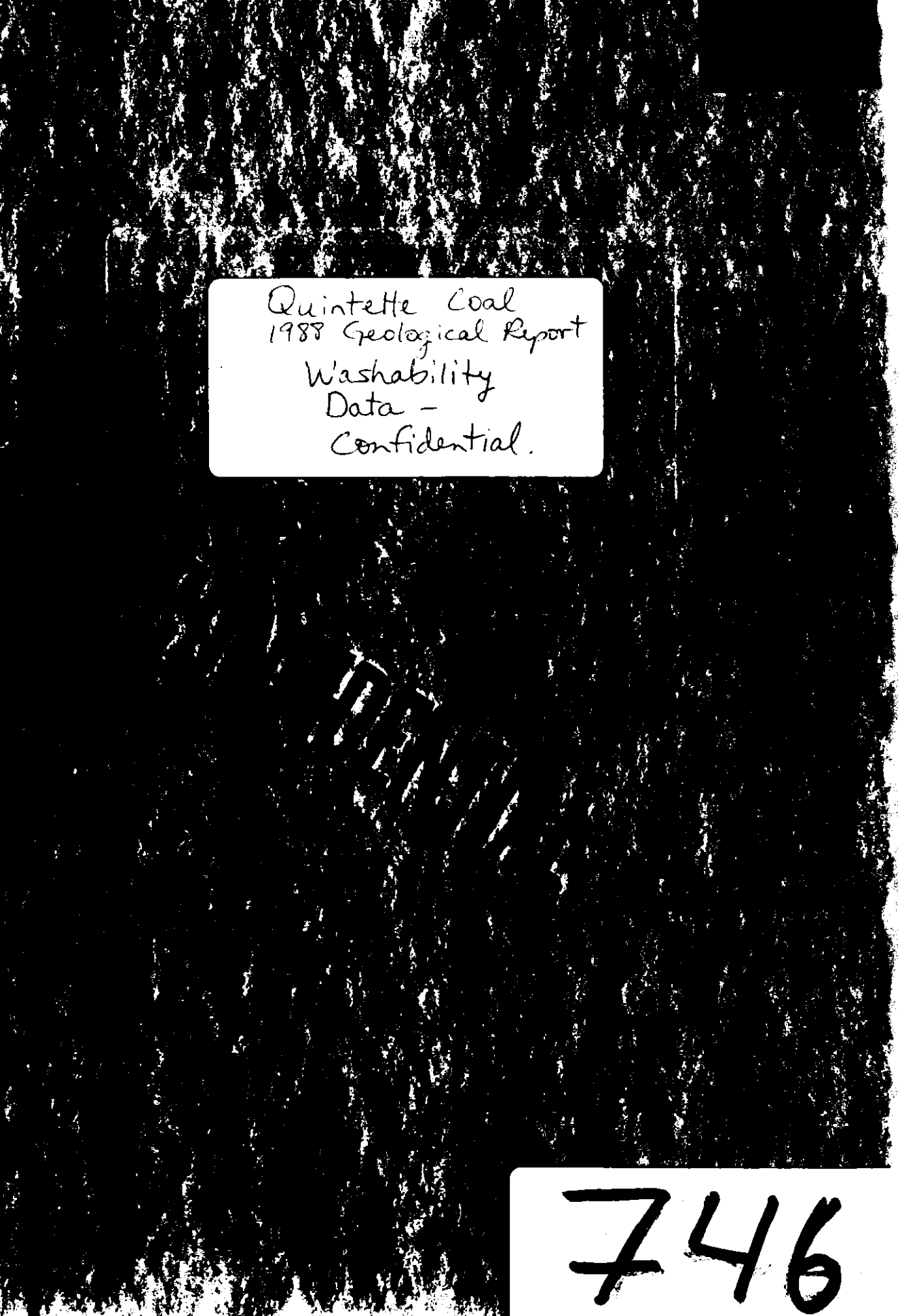
Quintette Coal
1988 Geological Report
Washability
Data -
Confidential.



746

CONFIDENTIAL

QUINTETTE COAL LIMITED
1988 GEOLOGICAL REPORT
TRANSFER, GRIZZLY, PERRY CREEK , MARMOT AND WOLVERINE VALLEY SOUTH AREAS
ADDENDUM I

Prepared by Technical Services Department
Quintette Coal Limited

746

TRANSFER AND GRIZZLY

VERTICAL DEVIATION

746

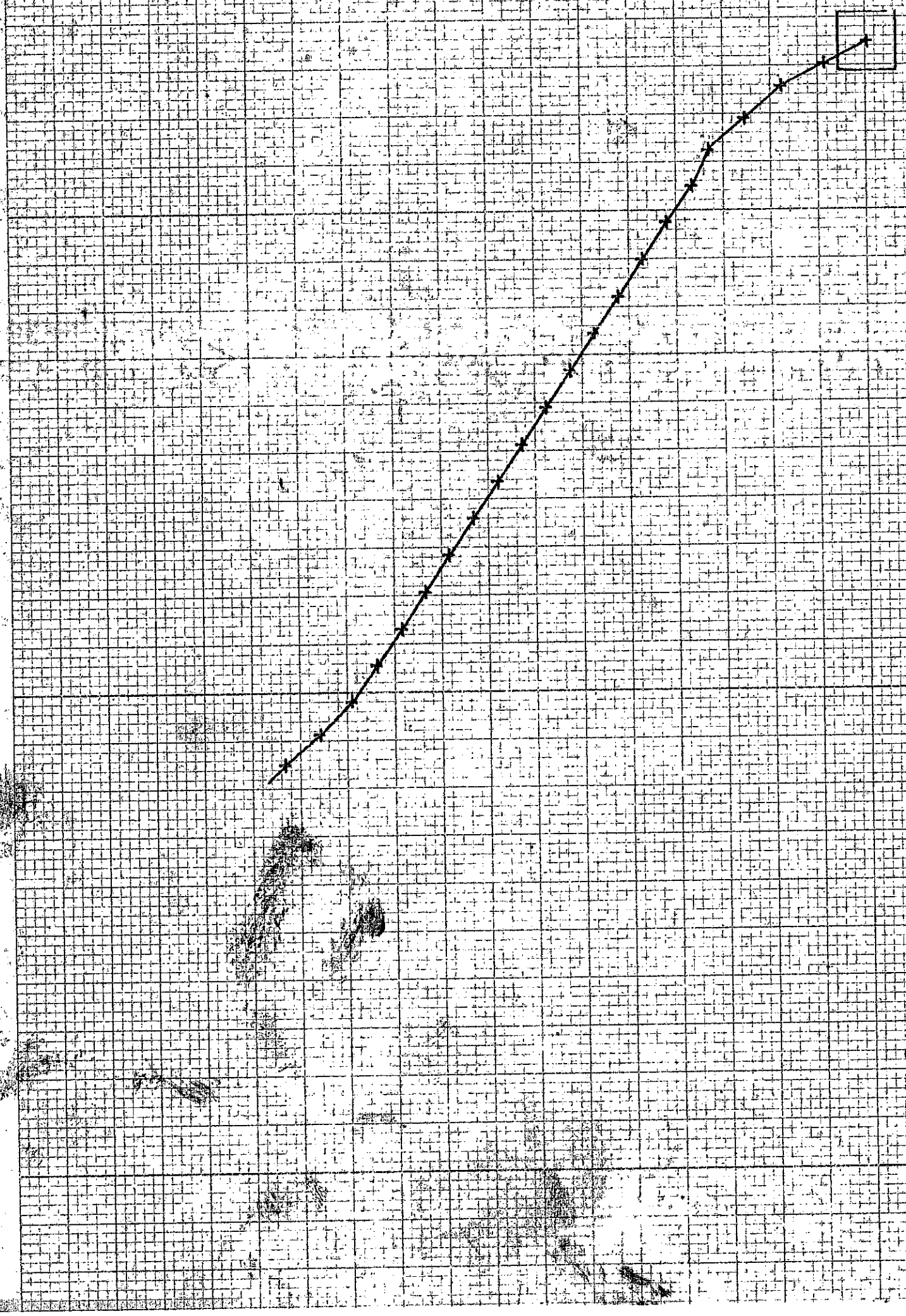
COMPU-LOG V8L1 DEVIATION
DATA FROM : V8L2*A

CLIENT : GAMMA NEUTRON DEV.
LOCATION : HERMAN
HOLE ID : QHD 88002
DATE OF LOG : 06-10-80
PROBE : 9055A 0079

SCALE: 2.50 M/DIV
MAG DECL: 24.5
TRUE DEPTH: 94.9 M
AZIMUTH: 219.7
DISTANCE: 49.70 M

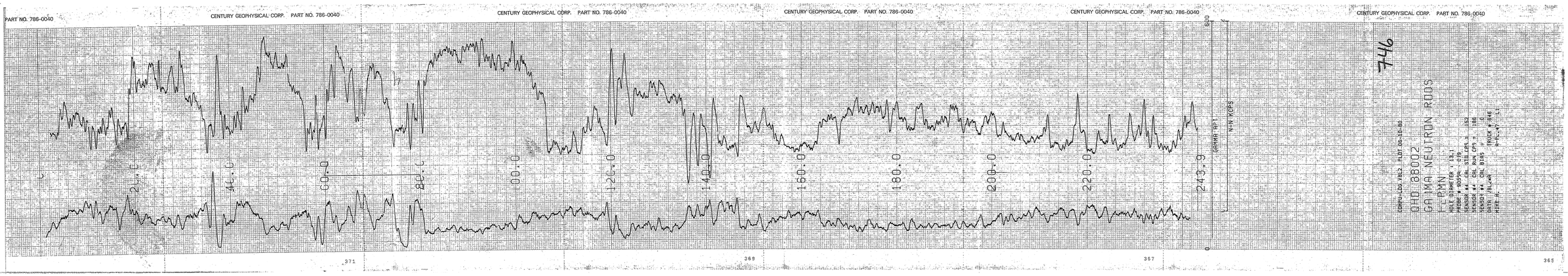
+ = 5.0 M INCR
△ = TOP OF ZONE
◇ = BOTTOM OF ZONE

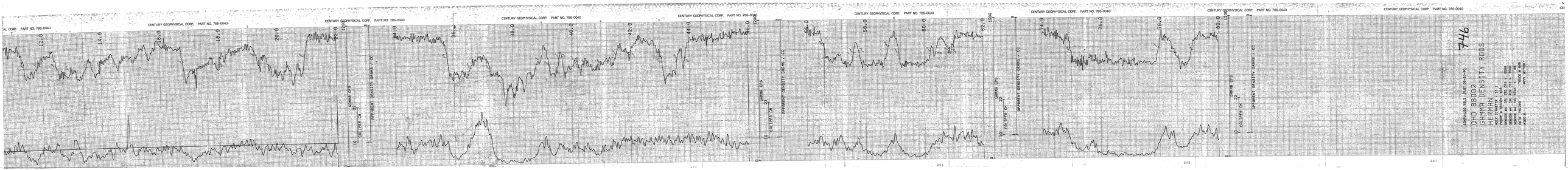
TRUE NORTH ↑

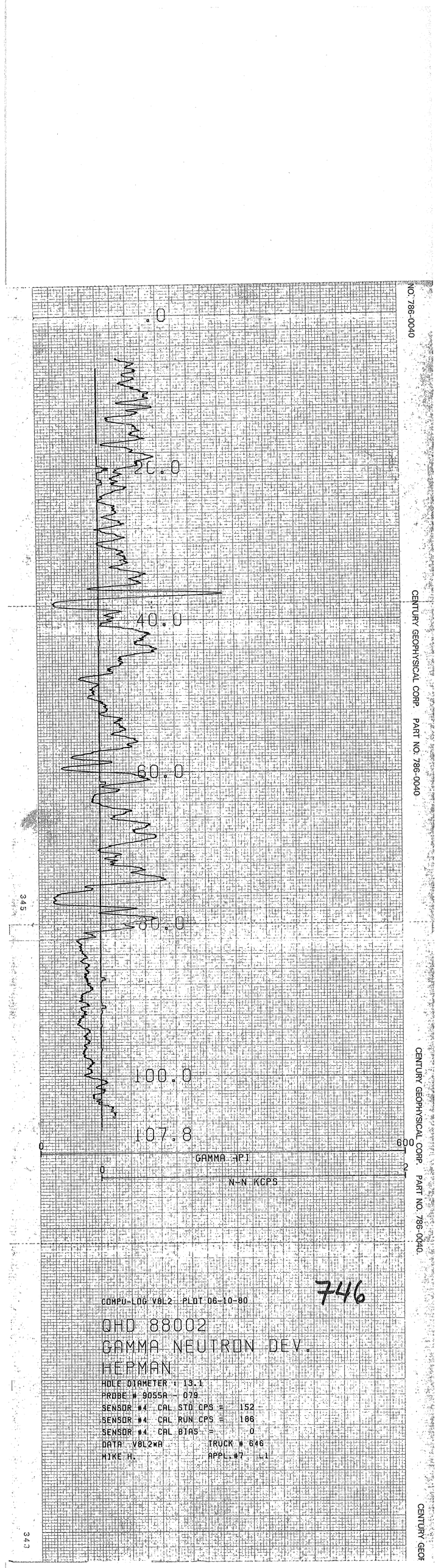


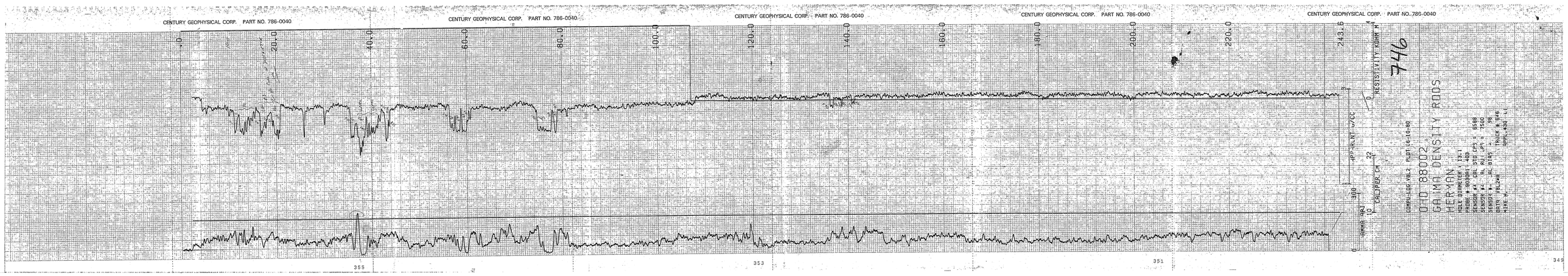
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040


PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
20.0
40.0
60.0
80.0
100.0
120.0
140.0
160.0
180.0
200.0
220.0
243.9
GAMMA API
N-N KCPS
600
0
371
369
367
365
COMPU-LOG V8L2 PLOT 06-10-80
OHD 88002
GAMMA NEUTRON RODS
FLEMN
HOLE DIAMETER = 13.1
PROBE # 90594 - 019
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 186
SENSOR #4 CAL BIAS = 0
DATA /BLK#A
TRUCK # 846
MIKE A.
A-PL.#7 L1
746


CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
GAMMA CPS
CALIPER CM
APPARENT DENSITY GRAMS / CC
12.0
14.0
16.0
18.0
20.0
22.0
24.0
36.0
38.0
40.0
42.0
44.0
46.0
56.0
58.0
60.0
62.0
74.0
76.0
78.0
80.0
10
22
1200
0
746
COMPUTER VALID PLOT 08-10-90
QHD 88002
GAMMA DENSITY RODS
HERMAN
HOLE DIAMETER = 11.1
FACTOR = 0.0000
SENSOR #1 CAL STD CPS = 6688
SENSOR #2 CAL STD CPS = 7500
SENSOR #3 CAL STD CPS = 1000
DATA TRACKS
PLOT 6
TRACK # 1 GAM
APPL # 7001
251
249
247


0
20.0
40.0
60.0
80.0
100.0
107.8
0
600
GAMMA API
0
N-N KCPS
746
COMPU-LOG V8L2 PLOT 06-10-80
QHD 88002
GAMMA NEUTRON DEV.
HEPMAN
HOLE DIAMETER : 13.1
PROBE # 9055A-- 079
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 186
SENSOR #4 CAL BIAS = 0
DATA V8L2*A TRUCK # 646
MIKE H. APPL.#7 L1
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040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0
20.0
40.0
60.0
80.0
100.0
120.0
140.0
160.0
180.0
200.0
220.0
243.6
RESISTIVITY KOHM M
APPARENT G/CC
CALIPER CM
AMMA API
355
353
351
349
746
COMPU-LOG V8L2 PLOT 06-10-80
OHD 88002
GAMMA DENSITY RODS
HERMAN
HOLE DIAMETER : 13.1
PROBE #-9030A1-403
SENSOR #4 CAL STD CPS = 6588
SENSOR #4 AL RUN CPS = 7500
SENSOR #4 AL BIAS = 98
DATA V8L2WA TRUCK # 646
MIKE M. APPL #30 LL

746

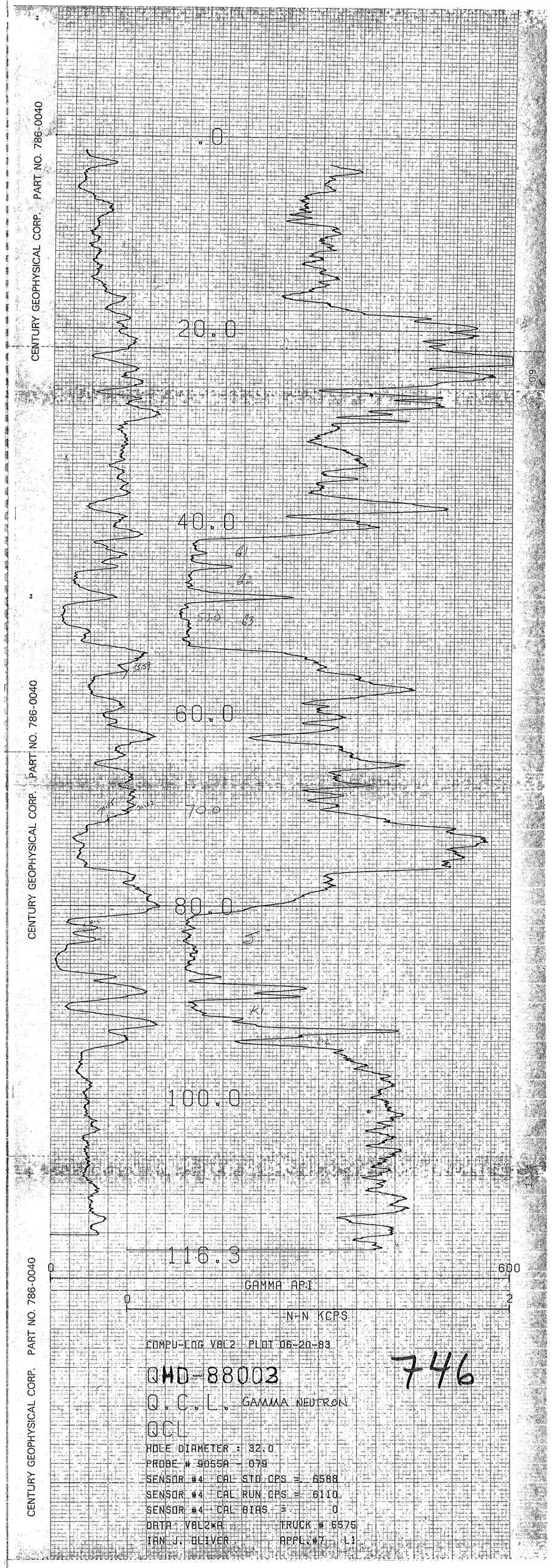
CENTURY GEOPHYSICAL CORPORATION
* * * * * * * * VERTICAL DEVIATION * * * * * * * *
COMPU-LOG V8L1 DEVIATION

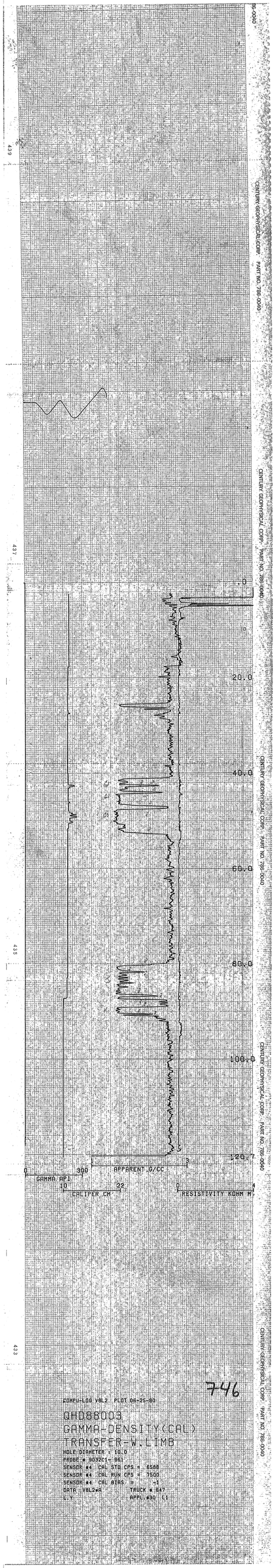
CLIENT : GAMMA NEUTRON DEV.
LOCATION : HERMAN
DATA FROM : V8L2*A

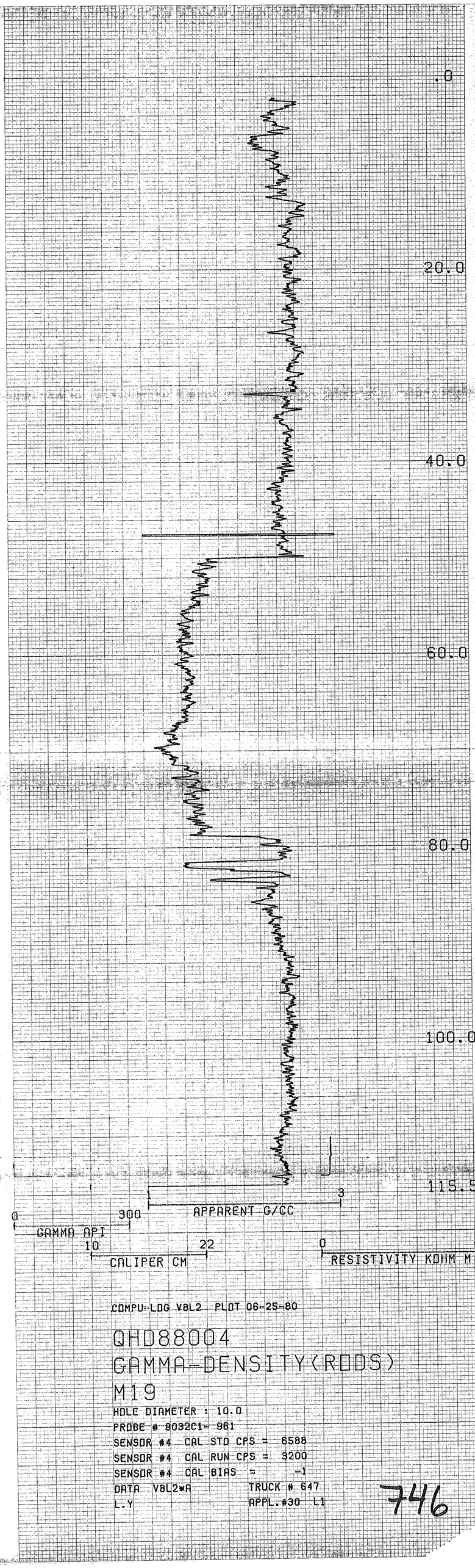
HOLE ID : GHD 88002
DATE OF LOG : 06-10-80
PROBE : 9055A 0079

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
5.00	4.30	-1.12	-2.26	2.52	243.5	30.4	243.5
10.00	8.60	-2.28	-4.50	5.05	243.1	30.4	242.6
15.00	12.90	-3.96	-6.43	7.55	238.4	30.6	228.9
20.00	17.21	-5.59	-8.33	10.03	236.1	30.2	229.2
25.00	21.59	-7.45	-9.22	11.86	231.0	25.2	205.6
30.00	26.02	-9.35	-10.55	14.10	228.5	27.6	215.0
35.00	30.45	-11.27	-11.83	16.34	226.4	27.5	213.6
40.00	34.88	-13.21	-13.09	18.60	224.7	27.5	212.9
45.00	39.32	-15.12	-14.38	20.87	223.6	27.4	214.1
50.00	43.76	-17.03	-15.65	23.13	222.6	27.3	213.4
55.00	48.20	-18.93	-16.94	25.41	221.8	27.3	214.2
60.00	52.64	-20.84	-18.23	27.69	221.2	27.3	213.9
65.00	57.09	-22.75	-19.50	29.96	220.6	27.2	213.8
70.00	61.53	-24.64	-20.79	32.24	220.2	27.2	214.2
75.00	65.97	-26.53	-22.09	34.53	219.8	27.3	214.3
80.00	70.42	-28.44	-23.36	36.80	219.4	27.2	213.7
85.00	74.86	-30.35	-24.60	39.07	219.0	27.1	213.0
90.00	79.31	-32.22	-25.93	41.36	218.8	27.2	215.4
95.00	83.75	-34.09	-27.27	43.66	218.7	27.4	215.5
100.00	88.13	-35.77	-28.95	46.02	219.0	28.4	225.0
105.00	92.50	-37.35	-30.79	48.41	219.5	29.0	229.2
TD 107.70	94.96	-38.25	-31.73	49.70	219.7	28.7	226.1


CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
0.0
20.0
40.0
60.0
80.0
100.0
116.3
0
600
GAMMA API
0
2
N-N KCPS
COMPU-LOG V8L2 PLOT 06-20-83
QHD-88003
Q.C.L. GAMMA NEUTRON
QCL
HOLE DIAMETER : 32.0
PROBE # 9055A - 079
SENSOR #4 CAL STD CPS = 6588
SENSOR #4 CAL RUN CPS = 6110
SENSOR #4 CAL BIAS = 0
DATA: V8L2xR TRUCK # 6575
IAN J. OLIVER APPL.#7 L1
746


CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
439
437
435
433
.0
20.0
40.0
60.0
80.0
100.0
120.7
APPARENT G/CC
0
3
0
300
GAMMA API
10
32
CALIPER CH
0
4
RESISTIVITY KOHM M
746
COMPU-LOG V6L2 PLOT 06-25-80
QHD88003
GAMMA-DENSITY(CAL)
TRANSFER-W.LIMB
HOLE DIAMETER = 10.0
PROBE # 9032C1- 961
SENSOR #4 CAL STD CPS = 6508
SENSOR #4 CAL RUN CPS = 7500
SENSOR #4 CAL RTAS = -1
DATE V8L2WR TRUCK # 847
L.Y. APPL.#30 C1



COMPU-LOG V8L2 PLOT 06-25-80

QHD88004

GAMMA-DENSITY(RODS)

M19

HOLE DIAMETER : 10.0

PROBE # 9032C1- 961

SENSOR #4 CAL STD CPS = 6588

SENSOR #4 CAL RUN CPS = 3200

SENSOR #4 CAL BIAS = -1

DATA V8L2*A TRUCK # 647

L.Y APPL.#30 L1

746

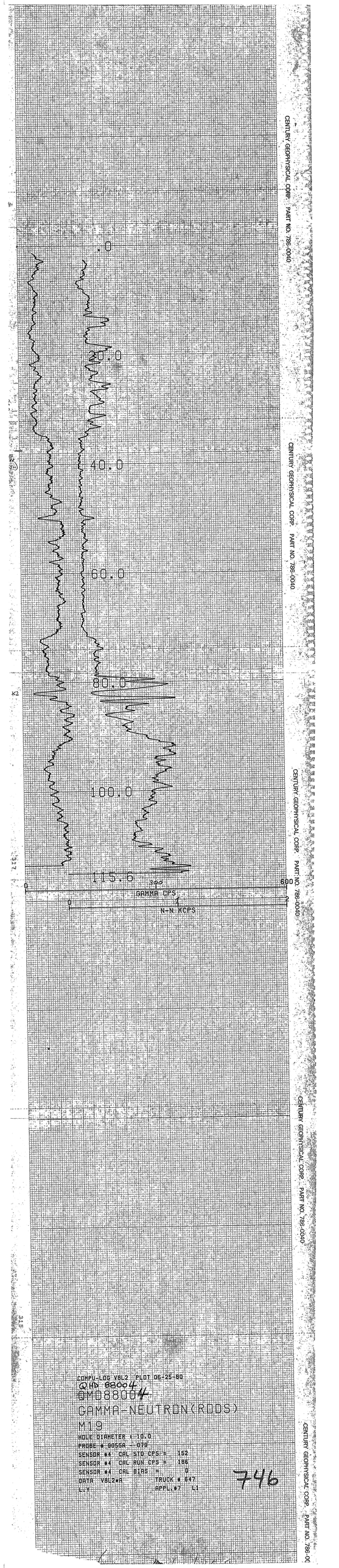
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

231

229


CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
.0
20.0
40.0
60.0
80.0
100.0
115.6
300
600
GAMMA CPS
N-N KCPS
COMPU-LOG V8L2 PLOT 06-25-80
QHD 88004
QMD88004
GAMMA-NEUTRON(RODS)
M19
HOLE DIAMETER = 10.0
PROBE # 9055R - 079
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 186
SENSOR #4 CAL BIAS = 0
DATA V8L2*A TRUCK # 647
L-Y APPL.#7 L1
746

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

0

20.0

40.0

47.2

0 GAMMA CPS 600

0 N-N KCPS 2

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

301

COMPU-LOG V8L2 PLOT 06-25-80

QHD88004

GAMMA-NEUTRON(DEV)

M19

HOLE DIAMETER : 10.0

PROBE # 9055A - 079

SENSOR #4 CAL STD CPS = 152

SENSOR #4 CAL RUN CPS = 186

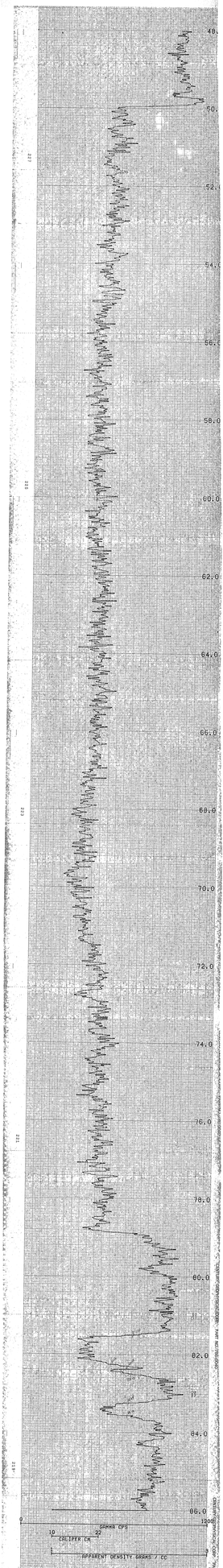
SENSOR #4 CAL BIAS = 0

DATA V8L2*A TRUCK # 647

L.Y APPL.#7 L1

746

CENTURY GEOPHYSICAL CORP.



COMPU-LOG V8L2 PLOT 06-25-80

OHD88004
GAMMA-DENSITY(RODS)
M19

HOLE DIAMETER = 10.0
PROBE # 8032C1- 881
SENSOR #4 CAL STD CPS = 6588
SENSOR #4 CAL RUN CPS = 3200
SENSOR #4 CAL BIAS = -1
DATA V8L2*A TRUCK # 647
L.K APPL.#708 L1

746

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG V8L1 DEVIATION

CLIENT : GAMMA-NEUTRON(DEV) HOLE ID : QHD88004 (IN DATA BASE

LOCATION : M19 DATE OF LOG : 06-25-80 AS Q D88001)

DATA FROM : V8L2*A PROBE : 9055A 0079

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	2.00	1.99	-.02	.02	.03	134.7	1.1	134.7
	4.00	3.99	-.04	.05	.07	126.7	.9	116.8
	6.00	5.99	-.01	.08	.08	98.0	1.1	43.8
	8.00	7.99	-.01	.09	.09	99.2	.1	117.2
	10.00	9.99	-.02	.04	.05	114.6	1.2	260.6
	12.00	11.99	-.04	.07	.08	122.6	1.0	133.7
	14.00	13.99	-.05	.08	.09	121.9	.2	115.9
	16.00	15.99	-.07	.10	.12	124.7	.9	133.2
	18.00	17.98	-.07	.10	.12	126.5	.1	253.6
	20.00	19.98	-.06	.08	.10	131.0	.6	284.3
	22.00	21.98	-.06	.07	.10	128.9	.1	348.5
	24.00	23.98	-.09	.09	.13	133.9	1.0	147.4
	26.00	25.98	-.08	.06	.10	140.3	1.0	293.9
	28.00	27.98	-.04	.08	.09	120.8	1.0	26.7
	30.00	29.98	-.03	.09	.09	112.0	.4	31.4
	32.00	31.98	-.04	.09	.10	116.3	.3	149.4
	34.00	33.98	-.07	.09	.11	128.6	.7	190.9
	36.00	35.97	-.06	.10	.12	121.5	.4	59.2
	38.00	37.97	-.07	.10	.13	125.2	.3	167.3
	40.00	39.97	-.05	.12	.13	116.0	.6	34.1
	42.00	41.97	-.06	.12	.14	117.2	.2	136.7
	44.00	43.97	-.07	.12	.14	121.0	.2	197.3
	46.00	45.97	-.07	.14	.16	116.6	.5	80.2
TD	47.10	47.07	-.04	.14	.15	108.4	1.2	12.3

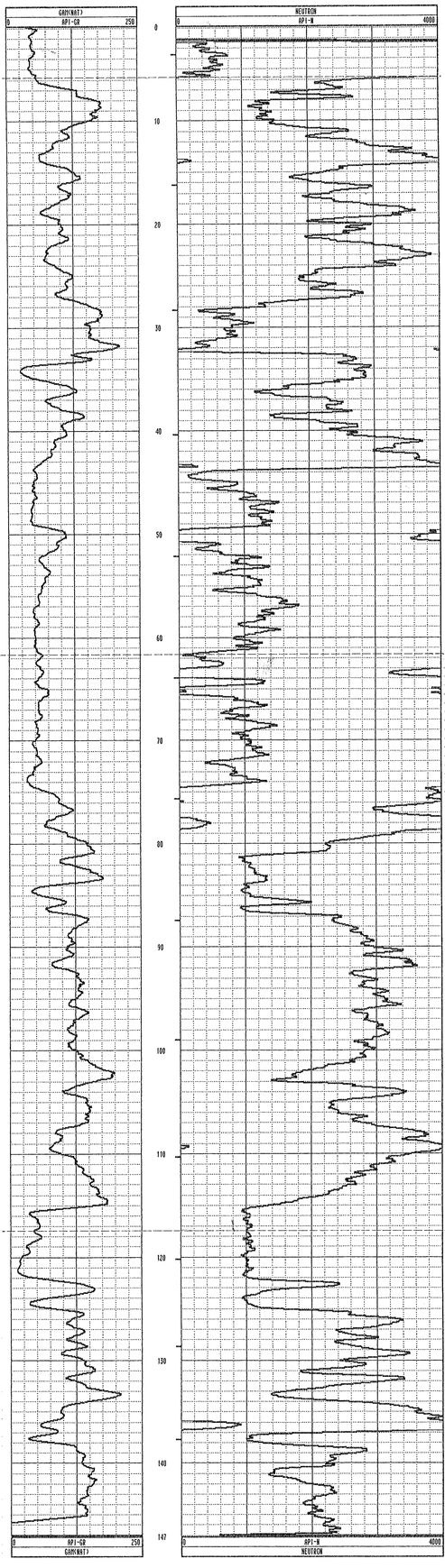
Century

QHD 88005 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHD 88005 GAMMA-NEUTRON			DEN.NEUT	
LOCATION/FIELD	: BL 21600:SL 26700 TRANSFER W			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE :	
DATE	: 09/07/88	PERMANENT DATUM	: 975	ELEVATIONS	
DEPTH DRILLER	: 141.43 M	ELEV. PERM. DATUM:	975	KB : 975	
LOG BOTTOM	: 147.06	LOG MEASURED FROM:	975	DF : 975	
LOG TOP	: 0.92	DRL MEASURED FROM:	975	GL : 975	
CASING DRILLER	: 1.6	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS:	0	RECORDED BY	: E.SVEDLUND		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE : ORIGINAL	
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE : 9055A	
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG : 4	
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT : QUIN 2	
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH: 2500	
REMARKS	:				
VERTICAL HOLE					

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746



TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:20:10	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

Century

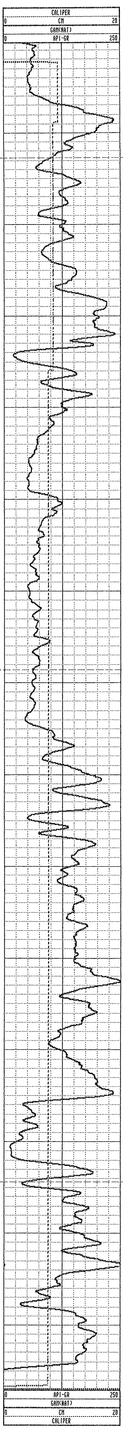
QHD 88005 GAMMA-DENSITY

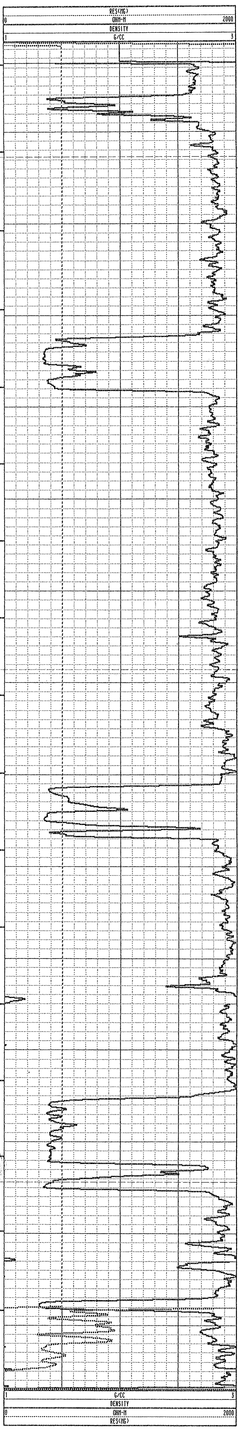
COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHD 88005 GAMMA-DENSITY	DEN.NEUT	
LOCATION/FIELD	: BL 21600:SL 26700 TRANSFER W	GAM.RES.	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP : RANGE :		
DATE	: 09/07/88	PERMANENT DATUM : 975	ELEVATIONS
DEPTH DRILLER	: 141.45 M	ELEV. PERM. DATUM: 975	KB : 975
LOG BOTTOM	: 147.02	LOG MEASURED FROM: 975	DF : 975
LOG TOP	: 0.30	DRL MEASURED FROM: 975	GL : 975
CASING DRILLER	: 1.6	LOGGING UNIT	: 8401
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS: 0		RECORDED BY	: E.SVEDLUND
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER
MAGNETIC DECL.	: 24.5	RM	: 0
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690
REMARKS	:		
VERTICAL HOLE			

FILE : ORIGINAL
TYPE : 9030AA
LOG : 5
PLOT : QUIN 3
THRESH: 2500

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746





TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 404

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	13:56:46	0	GAM(RAT)	0.000 CPS	0.000 API-GR
1	07/28/88	13:56:46	0	GAM(RAT)	0.000 CPS	0.000 API-GR
2	07/28/88	14:13:46	0	DENSITY	5615.000 CPS	1.106 G/CC
3	07/28/88	14:13:46	0	DENSITY	2230.500 CPS	2.120 G/CC
4	07/28/88	13:56:46	0	RESIS(T)	0.000 CPS	0.000 OHM-M
5	07/28/88	13:56:46	0	RESIS(T)	0.000 CPS	0.000 OHM-M
6	07/28/88	15:42:06	0	CALIPER	213.400 CPS	7.600 CM
7	07/28/88	15:42:06	0	CALIPER	1842.500 CPS	17.000 CM
8	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
9	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
10	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM
11	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM

Century

QHD 88085 GAMMA-DENSITY

COMPANY	= SHAMROCK IOWA, LTD.	OTHER SERVICES	
WELL	= 1-A SHAMROCK-MCCARTHY	RUN #1:	
LOCATION #1/#2	= NE 1 SECTION, 28 TWP 89 R 38	RUN #2:	
COUNTY	=	RUN #3:	
STATE	= OBRIEN COUNTY, IOWA		
SECTION	= TOWNSHIP	RANGE =	

DATE	= 09/07/88	PERMANENT DATUM = GL	ELEVATIONS
LOG MEASURED FROM	= KB 10 FT.	DRILLING MEASURED FROM = KB	KB = 1376
LOG BOTTOM	= 1427.00	CASING MEASURED FROM = KB	DF = 1375
LOG TOP	= 0.00	PERMANENT DATUM = GL	GL = 1366
CASING DRILLER	= 7.0 @ 0.00	CASING WT. UNIT	= #/FT
CASING THICKNESS	= 0.231	CASING DRILLER	= 7.0 @ 0.00
CASING SHOE	= 0.00	CASING WT.	= 0.00 LBS/FT

BIT SIZE	= 7.25	DENSITY PLOTS	= UNITED
MAGNETIC DECL.	= 10.0		= G
MATRIX DENSITY	= 2.65		= 0
FLUID DENSITY	= 1.0		= 0
MAXIMUM RECHD	= 1400.0000		= 100
MINIMUM RECHD	= 1400.0000		= 1400
RUN NO.	=		
VERTICAL HOLD			

FILE = 08108MG
TOOL = 88085
MAT = 2.65
FLUID = 1.0
MTRX = 88/N 'E
TOWNSHIP, STATE =

ALL SERVICES PERFORMED SUBJECT TO CSC STANDARD TERMS AND CONDITIONS

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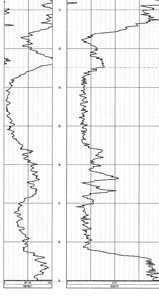

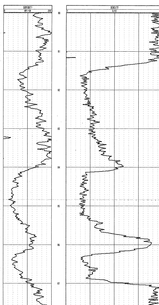

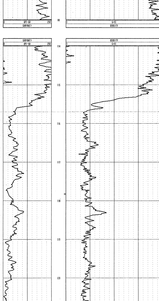

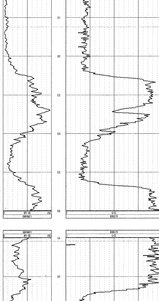

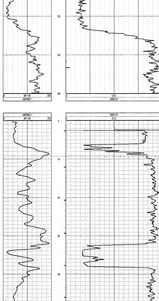

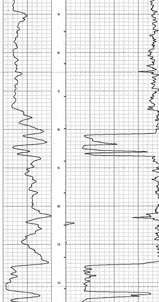

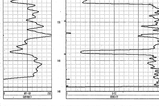

TOOL CALIBRATION	TOOL = 88085	SERIAL NUMBER = 804	
CALIBRATION DATE/TIME	DENSITY	DENSITY/API	DENSITY
07/29/88 10:11:00	1.000	0.000 API	0.000 API GR
07/29/88 10:12:00	1.000	0.000 API	0.000 API GR
07/29/88 10:13:00	1.000	0.000 API	0.000 API GR
07/29/88 10:14:00	1.000	0.000 API	0.000 API GR
07/29/88 10:15:00	1.000	0.000 API	0.000 API GR
07/29/88 10:16:00	1.000	0.000 API	0.000 API GR
07/29/88 10:17:00	1.000	0.000 API	0.000 API GR
07/29/88 10:18:00	1.000	0.000 API	0.000 API GR
07/29/88 10:19:00	1.000	0.000 API	0.000 API GR
07/29/88 10:20:00	1.000	0.000 API	0.000 API GR

Century

CGC

QHD 88005 DEVIATION

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHD 88005 DEVIATION			DEN.NEUT	
LOCATION/FIELD	: BL 21600:SL 26700 TRANSFER W			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 09/07/88	PERMANENT DATUM	: 975	ELEVATIONS	
DEPTH DRILLER	: 141.43 M	ELEV. PERM. DATUM:	975	KB	: 975
LOG BOTTOM	: 147.06	LOG MEASURED FROM:	975	DF	: 975
LOG TOP	: 0.92	DAL MEASURED FROM:	975	GL	: 975
CASING DRILLER	: 1.6	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS:	0	RECORDED BY	: E.SVEDLUND		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: PROCESSED
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 6
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 6
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH:	2500
REMARKS	:				
VERTICAL HOLE					

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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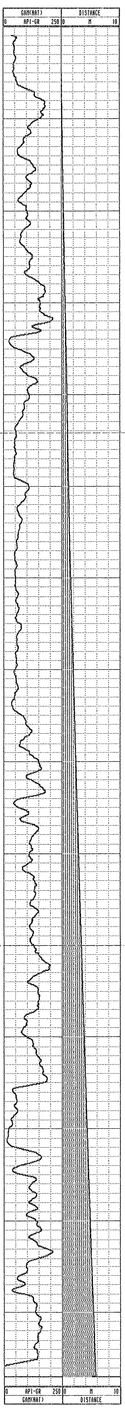

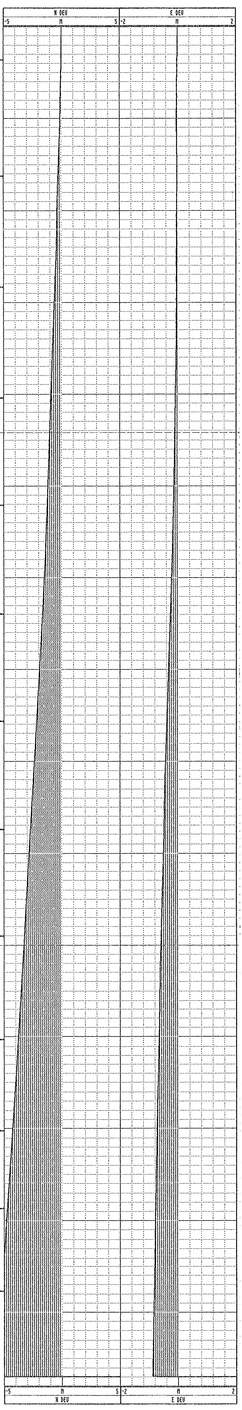

* * * * * * * * * COMPU-LOG II - VERTICAL DEVIATION * * * * * * * * * *

CLIENT	: QUINTETTE COAL LTD.	HOLE ID.	: QHD 88005 GAM		
FIELD OFFICE	: CALGARY	DATE OF LOG	: 09/08/88		
DATA FROM	:	PROBE	: 9055A . 46		
MAG. DECL.	: 24.500	DEPTH UNITS	: METER	LOG 6	

Cable Depth	True Depth	North Dev.	East Dev.	Distance	Azimuth	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
5.0	5.00	-.02	-.02	0.0	223.1	0.9	186.1
10.0	10.00	-.11	-.03	0.1	196.8	1.0	222.9
15.0	15.00	-.24	-.01	0.2	183.0	1.5	172.7
20.0	19.99	-.36	-.03	0.4	184.4	0.9	186.7
25.0	24.99	-.46	-.04	0.5	185.5	1.6	200.0
30.0	29.99	-.62	-.04	0.6	183.7	1.8	193.0
35.0	34.99	-.78	-.05	0.8	183.7	1.9	187.4
40.0	39.99	-.91	-.08	0.9	184.9	1.6	195.9
45.0	44.98	-1.04	-.10	1.0	185.7	1.5	190.4
50.0	49.98	-1.18	-.13	1.2	186.4	1.6	191.6
55.0	54.98	-1.32	-.17	1.3	187.2	1.8	195.5
60.0	59.98	-1.50	-.22	1.5	188.2	2.3	197.4
65.0	64.97	-1.70	-.27	1.7	189.0	2.5	198.1
70.0	69.97	-1.91	-.32	1.9	189.5	2.6	194.1
75.0	74.96	-2.13	-.37	2.2	189.9	2.6	191.6
80.0	79.96	-2.36	-.42	2.4	190.2	2.6	192.5
85.0	84.95	-2.59	-.47	2.6	190.2	2.6	185.2
90.0	89.95	-2.82	-.50	2.9	190.0	2.6	191.9
95.0	94.94	-3.04	-.54	3.1	190.1	2.7	193.2
100.0	99.94	-3.27	-.59	3.3	190.3	2.6	194.1
105.0	104.93	-3.50	-.62	3.5	190.1	2.8	183.8
110.0	109.93	-3.74	-.65	3.8	189.9	2.8	189.6
115.0	114.92	-3.99	-.69	4.0	189.8	2.9	186.9
120.0	119.91	-4.24	-.72	4.3	189.6	3.0	185.1
125.0	124.91	-4.50	-.75	4.6	189.5	3.1	183.2
130.0	129.90	-4.77	-.78	4.8	189.2	3.1	183.8
135.0	134.89	-5.04	-.80	5.1	189.1	3.1	187.5
140.0	139.89	-5.31	-.84	5.4	188.9	3.3	184.4
145.0	144.88	-5.59	-.86	5.6	188.8	3.2	185.5
147.1	146.94	-5.70	-.88	5.8	188.8	0.0	0.0

Certified

QHD 88006 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHD 88006 GAMMA-NEUTRON	DEN.NEUT	
LOCATION/FIELD	: BL 20400:SL 27600 TRANSFER W	GAM.RES.	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP :	RANGE :	

DATE	: 09/12/88	PERMANENT DATUM	: 1180	ELEVATIONS	
DEPTH DRILLER	: 72.5 M	ELEV. PERM. DATUM	: 1180	KB	: 1180
LOG BOTTOM	: 74.02	LOG MEASURED FROM	: 1180	DF	: 1180
LOG TOP	: 0.78	DRL MEASURED FROM	: 1180	GL	: 1180
CASING DRILLER	: 0	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: E.SVEDLUND		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 3
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 2
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500

REMARKS :
ANGLE HOLE AZIMUTH 37 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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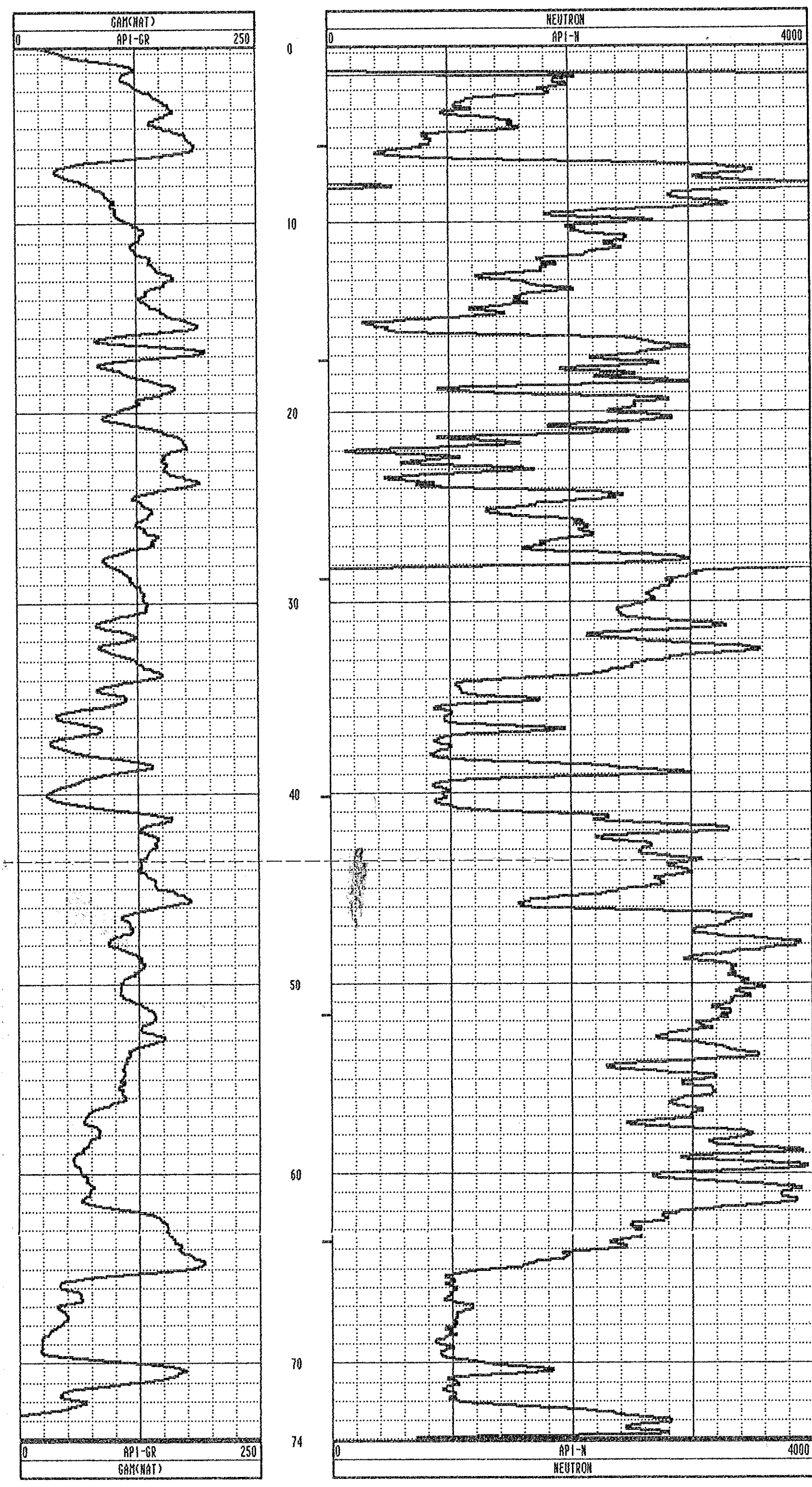

TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:20:10	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

QHD 88006 DEVIATION

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHD 88006 DEVIATION			DEN.NEUT	
LOCATION/FIELD	: BL 20400:SL 27600 TRANSFER W			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 09/12/88	PERMANENT DATUM	: 1180	ELEVATIONS	
DEPTH DRILLER	: 72.5 M	ELEV. PERM. DATUM	: 1180	KB	: 1180
LOG BOTTOM	: 74.02	LOG MEASURED FROM	: 1180	DF	: 1180
LOG TOP	: 0.78	DRL MEASURED FROM	: 1180	GL	: 1180
CASING DRILLER	: 0	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: E.SVEDLUND		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: PROCESSED
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 6
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 6
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500
REMARKS	:				

ANGLE HOLE AZIMUTH 37 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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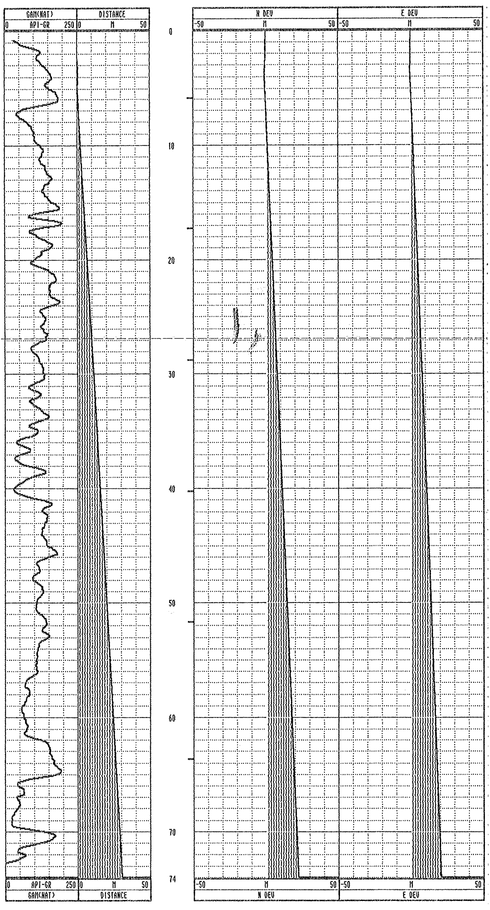

* * * * * * * * * * COMPU-LOG II - VERTICAL DEVIATION * * * * * * * * * * *

CLIENT	: QUINTETTE COAL LTD.	HOLE ID.	: QHD 88006 GAM
FIELD OFFICE	: CALGARY	DATE OF LOG	: 09/12/88
DATA FROM	:	PROBE	: 9055A , 46
MAG. DECL.	: 24.500	DEPTH UNITS	: METER LOG 6

Cable Depth	True Depth	North Dev.	East Dev.	Distance	Azimuth	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
5.0	4.70	-.30	0.22	0.4	143.4	26.7	43.9
10.0	9.16	1.30	1.81	2.2	54.3	26.9	42.0
15.0	13.62	2.96	3.34	4.5	48.5	26.8	42.1
20.0	18.09	4.61	4.85	6.7	46.5	26.6	42.3
25.0	22.56	6.27	6.35	8.9	45.4	28.0	40.3
30.0	27.04	7.91	7.85	11.1	44.8	26.4	43.6
35.0	31.52	9.56	9.34	13.4	44.3	25.7	43.6
40.0	36.00	11.20	10.83	15.6	44.0	26.2	39.4
45.0	40.48	12.85	12.30	17.8	43.8	26.5	40.8
50.0	44.97	14.50	13.78	20.0	43.5	26.3	41.1
55.0	49.45	16.15	15.25	22.2	43.4	26.2	42.3
60.0	53.94	17.79	16.71	24.4	43.2	26.0	42.3
65.0	58.43	19.43	18.18	26.6	43.1	26.0	41.5
70.0	62.92	21.08	19.63	28.8	43.0	26.2	40.5
74.0	66.54	22.39	20.75	30.5	42.8	0.0	0.0
75.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0

Century

QHD 88006 GAMMA-DENSITY

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHD 88006 GAMMA-DENSITY			DEN.NEUT	
LOCATION/FIELD	: 8L 20400:SL 27600 TRANSFER W			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 09/12/88	PERMANENT DATUM	: 1180	ELEVATIONS	
DEPTH DRILLER	: 72.5 M	ELEV. PERM. DATUM	: 1180	KB	: 1180
LOG BOTTOM	: 73.76	LOG MEASURED FROM	: 1180	DF	: 1180
LOG TOP	: 0.14	DRL MEASURED FROM	: 1180	GL	: 1180
CASING DRILLER	: 0	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: E.SVEDLUND		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 4
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 3
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500

REMARKS :
ANGLE HOLE AZIMUTH 37 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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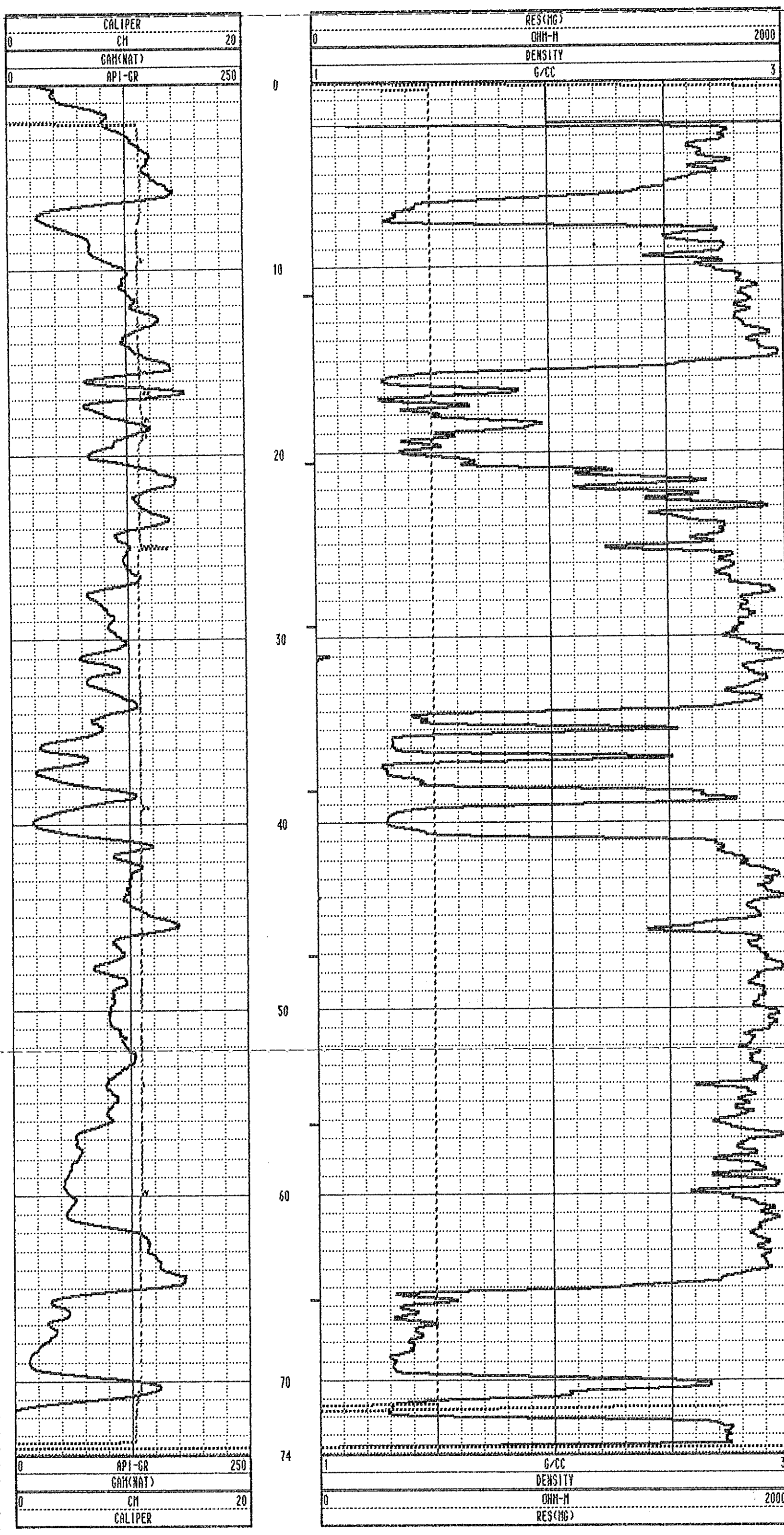

TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 450

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	09/06/88	22:48:27	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	09/06/88	22:48:27	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	09/06/88	22:55:50	0	DENSITY	5615.000 CPS	1.106 G/CC
3	09/06/88	22:55:50	0	DENSITY	2230.000 CPS	2.120 G/CC
4	09/06/88	22:48:27	0	RES(MG)	0.000 CPS	0.000 OHM-M
5	09/06/88	22:48:27	0	RES(MG)	0.000 CPS	0.000 OHM-M
6	09/06/88	22:59:05	0	CALIPER	213.400 CPS	7.600 CM
7	09/06/88	22:59:05	0	CALIPER	1842.500 CPS	17.800 CM
8	09/06/88	22:48:27	0	DENSITYH	0.000 CPS	0.000 G/CC
9	09/06/88	22:48:27	0	DENSITYH	0.000 CPS	0.000 G/CC
10	09/06/88	22:48:27	0	CALIPERL	0.000 CPS	0.000 CM
11	09/06/88	22:48:27	0	CALIPERL	0.000 CPS	0.000 CM

Century

CHD 58006 GAMMA-DENSITY

COMPANY	: SAINTETTE COAL LTD.
WELL	: CHD 98006 GAMMA-DENSITY
LOCATION-FIELD	: 20, 2048E-3S, 2560E TRANSPOSED
COUNTY	:
STATE	: BRITISH COLUMBIA
SECTION	: TOWNSHIP : RANGE :

OTHER SERVICES: DEN-NEUT DIP-SON CAL-DIP

DATE	: 89/12/08	PERMANENT DATUM	: 1100
DEPTH DRILLER	: 72.0 M	ELEV. PERM. DATUM	: 1100
LOG BOTTOM	: 73.76	LOG MEASURED FROM	: 1100
LOG TOP	: 9.14	DRL MEASURED FROM	: 1100
CASING DRILLER	: 0	LOGGING UNIT	: 9401
CASING LOGGER	: 0.0 STEEL	LOGGED BY	: SCHLUMBERGER
CASING THICKNESS	: 0	RECORDED BY	: K.SHEDLOWSKI

BIT SIZE	: 175.6	BOREHOLE FLUID	: WATER
MAGNETIC DECL.	: 24.500	PH	: 0
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0
FLUID DENSITY	: 1.0	RM/RES DELTA T	: 175
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 190
MAX. HOLE DEV.	:		
ANGLE HOLE AZIMUTH	:		

FILE	: CHD1BHNL		
TYPE	: NORMAL		
LOG	: 4		
PASS	: MAIN	N	
TIMECONS	: 2500		

ELEVATIONS
KB : 1100
DF : 1100
GL : 1100

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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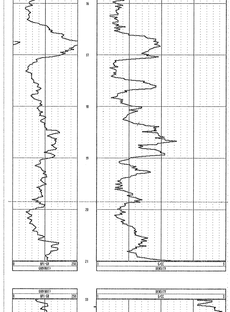
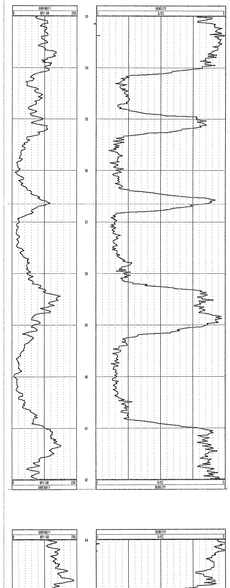
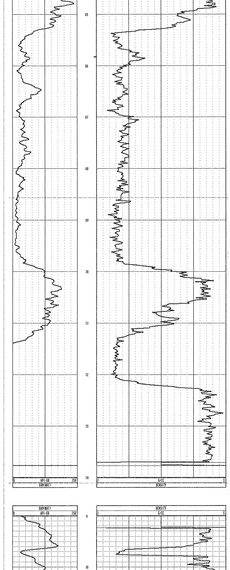
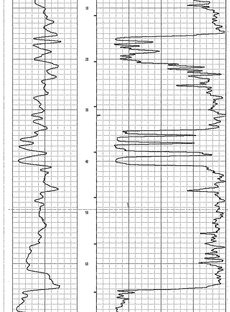








	TOOL CALIBRATION	TOOL = 9058AA	SERIAL NUMBER = 456	
	CAL-DATE CAL-TIME	SOURCE	RESPONSE	STANDARD
0	89-06-08 22:40:27	0	GAMMAHI	0.000 CPS	0.000 API-GR
1	89-06-08 22:40:27	0	GAMMAHI	0.000 CPS	0.000 API-GR
2	89-06-08 22:50:50	0	DENSITY	4100.000 CPS	2.000 G/C3
3	89-06-08 22:50:50	0	DENSITY	4100.000 CPS	2.126 G/C3
4	89-06-08 22:40:27	0	RESYNL	0.000 CPS	0.000 OHM-M
5	89-06-08 22:40:27	0	RESYNL	0.000 CPS	0.000 OHM-M
6	89-06-08 22:59:05	0	CALIPER	310.400 CPS	7.600 CM
7	89-06-08 22:59:05	0	CALIPER	310.400 CPS	7.600 CM
8	89-06-08 22:40:27	0	DENSITYHR	0.000 CPS	0.000 G/C3
9	89-06-08 22:40:27	0	DENSITYHR	0.000 CPS	0.000 G/C3
10	89-06-08 22:40:27	0	CALIPERHL	0.000 CPS	0.000 CM
11	89-06-08 22:40:27	0	CALIPERHL	0.000 CPS	0.000 CM

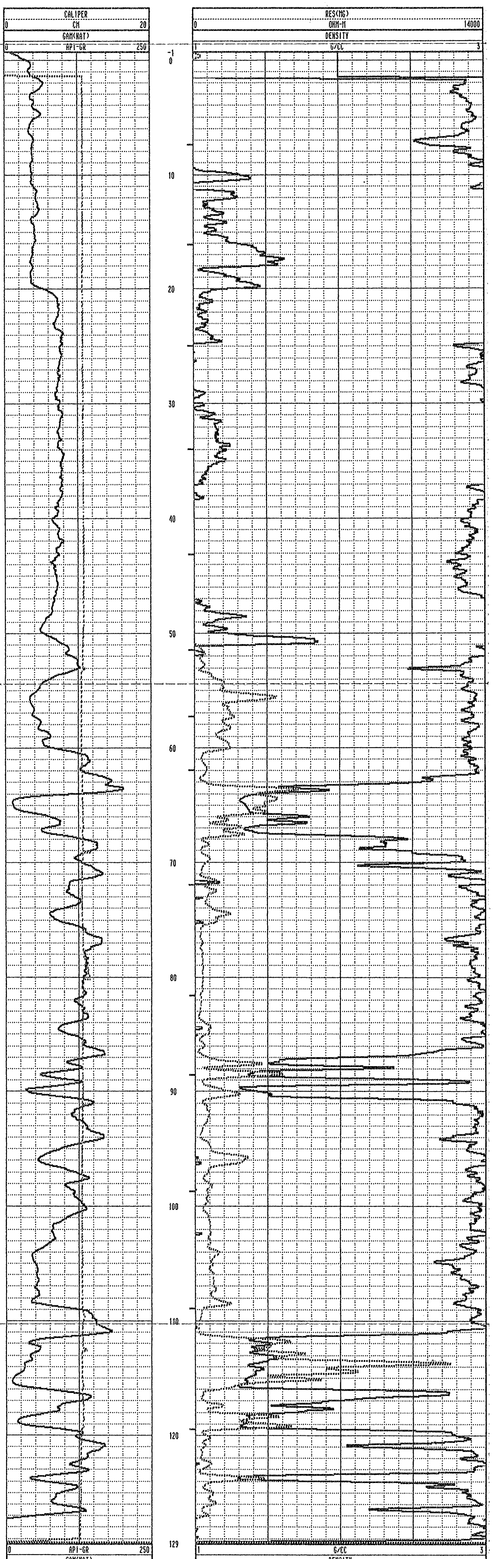
Century

QHD88007 GAMMA DENSITY

COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHD88007 GAMMA DENSITY	DEN.NEUT	
LOCATION/FIELD	: GRIZZLY	GAM.RES.	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP	: RANGE	:
DATE	: 10/20/88	PERMANENT DATUM : 0	ELEVATIONS
DEPTH DRILLER	: 129.84	ELEV. PERM. DATUM: 0	KB : 0
LOG BOTTOM	: 129.42	LOG MEASURED FROM: 0	DF : 0
LOG TOP	: -.62	DRL MEASURED FROM: 0	GL : 0
CASING DRILLER	: 52.43	LOGGING UNIT : 8401	
CASING TYPE	: STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS	: 0.5	RECORDED BY : G.PHILLIPS	
BIT SIZE	: 17.8	BOREHOLE FLUID : WATER	FILE : ORIGINAL
MAGNETIC DECL.	: 24.500	RM : 0	TYPE : 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE : 0	LOG : 1
FLUID DENSITY	: 1.0	MATRIX DELTA T : 173	PLOT : QUIN 3
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T : 690	THRESH: 15000

REMARKS :
VERTICAL
LOGGED OPEN HOLE BL170/SL25790
ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746



TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 420

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	09/22/88	16:44:23	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	09/17/88	17:36:16	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	09/17/88	17:39:01	0	DENSITY	5615.000 CPS	1.106 G/CC
3	09/17/88	17:39:01	0	DENSITY	2230.500 CPS	2.120 G/CC
4	09/17/88	17:36:16	0	RES(MG)	0.000 CPS	0.000 OHM-M
5	09/17/88	17:36:16	0	RES(MG)	0.000 CPS	0.000 OHM-M
6	09/22/88	13:37:32	0	CALIPER	213.400 CPS	7.600 CM
7	09/22/88	13:37:32	0	CALIPER	1842.500 CPS	17.800 CM
8	09/17/88	17:36:16	0	DENSITYH	0.000 CPS	0.000 G/CC
9	09/17/88	17:36:16	0	DENSITYH	0.000 CPS	0.000 G/CC
10	09/22/88	13:37:57	0	CALIPERL	0.000 CPS	0.000 CM
11	09/22/88	13:37:57	0	CALIPERL	0.000 CPS	0.000 CM

Century

QHD85007 GAMMA DENSITY

COMPANY	: QUINCYTIC COAL LTD.	OTHER SERVICES:	
WELL	: QHD85007 GAMMA DENSITY	CALIPER	
LOCATION/FIELD	: UNITED	GAMMA RES.	
COUNTY	:	CALIPER	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP	RANGE :	

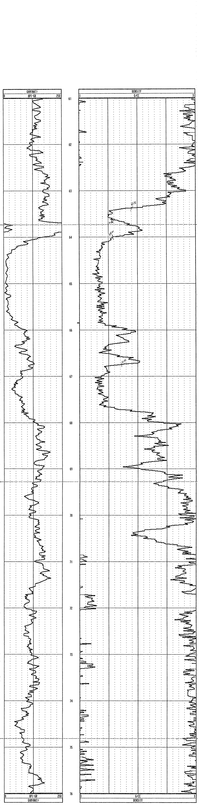
DATE	: 10/20/88	PERMANENT DATUM	: 0	ELEVATIONS	
DEPTH DRILLER	: 129.24	ELEV. PERM. DATUM	: 0	KB	: 0
LOG BOTTOM	: 129.42	LOG MEASURED FROM	: 0	DF	: 0
LOG TOP	: -.62	DRL MEASURED FROM	: 0	GL	: 0
CASING DRILLER	: 52.48	LOGGING UNIT	: 8		
CASING TYPE	: STEEL	CASING OFFSET	: 0		
CASING THICKNESS	: 0.5	RECORDED BY	: 0.PHILLIPS		

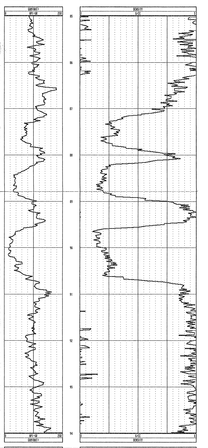
BIT SIZE	: 17.8	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.000	KM	: 0	TYPE	: 9800AM
MATRIX DENSITY	: 2.68	MAX TEMPERATURE	: 0	LOG	: 0
MATRIX DENSITY	: 2.68	MAXIMUM DELTA	: 1.5	PLAT	: 0.0 0.5
MEASURE MATRIX	: SANDSTONE	FLUID DELTA	: 0.00	TAKEN	: 15000

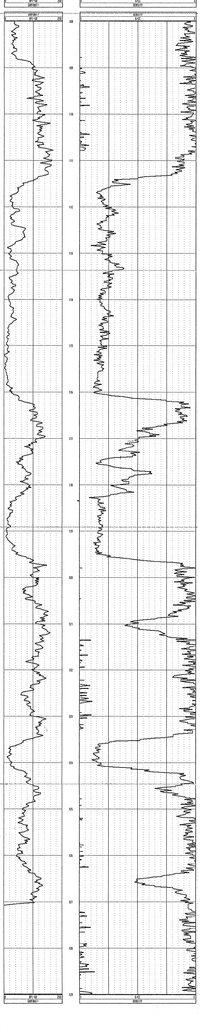
REMARKS
SERVICE:
LOGGED OPEN HOLE BLITZ/BLITZ90

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746







Century

QHD88007 GAMMA NEUTRON

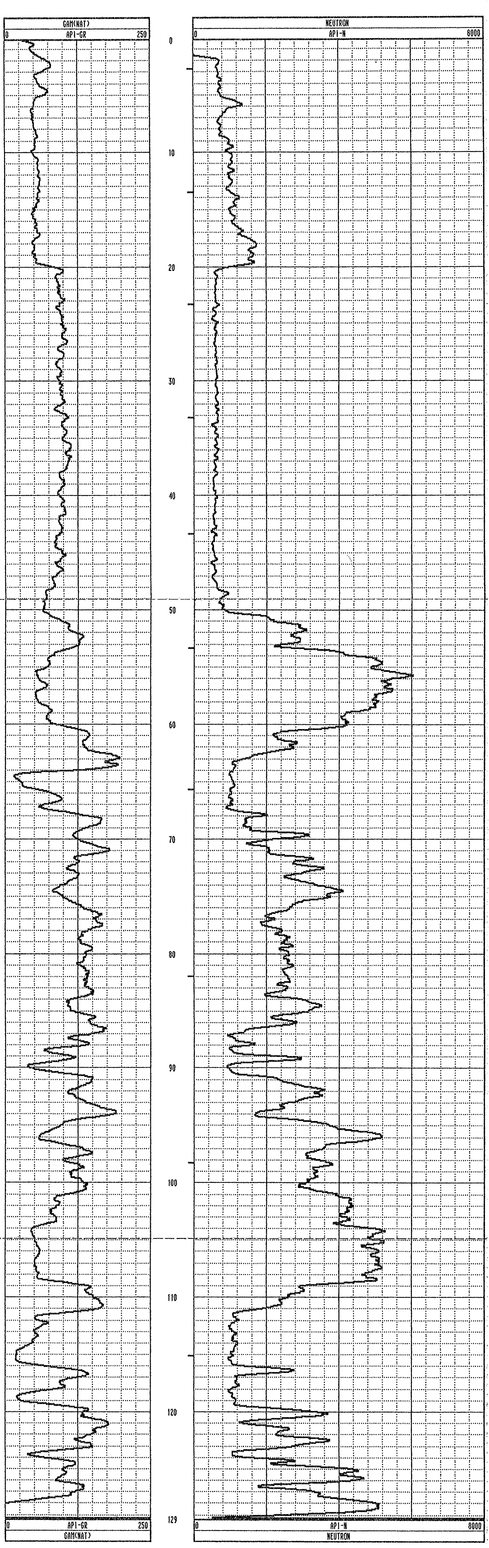
COMPANY	: QUINTETTE COAL LTD.		
WELL	: QHD88007 GAMMA NEUTRON		
LOCATION/FIELD	: GRIZZLY		
COUNTY	:		
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP	:	RANGE :

OTHER SERVICES:
DEN.NEUT
GAM.RES.
CAL.DEV

DATE	: 10/20/88	PERMANENT DATUM	: 0	ELEVATIONS	
DEPTH DRILLER	: 129.84	ELEV. PERM. DATUM:	0	KB	: 0
LOG BOTTOM	: 129.34	LOG MEASURED FROM:	0	DF	: 0
LOG TOP	: 0.32	DRL MEASURED FROM:	0	GL	: 0
CASING DRILLER	: 52.43	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0.5	RECORDED BY	: G.PHILLIPS		
BIT SIZE	: 17.8	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 2
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: 0 0
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 15000

REMARKS :
VERTICAL
LOGGED OPEN HOLE BL170/SL25790
ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746



TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	10/05/88	12:07:01	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

Century

QHD88007 DEVIATION

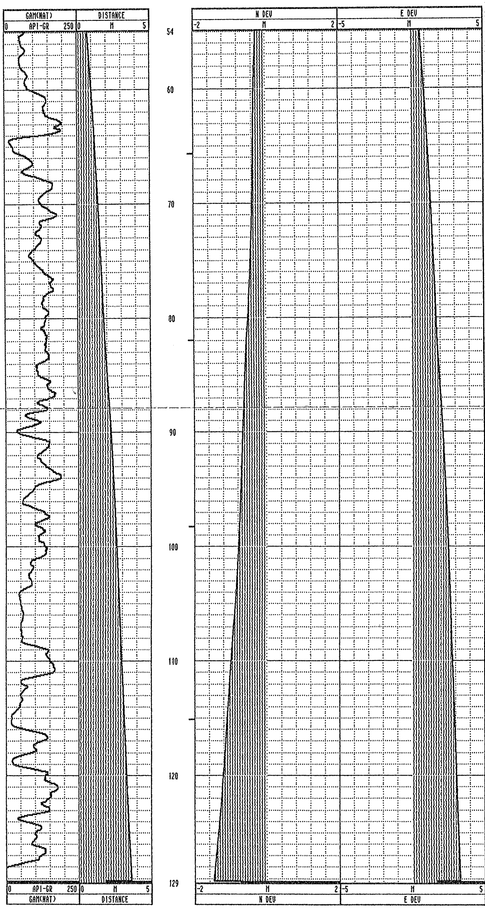
COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHD88007 DEVIATION			DEN.NEUT	
LOCATION/FIELD	: GRIZZLY			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	: TOWNSHIP	:	RANGE	:	
DATE	: 10/20/88	PERMANENT DATUM	: 0	ELEVATIONS	
DEPTH DRILLER	: 129.84	ELEV. PERM. DATUM:	0	KB	: 0
LOG BOTTOM	: 129.34	LOG MEASURED FROM:	0	DF	: 0
LOG TOP	: 0.32	DRL MEASURED FROM:	0	GL	: 0
CASING DRILLER	: 52.43	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0.5	RECORDED BY	: G.PHILLIPS		
BIT SIZE	: 17.8	BOREHOLE FLUID	: WATER	FILE	: PROCESSED
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 5
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: 0 1
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 15000
REMARKS	:				

VERTICAL

LOGGED OPEN HOLE BL170/SL25790

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

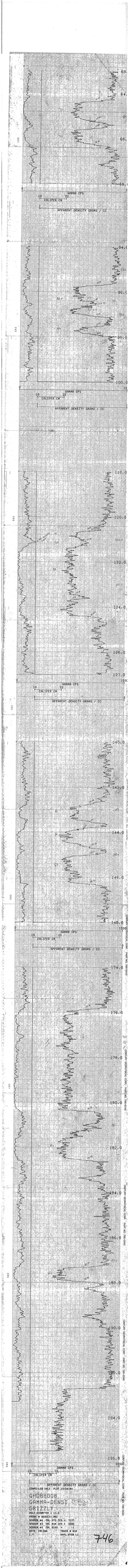
746



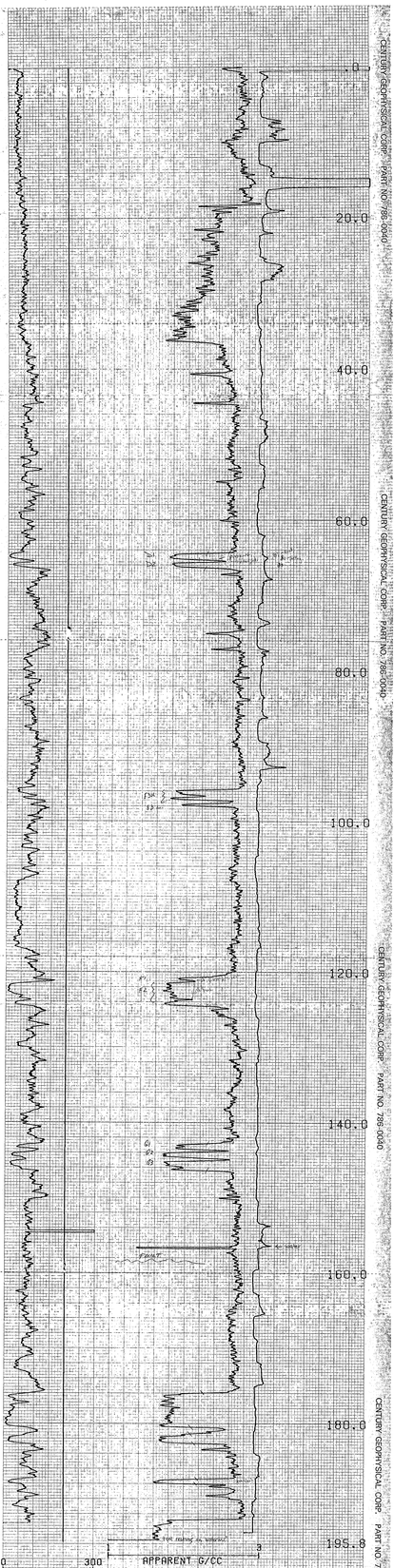
* * * * * * * * * * COMPU-LOG II - VERTICAL DEVIATION * * * * * * * * * * * * *

CLIENT : QUINTETTE COAL LTD. HOLE ID. : QHD88007 DEVI
FIELD OFFICE : CALGARY DATE OF LOG : 10/20/88
DATA FROM : PROBE : 9055A , 46
MAG. DECL. : 24.500 DEPTH UNITS : METER LOG 5

Table Depth	True Depth	North Dev.	East Dev.	Distance	Azimuth	SAND	SAND
55.0	54.92	-.27	0.68	0.7	111.8	2.9	98.0
65.0	64.91	-.35	1.17	1.2	106.7	2.5	95.6
75.0	74.90	-.43	1.56	1.6	105.4	2.0	114.1
85.0	84.89	-.59	1.93	2.0	107.1	2.9	106.8
95.0	94.88	-.71	2.36	2.5	106.8	2.3	107.9
105.0	104.88	-.87	2.66	2.8	108.2	1.8	122.1
115.0	114.87	-1.10	2.93	3.1	110.4	2.2	134.1
125.0	124.86	-1.34	3.20	3.5	112.7	2.3	139.9
129.3	129.20	-1.48	3.32	3.6	114.0	0.0	0.0


GAMMA CPS
CALIPER IN
APPARENT DENSITY GRAMS / CC
65
64
66
68
94
96
98
100
118
120
122
124
126
127
140
142
144
146
148
174
176
178
180
182
184
186
188
190
192
194
196
198
CORRELATION CURVE - TRACK #1 SCALE
CORRELATION CURVE - TRACK #2 SCALE
COMPUTER RUN - PLOT 10:29:09
GM088008
GAMMA-DENSI
GR12721
FROM N MUSKEGON
SONDE #4 CAL STD CPS = 3171
SONDE #4 CAL BKG CPS = 1000
SONDE #4 CAL BIAS = -1
DATE: 08/26/88 TRUCK # 548
L.F. WITT-AYER LI

746



COMPU-LOG V6L2 PLOT 10-29-80

QHD88008

GAMMA-DENSI

GRIZZLY

HOLE DIAMETER = 11.0

PROBE # 9032C1- 961

SENSOR #4 CAL STD CPS = 7127

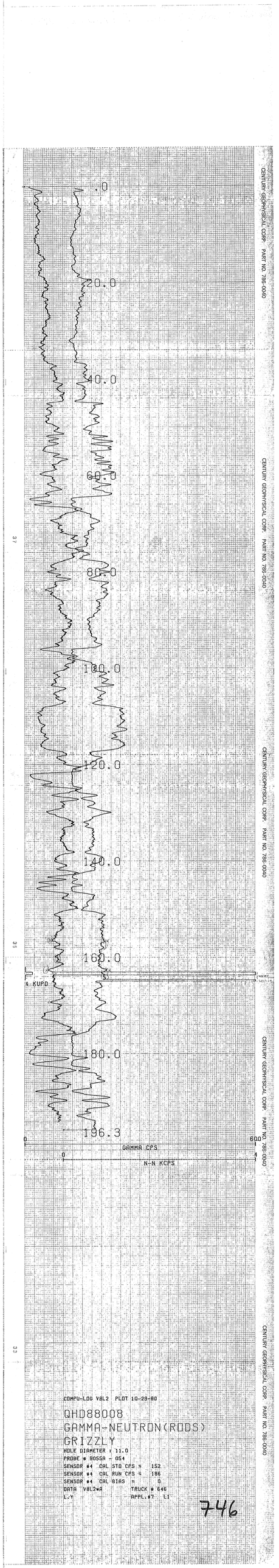
SENSOR #4 CAL RUN CPS = 2500

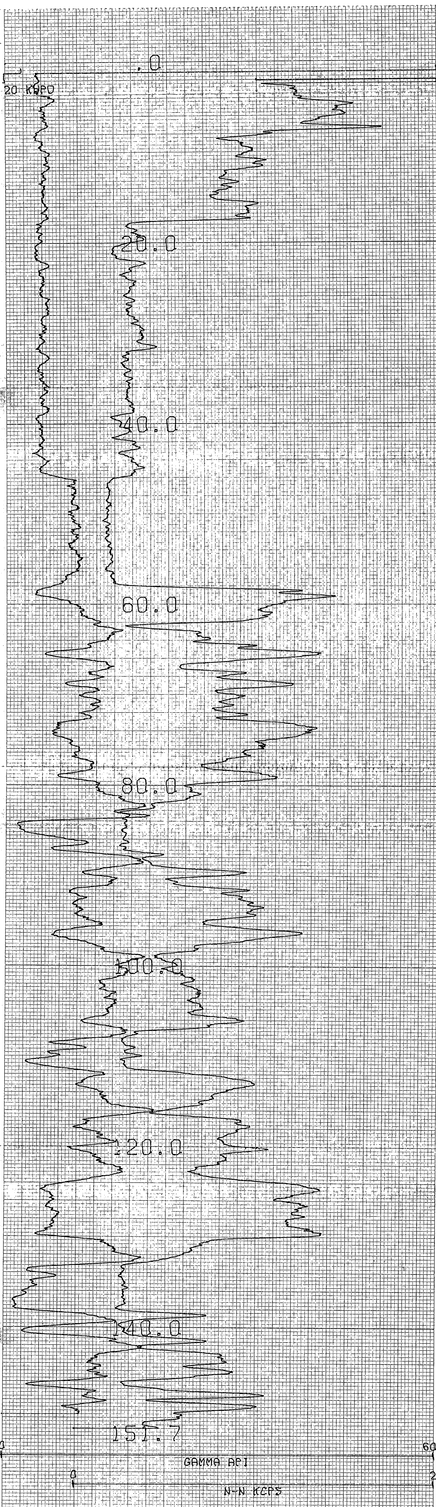
SENSOR #4 CAL BIAS = -1

DATA V6L2WA TRUCK # 648

L.Y APPL.#30 L1

746


.0
20.0
40.0
60.0
80.0
100.0
120.0
140.0
160.0
180.0
196.3
4 KUPD
0
600
GAMMA CPS
0
1
N-N KCPS
COMPU-LOG V8L2 PLOT 10-29-80
QHD88008
GAMMA-NEUTRON(RODS)
GRIZZLY
HOLE DIAMETER : 11.0
PROBE # 9055A - 054
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 186
SENSOR #4 CAL BIAS := 0
DATA V8L2=#
TRUCK # 646
L.Y
APPL.#7 L1
746
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040



COMPU-LOG V8L2 PLOT 11-03-80

QHD 88009
GAMMA NEUTRON DEV.
GRIZZLY

HOLE DIAMETER : 13.1
PROBE # 9055A 0054
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 186
SENSOR #4 CAL BIAS = 0
DATA V8L2WA TRUCK # 647
MIKE H. APPL.#7 L1

VERTICAL DEVIATION

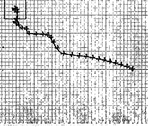
COMPU-LOG V8L1 DEVIATION
DATA FROM : V8L2WA

CLIENT : GAMMA NEUTRON DEV.
LOCATION : GRIZZLY
HOLE ID : QHD 88009
DATE OF LOG : 11-03-80
PROBE : 9055A 0054

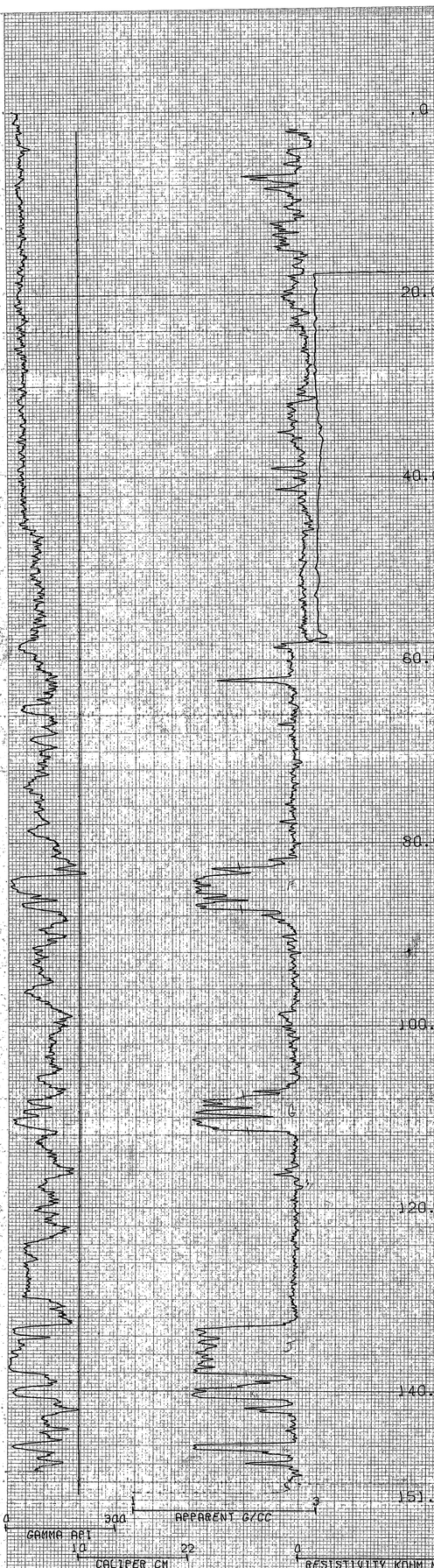
SCALE: .25 M/DIV
MAG DECL: 24.5
TRUE DEPTH: 151.6 M
AZIMUTH: 117.8
DISTANCE: 1.85 M

+ = 5.0 M INCR
Δ = TOP OF ZONE
◇ = BOTTOM OF ZONE
TRUE NORTH ↑

746



CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040



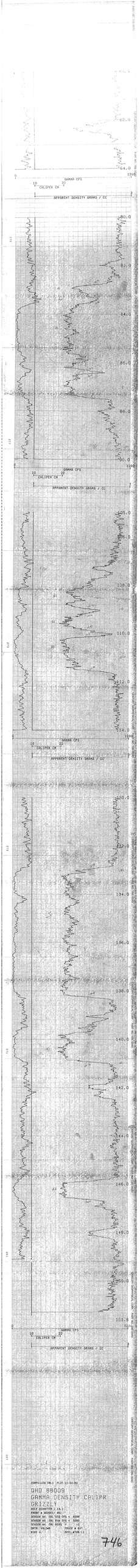
COMPU-LOG VDL2 PLOT 11-03-90

QHD 88009
GAMMA DENSITY CALIPR
GRIZZLY

HOLE DIAMETER = 13.1
PROBE # 9032C1- 961
SENSOR #4 CAL STD CPS = 6500
SENSOR #4 CAL RUN CPS = 5000
SENSOR #4 CAL BIAS = -1
DATA VDL2*A TRUCK # 647
MIKE H. APPL.#> L1

746

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

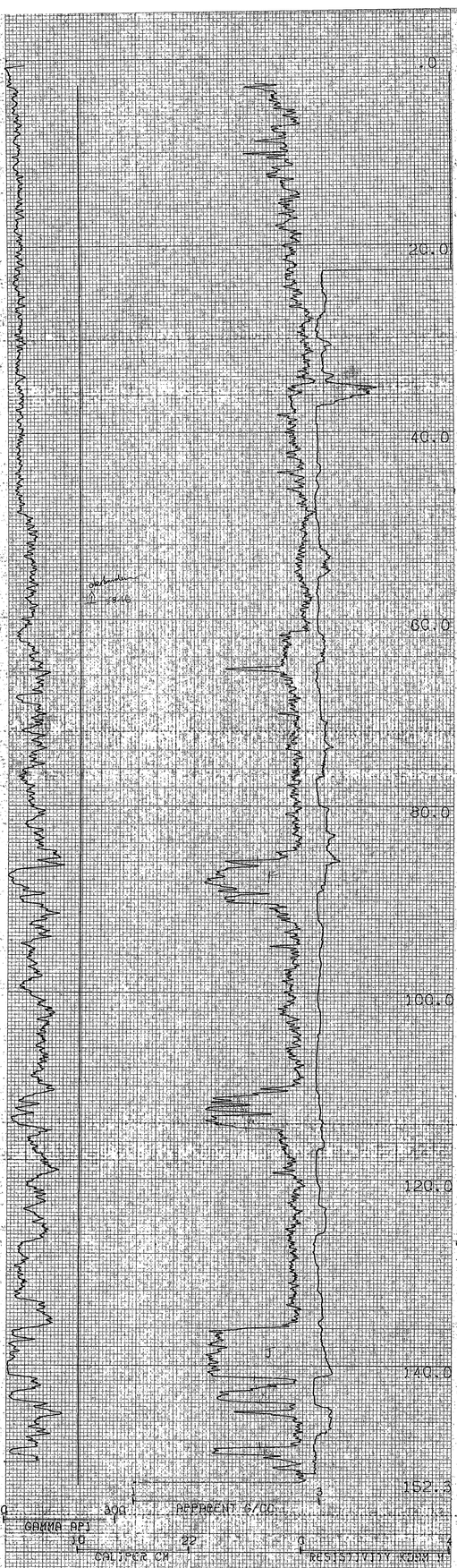


COMPU-LOG VBL2 PLOT 13-03-80

QHD 88009
GAMMA DENSITY CALIPR
GRIZZLY

HOLE DIAMETER = 13.1
PROBE # 8032C1- 861
SENSOR #4 CAL STD CPS = 6588
SENSOR #4 CAL RUN CPS = 5000
SENSOR #4 CAL BIAS = -1
DATA VBL2WA TRUCK # 647
MIKE H. APPL.#708 L1

746



CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

COMPU-LOG 7BL2 PLOT 11-03-84

QHD 88009 (RODS)

GAMMA DENSITY CALIPR

GRIZZLY

HOLE DIAMETER = 13.1

PROBE # 0632C1 - 061

SENSOR #4 CAL STD CPS = 6588

SENSOR #4 CAL RUN CPS = 2500

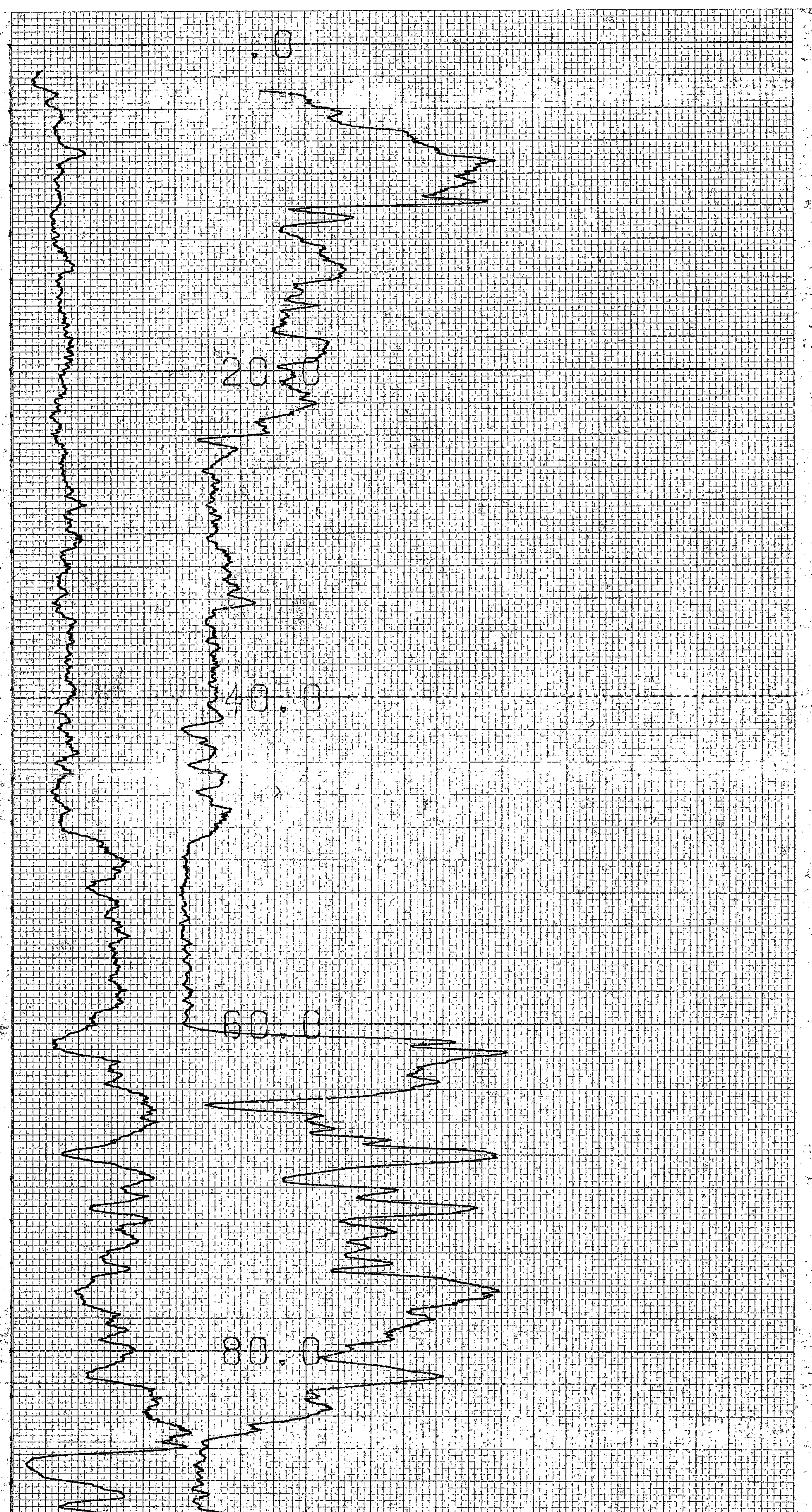
SENSOR #4 CAL BIAS = -1

DATA VALUES TRUCK # 647

MIKE M. ACCL.#86 C1

746

285



COMPO-LOG V8.2 PLOT 11-03-80

GHD 83C09

GAMMA NEUTRON RODS

GRIZZLY

HOLE DIAMETER : 13.1
PROBE # 90550 -- C24
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RDN CPS = 130
SENSOR #4 CAL BIAS = 0
DATA V8L249 TRUCK # 642
MIKE H. APPL.#7 13

746

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG V8LI DEVIATION

CLIENT : GAMMA NEUTRON DEV. HOLE ID : QHD 88009

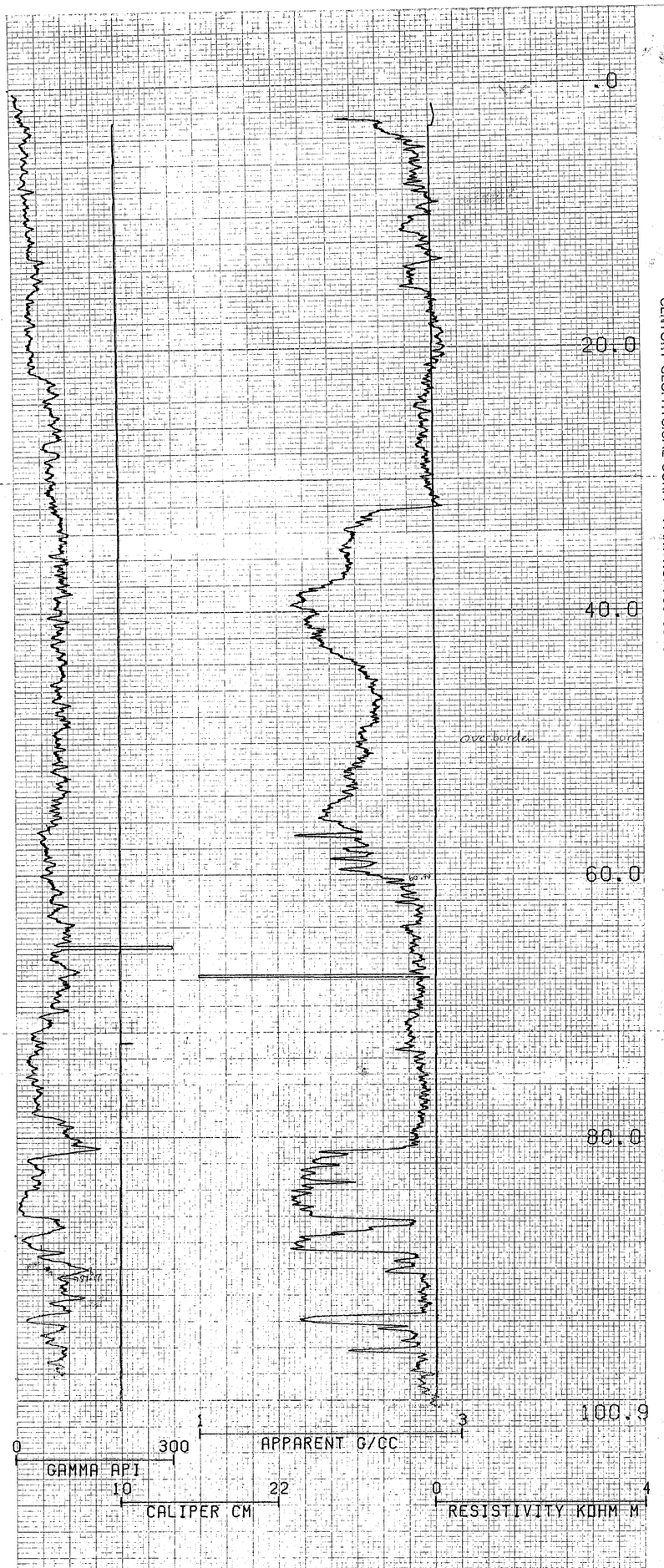
LOCATION : GRIZZLY DATE OF LOG : 11-03-88

DATA FROM : V8L2*A PROBE : 9055A 0854

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	-.02	.00	.02	172.4	.3	172.3
	10.00	9.99	-.01	.01	.02	138.8	.1	45.1
	15.00	14.99	-.01	.02	.03	123.6	.1	95.1
	20.00	19.99	-.05	.03	.06	148.9	.4	170.5
	25.00	24.99	-.14	.03	.14	168.1	1.0	181.1
	30.00	29.99	-.19	.02	.19	173.8	.5	190.6
	35.00	34.99	-.18	.01	.18	176.2	.1	308.7
	40.00	39.99	-.20	.02	.20	173.4	.2	147.7
	45.00	44.99	-.23	.05	.23	167.4	.4	133.8
	50.00	49.99	-.27	.10	.29	159.4	.7	130.6
	55.00	54.99	-.29	.16	.33	150.8	.6	103.7
	60.00	59.98	-.35	.20	.40	150.1	.8	146.8
	65.00	64.98	-.36	.29	.46	140.7	1.0	95.7
	70.00	69.98	-.36	.38	.52	133.6	.9	91.7
	75.00	74.98	-.37	.45	.58	129.5	.7	97.3
	80.00	79.98	-.40	.49	.64	129.3	.6	127.1
	85.00	84.98	-.47	.53	.71	131.3	.8	149.2
	90.00	89.98	-.55	.58	.80	133.4	1.1	148.6
	95.00	94.98	-.63	.67	.92	133.2	1.3	132.3
	100.00	99.98	-.65	.79	1.02	129.5	1.3	99.4
	105.00	104.98	-.66	.89	1.11	126.7	1.1	97.2
	110.00	109.97	-.67	.98	1.19	124.2	1.1	95.2
	115.00	114.97	-.68	1.07	1.27	122.6	1.0	100.0
	120.00	119.97	-.70	1.16	1.36	121.3	1.0	102.2
	125.00	124.97	-.72	1.24	1.43	120.2	.9	101.1
	130.00	129.97	-.74	1.31	1.51	119.4	.8	104.3
	135.00	134.97	-.76	1.39	1.59	118.6	.9	103.5
	140.00	139.97	-.78	1.47	1.67	118.1	.9	107.8
	145.00	144.97	-.81	1.55	1.75	117.5	.9	107.1
	150.00	149.97	-.84	1.63	1.83	117.4	.9	114.2
TD	151.60	151.57	-.86	1.64	1.85	117.8	.9	152.6

746



COMPU-LOG V8L2 PLOT 11-09-80

11

QHD 8801~~0~~

GAMMA DENSITY CALIPR

GRIZZLY

HOLE DIAMETER = 13.1

PROBE # 9032C1- 961

SENSOR #4 CAL STD CPS = 7127

SENSOR #4 CAL RUN CPS = 2500

SENSOR #4 CAL BIAS = -1

DATA V8L2*A TRUCK # 646

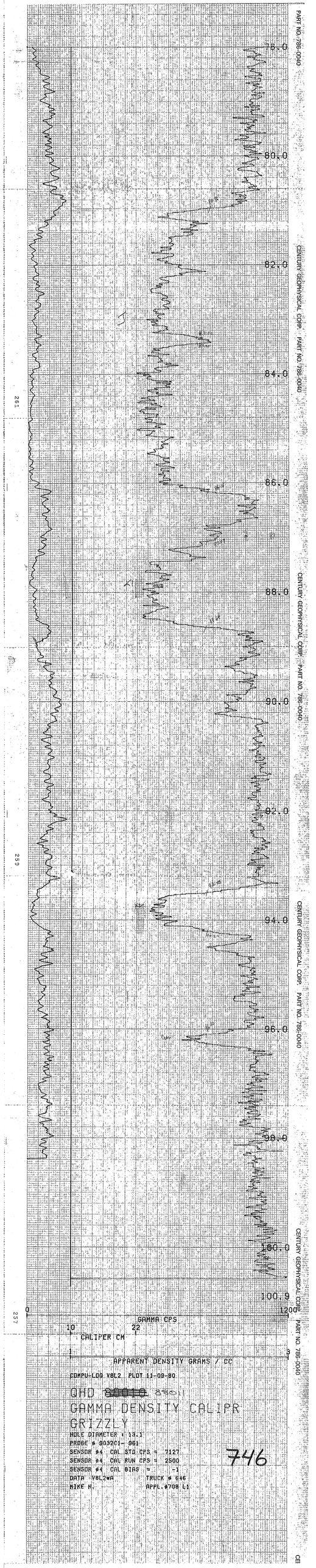
MIKE H. APPL.#30 L1

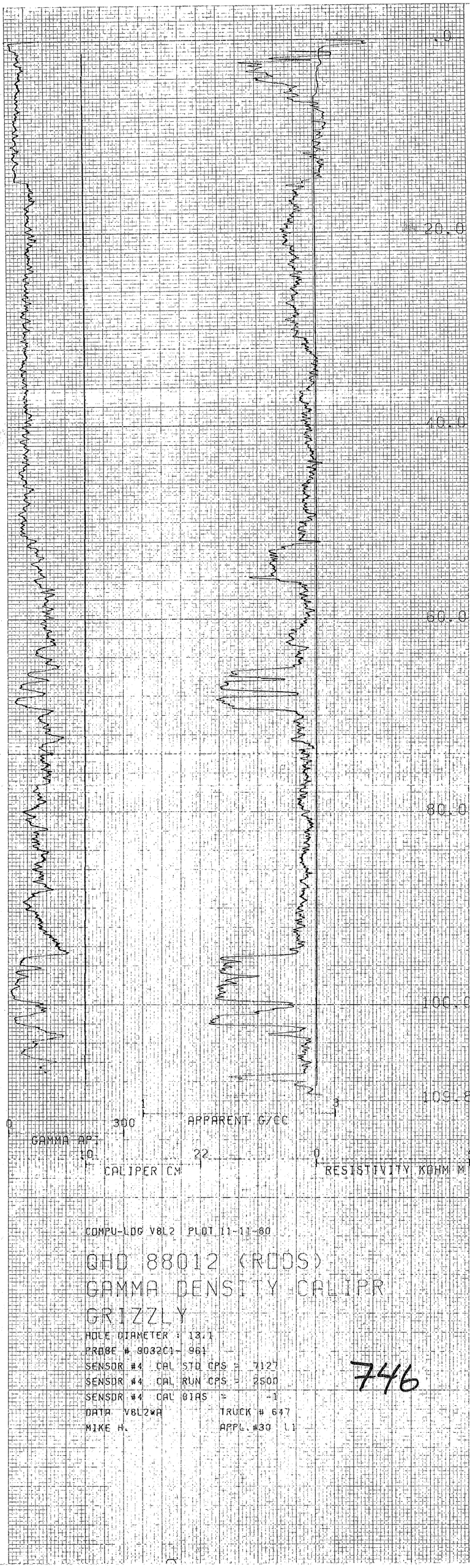
746

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART


PART NO. 786-0040
CENTURY GEOPHYSICAL CORP.
78.0
80.0
82.0
84.0
86.0
88.0
90.0
92.0
94.0
96.0
98.0
100.0
100.9
261
259
257
0
1200
GAMMA CPS
10
22
CALIPER CM
1
3
APPARENT DENSITY GRAMS / CC
COMPU-LOG V8L2 PLOT 11-09-80
QHD 880110 880111
GAMMA DENSITY CALIPR
GRIZZLY
HOLE DIAMETER = 13.1
PROBE # 9032C1- 961
SENSOR #4 CAL STD CPS = 7127
SENSOR #4 CAL RUN CPS = 2500
SENSOR #4 CAL BIAS = -1
DATA V8L2WA TRUCK # 646
MIKE H. APPL.0708 L1
746



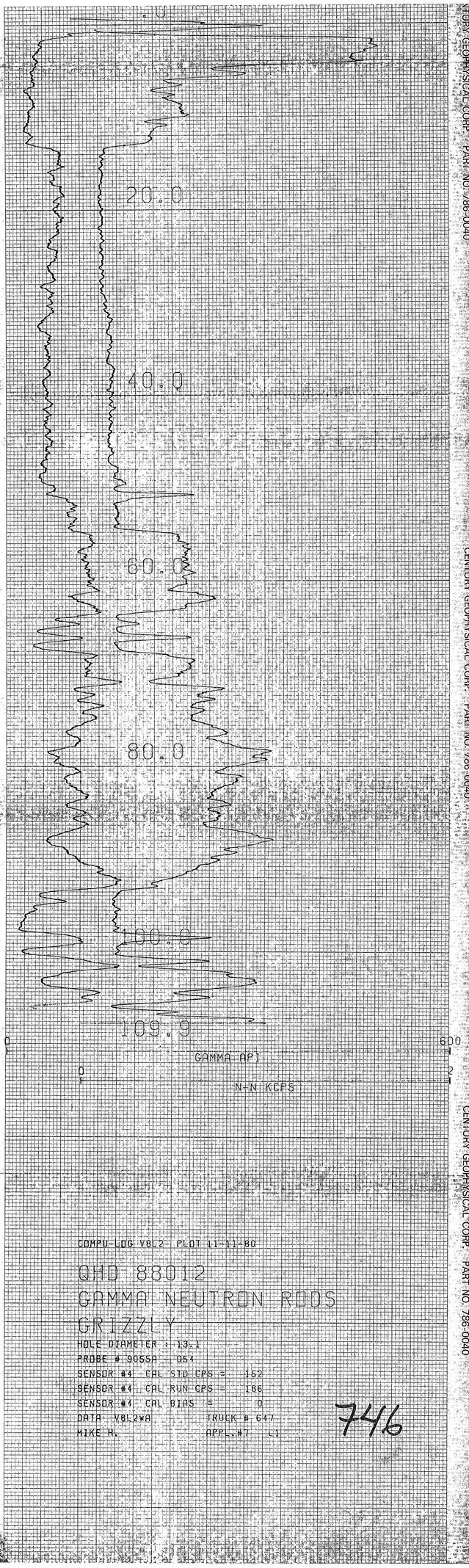
COMPU-LOG V8L2 PLOT 11-11-80

QHD 88012 (RODS)
GAMMA DENSITY CALIPR
GRIZZLY

HOLE DIAMETER : 13.1
PROBE # 9032C1- 961
SENSOR #4 CAL STD CPS = 7127
SENSOR #4 CAL RUN CPS = 2500
SENSOR #4 CAL BIAS = -1
DATA V8L2*A TRUCK # 647
MIKE H. APPL.#30 L1

746

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
CE



COMPU-LOG V8L2 PLOT 11-11-80

QHD 88012

GAMMA NEUTRON RDOS

GRIZZLY

HOLE DIAMETER : 13.1

PROBE # 9055A 054

SENSOR #4 CAL STD CPS = 152

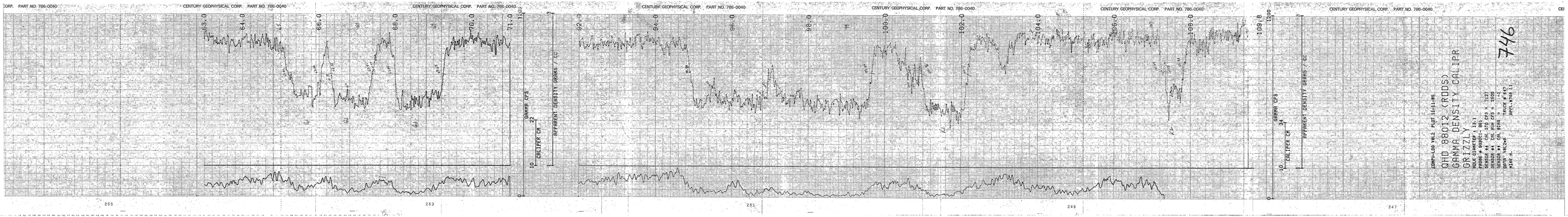
SENSOR #4 CAL RUN CPS = 186

SENSOR #4 CAL BIAS = 0

DATA V8L2#A TRUCK # 647

MIKE H. APPL. #7 L1

746


CENTURY GEOPHYSICAL CORP. PART NO. 786-0040
63.0
64.0
66.0
68.0
70.0
71.0
92.0
94.0
96.0
98.0
100.0
102.0
104.0
106.0
108.0
109.8
GAMMA CPS
CALIPER CM
APPARENT DENSITY GRAMS / CC
255
253
251
249
247
GAMMA-LOG V8L2 PLOT 11-11-90
QHD 88012 (RODS)
GAMMA DENSITY CALIPR
GRIZZLY
MODE DIAMETER: 13.1
FROMS # 80021-001
SENSOR #4 CAL STD CPS = 7127
SENSOR #4 CAL BGN CPS = 2500
SENSOR #4 CAL BIAS = -1
DATA V8L2=A TRACK #'6/7
MIKE H. APPL.#708 L1
746

Century

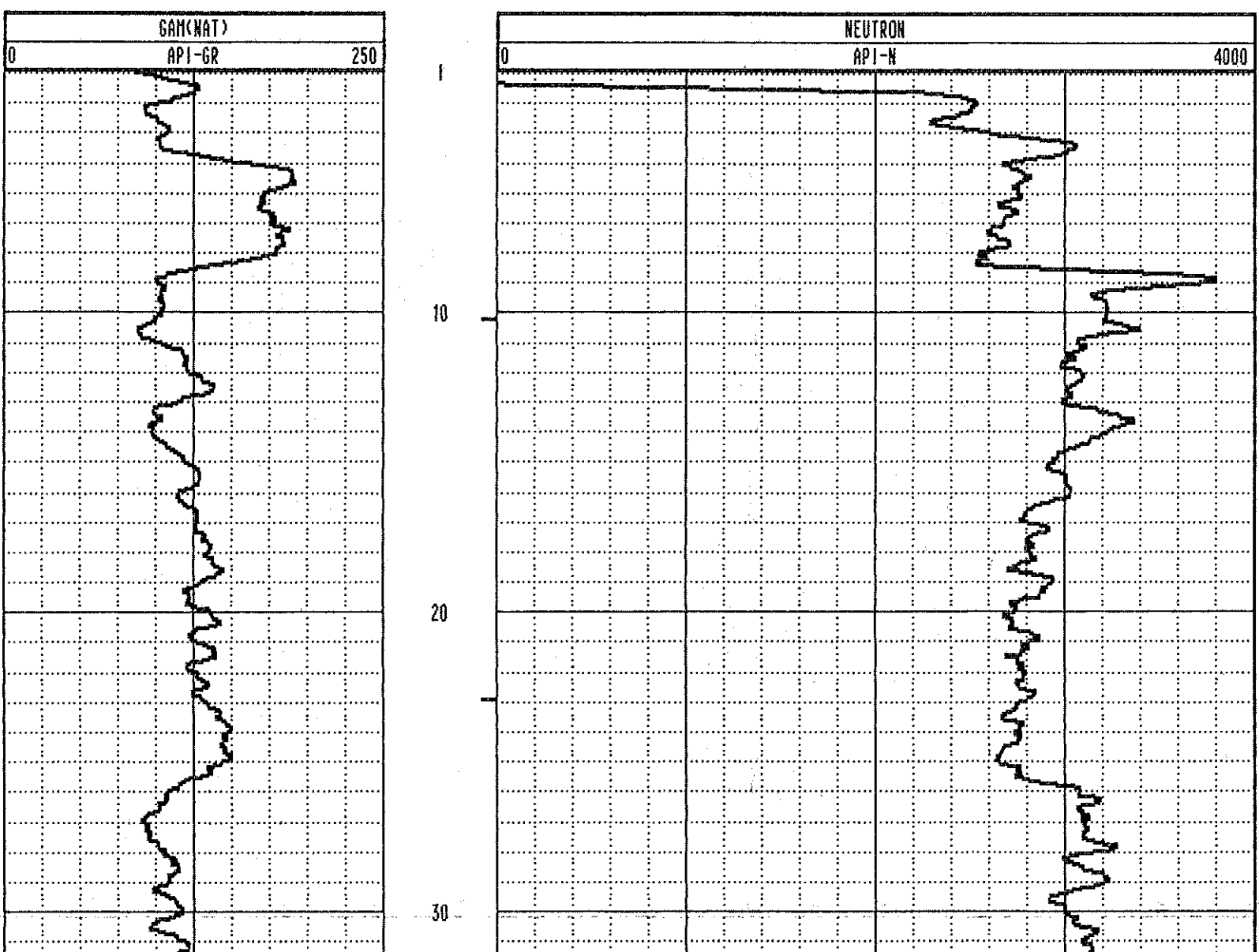
QMR 88003 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.				
WELL	: QMR 88003 GAMMA-NEUTRON				
LOCATION/FIELD	: BL 19600;SL 28800/EXT WEST				
COUNTY	:				
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/07/88	PERMANENT DATUM	: 1330	ELEVATIONS	
DEPTH DRILLER	: 60 M	ELEV. PERM. DATUM	: 1330	KB	: 1330
LOG BOTTOM	: 58.88	LOG MEASURED FROM	: 1330	DF	: 1330
LOG TOP	: 1.14	DRL MEASURED FROM	: 1330	GL	: 1330
CASING DRILLER	: 9	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 13.34	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 2
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 2
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500
REMARKS	:				

OTHER SERVICES:
DEN.NEUT
GAM.RES.
CAL.DEV

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746



TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:20:10	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

Century

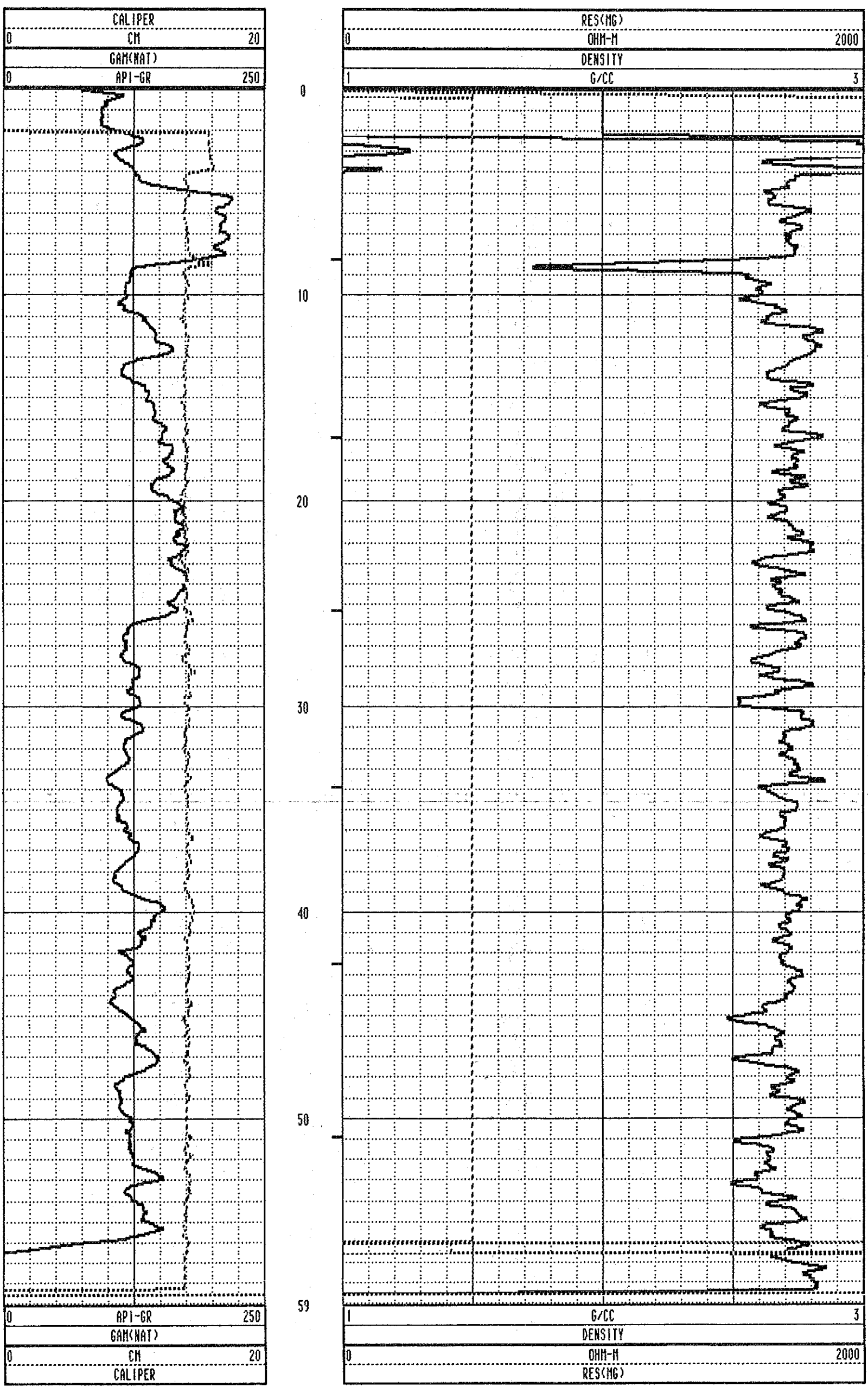
QMR 88003 GAMMA-DENSITY

COMPANY	: QUINTETTE COAL LTD.				
WELL	: QMR 88003 GAMMA-DENSITY				
LOCATION/FIELD	: BL 19600:SL 28800 EXT WEST				
COUNTY	:				
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/07/88	PERMANENT DATUM	: 1330	ELEVATIONS	
DEPTH DRILLER	: 60 M	ELEV. PERM. DATUM	: 1330	KB	: 1330
LOG BOTTOM	: 58.68	LOG MEASURED FROM	: 1330	DF	: 1330
LOG TOP	: 0.10	DRL MEASURED FROM	: 1330	GL	: 1330
CASING DRILLER	: 9	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 13.34	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 2
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 3
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500
REMARKS	:				

OTHER SERVICES:
DEN,NEUT
GAM,RES,
CAL,DEV

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

746



TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 404

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	14:13:46	0	DENSITY	5615.000 CPS	1.106 G/CC
3	07/28/88	14:13:46	0	DENSITY	2230.500 CPS	2.120 G/CC
4	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
5	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
6	07/28/88	15:42:06	0	CALIPER	213.400 CPS	7.600 CM
7	07/28/88	15:42:06	0	CALIPER	1842.500 CPS	17.800 CM
8	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
9	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
10	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM
11	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM

QHR 88003 DEVIATION

COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHR 88003 DEVIATION	DEN.NEUT	
LOCATION/FIELD	: 1N 19600:SL 28800/EXT WEST	GAM.RES.	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP :	RANGE :	
DATE	: 88/07/88	PERMANENT DATUM : 1330	ELEVATIONS
DEPTH DRILLER	: 60 M	ELEV. PERM. DATUM: 1330	KB : 1330
LOG BOTTOM	: 58.88	LOG MEASURED FROM: 1330	DF : 1330
LOG TOP	: 1.14	DRL MEASURED FROM: 1330	GL : 1330
CASING DRILLER	: 9	LOGGING UNIT : 8401	
CASING TYPE	: STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS:	0	RECORDED BY : W. STROEBEL	
BIT SIZE	: 15.34	BOREHOLE FLUID : WATER	FILE : PROCESSED
MAGNETIC DECL.	: 24.500	RM : 0	TYPE : 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE : 0	LOG : 0
FLUID DENSITY	: 1.0	MATRIX DELTA T : 173	PLOT : 9055-D 1
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T : 690	THRESH: 2500
REMARKS	:		

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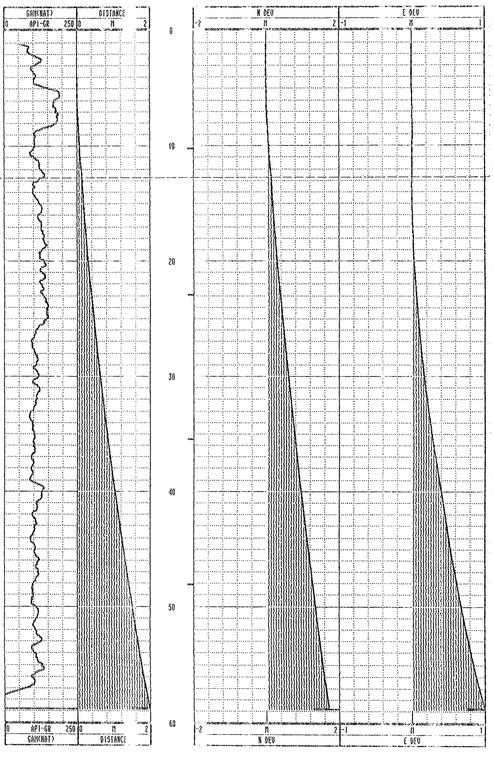
746



PAGE 1 Century Geophysical Corp. 9055A -PROCESSED

DEPTH (M)	T DEPTH M	D DIFF M	N DEV M	E DEV M	DISTANCE M	AZIMUTH DEG	SANG DEG	SANGB DEG
0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00	5.0	-.0	0.0	0.0	0.0	-.0	0.8	158.5
10.00	10.0	-.0	0.1	0.0	0.1	7.8	1.2	218.2
15.00	15.0	-.0	0.2	0.0	0.2	2.1	1.3	73.1
20.00	20.0	-.0	0.3	0.0	0.3	6.3	1.5	16.4
25.00	25.0	-.0	0.4	0.1	0.4	11.1	2.0	22.5
30.00	30.0	-.0	0.6	0.2	0.6	15.4	2.1	29.9
35.00	35.0	-.0	0.8	0.3	0.8	19.4	2.4	35.0
40.00	40.0	-.0	0.9	0.4	1.0	22.8	2.7	34.6
45.00	45.0	-.0	1.1	0.5	1.3	24.7	2.8	33.9
50.00	50.0	-.0	1.3	0.7	1.5	26.6	2.9	38.2
55.00	55.0	-.0	1.5	0.8	1.8	28.6	3.2	41.0
60.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

QHR 88004 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.				
WELL	: QHR 88004 GAMMA-NEUTRON				
LOCATION/FIELD	: BL 10650:SL 28800 TRANSFER W				
COUNTY	:				
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:

OTHER SERVICES:
DEN.NEUT
GAM.RES.
CAL.DEV

DATE	: 08/08/88	PERMANENT DATUM	: 1350	ELEVATIONS	
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM:	1350	KB	: 1350
LOG BOTTOM	: 167.36	LOG MEASURED FROM:	1350	DF	: 1350
LOG TOP	: 0.70	DRL MEASURED FROM:	1350	GL	: 1350
CASING DRILLER	: 1	LOGGING UNIT	: 62		
CASING TYPE	: PVC	FIELD OFFICE	: CALGARY		
CASING THICKNESS:	0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 6
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 2
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH:	2500
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 45

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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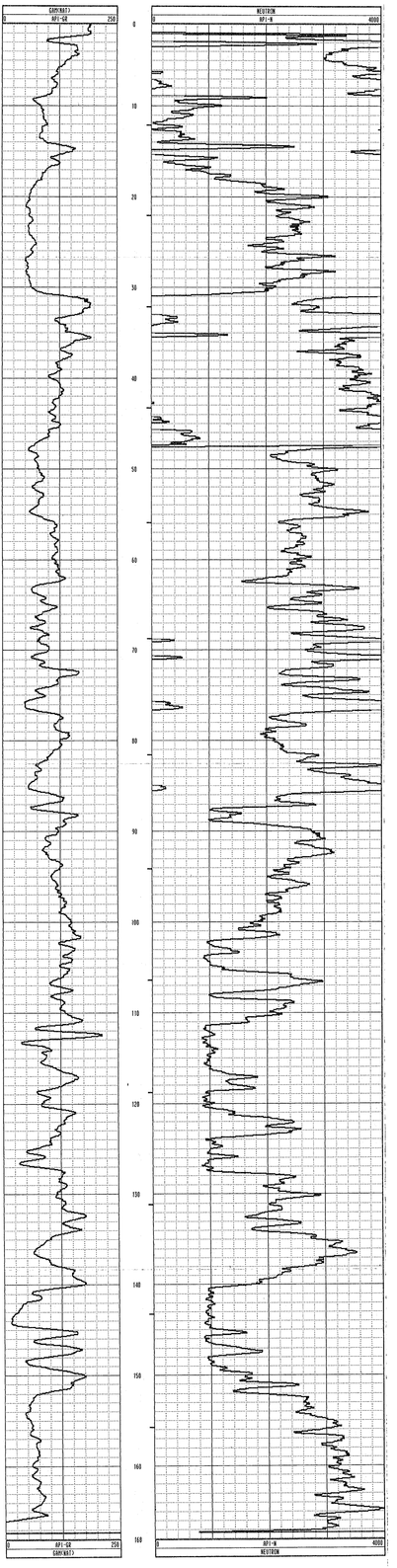

TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:28:18	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

QHR 88004 GAMMA-DENSITY

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHR 88004 GAMMA-DENSITY			DEN,NEUT	
LOCATION/FIELD	: BL 10650;SL 2880D/TRANSFER W			GAM,RES,	
COUNTY	:			CAL,DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/08/88	PERMANENT DATUM	: 1350	ELEVATIONS	
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM	: 1350	KB	: 1350
LOG BOTTOM	: 59.56	LOG MEASURED FROM	: 1350	DF	: 1350
LOG TOP	: 0.08	DRL MEASURED FROM	: 1350	GL	: 1350
CASING DRILLER	: 1	LOGGING UNIT	: 8401		
CASING TYPE	: PVC	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 13.34	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 3
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 3
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500

REMARKS :

LOGGED THOUGH RODS

ANGLE HOLE AZIMUTH 217 INCLINATION -45

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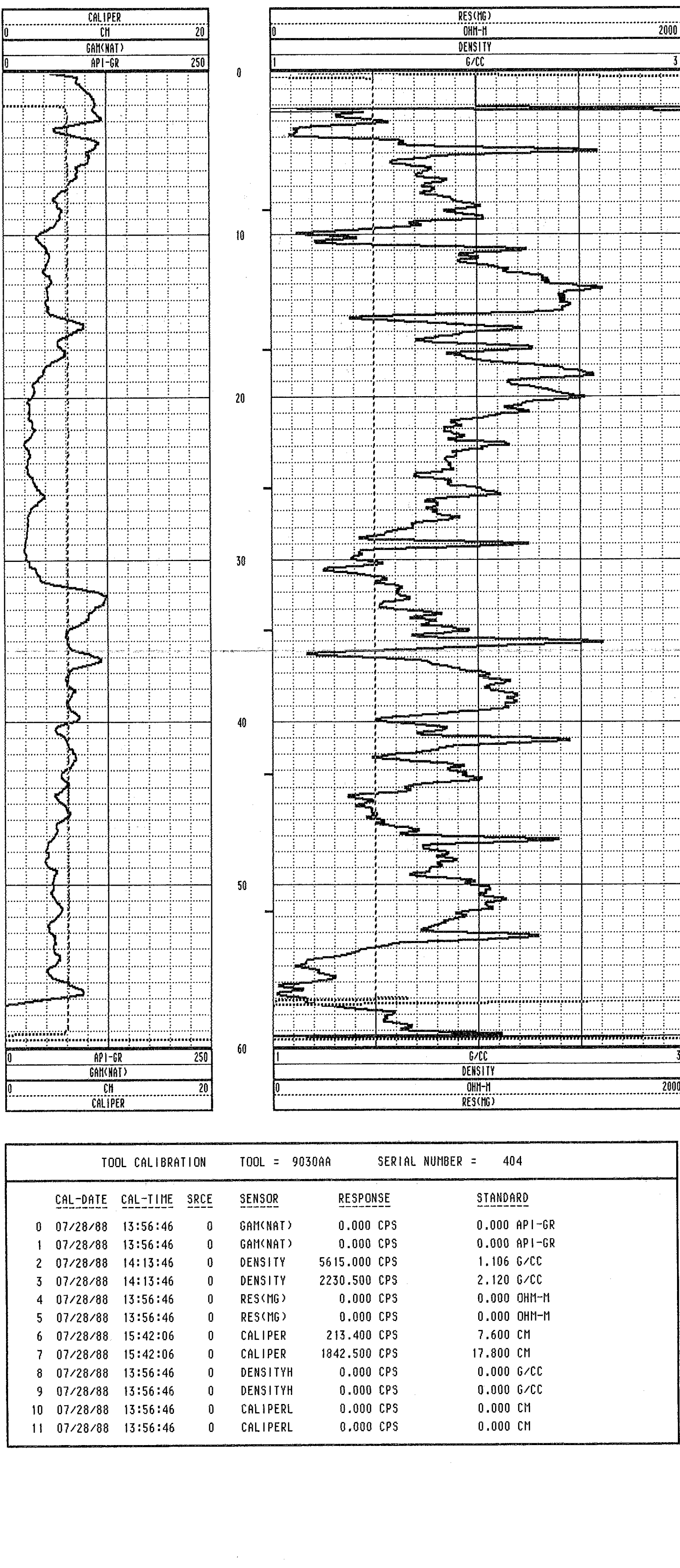
746



TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 404

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	14:13:46	0	DENSITY	5615.000 CPS	1.106 G/CC
3	07/28/88	14:13:46	0	DENSITY	2230.500 CPS	2.120 G/CC
4	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
5	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
6	07/28/88	15:42:06	0	CALIPER	213.400 CPS	7.600 CM
7	07/28/88	15:42:06	0	CALIPER	1842.500 CPS	17.800 CM
8	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
9	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
10	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM
11	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM

Century

DUAL RADIO GAMMA-DENSITY

746

746

Century

QHR 88004 DEVIATION

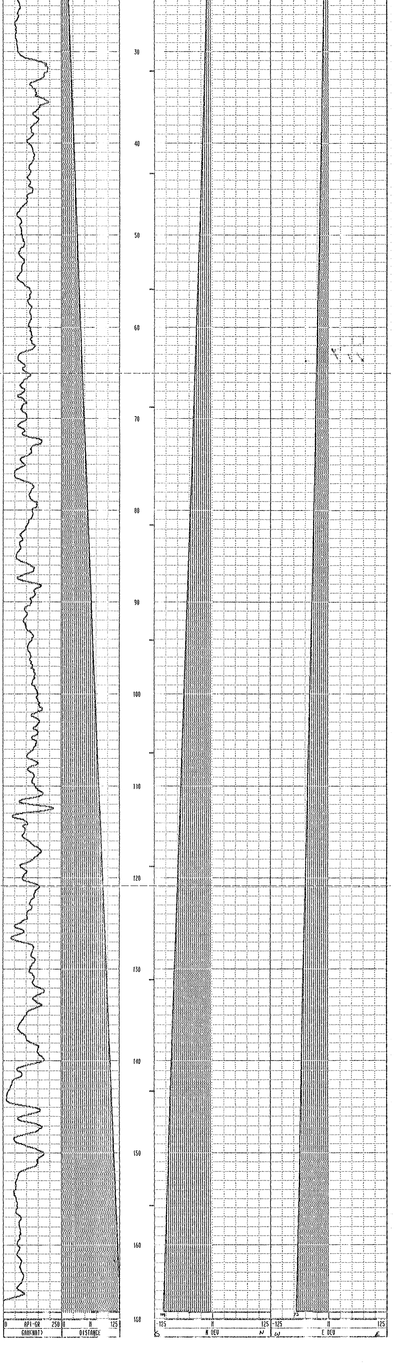
COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHR 88004 DEVIATION	DEN.NEUT	
LOCATION/FIELD	: DL 10650SL 20800 TRANSFER W	GAM.RES.	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP :	RANGE :	

DATE	: 08/09/88	PERMANENT DATUM	: 1350	ELEVATIONS	
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM:	1350	KB	: 1350
LOG BOTTOM	: 167.36	LOG MEASURED FROM:	1350	DF	: 1350
LOG TOP	: 0.70	DRL MEASURED FROM:	1350	GL	: 1350
CASING DRILLER	: 4	LOGGING UNIT	: 62		
CASING TYPE	: PVC	FIELD OFFICE	: CALGARY		
CASING THICKNESS:	0	RECORDED BY	: W. STROEBEL		

BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: PROCESSED
MAGNETIC DECL.	: 24.500	KM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	KH TEMPERATURE	: 0	LOG	: 0
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: 9055-D 1
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH:	2500
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 4S

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS



PAGE 1 Century Geophysical Corp. 9055A -PROCESSED

DEPTH (M)	T DEPTH M	D DIFF M	N DEV M	E DEV M	DISTANCE M	AZIMUTH DEG	SANG DEG	SANGB DEG
0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00	4.1	-.9	-1.4	-1.5	2.0	227.0	46.0	226.6
10.00	7.6	-2.4	-3.9	-3.9	5.6	225.4	46.0	222.2
15.00	11.1	-3.9	-6.6	-6.1	9.0	222.9	46.1	218.2
20.00	14.5	-5.5	-9.5	-8.1	12.5	220.4	46.3	216.2
25.00	18.0	-7.0	-12.3	-10.2	16.0	219.6	45.6	214.6
30.00	21.5	-8.7	-15.2	-12.0	19.4	218.3	45.8	211.2
35.00	25.0	-10.5	-18.3	-13.9	23.0	217.2	47.0	211.8
40.00	28.9	-11.6	-21.4	-15.8	26.6	216.5	47.5	211.5
45.00	31.7	-13.3	-24.5	-17.7	30.2	215.9	48.1	209.6
50.00	35.0	-15.0	-27.7	-19.6	33.9	215.2	49.0	212.0
55.00	38.2	-16.7	-30.8	-21.6	37.6	215.0	50.8	213.9
60.00	41.3	-18.7	-34.0	-23.7	41.5	214.9	52.6	211.4
65.00	44.4	-20.6	-37.3	-25.7	45.3	214.3	53.2	212.0
70.00	47.3	-22.7	-40.5	-27.6	47.9	214.1	53.3	213.2
75.00	50.3	-24.7	-43.7	-29.5	50.7	214.0	53.4	209.1
80.00	53.3	-26.7	-47.2	-31.4	54.7	213.9	53.2	209.6
85.00	56.3	-28.7	-50.6	-33.4	60.6	213.9	53.1	210.1
90.00	59.3	-30.7	-54.1	-35.3	64.6	213.2	53.4	209.7
95.00	62.2	-32.8	-57.3	-37.3	68.3	213.2	54.7	215.4
100.00	65.1	-34.9	-60.7	-39.8	72.6	213.3	55.4	215.6
105.00	67.9	-37.1	-64.0	-42.2	76.7	213.4	55.7	214.5
110.00	70.7	-39.3	-67.4	-44.6	80.8	213.3	55.8	215.3
115.00	73.5	-41.4	-70.8	-46.9	84.9	213.3	55.7	214.3
120.00	76.4	-43.6	-74.1	-49.2	89.0	213.6	55.5	214.8
125.00	79.2	-45.8	-77.5	-51.6	93.1	213.6	55.6	215.0
130.00	82.0	-48.0	-80.9	-53.9	97.2	213.7	55.4	213.0
135.00	84.9	-50.1	-84.3	-55.9	101.1	213.5	53.9	209.8
140.00	87.8	-52.1	-87.7	-57.8	105.1	213.4	54.1	208.6
145.00	90.7	-54.3	-91.1	-59.7	109.0	213.2	55.7	208.3
150.00	93.5	-56.4	-94.4	-61.6	112.7	213.1	55.4	209.5
155.00	96.4	-58.6	-97.7	-63.8	116.7	213.1	55.7	214.7
160.00	99.2	-60.8	-101.1	-66.1	120.8	213.2	55.3	214.7
165.00	102.0	-62.9	-104.4	-68.4	124.9	213.2	54.4	212.8

167-36

Century

GHR 58005 GAMMA-NEUTRON

COMPANY	: SCHLUMBERGER CDSG LTD.	OTHER SERVICES:
WELL	: GHR 58005 GAMMA-NEUTRON	GUN-NEUT
FIELD/WILD	: MT. ZION/EL PASO TOWNSHIP 8	GUN-GAMMA
COUNTY	:	CNL-DEN
STATE	: BRITISH COLUMBIA	
LOCATION	: SURFACE	RANGE :

DATE	: 05-05-58	PERMANENT DATUM : 1450	ELEVATIONS
DEPTH DRILLER	: 11.5 M	ELEV. PERM. DATUM: 1450	KB : 1450
LOG BOTTOM	: 91.30	LOG MEASURED FROM: 1450	DF : 1450
LOG TOP	: 0.00	DRL MEASURED FROM: 1450	GL : 1450
CASING DRILLER	: 2	LOGGING UNIT	: 8401
CASING LOGGER	: 2.4C	LOGGED BY	: 6, STEVENS
CASING THICKNESS	: 0	RECORDED BY	: G. STEVENS

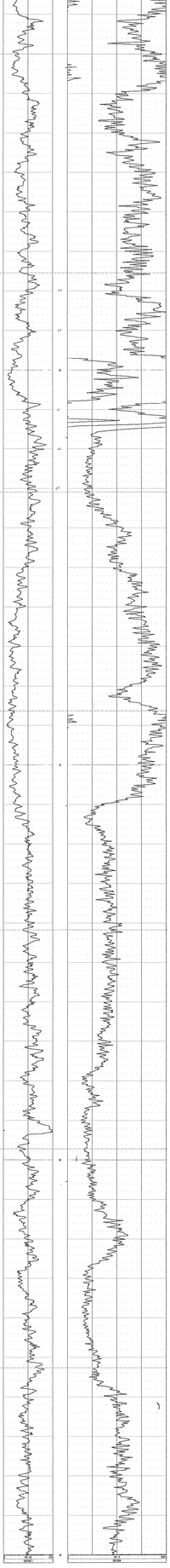
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER
MAGNETIC DECL.	: 24.5	PH	: 6.0
MATRIX DENSITY	: 2.68	MX TEMPERATURE	: 0
FLUID DENSITY	: 1.0	FLUID LOSS	: 0
MAXIMUM DEPTH	: SAMESTONE	FLUID VISC'S	: 450

FILE : ORIGINAL
TYPE : 58004
LOG : 0
RUN NUMBER : 2
TIMESTAMP: 2500

REMARKS

WHOLE HOLE ACIMUTH 217 INCLINATION 90
ALL SERVICES PROVIDED SUBJECT TO CDC STANDARDS TERMS AND CONDITIONS.

746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IIIIIIIIIIIIIIIIIIIIIIIIIIII
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KKKKKKKKKKKKKKKKKKKKKKKKKKKKK
LLLLLLLLLLLLLLLLLLLLLLLLLLLLL
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JJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJ
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HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
JJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJ
KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK
LLLLLLLLLLLLLLLLLLLLLLLLLLLLL

Century

QHR 88005 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.				
WELL	: QHR 88005 GAMMA-NEUTRON				
LOCATION/FIELD	: BL 20050;SL 28900/TRANSFER W				
COUNTY	:				
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/09/88	PERMANENT DATUM	: 1450	ELEVATIONS	
DEPTH DRILLER	: 151.5 M	ELEV. PERM. DATUM	: 1450	KB	: 1450
LOG BOTTOM	: 91.90	LOG MEASURED FROM	: 1450	DF	: 1450
LOG TOP	: 0.84	DRL MEASURED FROM	: 1450	GL	: 1450
CASING DRILLER	: 2	LOGGING UNIT	: 8401		
CASING TYPE	: PVC	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 4
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 2
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500
REMARKS	:				

OTHER SERVICES:
DEN,NEUT
GAM,RES,
CAL,DEV

ANGLE HOLE AZIMUTH 217 INCLINATION 60

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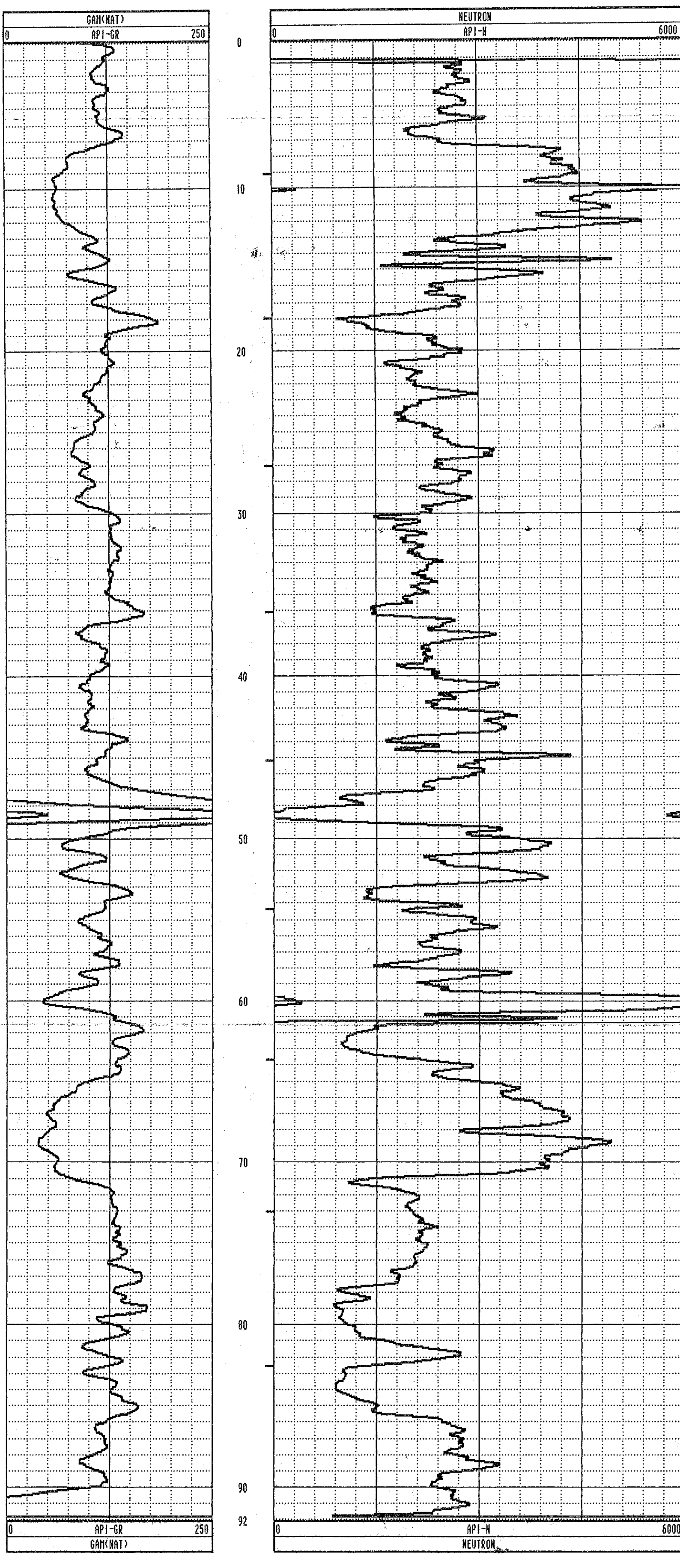

TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:20:10	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

Century

QHR 88005 GAMMA-DENSITY

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHR 88005 GAMMA-DENSITY			DEN.NEUT	
LOCATION/FIELD	: BL 20050;SL 28900/TRANSFER W			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/10/88	PERMANENT DATUM	: 1450	ELEVATIONS	
DEPTH DRILLER	: 151.5 M	ELEV. PERM. DATUM	: 1450	KB	: 1450
LOG BOTTOM	: 60.04	LOG MEASURED FROM	: 1450	DF	: 1450
LOG TOP	: 2.04	DRL MEASURED FROM	: 1450	GL	: 1450
CASING DRILLER	: 2	LOGGING UNIT	: 8401		
CASING TYPE	: PVC	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 4
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 3
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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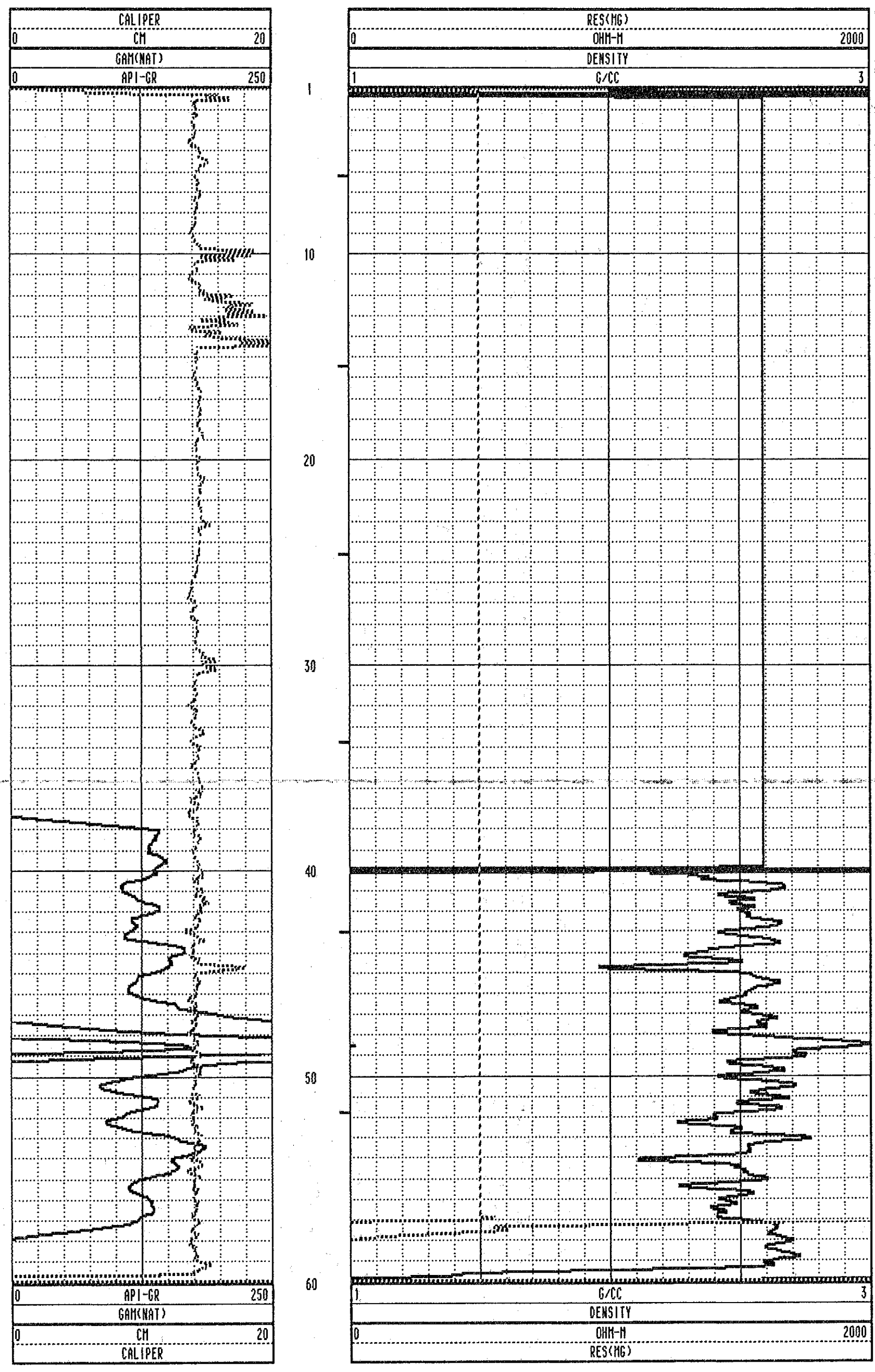

TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 404

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	14:13:46	0	DENSITY	5615.000 CPS	1.106 G/CC
3	07/28/88	14:13:46	0	DENSITY	2230.500 CPS	2.120 G/CC
4	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
5	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
6	07/28/88	15:42:06	0	CALIPER	213.400 CPS	7.600 CM
7	07/28/88	15:42:06	0	CALIPER	1842.500 CPS	17.800 CM
8	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
9	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
10	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM
11	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM

Century

QHR 88005 DEVIATION

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHR 88005 DEVIATION			DEN.NEUT	
LOCATION/FIELD	: BL 20050:SL 28900/TRANSFER W			GAM.RES.	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/11/88	PERMANENT DATUM	: 1450	ELEVATIONS	
DEPTH DRILLER	: 151.5 M	ELEV. PERM. DATUM:	1450	KB	: 1450
LOG BOTTOM	: 91.90	LOG MEASURED FROM:	1450	DF	: 1450
LOG TOP	: 0.84	DRL MEASURED FROM:	1450	GL	: 1450
CASING DRILLER	: 2	LOGGING UNIT	: 8401		
CASING TYPE	: PVC	FIELD OFFICE	: CALGARY		
CASING THICKNESS:	0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: PROCESSED
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 3
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 6
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH:	2500
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 60

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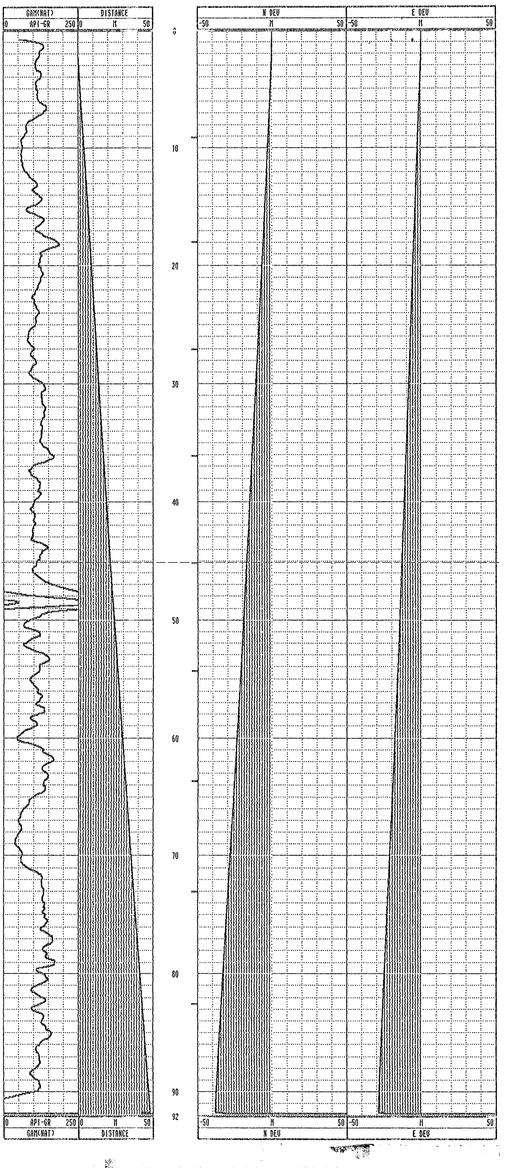

* * * * * * * * * * COMPU-LOG II - VERTICAL DEVIATION * * * * * * * * * * *

CLIENT : QUINTETTE COAL LTD.
FIELD OFFICE : CALGARY
DATA FROM :
MAG. DECL. : 24.500

HOLE ID. : QHR 88005 GAM
DATE OF LOG : 08/11/88
PROBE : 9055A 46
DEPTH UNITS : METER LOG 3

Cable Depth	True Depth	North Dev.	East Dev.	Distance	Azimuth	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
5.0	4.65	-.97	-.89	1.3	222.5	28.8	204.9
10.0	8.94	-2.83	-2.56	3.8	222.0	30.0	219.9
15.0	13.24	-4.82	-4.11	6.3	220.4	30.6	227.9
20.0	17.54	-6.74	-5.59	8.8	219.7	29.8	214.2
25.0	21.88	-8.79	-6.94	11.2	218.3	28.3	212.9
30.0	26.22	-10.85	-8.31	13.7	217.4	30.1	216.9
35.0	30.49	-12.92	-9.82	16.2	217.2	31.8	214.6
40.0	34.73	-14.97	-11.38	18.8	217.3	32.4	240.6
45.0	38.98	-16.97	-12.88	21.3	217.2	31.9	215.9
50.0	43.21	-19.12	-14.41	23.9	217.0	33.0	215.2
55.0	47.39	-21.32	-16.00	26.7	216.9	33.8	209.7
60.0	51.52	-23.55	-17.71	29.5	216.9	35.2	212.1
65.0	55.60	-25.87	-19.40	32.3	216.9	36.3	230.8
70.0	59.65	-28.21	-21.14	35.3	216.8	35.9	218.1
75.0	63.68	-30.49	-22.99	38.2	217.0	37.7	214.9
80.0	67.64	-32.93	-24.79	41.2	217.0	37.0	218.0
85.0	71.60	-35.23	-26.57	44.1	217.0	37.8	233.9
90.0	75.56	-37.53	-28.32	47.0	217.0	40.7	182.1
91.9	77.08	-38.34	-28.92	48.0	217.0	0.0	0.0

Century

QHR 88006 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHR 88006 GAMMA-NEUTRON	GAM.DEN.	
LOCATION/FIELD	: BL 20000:SL 29500 TRANSFER W	NEUT.RES	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP :	RANGE :	

DATE	: 08/23/88	PERMANENT DATUM : 1550	ELEVATIONS
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM: 1550	KB : 1550
LOG BOTTOM	: 166.62	LOG MEASURED FROM: 1550	DF : 1550
LOG TOP	: 9.98	DRL MEASURED FROM: 1550	GL : 1550
CASING DRILLER	: 4	LOGGING UNIT : 8401	
CASING TYPE	: STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS: 0		RECORDED BY : G. MURPHY	
BIT SIZE	: 15.6	BOREHOLE FLUID : WATER	FILE : ORIGINAL
MAGNETIC DECL.	: 24.500	RM : 0	TYPE : 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE : 0	LOG : B
FLUID DENSITY	: 1.0	MATRIX DELTA T : 173	PLOT : QUIN 2
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T : 690	THRESH: 2500
REMARKS	:		

ANGLE HOLE AZIMUTH 217 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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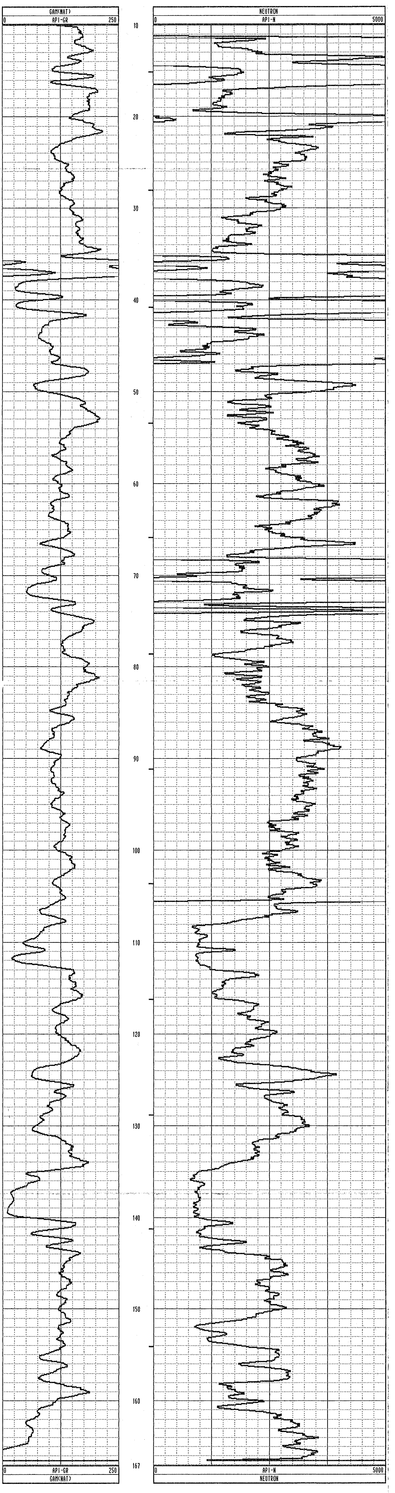

TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:20:10	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

Century

QHR 88006 GAMMA-DENSITY

COMPANY	: QUINTETTE COAL LTD.	OTHER SERVICES:	
WELL	: QHR 88006 GAMMA-DENSITY	GAM.DEN.	
LOCATION/FIELD	: BL 20000:SL 29500 TRANSFER W	NEUT.RES	
COUNTY	:	CAL.DEV	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP :	RANGE :	
DATE	: 08/28/88	PERMANENT DATUM	: 1550	ELEVATIONS	
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM:	1550	KB	: 1550
LOG BOTTOM	: 166.60	LOG MEASURED FROM:	1550	DF	: 1550
LOG TOP	: 0.12	DRL MEASURED FROM:	1550	GL	: 1550
CASING DRILLER	: 4	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS: 0		RECORDED BY	: G. MURPHY		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 0
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 175	PLOT	: QUIN 3
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH: 2500	
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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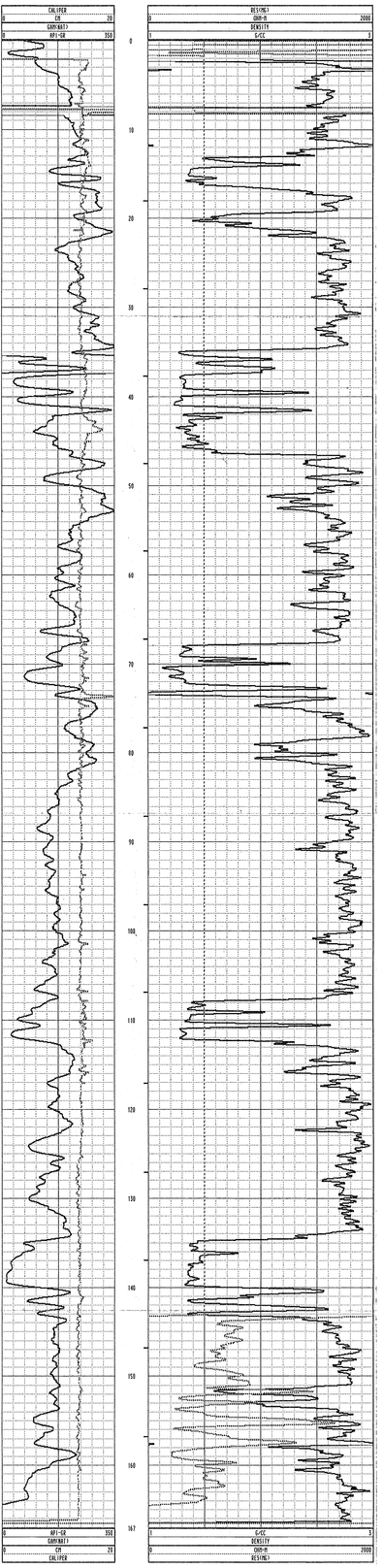

TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 404

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	14:13:46	0	DENSITY	5615.000 CPS	1.106 G/CC
3	07/28/88	14:13:46	0	DENSITY	2230.500 CPS	2.120 G/CC
4	07/28/88	13:56:46	0	RES(M)	0.000 CPS	0.000 OHM-M
5	07/28/88	13:56:46	0	RES(M)	0.000 CPS	0.000 OHM-M
6	07/28/88	15:42:06	0	CALIPER	213.400 CPS	7.600 CM
7	07/28/88	15:42:06	0	CALIPER	1842.500 CPS	17.800 CM
8	07/28/88	13:56:46	0	DENSITYN	0.000 CPS	0.000 G/CC
9	07/28/88	13:56:46	0	DENSITYN	0.000 CPS	0.000 G/CC
10	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM
11	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM

1120 Detail

QHR 88006 GAMMA-DENSITY

Century — CGC

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES: GAM.DEN. NEUT.RES CAL.DEV	
WELL	: QHR 88006 GAMMA-DENSITY				
LOCATION/FIELD	: BL 20000:SL 29500 TRANSFER W				
COUNTY	:				
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/23/88	PERMANENT DATUM	: 1550	ELEVATIONS	
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM	: 1550	KB	: 1550
LOG BOTTOM	: 166.60	LOG MEASURED FROM	: 1550	DF	: 1550
LOG TOP	: 0.12	DRL MEASURED FROM	: 1550	GL	: 1550
CASING DRILLER	: 4	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: G. MURPHY		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9030AA
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 3
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 5
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 404

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	13:56:46	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	14:13:46	0	DENSITY	5615.000 CPS	1.106 G/CC
3	07/28/88	14:13:46	0	DENSITY	2230.500 CPS	2.120 G/CC
4	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
5	07/28/88	13:56:46	0	RES(MG)	0.000 CPS	0.000 OHM-M
6	07/28/88	15:42:06	0	CALIPER	213.400 CPS	7.600 CM
7	07/28/88	15:42:06	0	CALIPER	1842.500 CPS	17.800 CM
8	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
9	07/28/88	13:56:46	0	DENSITYH	0.000 CPS	0.000 G/CC
10	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM
11	07/28/88	13:56:46	0	CALIPERL	0.000 CPS	0.000 CM

Century

QHR 88006 DEVIATION

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHR 88006 DEVIATION			GAM.DEN.	
LOCATION/FIELD	: BL 2000:SL 29500 TRANSFER W			NEUT.RES	
COUNTY	:			CAL.DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/24/88	PERMANENT DATUM	: 1550	ELEVATIONS	
DEPTH DRILLER	: 169 M	ELEV. PERM. DATUM:	1550	KB	: 1550
LOG BOTTOM	: 166.62	LOG MEASURED FROM:	1550	DF	: 1550
LOG TOP	: 9.98	DRL MEASURED FROM:	1550	GL	: 1550
CASING DRILLER	: 4	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS:	0	RECORDED BY	: G. MURPHY		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: PROCESSED
MAGNETIC DECL.	: 24.500	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 5
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 6
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH:	2500
REMARKS	:				

ANGLE HOLE AZIMUTH 217 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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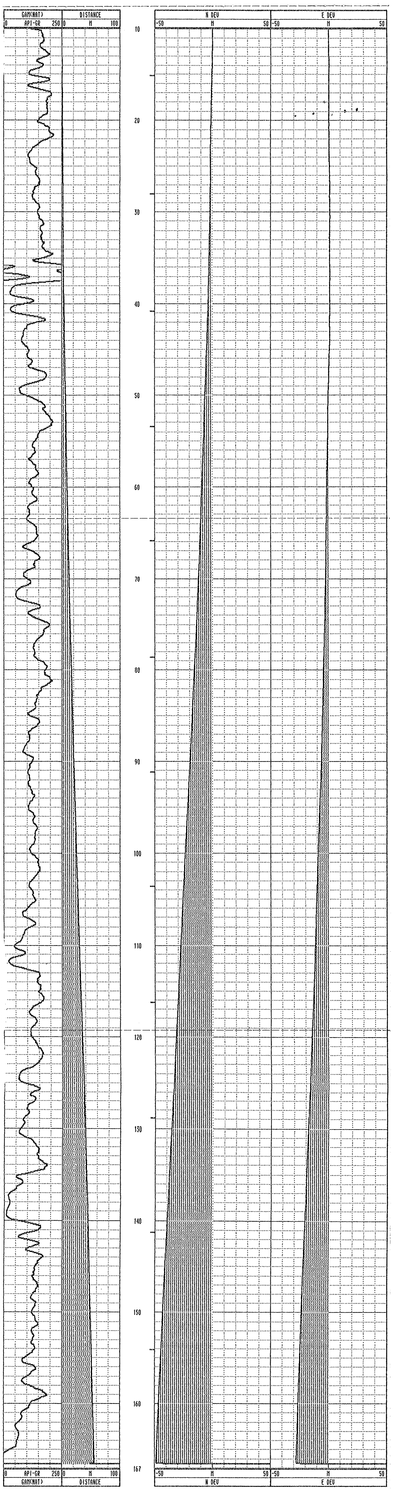

* * * * * * * * * * COMPU-LOG II - VERTICAL DEVIATION * * * * * * * * * *

CLIENT	: QUINTETTE COAL LTD.	HOLE ID.	: QHR 88006 GAM
FIELD OFFICE	: CALGARY	DATE OF LOG	: 08/24/88
DATA FROM	:	PROBE	: 9055A - 46
MAG. DECL.	: 24.500	DEPTH UNITS	: FEET LOG 5

Cable Depth	True Depth	North Dev.	East Dev.	Distance	Azimuth	SANG	SANGB
10.0	10.00	0.00	0.00	0.0	-.0	0.0	0.0
15.0	14.98	-.50	0.27	0.6	151.7	36.0	105.6
20.0	19.68	-1.23	0.42	1.3	161.4	39.8	178.5
25.0	22.81	-1.59	0.76	1.8	154.6	30.6	322.9
30.0	26.87	-2.02	1.19	2.3	149.4	36.4	153.8
35.0	30.99	-2.81	1.10	3.0	158.7	32.8	240.7
40.0	35.07	-3.67	1.22	3.9	161.5	39.2	146.7
45.0	39.18	-4.94	0.87	5.0	170.0	33.6	221.2
50.0	43.29	-6.55	-.29	6.6	182.6	34.2	219.8
55.0	47.46	-7.72	-.82	7.8	186.1	32.0	215.5
60.0	51.61	-9.12	-1.31	9.2	188.1	31.4	299.9
65.0	55.81	-10.62	-1.98	10.8	190.6	32.7	269.4
70.0	59.97	-12.17	-2.54	12.4	191.8	31.0	181.7
75.0	64.15	-13.78	-3.37	14.2	193.7	29.7	146.8
80.0	68.33	-15.78	-4.49	16.4	195.9	36.1	170.3
85.0	72.46	-17.61	-5.26	18.4	196.6	35.2	265.3
90.0	76.60	-19.47	-6.10	20.4	197.4	33.1	217.6
95.0	80.77	-21.51	-7.62	22.8	199.5	33.7	224.8
100.0	84.96	-23.56	-8.89	25.2	200.7	31.0	280.9
105.0	89.13	-25.61	-10.29	27.6	201.9	35.1	228.8
110.0	93.33	-27.54	-11.48	29.8	202.6	31.9	219.7
115.0	97.53	-29.51	-12.84	32.2	203.5	32.2	223.4
120.0	101.78	-31.57	-14.46	34.7	204.6	31.6	217.4
125.0	106.06	-33.59	-16.08	37.2	205.6	30.9	219.1
130.0	110.36	-35.57	-17.68	39.7	206.4	29.9	220.1
135.0	114.72	-37.59	-19.18	42.1	207.1	29.0	217.0
140.0	119.10	-39.38	-20.67	44.5	207.7	28.0	219.6
145.0	123.53	-41.22	-22.10	46.8	208.2	27.7	217.5
150.0	127.98	-43.01	-23.50	49.0	208.6	26.5	217.6
155.0	132.46	-44.76	-24.83	51.2	209.0	26.0	210.7
160.0	136.97	-46.47	-26.15	53.3	209.4	25.5	218.2
165.0	141.50	-48.16	-27.41	55.4	209.6	24.5	218.7
166.6	142.99	-48.68	-27.77	56.0	209.7	0.0	0.0

Century

QHR 88007 GAMMA-NEUTRON

COMPANY	: QUINTETTE COAL LTD.			OTHER SERVICES:	
WELL	: QHR 88007 GAMMA-NEUTRON			GAM,DEN,	
LOCATION/FIELD	: BL 19950:SL 29760/TRANSFER W			NEUT,RES	
COUNTY	:			CAL,DEV	
STATE	: BRITISH COLUMBIA				
SECTION	:	TOWNSHIP	:	RANGE	:
DATE	: 08/14/88	PERMANENT DATUM	: 1590	ELEVATIONS	
DEPTH DRILLER	: 78.2	ELEV. PERM. DATUM	: 1590	KB	: 1590
LOG BOTTOM	: 75.48	LOG MEASURED FROM	: 1590	DF	: 1590
LOG TOP	: 0.78	DRL MEASURED FROM	: 1590	GL	: 1590
CASING DRILLER	: 2.4	LOGGING UNIT	: 8401		
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY		
CASING THICKNESS	: 0	RECORDED BY	: W. STROEBEL		
BIT SIZE	: 15.6	BOREHOLE FLUID	: WATER	FILE	: ORIGINAL
MAGNETIC DECL.	: 24.5	RM	: 0	TYPE	: 9055A
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0	LOG	: 6
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173	PLOT	: QUIN 2
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690	THRESH	: 2500

REMARKS :
LOGGED THROUGH RODS
ANGLE HOLE AZIMUTH 217 INCLINATION 60

ALL SERVICES PROVIDED SUBJECT TO CGC STANDARD TERMS AND CONDITIONS

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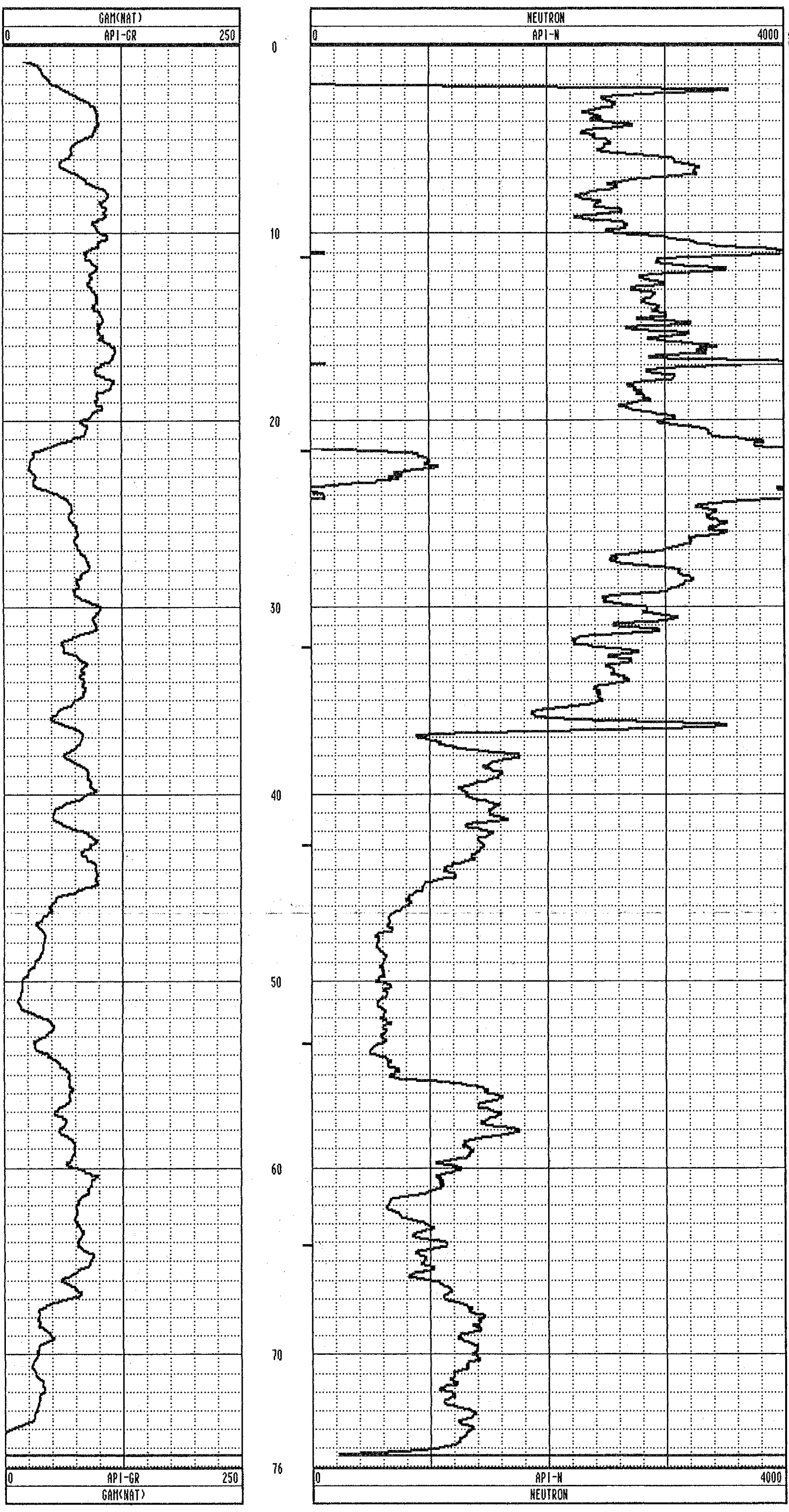

TOOL CALIBRATION TOOL = 9055A SERIAL NUMBER = 46

	CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	07/28/88	15:07:18	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	07/28/88	15:20:10	0	POROSITY	0.000 CPS	190.000 CPS
3	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
4	07/28/88	15:07:18	0	RES	0.000 CPS	0.000 OHM
5	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
6	07/28/88	15:07:18	0	SP	0.000 CPS	0.000 MV
7	07/28/88	15:19:56	0	NEUTRON	0.000 CPS	0.000 API-N
8	07/28/88	15:19:56	0	NEUTRON	190.000 CPS	271.000 API-N

Century

GOR 8807 GAMMA-NEUTRON

COMPANY		RUN NUMBER	
WELL	GOR 8807 GAMMA-NEUTRON	DATE RECORDED	
FIELD/WILDCAT/LEASE	GOR 8807 GAMMA-NEUTRON	LOCATION	
COUNTY			
STATE	NO FILM RECEIVED		
SECTION		CONTRACTOR	DEPOT

TOWNSHIP	TD DRILLER	0 FEET	BOREHOLE RECORD
RANGE	TD LOGGER	0 FEET	BIT #1
PERMANENT DATUM	CASING DRILLER	0 FEET @ 0	FROM
LOG MEAS. FROM	CASING LOGGER	0 FEET @ 0	TO
DRILL MEAS. FROM	BOTTOM LOGGED INTERVAL	0 FEET	BIT #2
ELEVATION	TOP LOGGED INTERVAL	0 FEET	FROM
	TYPE FLUID IN HOLE		TO
K.B.	SALINITY	PPM	
D.F.	DENSITY	LB/GAL	RM @ MEASURED TEMP
G.L.	LEVEL		RMF @ MEASURED TEMP
DATE	SOURCE OF SAMPLE		RMC @ MEASURED TEMP
RUN NUMBER	RM @ MEASURED TEMP	@ °F	SOURCE RMF/RMC
TYPE LOG	RMF @ MEASURED TEMP	@ °F	RM @ BHT
DEPTH DRILLER	RMC @ MEASURED TEMP	@ °F	TIME CIRC.
DEPTH LOGGER	SOURCE RM @ T		TIME LOGGER ON BOTTOM
BTM. LOG INTERVAL	RM @ BHT	@ °F	MAX. REC. TEMP.
TOP LOG INTERVAL			EQUIP. LOCATION
CASING DRILLER			RECORDED BY
CASING LOGGER			WITNESSED BY

REMARKS: GAMMA RAY
TOOLS USED NEUTRON/GAMMA RAY

TOOLS USED	TYPE	SERIAL NO.	STANDOFF
1 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
2 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
3 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
4 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
5 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
6 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
7 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH
8 NEUTRON SONDE	NEUTRON	8 INCH	8 INCH

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CONFIDENTIAL

QUINTETTE COAL LIMITED
1988 GEOLOGICAL REPORT
TRANSFER, GRIZZLY, PERRY CREEK , MARMOT AND WOLVERINE VALLEY SOUTH AREAS
~~ADDENDUM~~ II
ADDENDUM II

Prepared by Technical Services Department
Quintette Coal Limited

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Addendum II

1988 Geological Report

Descriptive Logs

1988 GEOLOGICAL REPORT
TRANSFER, GRIZZLY, PERRY CREEK, MARMOT AND WOLVERINE VALLEY SOUTH AREAS

ADDENDUM II

Addendum II

Descriptive Logs -
Transfer and Grizzly: QHD88002 - QMD88012
Perry Creek: QPD88001 and QPD88002
Marmot: QHD88001 and QMD88002
Wolverine Valley South: QMD88003

Note: The three Addenda are supplied to the Ministry of Energy, Mines and Petroleum Resources, Victoria, B.C., only (2 copies of each). Other copies and originals are on file at the Administration Building, Quintette Coal Limited, Tumbler Ridge, B.C.

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
						QHDB8002					
						Box 1					
		4.57				Casing	15'/4.57m				
			18	4.81 06		fs } obviously OB					rubble
			6			quartzite }					"
26°		5.86	~105			ssh; hem staining thur ie oxidized; occas fossil pf (petrified wood & carb pf)					brkn
							20'/6.10m				152/129 (-23)
20°			24			ssh, as above					mostly solid
						Box 2					
25°			35			ssh, as above; grdg to crsh; occas burrows					partly brkn
			~76			crsh; hem. stain thur; fossilized pf thur; petrified woody matter occas found; hi angle frac @ base					brkn
		7.27	(6)			MS					

DRILL CORE LOG

Quinsette Coal Limited

HOLE No. QHDB8002

PAGE No. 1 of 98

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
↑	7.27		11			sh, carb i/p, grdg. to grsh; min. hem. stain					brkn
				18			25'/7.62m				152/146 (-6)
			7			sh, as above					brkn
			~38			crsh; hem. stain thruc; hi angle fracs; calc + iron oxide seen lining fracs; occas. carb. pf					badly brkn
				84		Box 3					
			46			crsh, as above					brkn
			53			ssh; crsh w v. thin wkisey vfs stringers thruc; carb i/p; hem. stain common; loc. w thin bands of pyr + calc (possibly entering the form'n after fracs occurred)					"
			(26)			MAR					
24°		9.90	~82			sh; carb pf thruc; high angle fracs w hem. stain common - frac. angle relative to BCN: nearly 90°					~ (badly brkn in spots)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 2

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 4					
24	9.90		37			crsh; carb i/p; carb pf thur; no oxidn apparent; occas hi angle frac, nearly normal to bdg					solid
29°		10.42	15			dkgrsh; coal lam to 2mm thur					"
							35/10.67m				305/278 (-29)
	10.42		89			sh; slightly carb; occas hi angle fracs; hem along fracs					semi-solid
			7			grsh; grdg to dkgrsh; hem stain along bdg surfs; v. fine lam (61 mm) of coalified pf					brkn
						MR					
ROOF	11.38		2			CP; oxidized; hem stain thur					pulverized
			22			MC					
ROOF		11.80	~18			CA; hem stain thur					"
			(1)			MR					
30							40'/12.19m				152/116 (-36)
		11.86	5			csh; hem stain along bdg surfs					brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 3

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 5									
	11.86		3	} 8		csh									solid
			21			dkgrsh									"
			15			grsh									"
30			18			dkgrsh									"
			1			csh									"
	12.44		6		3113	CA, oxid; hem. stain thru									"
			5			CB; oxid w hem. stain									"
			2			CA									solid
			11			CB									"
			3			CA									"
		12.72	1			CD									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 4

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.a.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	12.72		16			CA ; occas. hem. stain									solid
		12.92	(4)			MC									
	12.92		5			sh ; slightly carb									"
		12.98	(1)			MR									
	12.98		(5)	8		MC					44/13.41				122/112 (-10)
			(3)			MC									
			2			CC									solid
			35			CA ; hem. staining thur									"
			2		3113	clth.									"
			2			CA ; hem stain thur									"
	13.47		7			dksh ; fine coal lam. to 2mm thur									"
30°		13.63	9			dkgrsh									"
			3			CC									brkn
			(3)			MC									
			2			CA									solid
		13.73	2			CB									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
(30)	13.73		13		3113	CA, occas hem stain					mostly solid
FLOOR		13.92	6			oc					"
			~9			csh					broken
			(4)			MR					
						Box 6					
26°			20			dksh ; fine coal lam. thruc					solid
			33			dkgrsh					"
				38			49'/14.94				153/145 (-8)
			5			dkgrsh grdg to dksh					pulverized
			(11)			MR					
			53			grsh; lac grdg to dkgrsh; occ pf thuc					partly broken
			4½			ssh ; frac; abund. hem. stain thuc; possible fault zone.					badly brkn. bottom 10cm
		15.86	13			csh ; calc lines hi angle fracs.					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 6

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 7									
	15.86		24	37		crsh, as above									solid
			(9)			MR									
											54/16.46m				152/141 (11)
(26)			47			grsh; carb pf thur; hem lines hi angle fracs									solid, brkn @ bottom
			(10)			MR									
		16.78	2			csh									brkn
ROOF	16.78		(10)			MC									
			3			CA									mostly solid
			5			CB									"
(35)			19			CA									"
			5		3114	CB									"
			3			CB									"
		17.32	6			csh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 7

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	17.32		2			CD									partly brkn
					3114										
			4			CA									"
		17.48	10			CB									brkn
			2			CD									"
			3			csh									mostly solid
35°			15			CD									solid
	17.68	17.75	7		3115	csh									"
	17.75		2			CA									"
			5			CB									
											59/12 98				152/140 (-12)
60° 11		18.02	(23)			MC									
	18.02		11			csh									brkn
		18.18	(5)			MR									
						Box 8.									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 8

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	18.18		2			cc									mostly solid
		18.22	2			csh.									"
			9			grsh									solid
			4			CB									partly brkn
(35)															
			4			dkgrsh.									"
			(50)			MR									
			4			CB									pulverized
			6			grsh									mostly solid
			6			dkgrsh; hem. stain along hi-angle fracs									"
		19.28	23			grsh; carb pf thuc									brkn @ top; rest mainly solid
											64/195/m				153 71 (-82)
	19.28	19.68	~40			grsh; occas coal lam to 5mm thuc; high angle fracs w hem. stain									brkn badly
↓															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB002

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
↑	19.68		~ 50			csh, loc carb; hem stain thruc; frac'd					badly bkn
			(20)			MR (coaly) Box 9					
			~ 10			csh, as above					pulverized
			~ 45			vfs, grdg to sstn; carb i/p; badly frac'd thruc w hem staining					
	20.92.		(10)			MR					
			3			sh; slightly carb; occas carb pf, devoid of fracs & hem stain					solid
							20'/21.34m				$\frac{183}{148}$ (35)
			53			csh, coarsening down; grdg to sstn; occas carb pf					solid
11°			73			vfs; interbdd sstn; occas carb pf					
				94		Box 10.					
			21			vfs, as above					solid
↓		22.56	(3)			MR					
							75'/22.86m				$\frac{152}{147}$ (-5)

27.42

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 10

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
6°	22.56		147			vfs, as above; bioturb l/p					solid
							90'/24.38m				152/147 (-5)
12°			24			vfs, as above					"
						Box 11					
			131			vfs, interbdd ssh, min interbdd fs; bioturb; calc. fills fracs from 41-131 cm; fracs typically at a low angle/parallel bdg, however, certain fracs @ higher angle to bdg. BCN's appear to incr going downwards in this box					solid
FAULT ZONE											
22°				160							
							95'/25.91m				153/155 (+2)
			29			vfs; highly frac'd & deformed; s/s; calc-filled fracs thruc in a chaotic network - FAULT ZONE					solid
			6			grsh, silty l/p; carb. FAULT GOUGE					pulverized
			5			NR					
47°		26.08	10			vfs; highly frac'd & deformed, as above					solid

25 89

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 11

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
↑	26.08		12			sh, carb l/p; calc. filled fracs thro; highly deformed					solid
			20			vfs, bioturb, calc-filled fracs thro; noticeably faulted & deformed, carb l/p					"
						Box 12					
			65	91		vfs, as above; chaotic network of calc-filled fracs, hem staining common; fault zone					solid
							90/2743a				152/142 (-10)
			6			vfs, as above					solid
			63			ssh; sparse calc-filled fracs in top 18cm only; carb slightly; bioturb					"
33°		28.48	74			vfs; interbdd ssh; bdg is v. nearly obliterated by bioturb; occas carb pf; calc. fills fracs in bottom 2cm only.					
↓						Box #3					

28.29

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact	MARKER rec rad dob	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
↑	28.48		13			vfs; carb root remains, bioturb; occas calc-filled fracs.					solid
				47			95'/28.96 m				153/156 (+3)
			34			vfs, as above; calc. fills fracs top 13 cm					solid
			43			ssh; bioturb; loc carb					"
			6			vfs; interbdd ssh, bioturb					"
			43			ssh, hem lines hi angle fracs, occas carb pf					"
32°			20			vfs, carb. coal matter; calc fills fracs thru					"
			(6)			MR.					
							100'/30.48				152/146 (-6)
↓			~40			vfs; interlaid ssh; bioturb; occas calc-filled fracs, hem staining thru; occas carb pf					brkn
				79		Box 14					
22°		30.92	39			vfs; hem stain along fracs thru; possib. oxid. pyr; grdg to ß; interbdd ssh; occas carb pf					solid

30.67

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 13

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec rad dob	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
↑	30.92		78			ssh; carb i/p; occ interbdd vB, bioturb; hi angle fracs lined w calc thru thur									brkn
											105/3200 m				152/157 (+5)
			(10)			MR									
20°			81			crsh; carb i/p									solid
↓															
↑						Box 15									
12°			51			crsh, as above									"
			11			ssh, bioturb; carb pf thur									"
				48							110/3353 m				153/143 (-10)
			37			ssh; carb pf thur									solid
			40			crsh; incr carb									"
↓			10			sh, carb i/p									"
(19°)		3430	20			grsh; carb pf thur									brkn

23.95

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 14

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	34.20		34			sh; carb i/p, loc. silty; v. thin (~ 1/20 mm) whispy calc. common top 8 cm.					mostly solid
						Box 16					
74			19			grsh; carb pf thur; loc. silty					solid
				55			115/35.05 m				152/160 (+8)
			36			grsh, as above					solid
		35.24	5			dkgrsh; incr. carb					brkn
19[6]			41			grsh; carb plant fossils thur					solid
	35.24	35.76	11			dkgrsh					solid
	35.76		3		3116	cc					brkn partly
(18)			15			CA					solid
			4			cc					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 15

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. rad dob	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
			5			CB									solid
			16			CA									"
			(5)			MC									
											120/36.58 m				153/136 (-17)
			6		3116	CB									partly broken
			18			CA									"
						Box 17									
			6			cc									solid.
45°		36.56	2			CA									"
	36.56		3			CSlt									"
			7		3117	dksh; coal lam. to 5 mm; mm pyr. along hi-angle frac									"
			4			CD									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 16

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
			6			cc									pulverized
			13		3117	csh ; minor pyr									partly brkn
			20			CD, grdg to csh ; minor pyr thur									mostly solid
			(13)			MB									
	37.22		20			CA									brkn
			5			CB									"
			24			CA									"
			(5)	69		MC									
(16)											125/38.10m				152/134 (-18)
			(64)			MC									
			~20		3118	CA, grdg to CB									badly brkn to pulverized
						MC									
			1			csh									solid
		38.90	29			CA									
						Box 16									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 17

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m il	FRACTURE TYPE AND CHARACTERISTICS
					3118										
(18)	38.90	38.92	2			CB									brkn partly
			6			dkgrsh									solid
			2			CA									pulverized
					3119										
19			5			drsh									solid
			18			grsh, occ pf thuc									"
	39.23		4			cc; trace pyr									mostly solid
											130'/39.62m				152/87 (-65)
			2			csh									pulverized
					3120										
			4			cB									brkn
			5			CA									solid
		39.41	3			CB									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 18

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	39.41		16			CA									mostly solid
			2			CC									"
	39.69	39.67	8			dksh									"
			~15			CB; oxidized, hem stain thur									v. badly brkn
			(22)			MC									
			6			CA									pulverized
	40.10		5			dkgrsh									badly brkn
(19)															
			2			CB									pulverized
					3120										
		40.19	2			csh									badly brkn
			17			CB; frac'd w/ iron oxides along frac surfs									pulv. to badly brkn
		40.43	(6)			MC									
	40.43	40.51	9			dksh; hem stain thur									brkn
	40.51		8			CB									v. badly brkn
		40.64	(5)			MC									to pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 19

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
											134.5'/41.00 m				138/704 (-34)
	40.64		3			CA									badly brkn
			(9)			MC									
			7			CB									"
			1		3120	csh									"
			8			CA; oxid w/ hems thruc									"
(19)						Box 19									
		40.96	4			CB									partly brkn
	40.96		10			csh; hem staining thruc									"
			5		3121	CD									"
			(6)			NR									
			14			csh									brkn to pulv.
		41.41	10			CD									mostly solid

51

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 20

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
(19)	41.41		2		3121	cc									brkn
			(2)			Mc									
		41.51	6			cB; hem stain thur									"
	41.51		5			dksh									"
			11			dkgrsh									mostly solid
			16			grsh; abund carb pf thur									solid
(17)			6			dkgrsh									brkn
	41.94	41.94 42.00	(5) (1)			MR Mc									
			10			grsh, as above									"
			(8)			Mc									
											39.5/42.52m				152/118 (-34)
			63			sh; carb i/p; fracd w/ calc; +/- pyr found coming fracs; loc grdg to crsh; carb pf thur									solid mostly
						Box 20									
	[redacted]		6			crsh									pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 21

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
			5			dkgrsh					pulverised
			(15)			MR					
ROOF	43.07		~20			sh; loc. carb					"
			10			crsh					"
			(7)			MC					
			4			dkgrsh					"
FLOOR		43.58	(10)			MC					
	43.58		~9			crsh, as above					"
		43.77	(10)			MR					
							144.5/44.04m				152/117 (-35)
	43.77	43.84	(7)			MC					
		44.56	72			sh; loc. silty; slightly carb; occas hi angle fracs lined w/ calc + hem					pulv @ top & bottom
	44.56		19			crsh; carb i/p					solid
17°			11			ssh; hi-angle calc-lined frac. w/ hem staining					"
		45.25	39			crsh; calc + pyr fills hi angle frac; slightly carb; loc. gradg to ssh					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 22

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 21									
	4525		7	46		crsh, as above									brkn
											150/4572m				168/148 (-20)
(17)															
			64			crsh; carb i/p; high angle fracs w/ hem stain; loc w/ abund pf thur									mostly solid
22°			63			ssh; coarsening down; slightly carb									solid
			31			vfs; bioturb obliterates bdg.									"
											155/4724m				152/158 (+6)
			20			ssh; totally bioturb; occas. burrows filled w/ fs.									solid
(39)															
			16			vfs, grdg to ssh; bioturb; high angle pyr-lined frac; partially oxid. to hem; occas. carb. pf									"
						Box 22									
		47.45	19			ssh; m.a. pyr.; bioturb; carb pf thur									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 23

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
39°	47.45		1.02			fs; lam. of ssh. thur; typically w/ carb plant remains along lam; calc +/- pyr fills fracs that typically are nrly norm. to bdg but occas locally follow bdg.					solid
				1.79							
							160/48.77m				153/157 (+4)
			77			fs, as above; bioturb thur					solid
						80x23					
39°			78			vfs; interbdd ssh, loc grdg to fs; occas carb pf, bioturb; occas calc filled fracs					solid
				93							
							165/50.29m				152/155 (+3)
			15			vfs, as above					solid
			36			fs, grdg to vfs; carb lam thur; bioturb; carb pf thur; hi angle fracs w/ hem. stain; 4cm oxid envelope					
34°		50.75	22			vfs; interbdd ssh; bioturb i/p; occas carb pf					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 24

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
(34)	50.75		41			fs; interbdd vfs & ssh; carb lam thru, occas hi angle fracs; 3cm weathered envelope (hem stain)									solid
			16			ssh, gridg to vfs; slightly carb:									"
			7			vfs; interlaid ssh.									"
						Box 24									
			6			ssh; bioturb; carb pf thru									solid
			11			vfs; carb i/p									
				12							170/51.82m				153/148 (-5)
			1			vfs, as above									solid
			9			ssh; bioturb, carb i/p									"
15°			23			fs, gridg to vfs; carb lam thru									"
		52.21	38			vfs; loc gridg to ssh; carb i/p w/ occas carb pf									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 25

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
(15)	62.21		48			fs, as above; occas hi angle fracs w/ 1.5 cm hem-stained on either side of frac.					solid
			14			vfs; interbdd ssh & csh; carb i/p					"
25°			24			ssh; loc gradg to vfs; carb i/p					"
				56			175'/53.34m				152/157 (+5)
			12			ssh, as above					solid
			16			vfs; carb pf thur; bio turb					"
						Box 25					
27°			140			csh; carb i/p					solid
							180/54.86m				152/168 (+16)
		55.54	79	91		ssh; bio turb, slightly carb; trace pyr.					solid
						Box 26					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 26

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
(27)	55.54		18			SSh, as above									brkn
		55.79	(7)			MR									
	55.79		38			sh; lee silty; slightly carb									"
				79							185/56.39 m				153/135 (-18)
23°			41			sh, as above									solid
	56.68		0			CC									"
			1			csh									"
			4			CC									"
			4			CA									"
			8		3122	CB									"
			5			CA									"
			15			CB; dull lustre									"
		57.06	5			CC									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 27

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR.	FRAC/m bd	FRAC/m ll	FRACTURE TYPE AND CHARACTERISTICS
	57.06		14		3122	CB									solid
		57.60	40			CA									partly brkn
											100%/57.94				152/143 (-9)
						Box 27									
	57.60.		4		3123	ash									solid
			13			dkgrsh									"
(23)															
		57.78	1			csh									"
	57.78		8			CB									"
			24			CA									basically solid
			2		3124	CB									"
			16			CA									"
		58.33	5			CB									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 28

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	58.33		2			CA									brkn
			~~7~~ 6			CB									"
			20			CA									solid
			~~8~~ 4			CB									brkn.
			4			CA									"
(23)			2		3124	CD									"
			1			csh									"
			1			crsh									"
		58.78	5			CA									"
	58.78		33		3125	ssh ~~crsh~~ carb l/p									solid
(25)		59.13	2			csh									pulverized
											195/5944m				153/155 (+2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No QHD88002

PAGE No 29

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.a.d. d.o.b.	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	59.13		10		3126	CA									badly brkn @ bottom
			2			CB									partly brkn
			3			CA									"
			2			CB									"
			18			CA									"
				39		Box 28									
			21			CA									Solid; brkn @ v. bottom
25°			5			CB									Solid
			4			CA									"
			7			CB									"
			15			CA									pulverized
		60.18	(18)			MC									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 30

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	60.18		3			dksh									brkn badly
			1			CA									"
(25)															
			3		3127	csh									mostly sand
		60.33	8			dkgrsh									"
	60.33														
FLOOR		60.39	6			CA powder									pulverized
			(8)			MR									
			1			CD									solid
			1			csh									"
(21)			2			dksh									"
			12			dkgrsh									"
				16							200/60.96				152/125 (-27)
			4			dkgrsh									brkn
		60.69	2			csh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD85002

PAGE No. 31

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b.	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	60.69		5			dkgrsh									brkn
			3			csh									partly brkn
		60.82	5			dkgrsh									"
						MR									
	60.82	60.84	2			csh									brkn
	60.84	60.86	②			MR									
	60.86	60.92	~6			cc									brkn badly
21°	60.92		60			vfs; carb. pf thuc; loc. gidg to fs									solid
				84		Box 29									
		61.76	24			vfs; interbdd ssh; carb i/p.									solid
	61.76														
			9			fs; carb lam thuc									"
20°			12			ssh; carb i/p; interbdd vfs									"
		62.21	24			fs; carb pf thuc; min. interbdd vfs									"
											205/62.40m				152/156 (+4)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 32

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
				46							
(20)	62.21		22			fs, as above; grdg to vfs in bottom 6 cm; trace pyr					solid
			27			crsh; carb i/p; pyr lines hi angle frac					mainly solid.
			88			fs; occas. hi angle fracs filled w/ calc; carb lam thru					solid.
				94		Box 30					
			6			fs, grdg to vfs, as above					solid
			(5)			MB	210/64.01				153/143 (-10)
23°			134			fs, as above; loc grdg to vfs; gen flaing down; carb pf thru. espec in bottom 70 cm.					solid
			10			vfs; grdg to ssh; carb i/p					"
			15			crsh; carb i/p; abund carb pf thru					partly brkn
							216/65.53m				152/159 (+7)
			(14)			MB					
		65.56	14			crsh, as above					mainly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 33

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact	MARKER rec rad dob	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	65.56		10			ssh; occas carb pf					solid
			17			vfs; interbdd carb sh					"
				92		Box 31					
			25			vfs; interbdd ssh; carb pf thur					solid
(23)			56			fs; carb pf thur; ssh lams thur					"
			17			vfs; interbdd ssh, as above					"
							220°/67.06m				153/139 (=14)
			19			ssh; bioturb; carb i/p					solid
			7			crsh; carb i/p					"
(32)			6			sh; carb pf thur					"
		67.23	10			grsh					solid top 3cm; badly brkn to pulverized at bottom

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 34

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	67.23		10			dkgrsh, incr carb					basically solid
			26			sh; carb pf thur					"
			14			grsh; carb pf thur					solid
				17		Box 32					
			3			grsh, as above					brkn
32			17			sh; carb i/p; loc silty					solid
			26			fs; carb pf thur					"
			12			vfs; interbdd ssh; carb pf thur;					"
			4			ssh; carb i/p					"
FAULT ZONE							225/68.58m				152/154 (+2)
			(8)			MR					
		68.59	~16			grsh; extremely deformed; occas. coal lam.; s/s thur; shear zone					brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 35

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
32°	68.59		44			crsh ; carb pf thuc					solid
			4			grsh					"
			11			sh ; carb i/p , abund carb pf thuc					"
			17			crsh , carb i/p					"
			35			vfs , grdg to sslt ; carb i/p ; bioturb					"
						Box 33					
			17	59		vfs , as above					solid
							230°/7010				152/144 (-8)
			7			vfs , as above					solid
23°			53			fs ; interbdd vfs & sslt ; carb lam thuc					"
			17			ms ; grdg to fs ; calc fills hi angle frac					"
		70.76	11			vfs , grdg to fs ; hem stain along hi angle frac ; carb lam					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB002

PAGE No. 36

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec cod dob	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	70.76		12			ms, as above					solid
(23)			5			vfs; ssh. lam. thuc					"
X			6			ms; abund. crsh. rip-ups thuc					"
			37			vfs; interbdd fs & ssh.					"
			8			fs; interbdd vfs, occas. carb. lam.					"
				28			735/21.63m				153/156 (+3)
			20			fs, as above					solid
			14			vfs; interbdd ssh; carb pf thuc					"
						Box 34					
			18			vfs, as above					solid
			22			ssh; occas. interbdd fs, carb i/p					"
26°		72.44	27			fs; fining down; gdg to vfs; carb. lam. thuc.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 37

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact	MARKER rec rad dob	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	72.99		12			vfs; interbdd ssh; carb pf thur					solid
(26)			14			fs, as above					"
			4			vfs; lcc grdg to fs					"
			9			crsh, carb i/p					"
			2			vfs					"
(25)			8			crsh; slightly carb.					"
				10			24a/73.15m				152/152 (0)
			2			crsh, as above					solid
			21			ssh; occas carb pf					"
			38			crsh					partly brkn
			5			vfs; interbdd ssh; occas carb pf					solid
		73.89	30	↓		ssh; carb i/p					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 38

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 35					
	73.89	74.01	12	42		sh. as above					solid
											"
25°	74.01		52			crsh					
				55			245/74.68				153/160 (+7)
			3			crsh, as above					brkn badly
			25			grsh					solid
		74.95	14			crsh, occas carb pf					"
	74.96		14			CB					badly brkn
			8			CB					brkn.
			12			CA					partly brkn.
			2		3128	CD					"
		76.37	6			CB					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 39

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	75.37		6			CA									pulverized
			(36)			MC									
			2			CD									brkn
			6			dksh									partly brkn
			2			CC									"
(25)			4			CB									pulverized
			7			CC									mostly solid
			5			CB									"
					3128										
						Box 36									
											250/76 20m				152/116 (36)
				22											
			11			CB									v badly brkn
			6			CB									partly brkn
		76.24	2			CA									"

75.75

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 40

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	76.24		6			CC									partly brkn
			5			CA									"
			7			CB									"
			26			CA									solid
			7			csk									"
(25)															
			3			CA									badly brkn.
			4		3128	CB									mostly solid
			10			CA									"
			6			CB									brkn badly
			2			csk									"
			5			CB									"
		77.22	17			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 41

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	77.22		11			CB									v. badly brkn
			(6)			MC									
			6			CSh									"
			8			CB									brkn
			2			CD									"
(25)			3			CC									"
			10			CB									badly brkn
					3128	Box 37									
			7			CA									brkn
			2			CD									"
			12			CA									"
			4			CB									badly brkn
		77.97	4			CC									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 42

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	77.92		2			CD									brkn
			4			dkgrsh									"
			16			grsh									partly brkn
			6			sh;carb l/p									"
			8		3129	dksh									"
			13			grsh									brkn
(25)			6			dksh									badly brkn
	78.52		3			CA									pulverized
			(7)			MC									
			4			dksh ;abund pyr thin (approx 40-50% by vol)									badly brkn
			(8)		3130	MC									
			15			CA									brkn badly
		79.07	18			CB									solid
											260/29.25 m				3.05 / 281 (-24)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 43

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m if	FRACTURE TYPE AND CHARACTERISTICS
					3130 ↑						
25	79.07	79.10	3			cc					partly brkn
	79.10.		5			grsh					"
			7			dkgrsh					"
			25			grsh, carb pf thinr, loc. silty.					mostly solid
				39		Box 38					
		79.61	14			grsh as above; extensiv. sheared; calc fills wispy fracs					brkn
19											
	79.61										
			19			sh; fissile, carb i/p					"
			6			grsh					"
			4			cc					pulverized
			9			dkgrsh					brkn to pulv.
		80.04	5			grsh					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 44

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m ji	FRACTURE TYPE AND CHARACTERISTICS
	8604		12			crsh; calc. fills hi angle fracs; loc. sandy					brkn
19°			33			ssh; occas. carb pf; occas calc-filled hi angle fracs					mostly solid
			56			crsh: slightly carb; loc sandy					partly brkn
			6			ssh, gridg to vfs; slightly carb					solid
			24			fs; calc fills hi angle fracs; carb @ top 15cm					"
						Box 39					
			58			fs, gridy to ws, calc fills hi angle fracs, massive; bdg indistinct					solid
(20)											
							270/8230				305/286 (-19)
			160			fs, as above					"
						Box 40					
		8361	8			fs, as above					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 45

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact.	MARKER rec r.a.d d o b	STR	FRAC/m bd	FRAC/m lf	FRACTURE TYPE AND CHARACTERISTICS
							275/83.82m				152/168 (+16)
	83.61		150			fs, as above					solid
							280/85.34m				152/150 (-2)
			47			fs, as above					solid
						Box 41					
			110	109		fs, as above; accas; carb lam					solid
							295/89.87m				153/157 (+4)
20°			100			fs, as above; carb lam @ 23cm; trace pyr					solid
						Box 42.					
↓		88.20	52			fs, as above					mostly solid
							290/88.39m				152/152 (0)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 46

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact.	MARKER rec rqd dob	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
18°	88.20		~1.40			fs, as above, heavily ~~veined~~ @ 40-99 cm ; calc. cement					broken
							295/89.92m				153/140 (-13)
						Box 43					
			88			fs; grdg to ms; calc cement; salt & pepper; occas ki angle fracs; rare carb lam., massive					solid mostly
				312			300/91.44m				152/88 (-64)
10°			100			fs, as above					"
						Box 44					
			124			fs, as above, carb lam. incr'ly common					solid
							305/92.96m				152/224 (+72)
16°		93.69	87			fs, grdg to ms; calc.-filled fracs thruout ; 15-22cm = high conc. of Fe-stained bands, possibly sideritic ; occas carb lam.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No QHD88002

PAGE No 47

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. rad dob	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
						Box 45					
	9359		68			fs; rare calc-filled fracs; grdg to ms, massive					solid
							310/94.49m				153/155 (+2)
24°			147	225		fs; carb & Fe-stained lam. thur; occas carb pf					solid
						Box 46					
			10			fs, as above					
							315/96.01m				152/157 (+5)
16°			~145			fs; loc w/ abund. carb lam.; Fe-stained clay bands; heavily fracd @ bottom 20cm w/ calc. & apparently graphite filling fracs. Fault Zone?					brkn, badly c/p
							320/97.54m				153/145 (-8)
21											
		97.57	28			fs, grdg to ms, heavily fracd thur w/ calc + graphite cementing fracs; brecciated					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 48

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 47					
	97.57		126			fs, as above; heavily frac'd top 35 cm; each lam & clay bands are a potential weak layer along which slippage can occur; s/s often along these horizons					brkn
							325/99.06m				152/154 (+2)
21°			71			fs, as above; abund. crsh rip-ups 15-45 cm					partly brkn
				324							
						Box 48					
			87			fs; bioturb; crsh rip-ups common in top 40 cm; sand has distinctive pale olive-green weathrd colour from 40-87 cm; possib glauconitic					solid
							330/100.58m				152/156 (+6)
			12			fs; loc. grdg to vfs. calc fills hi angle fracs; fining down; pale olive-green weathrd colour as above					brkn
↓											
↑		100.55	2			crsh					"
22											

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 49

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec'd d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	100.65		1			fs, as above					solid
			7			vfs; bioturb; abund. trace fossils thro'					"
			9			fs; occas. ersh rip-ups; bioturb; occas trace fossils as above					"
			7			vfs, grdg to fs; bioturb					"
			~ 8			crsh, grdg down to ssh					brkn badly
22°			47			vfs; occas. interbdd fs; occas. carb. lam; generally massive					mainly solid
			7			crsh; rare carb pl					badly brkn
			14			vfs, as above					solid
				50		Box 49					
↓		101.97	36			vfs, grdg to fs; massive					solid
							335/102.11 m				153/156 (+3)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 5a

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
↑	101.97		14.8			fs, massive, occas. carb. lam.; min. carb pf locally.									solid
											340/103.63 m				152/148 (-4)
				16.3											
			1.3			fs; interbdd vfs; occas carb lam; occas carb pf									brkn
						Box 50									
			2			fs, as above									solid
			1.8			vfs, massive; bioturb									"
21															
			9			fs									"
			8			vfs; min interbdd fs									partly brkn
			4			ssh									brkn
			11			fs; massive									solid
		104.42	3.2			ssh, grdg to vfs; large (5x3cm) iron-stained concretions w/ min. pyr @ 8-11cm.									semi-solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 57

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
21°	104.42		5			fs; bioturb; occas. carb. lam.									solid
			34			ssh; bioturb; massive									mostly solid
			14			fs, grdg to vfs, bioturb thruc									"
			11			vfs; extensiv. bioturb.									"
											345'/105.16m				153/161 (+8)
			6			crsh									brkn.
			~60	57		ssh, grdg to vfs									"
				132		Box 51									
			~78	75		ssh, grdg to vfs; crumbly; occas hi angle fracs									semi-solid
			~15			vfs; calc fills hi angle fracs									brkn
				73							350/106.68m				152/159 (+7)
		107.17	~60	58		vfs, grdg to ssh; occas calc-filled fracs; breaks easily to rubble									badly brkn.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 52

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	107.17		7			ssh.; 1cm iron-stained horiz @ 4-5 cm									brkn
			16			vfs									"
			24			ssh.; interbdd vfs; rubbly									"
				50											
(21)						Box 52									
			26			ssh, as above, grdg to vfs									brkn
			12			vfs; 1cm hem-stained clay band 6-7cm									partly brkn
			11			ssh; min. interbdd vfs									badly brkn
				51							355'/108.20 m				152/156 (+4)
			40			ssh; loc grdg to vfs									brkn
			3			ersh; hem stain on weathrd surf; slightly carb									badly brkn
			46			ssh; interbdd vfs; crumbly									brkn
(17)		109.12	10			vfs; olive green (pale) weathrd surf; massive									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88002

PAGE No. 53

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
17°	109.12		27	37		vfs; interbdd ssh, occas hem-stained clay bands					brkn
			17			ssh, g rdg to vfs; crumbly					"
							360/109.73m				153/143 (-10)
				169		Box 53.					
			160 152			ssh; interbdd vfs; grdg to vfs; bioturb; crumbly					totally crumbled
							365'/111.25m				152/160 (+8)
			2			vfs					brkn
20			5			ssh, as above					crumbled
			9			vfs; bioturb					solid
			27			ssh; as above					tot. crumbled
				104		Box 54					
		112.20 112.83	77			ssh, as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 54

BCN	From	To	Apparent	True	SAMPLE NO.	Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	112.28 ~~112.33~~		6			vfs; min. interbdd ssh; bioturb									solid
			6			ssh, as above									crumbled
20°			18			vfs; hi angle frac.									solid
				62							370'/112.78m				153/150 (-3)
			44			vfs, grdg to ssh; interbdd ssh; bioturb; calc. occas. seen along bdg planes.									mostly solid
			~~50~~ 48			ssh, grdg to vfs; crumbly									totally crumbled
						Box 55									
			~~62~~ 68	124		ssh, grdg to vfs; loc. rock consists of concentric spheroids - pellaids?; spheroids to 1.5 cm; bioturb, interbdd vfs; hi angle fracs filled w/ calc + oxid pyr.									"
											325/114.30m				152/156 (+4)
↓		114.26 ~~114.31~~	18			ssh, as above; crumbly; spheroids absent									crumbled

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 55

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d. d.o.b.	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	114.26										
21°	114.37		~120			vfs, interbdd ssh, bioturb					brkn c/p
						Box 56					
			15	163		vfs; calc lines hi angle frac					solid
							380/115.82 m				152/153 (+1)
			28			vfs, as above					solid
			30			vfs, loc gridg to ssh; bioturb thurr; hi angle fracs					brkn
23°			112 170			vfs; min. interbdd crsh; calc fills chaotic network of fracs from 15-21cm and 60-85cm; loc gridg to fs, bioturb					brkn
				190							
							385/117.38 m				153/170 (+17)
			10			vfs					"
						Box 57					
26°		118.79	~140	199		vfs, interbdd crsh fssh; extensiv frac. from 30-60 w/ calc +/- pyr filling fracs					broken c/p

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 56

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
											390/118.87m				152/150 (-2)
	118.79		59			vfs, as above; occas interbdd fs									partly bitu
			7			fs; bio turb; min. pyr									solid
						Bov 58									
26			~15			ssh; concentric spheroids thruc									totally cemented
			15			fs, as above									mainly solid
			7			vfs; interbdd ssh									"
			12			sh; fissile, slightly carb i/p; loc. silty									totally crumbled
			12			fs, grdg to sis; crsh rip-ups & lenticular bds thruc; trace pyr									solid
28		120.31	25			vfs; calc lines hu angle fracs									"
											395/120.40m				153/152 (-1)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 57

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
28	120.31		90			vfs, generally massive; interbdd ssh top 10cm; top 10cm also bioturb; calc lines hi angle fracs					solid
			19	140		vfs; thoroughly bioturb; gradg to fs; bdg is obliterated; carb pf thruc, trace pyr					partly brkn @ top, rest solid
						Box 59					
			6			vfs, as above					solid
			5			ssh, bioturb, vfs-filled horiz burrows (~1mm ø) thruc					basically solid
			12			fs; thoroughly bioturb, burrows filled w/ ssh					"
			5			ssh, as above					brkn
			16			fs, gradg to vfs, generally coarsening down					solid
				25			400/12192 m				152/153 (+1)
		121.93	9			fs; calc fills fracs, occas crsh rip-ups					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 58

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	121.93		5			vfs; extensiv. frac.; calc-filled fracs & vugs are largely dissolved, good vuggy porosity									solid
(28)			8			fs, grdg to ms.; calc fills fracs, i/p dissolved away									"
			18			vfs; lam's of sh from 13-18 cm; bioturb; calc. fills hi angle fracs.									"
			27			cgl; well-rounded pebs to 15 cm:, occas. sshy lam's; calc-filled fracs largely dissolved leaving good frac porosity *(Calc may actually be siderite; calc is pale orange in colour)									basically solid
			18			fs; calc/sid fills hi angle fracs									solid
			11			ms; coarsening down & grdg to cs									"
			3			v. cs.; pebbles to 0.5 cm thick									"
27°			13			ms, grdg to fs; carb. lam thick									"
		12302	6			cgl; pebbles to 0.75 cm									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	123.02		11			v. cs									solid
			28			cgl, pebs to 15cm									"
						Box 60									
				61							405/123.44m				152/157 (+5)
27			33			cgl, as above									solid
			14			ms									"
↓			~40			cgl, pebs generally ≤ 0.5 cm									broken
25°			~38			fs, grdg to ms; chert pebs to 0.5cm flt'g thru; hi angle calc/sid-filled fracs									"
				109							410/124.97m				153/125 (-28)
↓		125.37	.71			fs, as above									partly broken
						Box 62 61									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 60

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	125.37		30			ms; quartz pebs to 0.75cm flty thuc					solid
			10			cgl; pebs to 1cm					"
			56			fs, grdg to ms, massive					"
				172			415/126.49m				152/167 (+15)
26°			116			fs, as above; occas hi-angle calc-filled fracs; occas flty chert pebs to 0.5 cm					solid
No Box 62						Box 63					
			32			ms; calc fills fracs thuc; fracs are discontinuous					solid
				104			420/128.02m				153/148 (-5)
22°			72			ms, as above; loc grdg to cs; coarsening down					solid
			15			v. cs; calc fills fracs thuc					"
		128.92	24			cgl; bands of cgl to 5cm; generally ≤2cm w/ interbdd cs; calc fills fracs thuc					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 61

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec rad dob	STR.	FRAC/m bd	FRAC/m ll	FRACTURE TYPE AND CHARACTERISTICS
	128.92		14			u cs									solid
(22)			30			ms, grdg to fs; chaotic network of calc-filled fracs in top 8cm; occas dkg chert pebs to 0.5cm									"
											425/129.54m				152/155 (+3)
			16			fs, grdg to ms; massive									solid
				50		Box 6#									
			34			fs, as above									solid
26°			67			ms; loc grdg to cs									"
			22			cgl; pebs to 1.5cm, generally ≤0.5cm; interbdd v. cs									"
(29)		130.88	13	↓		cs									"
											430/131.06				152/136 (+16)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 62

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	130.88		23	83		cs; occas calc-filled fracs					solid
			47			v. cs; grdg to cs; cgl'itic bands thur					"
			7			ms					"
						Box 65					
29°			77			ms, loc grdg to cs, cgl band 42-46 cm; hi-angle calc-filled fracs thur					solid
							435/132.59m				153/154 (+1)
				231							
			38			ms, loc grdg to cs; crystalline calc lines fracs					"
							436/132.89m				30/38 (+8)
			73			ms; occas sltg pebs to 2cm; calc. fills fracs thur; generally massive					"
						Box 66					
↓		133.89	36			ms, grdg to fs, as above					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No 63

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
											440/134.11m				122/109 (13)
27°	133.89		150			fs, grdg to ms; calc. fills fracs thur; massive w/ occas. fltg pebs to 1cm									solid
											445'/135.64m				153/150 (-3)
								Box 67							
14°	135.39		71			fs, as above; min interbdd sh									partly brkn
			7			grsh									"
(28)			10			dkgrsh									"
ROOF	136.27		4			csh									badly brkn
			(16)			MC									
			3			dksh									"
			4			grsh									partly brkn
		136.36	2			csh									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 64

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	136.56		12			grsh									brkn
			(20)			MC									
FLOOR		136.90	2			csh									pulverized
											450/137.16m				152/115 (-37)
	136.90		2			grsh									partly brkn
			25			fs grdg to vfs; carb pf thnr									solid
(28)			12			sh; silty l/p; carb l/p									"
			22			fs, as above									"
				82		Box 68									
			60			fs; interbdd vfs; occas carb pf									solid
			7			vfs, grdg to sh, carb pf thnr									"
		138.40	22			crsh; carb pf thnr									"
											455/138.68m				152/150 (-2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB002

PAGE No. 65

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	138.40		24			grsh ; loc silty									mostly solid
ROOF	138.64		3			dkgrsh									brkn
FLOOR		138.79	(12)			MC									
	138.79		9			crsh; carb i/p									solid
28°			61			fs, gradg to vfs: interbdd ssh, bioturb, carb pf thru									"
			1			sh slightly carb									rubbly
			14			fs, as above.									solid
						Box 69									
			32			vfs; loc gradg to fs, interbdd ssh, bioturb, carb i/p									solid
				110							460/1402				153/144 (15)
37°			78			vfs, as above, mica interbdd crsh									solid
		140.76	2			grsh, sucy, i/p									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB002

PAGE No. 66

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
ROOF															
	140.76		3			cc									brkn badly
			(25)			MC									
			3			dksh, sandy c/p									"
			6			csh									"
(37)			5			dksh									solid
											464/141.43m				122/97 (-25)
FLOOR		141.30	(12)			MC									
			6			gcsh									partly brkn
			7			ssh; jnts thuc									solid
		141.96	53			ms; carb pf thuc									"
						Box 20									
27°	141.96		87			fs; interbdd vfs loc grdg to ms; occas calc-filled hi-angle fracs									mostly solid
		142.98	9			sh; fissile; hi angle fracs									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 67

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	142.98		6			vfs									mostly solid
			4			sh, as above, loc silty									rubbly
			14			vfs, grdg to ssh									solid
			3			sh, as above									mostly solid
			15			vfs; bioturb, grdg to ssh									"
27			9			sh, as above									"
			7			ssh; bioturb									"
			6			sh, as above									"
			30			vfs, grdg to ssh; occas hi angle fracs									partly broken
						Box 71									
		144.28	33			ssh, grdg to vfs; occas carb pf									mostly solid
											474/14448.m				305/296 (-9)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8002

PAGE No. 68

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
(27)											
	144.26		24	57		ssh. as above					partly brkn
			(3)			MR					
			~125			crsh, loc. sandy; occas. hi angle fracs					brkn
							479/146.02				157/149 (-3)
				138							
						Box 72					
											solid
			13			crsh, as above					
			5			ssh, bioturb, interbdd crsh					"
(25)											
			11			vfs; interbdd ssh; calc fills hi angle frac, carb pf					"
			56			crsh; carb pf thruc					brkn
			~46			sh; loc silty; occas hi angle fracs, slightly carb					"
		147.38	29			fs, gridg to ms; min carb root remains thruc					solid
							484/147.52m				152/160 (+8)

DRILL CORE LOG

Quintette Coal Limited

HOLE No QHD88002

PAGE No 69

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
25°	147.38		38	67		~~fs~~, as above					solid
						Box 23					
30°			74			~~ms~~; carb. lam. thur					solid
			43			fs; occ. grdg to ms; occas carb lam.					"
							148.9/149.05m				153/155 (+2)
			96			fs, as above; hi angle frac thur; usually calc-filled, occas calc + graphite.					"
						Box 24					
				320							
25°			54			fs; bioturb i/p; carb lam thur; occas calc filled hi angle fracs					bitn
							149.5/150.72m				167/150 (-17)
		151.70	127			fs, as above; bottom 45cm basically massive: w/ calc-filled fracs thur.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 10

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 75									
	151.70		22			fs; massive, occas. calc filled fracs									brkn
			(18)			AIR									
											500/152.40 m				168/149 (-19)
			153			fs, grdg to vfs, mm interbdd ms; pale olive green weathered surf, occas calc-filled fracs									mostly solid
											505/153.92 m				152/153 (+1)
31°			21	233		fs; grdg to vfs, occas carb lam									solid
						Box 76.									
			59			fs; massive									"
			20			crsh; loc sandy									brkn
			4			ssh									"
		154.70	3			crsh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 71

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact	MARKER rec rad dob	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
↑	154.70		45			vfs, occas calc Allied fracs									partly brkn
											610/155.45 m				153/156 (+3)
			4			crsh									brkn
			8			vfs, as above									mostly solid
			3			crsh									brkn
32°			29			vfs, massive as above									mostly
			7			sh									brkn
			9			vfs; loc grdg to sst; occas hi-angle calc-Allied fracs									mostly solid
			11			crsh; loc sandy									brkn
				15		Box 77									
↓		155.90	4			crsh									badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88002

PAGE No. 72

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
27°	155.90		40			vfs; min interbdd crsh									mostly solid
			5			crsh									brkn
			19			vfs; calc filled fracs thruo									solid
			8			crsh; calc. fills fracs									brkn
				53							515/156.97				152/147 (-5)
			~45			crsh, loc gridy to ssh; crumbly									brkn badly
			9			vfs; hi angle frac									mostly solid
			~25			crsh, gridy loc to ssh; crumbly									badly brkn
			11			vfs, as above									brkn
			38			crsh; min interbdd ssh; crumbly									badly brkn
				60		BOX 78									
		158.12	~22			crsh; loc gridy to ssh									crumbled

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 73

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.a.d d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	158.12		4			vfs. grdy to ssh					brkn
				18			520/158.50				153/154 (+1)
			14			vfs, as above					"
											crcumbled
(27)			~60			crsh. loc. grdy to ssh. rare interbdd vfs; occas hi angle fracs; crumbly					
				250		Box 79					
			~90			crsh, as above					brkn badly
			25			vfs; interbdd crsh & ssh; calc fills hi angle fracs					"
			12			crsh, crumbly; frac'd					"
			13			vfs; loc grdy to ssh					"
↓		161.33	3			crsh					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 74

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
							530/161.54m				304/317 (+13)
↑	161.33		~50			ssh; loc. gradg to vfs					badly brkn
			~18			crsh; loc gradg to ssh					
				63		Box 80					
			45			crsh, as above.					crumbly
30°			40			ssh; abund calc-filled fracs bottom 10cms					brkn
				55			535/163.07m				153/153 (0)
			15			ssh as above					massive
			24			vfs, gradg to ssh					"
			19			ssh;					"
			12			crsh, gradg to ssh					"
			13			vfs, gradg to ssh					"
		163.92	29			ssh					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88002

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	163.92		17			vfs, bioturb occas carb pf					solid
(30)				26		Box 81					
			9			vfs, as above, ho dz burrows thruout					solid
			14			fs, massive, calc. Alls fracs					"
							340/164.58m				152/146 (-6)
			153			fs, as above					"
							445/166.1				153/153 (0)
			24	380		fs, as above					"
						Box 82					
26°			~125			fs; calc Alls fracs thruout; occas carb lams					brkn
							880/169.64m				152/149 (-3)
		167.98	64			fs; as above					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH0888002

PAGE No. 76

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 83									
26	167.98		~35			ssh; occas low angle calc-filled fracs often									
						follow [illegible]									brkn
44°			56			fs; loc grdg to vfs; abund carb pf top 25 cm.									Solid
				124							555/169.16 m				152/155 (+3)
			68			fs; massive; abund calc-filled fracs 52-68 cm.									"
			44			ms; calc fills hi angle fracs thur									mostly solid
				82		Box 84									
			38			ms; massive; occas carb matter									solid
											560/170.69 m				153/150 (-3)
			156			fs, grdg to ms; calc +/- pyr lines hi angle fracs									"
				165							565/172.21				152/156 (+4)
		172.04	9			fs, as above									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 77

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 85					
	172.04		14.7			ms, occas calc-filled fracs, massive					solid
							570/173.74m				153/156 (+3)
			5.0			ms, as above					"
						Box 86					
37			10.8			ms; massive; abund calc filled fracs bottom 18cm					solid
							575'/175.26m				152/158 (+6)
			9.8			ms; massive; pale greenish-grey weathrd surf.					"
						Box 87					
		176.56	4.9			ms, as above; abs calc-filled fracs					solid
							580'/176.78				152/147 (-5)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 78

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
37	176.56		152			ms, as above, accas carb lam									solid
				692							585/178.31m				153/152 (-1)
								Box 88							
			88			ms, as above, accas crsh rip-ups									solid
			16			fs; hi angle calc filled frac; carb. lam thur									brkn
22			57			ms; abund ssh/crsh rip-ups 9-20cm; abund calc filled fracs 20-57cm.									partly brkn
											590/179.83m				152/161 (+9)
			23			ms; massive, calc cement; friable; pale olive green grey weathrd colour									solid.
				211											
								Box 89							
															partly brkn
		181.20	188			ms, as above; accas. calc-filled fracs									
											595/181.36m				153/151 (-2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 79

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
(22)	181.20		3			ms, as above, grdg to fs					solid
25°			65			fs; loc grdg to ms; abund carb lam 29-41 cm; occas calc-filled fracs.					"
						Box 90					
			68	208		fs; massive, occas calc filled fracs; pale greenish-grey weathd colour					mostly solid
							600/182.88				152/136 (-16)
26°			140			fs; abund carb lam 42-54; bratuk 66-81cm; generally massive					solid
						Box 91					
			12			vfs; carb pf thur					solid
↓		184.14	6			fs; massive; carb pf thur					"
							605/184.40				152/160 (+8)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD8002

PAGE No. 80

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	184.14		153			ms, grdg to fs; massive; carb pf thur; pale greenish grey weathered colour; occas calc-filled colour					solid
							610/185.93m				153/153 (0)
				260							
25°			34			ms, as above; abund carb lam thur; grdg to fs					solid
						BOX 92					
											partly brkn
			73			ms, as above; abund carb lam 0-22cm; calc +/- pyr fills fracs					
											solid
			48			fs; grdg to ms; bioturb 0-33cm; abund carb pf thur; calc +/- pyr. fills fracs					
							615/187.45m				152/155 (+3)
(23)											
		187.95	73			fs, grdg to ms; massive; abund carb pf thur; calc. fills hi angle fracs.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 81

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 93									
	187.95		67	299		fs; abund carb pf thuc; occas calc-filled fracs; bioturb i/p									solid
											620/188.97m				152/140 (-12)
			71			fs, as above									"
			6			ssh, carb; calc fills hi angle fracs									broken
239			65			fs, gdg to uls; calc-filled fracs thuc; abund carb pf thuc; occas carb lam									solid
						Box 94									
			18	201		fs, as above									solid
											625/192.50				153/160 (+7)
			90			fs; massive; salt & pepper; occas ssh rip-ups									"
↓		191.40	28			fs; crsh & ssh interbds; highly fracd									broken

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8002

PAGE No. 82

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	191.40		30			fs, grdg to ms; massive; calc fills fracs thru					solid
							630/192.02m				152/148 (-4)
			31			fs, as above					"
						Box 95					
				264							
30°			130			fs, as above; abund carb matter 70-82cm; occas calc lam bottom 15 cm					solid
							635/193.55m				153/161 (+8)
			73			fs; abund carb lam 0-17cm; bioturb 48-73cm occas calc-filled fracs					"
						Box 96					
			47			vfs; loc grdg to fs; bioturb					solid
36°		194.81	30			fs; occas carb lam, abund carb at bottom 10 cm					partly broken

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88002

PAGE No. 83

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
											640/1950cm				152/150 (-2)
	194.81		134			fs; calc pf fract; massive; calc. fills fracs									solid
				189					Box 97						
			25			fs as above									solid
											645/1965.9cm				152/159 (+7)
36															
			147			fs; bioturb 68-141cm; occas calc-filled fracs									solid
											650/1966.3cm				153/147 (-6)
			44			fs; bioturb									"
									Box 98						
		199.39	111			fs; bioturb top 11cm; calc fills fracs thruc; massive									mostly solid
											655/1969.4cm				152/152 (0)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88007

PAGE No. 84

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact / Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	199.39		94			fs; as above; loc bioturb					solid
				457		Box 99					
			58			fs; bioturb; occas calc-filled fracs					solid
							660/201.7 m				153/152 (-1)
(36)			148			fs; loc. gridg to vfs; bioturb thruc; occas calc-filled fracs					partly bkn
						Box 100					
			5	222		fs, gridg to sts					solid
							669/2026.9 m				152/153 (+1)
			69			fs. gridg to ms; fining down; abund calc-filled fracs 0-15 cm; generally massive					solid
			10			vfs; bioturb					partly bkn
			(5)			MR					
(35)		203.93	65			fs, gridg to vfs; bioturb thruc; occas calc-filled fracs					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 85

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
											670/204.22m				153/149 (-9)
35°	203.93		29	94		B, as above									solid
			23			vfs; bioturb trace									"
						Box 101									
26°			104			vfs; loc grdg to fs; bioturb; occas calc-filled fracs									mod wkly solid
											675/205.74m				152/156 (+4)
			91	289		vfs, as above									"
						Box 102									
			55			vfs, as above, mcn interbdd sst									solid
											680/207.26m				152/146 (-6)
		207.11	16			vfs; bioturb									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 86

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	207.11		4			csh									crumbled
(26)															
		207.21	6			sh; carb. i/p									"
			117			vfs, grdg to ssh									solid
						Box 103									
			12			vfs, as above									partly broken
											685/208.79m				153/155 (+2)
			151			vfs; massive; occas. calc-filled fracs									solid
				497							690/210.31m				152/151 (-1)
1°			34			vfs, as above									"
						Box 104									
25°		211.55	120			vfs; bioturb									partly broken
											695/211.84m				153/154 (+1)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 87

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	211.55	212.18	63			vfs; occas calc-filled fracs, grdg to ssh									brkn
			9			ssh; loc. sltst									"
						Box 105									
			39			ssh, grdg loc. to vfs									brkn
			40			vfs; bioturb; loc. grdg to ssh; occas calc. filled fracs									"
				165							100/2133 6m				152/151 (-1)
25°			125			vfs as above									mostly solid
						Box 106									
			28			crsh, grdg to ssh									semi-solid
											205/2148 8m				152/153 (+1)
			(10)			MB									
23°		215.56	87			crsh, as above									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88002

PAGE No. 88

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR.	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
↑	215.56		48			ssh, occas. hi angle fracs									solid
											210/216.4/m				153/135 (-18)
			19			crsh									semi-solid
			7			ssh									"
			13			crsh									"
				21		Bor 107									
			8			crsh									"
24°			114			ssh; calc. lines hi angle fracs									mostly solid
				196							215/217.93m				152/161 (+9)
			32			ssh, as above									mostly solid
↓		218.26	29	↓		ssh; v. dense; well indurated; silty i/p									solid
(28)						Box 108									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB002

PAGE No. 89

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
				59											
	21826		30			ssh, as above									partly brkn
			(8)			MR									
			49			ssh; slightly carb.; calc. lines fracs									"
				103											
											720/219.45m				153/140 (-13)
28°			54			ssh, as above									solid
			~45			crsh; bottom 20cm: crumbly									partly brkn, badly " @ bottom
						Box 109									
			~55	255		crsh; crumbly; sandy i/p									crumbled
											725/220.98m				152/154 (+2)
			155			crsh, as above; min. interbdd vfs bet. 110-155cm.									"
						Box 110									
											730/222.60m				152/155 (+3)
		222.42	20			ssh; interbdd vfs									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. 9HDD8002

PAGE No. 90

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	222.42		12			marlstone									solid
			37			ssh, as above; calc fills fracs 23-37 cm									"
			03			crsh; sandy i/p; calc fills fracs thur									partly brkn
				106							135/224.03m				153/152 (-1)
28			23			crsh, as above									"
			21			ssh; bio turb									solid
			7			crsh, as above									brkn
				37		Box 11									
			~30			crsh; interbdd vfs;									"
			5	sh		limestone; undulacious; sh flls vuggy porosity; appears to replace fossil matter (graptolites?)									"
		224.71	11			ssh, as above									
32															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB002

PAGE No. 91

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	224.71		26			mdstone, dense; well indurated; occas calc-filled fracs					solid
			26			ssh					"
							740/225.55m				152/149 (-3)
32°			92	180		ssh, min interbdd vfs					mostly solid
						Box 112					
			62			ssh, as above					partly brkn
							945/227.00m				153/154 (+1)
36°			139			ssh, as above; loc grdg to crsh; highly fracd 60-85cm					mostly solid
						Box 113					
		228.24	8			crsh					brkn
							750/228.60				152/147 (-5)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 92

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
↑	228.24		~60			ssh; bioturb; accas. calc-filled fracs									part. brkn
39°			47			vfs; ssh lam; loc bioturb									solid
			37			ssh; loc grdg to vfs									"
											155/230.12m				152/157 (0)
			35			ssh, as above									"
				233		Box 114									
28°			125			ssh, as above; calc fills fracs									solid (mostly)
											160/231.65m				153/160 (+7)
			36			ssh, as above									"
			37			vfs; abund calc-filled fracs thruc; massive									solid
				81		Box 115									
(33)															
		232.53	44			vfs, as above.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 93

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d o b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
39°	232.53		36			ssh: interbold vfs, biotarb i/p									solid
				41							166/223.17m				152/153 (+1)
			5			ssh, as above									"
			13			vfs, as above									"
			73			ssh, as above									partly crumbled
			025			vfs; calc lines fracs; massive									brkn @ bottom
				45		Box 116									
			20			vfs, as above									solid
			16			ssh.									crumbly
											220/234.69m				152/157 (0)
			(B)			MB									
			~B			ssh, grdy to vfs									brkn badly
31°		23480	23			vfs; calc Als fracs thruc									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 94

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.g.d. d.o.b.	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
↑	234.80		38			ssh; calc fills fracs to 15cm									crumbled @ bottom
			6			vfs									solid
			70			ssh; loc grdy to csh									partly crumbled
											225/236.22m				153/145 (-8)
			5	167		ssh									solid
						Box 117									
25°			92			ssh; interbdd vfs; bioturb									mostly solid
			(8)			MR									
											230/237.74m				152/97 (-55)
			~50			ssh, as above									brtn
		237.97	48			csh; loc sandy									partly brtn
						Box 118									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 95

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	237.97		102			ssh; interbdd vfs; occas calc-filled fracs									partly bkn.
											235/23927m				153/200 (+47)
(29)															
			20			crsh; sandy i/p									solid
			44			vfs; interbdd ssh; bioturb i/p; calc fills fracs									"
			22			crsh; sandy i/p									partly crumbled
34°			14			vfs; as above									solid
				46		Box 119									
			32			vfs; interbdd crsh; calc-filled fracs thur									partly bkn
			19			ssh; bioturb									mostly solid
			2			vfs, as above									"
				157							239/24029m				152/153 (+1)
32°		241.97	145			vfs; interbdd ssh/crsh, bioturb i/p; calc fills fracs thur									solid basically

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8002

PAGE No. 96

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 120					
(32)	241.97		10			vfs					solid
							195/222.32 m				153/155 (+2)
38°			150			vfs; interbdd ssh; loc bioturb; calc +/- pyr fills fracs; loc grdg to ssh					brkn
							220/243.84m				152/150 (-2)
				203							
			53			vfs, as above					mostly solid
						Box 21					
			20			vfs; interbdd ssh					mostly solid
			30			ssh; calc fills fracs thur					
32°		245.12	72			vfs; min interbdd ssh; occas hi angle calc-filled fracs					solid
							305/346.36				152/155 (+3)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 97

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec rad dob	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	245.12		40			ssh; interbdd vfs; bioturb					mostly solid
			38			vfs; interbdd ssh, bioturb					solid
						Box 122					
			11			ssh; bioturb					solid
			32			vfs; interbdd ssh; massive pyr ft 14-16 cm					mostly solid
(32)			25			ssh; loc grdg to vfs					"
				44			B10/246.88m				152/146 (-6)
			19			ssh, as above; bioturb					solid
			26			vfs; pyr band 9.5-11cm; calc fills fracs					"
			8			ssh, grdg to vfs; bioturb					"
		247.22	11			vfs; interbdd ssh; bioturb; min pyr					"
							B12/247.50				62/64 (+2)
						E.O.H.					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88002

PAGE No. 98

Adjusted & Checked
88.08.25
TW.

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						QHD88003									
						Box 1									
		17.37									57'/17.37 m				
			14			Rubble; sandstone/limestone									rubble
			9			MR									
	17.60		.87			sh; slg. v/p; carb; frac. z calc along frac. approx. parallel bedding & hem along vert frac									brkn
29				.90											
											61'/18.59 m				122/101 (21)
			3			sh; as above mer silty									"
			50			ssh; coarsens to vfs below; bioturb; hem stain along high angle fracs									"
		19.22	22			crsh; calc fills fracs up to 0.5 cm									brkn
						Box 2									

19.22

DRILL CORE LOG

Quintette Coal Limited

Change p. 9, 10, 11, 20

HOLE No. QHD88003

PAGE No. 1

Adjusted & Checked
88.08.25
TW.

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						QHD88003									
						Box 1									
		17.37									57'/17.37m				
			14			Rubble; sandstone / limestone									rubble
			9			MR									
	17.60		.87			sh; slty u/p; carb; fracs calc along frac. approx. parallel bedding & hem along vert. frac.									brkn
29				.90											
											61'/18.59m				122/101 21
			3			sh; as above incr silty									"
			50			ssh; coarsens to vfs below; bioturb; hem stain along high angle fracs									"
		19.22	22			crsh; calc fills fracs up to 0.5 cm									brkn
						Box 2									

19.22

DRILL CORE LOG

Quintette Coal Limited

Change p.9, 10, 11, 20

HOLE No. QHD88003

PAGE No. 1

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	19.22		51	73		crsh; as above; hem. stain along high angle frac; occas. carb pf.									brkn
			24			ssh									solid
											66'/20.1[illegible]				153/150 (-3)
			102			crsh; [illegible] calc. in fracs; hem along high angle frac; carb pf thur.									brkn
29				111		Box 3									
			9			crsh, as above									solid
			5			MR									
											70'/21.34				122/111 (-11)
			46			crsh, as above									brkn
			26			vfs grdg to ssh; bioturb; hem stain along high angle fracs									solid
		22.59	74			fs; interbdded crsh & ssh; bioturb; carb root preserv'n; calc. veining & hem stain along high angle fracs									basically solid

22.59

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 2

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o b	STR.	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
	22.59		14			crsh; calc veining paraceling bding; grades to ssh @ top									brkn @ top
				18							75'/22.86 m				152/160 (+8)
			4			crsh, as above;									solid
			11			fs; ssh lam thur; carb pf									solid
				14		Box 4									
(29)			3			fs, as above									"
			18			ssh, carb i/p									solid
			8			sh; carb i/p; friable									"
			7			ssh, as above									brkn
			28			crsh; loc sandy									partly brkn
		24.06	54			vfs; loc gdg to ssh; bioturb									solid

2006

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 3

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	24.06		25			fs; interbdd vfs & ssh; bioturb; carb. root presence									solid
											80'/24.38 m				152/158 (+6)
29			42			ssh; predomin. crsh which is carb i/p c thin sandy stringers to 0.5 cm thick									brkn @ 12-14 cm
		24.84	11			crsh									solid
	24.84		12			ssh as above; carb. pf.									"
						Box 5									
29			44	48		sh; friable; loc. silty, carb i/p									basically solid
											84'/25.60 m				122/109 (-13)
			4			sh, as above; high angle frac c calc & hem along high angle surf									badly brkn
00F															
	25.44		2			cc									brkn
		26.12	(66)			MC									
00R															

26.12

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 4

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
ROOF	26.12	26.44	(32)			MR					
	26.44	26.66	(22)			MC					
FLOOR (29)	26.66	27.18	52			crsh; carb. i/p; calc & hem along high angle fracs, loc. coal stringers					badly brkn
	27.18										
							89'/27.13m		153/58	(-95)	(fault zone ~ 84-94')
			57			crsh, a. sauve; fractured thruc, calc & hem along fracs; loc. grades to grsh					"
(29)											
			(34)	.44		MR	92.5'/28.19m				106/57 (-49)
			(10)			MR Box 6					
			46			grsh; occas thin coal stringers to 2mm; friable					badly brkn
			9			sh; carb i/p					solid
51			96	1.36		ssh; loc pyr; calc veining along high angle fracs; slickensides along sauve fracs					"
							98'/29.87m				168/151 (-17)
		20.10	40			ssh, grdg to crsh; granulated calc veining					solid

30.10

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 5

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 7							
	30.10		53	2.13		crsh, carb. i/p									relatively solid
											101'/30.78 m				91/93 (+2)
			160			crsh as above carb root & pf thru									
								Box 8							
(51)															
											106'/32.31 m				153/160 (+7)
			151			ssh; loc grades to vfs; bioturb; occas carb pf									solid
											111'/33.83 m				152/151 (-1)
			54	83		crsh; loc grdg to ssh; crenulated calc veining									brkn at top
								Box 9							
			29			crsh as above									solid
↓		35.09	52			ssh; bioturb									"

35.19

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 6

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	35.09		18			crsh, occas carb pf, crenulated calc. veins									solid
											116'/35.36 m				153/153 (0)
48			108			crsh, as above; loc. grdg to ssh									"
				178		Box 10									
			36			crsh, as above; loc. pyr.									solid
											121'/36.88 m				152/144 (-8)
			16			crsh, as above									
			141			fs; interbdded ssh; bioturb; calc + hem. along high angle, near vert. surf. -ie vert. wrt bding									mostly solid
											126'/38.40				152/157 (+5)
28		38.36	8			fs, as above									"
						Box 11									

38.36

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 7

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
				156											
	38.36		7			fs, fining down to vfs									solid
			6			crsh; friable									badly brkn
			(10)			MK									
28°			18			sh; carb i/p, friable									badly brkn @ 2-5cm
			11			crsh									solid
			61			ssh; extensively bioturb, loc. carb pf; loc grdg to vfs									"
			22			vfs; interbded ssh, carb root preserv'n									solid
(35)				36							31/39.93m				153/133 (-20)
		39.85	14			vfs, as above									
	39.85		56			ssh; carb i/p; calc filled high angle fracs									brkn
				20		Box 12									
33°		41.05	64			ssh grdg to crsh									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB003

PAGE No. 8

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec r.q.d. d.o.b	STR	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
											136'/41.45m				152/134 (-18)
ROOF															
	41.05		~18			CA									badly brkn
			4			CB									brkn
			(42)			MC									
											139'/42.37m				92/22 (-70)
		41.70	1			CB									
FLOOR	41.70		3			csh									badly brkn
			(17)			MR — D (High Ash Coal / Coaly Rock) f = 1.75 g/cm³									
ROOF	(33)	41.93	8			dkgrsh; abund coaly stringers to 2mm thick									solid
	41.93		(19)			MC									
			11	} .21		CA; minor pyr									badly brkn
											142'/43.20m				91/23 (-68)
			10			CA									brkn
			2			CC									"
		42.40	5			CB									"
FLOOR															
	42.40	42.73	~~35~~ 33			grsh; silty; loc sandy; carb stringers thinc; grdg to dkgrsh									brkn
						Box 13									
											145'/44.20m				92/35 (-57)
ROOF															
	42.73	42.85	12			CA									brkn

3046
3051
3052

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
					3052						
	42.85		19			CB					brkn
			27			CA					
			5			CB					badly brkn to
FLOOR		43.84	48			CA					pulverized
ROOF	43.84	44.20	(36)			MR					
(33)	44.20		(50)			MC					
							150'/45.72m				152/111 (-41)
			4		3053	CA; minor pyr					brkn
			6			CB					badly brkn
			2			dksh					"
			4			CC					"
		46.80	(194)			MC					
FLOOR	46.80		22			grsh; coaly stringers thur; silty i/p					brkn
							154/46.94m				122/38 (-84)
			(17)		3054	MR					
			20			sdst; carb i/p					partly brkn
(46)				35		Box 14					
ROOF		47.54	15			ssh, as above					"
	47.54	47.61	7		3055	CB					brkn

47.61

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUDD8003

PAGE No. 10

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3055										
	41.41		~80			CA; loc c trace pyr									badly brkn
			(37)			MC									
											159'/48.46m				152/122 (-30)
			11			CA									badly brkn
			(60)			MC									
											161'/49.07m				61/11 (-50)
(46)															
			30			CA									badly brkn
			15			CB									broken i/p
			(120)			MC									153/45 (-108)
						(would appear coal here has bedding angles									
		51.22	8			CA which are 90° to BCN)									badly brkn
FLOOR															
	51.22		15			csh; coaly stringers to 0.5cm thick									"
				22											
						Box 15									
		51.44	7			csh, as above									brkn
ROOF															
	51.44	51.55	11			CB									pulverized
		51.55													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 11

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d o b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	51.55		(101)		SSOS	MC	171'/52.12m				152/41 (-111)
FLOOR	52.56	52.62	6			CB					badly brkn
(46)	52.62		6			csh					"
			6			dksh; coaly stringers thruc					"
			(29)			MR					
		53.17	14			crsh; loc. carb, gradg to ssh					brkn
46°	53.17		91			ssh, loc carb					basically solid
				139			176'/53.64m				152/123 (-29)
			48			ssh; bioturb					solid
						Box 16					
			98			vfs gradg to ssh; interbdded crsh & ssh thruc; bioturb; calc + s/s along high angle frac's					solid
				103							
							181'/55.17m				153/146 (-7)
(51)											
			.5			vfs as above					"
	55.59	56.65	106			ms; ssh lam thruc; occas carb pf; calc veining; loc. bioturb					brkn @ bottom

55.65

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 17					
	66.65		42			ms, a. above, carb. rest preserved common in top 12cm					solid
				274							
							106'/56.69m				152/153 (+1)
			126			ms; loc. grdg. to cs; calc veining thruc; accas. carb pf; fining down					broken @ 53.77cm
51°			14			fs; abund. carb pf top 5cm; bioturb.					solid
			2			csh; sandy i/p; coal stringers to 2mm					badly brkn
			11			fs, as above					
							191/58.22m				153/153 (0)
			14	119		fs; carb. lam thruc					"
						Box 18					
		39.68	94			fs; interbded ssh thruc; bioturb; loc. calc. vein					broken @ bottom

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 13

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	59.68		42			ms; carb lam thur; minor calc veining					solid
				70			196'/59.74m				152/150 (-2)
			28			ms as above					
			27			ssh; occas carb pf; calc-filled microfrac; fracs occas perp to bdng					solid
				34		Box 19					
(51)											
			7			ssh, as above					"
			49			ms; carb lam thur; carb coat matter					brkn @ top
			36			ssh; carb i/p; loc carb pf					partly brkn
			(1)			MR					
							201'/61.26m				152/147 (-5)
			14			ssh, as above; calc-filled vert fracs					solid
			~80			crsh gdg to gssh @ base; carb i/p					badly brkn after 20 cm
		62.64 / 62.64	(12)			MR					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD89023

PAGE No. 14

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	62.64		12			vfs; crsh. lam. thur.					solid
						Box 20					
			35			fs grdg. to vfs; interbded ssh					solid
(51)				179			206'/62.79m				153/141 (-12)
			144			fs, as above; biotitic					basically solid
							211'/64.31m				152/144 (-8)
			28			ms; minor ssh interbds.					solid
				76		Box 21					
*			48			ms, as above					"
			41			ssh; biotitic; ms fills large burrows (5cm x 25 cm)					"
(44)											
		65.98	26			fs; loc grdg to ms; interbded ssh; biotitic occas. coal pf; fines down					"

65.98

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 15

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
44°	65.98		13			ssh; calc veining along shear zone which parallels bedding; minor carb pf thuc									solid
											216'/65.84m				153/156 (+3)
			6			ssh, as above									"
			35			fs; interbded ssh, bioturb									"
			26			ssh; bioturb, carb. pf thuc									solid
			7			ms; dark law z abund carb pf thuc									"
						Box 22									
			39			ms, as above; x-bded; loc grades to cs									solid
50°			31			ssh; abund carb pf thuc									"
											221'/67.36m				152/144 (-8)
		68.59	104			vfs; grdg to ssh; bioturb thuc; occas calc veining; occas carb pf									solid
(33)															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88003

PAGE No. 16

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	68.59		12			ssh; abund. calc. veining thur; calc veins which parallel bedding are crenulated in appearance carb. i/p									nicely solid
33°			16			vfs; calc veining									solid
						Box 23									
			8			crsh, grdg to ssh; loc. carb. pf					226'/68.88 m				solid 152/140 (-12)
42°			177			ssh grdg to vfs; loc. carb; bioturb i/p									"
	70.22		30			fs; x-bded; bioturb; loc. grades to vfs									
											231'/70.41 m				153/157 (+4)
			33			vfs; interbded ssh; occas. carb. pf; calc vein									"
						Box 24									
36°	70.8[illegible]	71.95	110			cs; carb. pf thur; x-bded; minor calc vein									basically solid
											236'/71.93 m				152/143 (-9)

71.95

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 17

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	71.95		89			cs, as above					solid
						Box 25					
			66			cs, as above					broken
				489		-	241'/73.46m				163/155 (+2)
(36)											
			143			cs, as above; calc veining thin where veins are typically at a high angle to bding					solid
						Box 26					
			10			cs, as above					"
							246'/74.98m				152/153 (+1)
			71			cs, as above					solid
38°			10			ssh; carb pf thin					"
		76.59	75			crsh gridg to ssh; carb i/p					basically solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
											251'/76.60m	M			152/156 (+4)
				106											
	76.59		31			crsh. as above									solid
								Box 27							
			51			ssh; loc. gridy to vfs; occas carb pf									solid
(38)															
			76			crsh; carb l/p									"
											256'/78.03m				153/158 (+5)
			81	193		crsh. as above									
								Box 28							
			36			crsh. as above									solid
			32			grsh; silty l/p; carb mat thin									solid
(42)				53							261'/79.55m				152/149 (-3)
		79.87	21			grsh. as above									"

71.17

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDA8003

PAGE No. 19

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
42'	79.87		19			csh, carb pf thur									solid
			11			csh; minor calc veining & s/s									brkn
			5			grsh									brkn
ROOF		80.24	2			dkgrsh									badly brkn
	80.24		(90)			MC									
			5			CC									brken
						5.79 % Recovery					266'/81.08m				153/63 (-90)
			(31)			MC									
		81.52	2			CB									badly brkn
OOR															
	81.52		6			dksh									"
						70.8 % Recovery									
			6			dkgrsh									partly brkn
			5			grsh									brkn
OOF	81.69	81.76	(7)			MB									
(35)	81.76	82.36	(60)		3056	MC					270'/82.30m				122/19 (-103)

82.36

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 20

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
					3056										
	82.36		4			CA									badly brkn
			2			CC									"
			2			CB									"
			3			CC									brkn
			12			CB									pulverized
		83.17	58			MC									
	83.17		4			csh									partly brkn
			9	11		CC									"
			2			CC									brkn
35			4			dksh									"
											213'/83.21m				91/42 (-49)
	12		10			MC		Box 29							
			4			CB									badly brkn
			12			CC									solid
			11			CA									solid
		85	4			CB									"
		83.79	12			CA									badly brkn
83.89	89 83.79		15			csh									solid
		89													
		84.29	36			CA ; trace pyr									brkn
		84.39													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD8800²

PAGE No. 21

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
					3056										
											275'/83.82m				71/93 (+22)
	84.29		11	46		CA									broken - pulverized
															solid
35°			1			ssh. ; carb. ; thin wispy stringers									"
			13			CA									broken @ base
			2			CB									broken
			6			CC									solid
			24			CA									pulverized
		40	(80)			MC									
											2795'/85.19m				137/57 (-80)
			3			CB									broken
		85.54	15			CA									badly broken
				55											
						Box 30									
		85.94	40			CA									broken to pulverized

85.94

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 22

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d o b	STR.	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	85.94		2		3056	csh					brkn to pulverized
			41			CA					brkn to pulverized
		86.43	(6)			MC					
FLOOR	86.43	86.85	(42)			MR					
FLOOR	86.85		(50)			MC	283'/86.2m				107/101 (-6)
			1			CA					solid
			3			csh					solid
FLOOR		87.41	2			CA					"
	87.41		35			grsh, carb. pf thur; loc. slty					"
				55			282/87.48m				122/41 (-81)
(35)			20			grsh, as above; occas. s/s					"
			18			csh grdg to ssh					partly brkn
			29			vfs, loc. grdg to fs; calc. veining; carb pf					solid
			8			csh; carb pf					"
						Box 31					
			8			grsh; grdg to dkgrsh, minor pyr; coaly stringers to 2 mm					badly brkn
		88.62	(3)			MR					

88.62

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 23

3

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
											291'/88.70m				122/83 (-39)
						(Missing - on marker)									
						- appears to be milled at top of next run									
	88.62		18			crsh; carb pf									solid
ROOF		89.04	24			ssh; loc carb									"
			(50)			MC									
											294'/89.61m				91/42 (-49)
(35)			16			CA									badly brkn
			(24)		3057	MC									
											295'/89.92m				31/16 (-15)
			12			CB									badly brkn @ top
			5			CD									brkn
		90.43	32			CA									badly brkn
	90.43	90.64	(21)			MC									
	90.64	90.82	(18)			MC									
FLOOR (32)	90.82	90.85	3			dkgrsh									brkn
											297'/90.53m				61/52 (-9)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86603

PAGE No. 24

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	90.85		6	9		dkgrsh c coaly stringers to 1 cm									brkn
			13			grsh; minor thin coaly stringers to 2mm									solid
		91.26	22			crsh; loc. carb; occas calc veining									brkn
						Box 32									
											299.5'/91.29m				76/41 (-35)
		91.56	30			dkgrsh; coaly stringers thur to 2mm									brkn
	91.56		44			grsh; loc silty; occas coaly stringers to 1mm									mostly solid
			42			ms; carb. lam thur; x-bded									solid
			28			fs; interbded ssh; carb i/p									"
				55							304.5'/92.81m				152/144 (-8)
32'			27			fs, as above									"
(39)		93.21	24			ssh; carb. i/p									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 25

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 33									
39°	93.21		42			grsh; silty i/p, loc. sandy									solid
			15			vfs; interbdded grsh, loc. grdg to ssh; carb matter thur									"
		94.30	52			ms; carb @ top 17 cm; fairly massive; salt & pepper									"
											309.5'/94.34 m				153/160 (+7)
			109			ms; calc veining @ 35-48; salt & pepper									solid
						Box 34									
(42)		95.90	51			ms; grdg to cs; minor calc veins along high angle fracs									solid
											44.5/95.86 m				152/160 (+8)
		97.37	147			ms as above									"
											320'/97.54 m				168/147 (21)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 26

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	97.37		7			ms									solid
								Box 35							
		98.95	151			ms, calc [illegible] thru; occas. c/s									"
											325'/99.0[illegible]m				152/158 (+6)
			61			ms; occas. clay bands from 0-15 cm									"
(42)															
				1205				Box 36							
		100.54	98			ms; massive									solid
											330'/100.58m				152/159 (+7)
			112			ms; occas. ferruginous clay lam									"
								Box 37							
		102.11	45			ms									"
											335'/102.26				168/157 (-11)

102.11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 27

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
42°	102.11	103.67	156			ms; clay bands from 20-70cm									solid
											340'/103.63m				137/156 (+19)
			8			ms									"
								Box 38							
		105.27	152			ms; fs & carb. lam 31-32cm									solid
											345'/105.16m				153/160 (+7)
			56			ms; carb. clay lam 2-3cm & 56cm									
								Box 39							
			1			grsh; sandy i/p; carb.									brkn
(41)		106.77	93			ms; occas. calc. veins & carb. lam									solid
											350'/106.68m				152/150 (-2)
		107.95	118			ms; lo. carb. lam; claystone horizons 48-51 & 57-60cm (core may be 'mixed up')									core out of order

107.95

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86003

PAGE No. 28

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o b	STR	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 40									
41	107.95	108.27	32			ms, as above									solid
											355'/108.20				152/150 (-2)
			160			ms; occas carb lam & thin (2mm) clay bands thur									solid
											360'/109.73				153/160 (+7)
			21	844		ms, as above									
						Box 41									
		111.39	131			ms; occas calc veins; occas carb lam									[illegible] @ base
											365'/111.25 m				152/152 (0)
		112.13	74			ms; a[illegible] carb lam 27-60 cm; abund. calc vein 60-74 cm									solid
						Box 42									

112.13

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 27

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	112.13	112.85	72			ms, calc veining & occas. carb lam.					solid
							370'/112.78m				153/116 (-37)
41'			143			ms, as above, abund clay & carb lam from 85-120 cm					
						Box 43					
							375'/114.30m				152/143 (-9)
		115.90	162			ms; carb pf thur; calc veining from 112-128cm					solid
							384'/115.82m				152/162 (+10)
			48	334		ms; carb pf, laminar calc veining					"
(44)						Box 44					
		117.44	106			ms; carb pf thur					"
							386'/117.65m				153/154 (+1)

117.44

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDBB003

PAGE No. 30

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
44'	117.44		18			ms. as above					solid
			84			fs; occ as. calc veins, carb. pl thur					"
						Box 45					
			40			fsi massive					"
				280							
							390'/118.87m				152/142 (-10')
		120.42	156			fs; loc grdg to vfs; massive from 0-96 cm; interbdd ssh from 56-156 cm; occ. calc veining; brecciated & calc. cemented fr. 134-141 cm					solid
							395'/120.40m				153/156 (+3)
						E of H					

120.42

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88003

PAGE No. 31

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
						QHD88004					
						Box 1					
		37.49				OB (Casing)	123/37.49				
			(33)			MR					
			81			MUD; abund. pebs top 45cm, fining down to silty clay					solid.
							122/38.71				122/81 (-41)
(28)			114			mud; sandy & silty; in a light grey clay matrix					"
						Box 2					
			19			mud, as above					"
				478			131/39.93 m				122/133 (+11)
			158			mud, as above					"
							136/41.45 m				152/158 (+6)
		41.82	28			mud, as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 1

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 3					
	41.82		78			mud, as above					solid
			(38)			MR					
							141/42.98				153/106 (-47)
			131			mud; basically vfs/silty in a clay matrix; sand grains occas'ly v.coarse; v.cs boulder 88-92 cm.					partly broken
				161							
						Box 4					
			30			mud; silty-sandy; clay matrix					partly broken
(28)											
							146/44.50				152/161 (+9)
			(124)			MR					
			28			mud, as above					"
							151/46.02m				152/28 (124)
			151			mud, as above					solid
						Box 5					
		47.78	16			mud, as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 2

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							156/47.58				153/167 (+14)
	47.78		153			mud as above					mostly solid
							166/49.07m				152/153 (+1)
			32			mud, as above					"
						Box 6					
(28)	49.63		114	812		mud, cobbles fr. 21-87cm					partly brkn
							166/50.60				153/164 (+11)
			102			mud; silty, sandy; light grey clay matrix					solid
						Box 7					
			58			mud, as above					
							171/52.12				152/160 (+8)
		53.95	158			mud, as above					mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD89004

PAGE No. 3

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
						Box 8					
							176/53.64				152/158 (+6)
	53.95		(47)			MR					
			66			mud, as above, occas peks					mostly solid
							101/55.17				153/66 (-87)
			140	215		mud, as above					"
(28)						Box 9					
			9			mud					"
			(3)			MR					
							196/56.69				152/149 (-3)
			~30	135		missing mud (sampled-sent to Golder & Assoc)					
			105			mud, as above					"
			(10)			MR					
							191/58.22				153/135 (-18)
		58.66	61	↓		mud, as above					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8004

PAGE No. 4

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
						Box 10					
	58.66		104	305		mud, as above.					mostly solid
							196/59.74				152/165 (+13)
			111			mud, as above					"
						Box 11					
			29			mud, as above					"
28			10			MR					
							201/61.26				152/140 (-12)
			166			mud, as above					"
							206/62.79m				153/166 (+13)
			20	294		mud, as above					"
						Box 12					
		64.14	108			mud, as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR.	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	64.14		(24)			MR					
							211/64.31				152/128 (-24)
			110			mud, as above					mostly solid
						Box 13					
				296							
			44			mud, as above					"
(28)							216/65.89				153/154 (+1)
			142			mud, as above					
			(10)			MR					
							224/67.36				152/142 (-10)
			28			mud; v. coarse-grained sand to small pebs up to 4mm in a silty-sandy clay matrix					"
				110							
						Box 14					
			82			mud; silty-sandy in a light grey clay matrix					"
		68.96	(42)			MR					
							226/68.88				152/110 (-42)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 6

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	68.96		79			mud as above									mostly solid
											231/70.41m				153/79 (-74)
															"
															"
28		71.48				MR (mud)									
	71.48		(56)			MR. (rubble)					236/71.93				152/96 (-56)
			~52			rubble; fs cobbles & other debris in a muddy matrix									brkn badly
			(101)			MR					241/73.46				153/52 (-101)
			44			rubble; pebs & cobbles of various lithologies ranging from sand to cgl in a muddy matrix.									"
		75.06	(IC.5)			MR					246/74.98				152/44 (-108)

PLEASE NOTE: RUBBLE IMPLYS THE STATE OF THE RECOVERED CORE NOT THE ROCK TYPE. THE ROCK TYPE IS ACTUALLY GLACIAL TILL

Box 15

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 7

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m lt	FRACTURE TYPE AND CHARACTERISTICS
	75.0		~40			rubble; pebs & boulders of var. lithology in a mud matrix					badly brkn
			(52)			MR	249/7590				92/40 (-52)
						Box 16					
			15			rubble, as above					"
			(45)			MR					
1. (28)							251/7650				60/15 (-45)
			42			rubble; pebs & boulders varying from crse to cs in a poorly sorted & consolidated till-like matrix.					brkn
			(107)			MR	256/7803				153/42 (-111)
			~15			rubble; glacial till, as above.					badly brkn
			(87)			MR					
		79.2	~17			ssh; brkn bedrock?; slightly carb					"
							260/7925				122/32 (-90)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 8

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				45											
	79.26		28			ssh; bioturb; slightly carb.									solid
			23			fs; min interbdd ssh									"
20°			29			ssh									"
						Box 17									
			67			fs, grdg to vfs; bioturb; bdg largely obliterated; slightly carb.									solid
						MR									
											263/80.77m				152/147 (-5)
23°		81.06	33			vfs; grdg to ssh; slightly carb.									"
	81.06		~35			sh; silty i/p; slightly carb.									partly brkn
		81.50	9			qsh; incr carb									brkn
	81.50		44		3131	CA grdg to CB; oxidized									badly brkn to pulverized
		82.26	(32)			MC Box 18									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD89004

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	82.26										
(23)							220/82.36				153 / 121 (-32)
			(9)			MR					
		82.38	~3			grsh					brkn
↓	82.38	82.51	(13)			MC					
26°	82.51		24			vfs; interbdd ssh					partly broken
			(5)			MR					
			32			fs; x-bdd; carb pf thur					"
			7			vfs; interbdd ssh					"
✱		83.24	5			ssh					"
	83.24		(9)			MC					
		83.56	23			crsh. grdg to ssh; slightly carb					mostly solid
			18			vfs, loc. grdg to fs					solid
			4			MR					
(31)							225/83.82m				152 / 112 (-40)
		83.93	15			vfs, grdg to ssh; bioturb; carb pf thur					brkn i/p
	83.93		33			crsh; carb i/p					"; crumbly
		84.61	35			fs; grdg to vfs; carb thur					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 10

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	84.61		13			grsh, sandy i/p.									solid
						Box 19									
			4			ssh; carb									solid
			33			vfs; bioturb thur; carb; carb pf thur									"
			9			grsh; sandy i/p									brkn @ base
			(10)			MK									
											280/85.34				152/142 (-10)
			~115			grsh; loc. sandy									brkn
			43			crsh, min. pyr; slightly carb.									crumbly
						Box 20									
				120											
											285/86.87				153/158 (+5)
			77			crsh, loc sandy, trace pyr									partly crumbled
31°		88.29	64	339		ssh; pyr lens 46-48; slightly carb									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 11

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d d.o.b	STR.	FRAC/m bd	FRAC/m it	FRACTURE TYPE AND CHARACTERISTICS
							190/88.89				152/141
	88 29		66			ssh; loc'lly pyr., as above					solid
						Box 21					
(31)			94			ssh; bioturb thur; slightly carb; occas carb pf; small, basically horiz'l burrows prolific 33-61cm (1mod)					"
							295/89.92				153/160 (+7)
			115			ssh, grdg to vfs; bioturb w/ prolific burrows thur; as above.					"
						Box 22					
			28			vfs, bioturb; prolific burrows, as above					"
				91			390/91.44				152/143 (-9)
23°			63			vfs; ssh lams thur; loc bioturb					"
		92 90	95			fs; massive					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
											305/92.96				152/158 (+6)
(23)	92.90		18			fs; massive									solid
				144				Box 23							
			31			fs, as above; abund claystone rip-ups 29-31cm									solid
25°			48			vfs; crsl. lam thur; bioturb. i/p									"
			42			fs; massive; top 6cm bioturb; crsl. rip-ups bottom 2cm									"
			20			vfs, as above									"
											310/94.49				153/159 (+6)
			62			fs, grdg to vfs									"
								Box 24							
		95.99	88			fs, as above									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 13

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec r.q.d. d o b	STR	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							315/96.01				152/150 (-2)
	95.99		1.04			fs; loc grdg to vfs; bioturb, occas. Fe-stained bands					solid
				3.41		Box 25					
			33			fs					solid
							320/97.54				153/153.7 (+4)
			34			fs, grdg to ms; occas Fe-stained bands					"
			32			vfs, interbdd ssh					partly broken
26°			0.6			fs, bioturb i/p					solid
			.6			vfs; carb pf thur					"
							325/99.06				152/158 (+6)
(29)											
		99.29	.15			vfs, bioturb; carb lam					"
						Box 26					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
24°	99.29		130	↑ 245		vfs, as above									solid
											330/100.58m				152/145 (-7)
			87			vfs									"
								Box 27							
			7			vfs, grdg to ssh									brkn.
			(22)			ssh									
											340/103.63				305/94 (-211)
15°			127			vfs; loc. grdg to fs; min interbdd ssh. bottom 10cm									partly crumbled
			36			ssh; interbdd vfs									
															"
				80							345/105.16				153/163 (+10)
			44			ssh, as above									solid
								Box 28							
		104.22	40			vfs, grdg to ssh, massive									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec r.q.d d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	104.22		20			fs; grdg to vfs; x-bdd					solid
(15)			80			vfs, as above					mainly solid
			60			ssh, grdg to vfs					partly crumbled
			17			vfs; distorted bdg, possibly pre-diagenesis					partly brkn
			4			ssh, grdg to vfs, as above					crumbly
						Box 29					
16'			96	227		ssh, interbdd vfs					solid
							350/106.68m				152/361 (+209)
			127			ssh, as above, grdg to crsl					
						Box 30					
		108.47	21			crsh					
							335/108.20				152/148 (-4)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	108.47		162			crsh, loc. grdg to ssh; slightly carb					solid
				215			360/109.73				153/162 (+9)
(16)			32.			crsh, as above					crumbly
						Box 31					
			10			ssh; bioturb.					solid
			113			vfs; interbdd, bioturbd ssh					"
				174			365/111.25				152/155 (+3)
20°			61			vfs, as above					"
			33			ssh; interbdd vfs; bioturb; slightly carb					"
						Box 32					
		113.06	48			vfs; interbdd crsh & ssh; bioturb thruout					solid
							371/113.08				183/142 (-41)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR.	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	113.06		152	210		vfs; as above; loc grdg to fs					solid
(20)							376/114.60 m				152/152 (0)
			10			vfs; num. interbdd fs					"
						Box 33					
			25			fs; occas crsh rip-ups; loc pyr					solid
			112			ms; interbdd fs; bioturb i/p					
							391/116.13 m				153/147 (-6)
			8			fs, grdg to vfs					"
(19)			52			ms; interbdd fs, as above; occas crsh lam, loc bioturb.					partly brkn
		116.76	11			fs, grdg to vfs; bioturb					brkn
						Box 34					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d d.o.b	STR	FRAC/m bd	FRAC/m jt	FRACTURE TYPE AND CHARACTERISTICS
	116.76		~43			vfs; interbdd ssh; bioturb									broken
19°			38			fs, grdg to vfs; peb. band @ 22cm.									solid
											386/117.65 m				152/152 (c)
			4			ssh									solid
			39			cgl; pebs to 2cm (well-rounded)									"
			4			ssh; slightly carb.									"
			20			cgl; well-rounded pebs to 2cm.									"
			31			fs, grdg to vfs; bioturb									"
			1			vfs; thin carb lam thur									"
				12							389/118.57				92/99 (+7)
			11			vfs, as above.									solid
		118.80	13	↓		cgl; well-rounded pebs to 1cm									"
						Box 35									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

B C N	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	118.80		6	19		cgl, as above									solid
			29			fs, grdg to ms; bioturb									"
			4			ssl; carb i/p									"
			56	90		v. cs; cgl'itic i/p; pebs to 5mm thur.									"
19°			34			cs; occas pebs to 0.75cm									"
		120.11	2			cgl; pebs to 1.5 cm									
											394/120.09				152/155 (+3)
						E.O.H									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						QHD88005									
						Box 1									
			82			casing = 5'/1.52m									
			33	63		cs; occas carb pf; occas hi angle calc-filled fracs									brkn
			~30			v. cs; cgl'itic i/p					76/63	-13			badly brkn
46											2.5/2.28m				
			32 35			cgl, grdg to v. cs; sub-rounded pebs gen. ≤ 3mm									basically solid
			51 64	86		cs, as above					61/87	+16			brkn
			1								95/2.89				
			28			v. cs; v-bdd									solid
						Box 2									
		2.63	7			v. cs, as above; cgl'itic									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

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B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	2.13		50			cgl, as above									solid
			75			v. cs					168/160	(+8)			"
											15 /4.57m				
			41			cgl, grdg to v cs; sub angular clasts ≤ 2mm									solid
46°			38			v. cs									"
						Box 3									
49°			47			v. cs; massive									solid
			35			cgl; angular pebs to 3mm; x-bdd					152/161	(+8)			"
				81							20'/6.10m				
		5.95	46			cgl, as above									solid
	5.95		19			v. cs; cgl'itic; abund. carb pf thruc									broken
			5			dkgrsh									badly broken
		6.19	619												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 2 of 50

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(49)	6.19		15			v.cs., rip-ups to 2cm thur; abund carb pt thur					semi-brkn
ROOF ↑	6.34		(14)			MC					
			29			CA; occas peacock staining					solid, brkn @ top
			2			CD					brkn
			(3)			MC					
						Box 4					
			10			CD, grdg to CC; hem staining along fracs					brkn
			(7)			MC					
			3		3058	CC					semi-solid
			·								
(42)			8			CA; peacock & hem stain thur					"
			(2)			MC					
			9			CB, hem stain thur					brkn
FLOOR		7.13	(2)			MC					
	7.13		7			grsh					"
				} 17			152/153	(+1)			
							25/2.62m				
			10			grsh					partly brkn
		7.32	2			dksh, grdg to csh					brkn
ROOF											

DRILL CORE LOG

Quintette Coal Limited

HOLE No. 1HD88005

PAGE No. 3 of 58

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
ROOF	7.32		4			CC									brkn badly
			(9)			MC									
			1			CA; peacock stain									"
FLOOR		7.85	(39)			MC									
	7.85		12			csh, grdg to CD									partly brkn
		8.07	(10)			MR									
ROOF	8.07		2			CB									"
			(9)			MC									
			6			CC									brkn
FLOOR		8.28	4			CB; peacock stain thur; grdg to CA									"
761 784 2nd															
(42)			~ 8			dksh									badly brkn
			(19)			MR									
			15			grsh									partly brkn
			5			dksh									brkn
	8.75		(10)			MC → (CD – CSH ?)									
		8.92	7			CD									pulverized
			8			grsh									brkn
		9.16	16			crsh; slightly carb									solid

887.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(6)				↑							141'/42.98m				153/148 (-5)
	42.73		11	56		vfs, as above									solid
			6			crsh ā vfs stringers									brkn.
				136				Box 17							
			135	130?		crsh, as above									"
			9			vfs, interbded crsh									solid
10°			6			fs; interbded crsl (interbds to 1cm), pf abund in sh. horizons									"
											146'/44.50m				152/167 (-15)
			25			vfs; abund interbded crsh; bioturb thur									solid
			37			ssh; minute pf thur									mostly solid
								Box 18							
				205											
		45.82	85	↓		ssh, as above; grdg to vfs at base									

45.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QN88002

PAGE No. 15

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	11.72		6			fs, grdg to ms; carb									solid
			14			cs									"
			16			vfs; grdg to ssh; carb									"
			4			cs; bioturb i/p; carb pf thur									"
(34)			3			vfs									"
			4			crsh									"
			4			vfs									"
			7			crsh; lor. sandy; carb i/p					152/151	-1			"
				10							40'/12.19m				
			11			crsh, as above; incr'ly sandy									partly brtn
			22			vfs, grdg to ssh									solid
(62)															
		1281	18			ms; occas carb pf									"

DRILL CORE LOG 12.17

Quintette Coal Limited

HOLE No. QHDR8005

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
62°	12.81		64			fs, grdg to ms; carb lam thur; x-bdd									solid
						Box 7									
				209											
			41			fs, grdg to ms as above					153/156	(+3)			solid
											45'/13.72m				
			104			fs, as above									solid
47°			43			vfs; interbdd ssh; bioturb; loc. grdg to fs					152/147	(-5)			
											50'/15.24m				
			12			ssh; carb pf thur									solid
						Box 8									
			33			vfs, grdg to ssh; interbdd ssh; bioturb i/p									solid
42°		16.75	97			ssh; coarse mag down; grdg to vfs; slightly carb									"

16.11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDR6005

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	16.75		12	45		vfs, grdg. to fs; carb pf thin					152/154	+2			solid
											55'/16.76 m				
			33			vfs, as above									"
			20			ssh; as above									"
(42)			10			vfs, grdg to ssh; bioturb; carb i/p									"
						Box 9									
			16			ssh; bioturb; carb i/p									solid
			17			vfs; interbdd ssh; carb i/p									"
			44			ssh; loc grdg to vfs; bioturb									"
			10			vfs, as above					153/156	-3			"
											60/18.29				
↓		18.45	8			ssh; carb									"

17.81

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
29°	18.45		107			fs; interbdd vfs & ssh; coarsening down; bioturb; carb pf thur					solid
						Box 10.					
			35	149		fs, as above; grdg to ms	152/150	(-2)			solid
							65'/19.81 m				
			7			fs, grdg to ms; crsh rip-ups thur					"
			29			ssh; carb i/p					"
43°			117			fs; interbdd ssh; bioturb; carb pf thur; loc grdg to vfs					brkn partly
				132			133/133	(5)			
							70'/21.34				
			15			fs, as above					solid
						Box 11					
		21.95	40			ssh, grdg to vfs; carb					solid

2131

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDRK005

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
44°	21.95		30			vfs; interbdd ssh; bioturb l/p; carb.									solid
			74			fs; carb pf thur; carb lam thur; min. interbdd vfs					152/159	(+7)			"
											75'/22.86m				
			66			fs, grdg fs ms; carb lam thur; x-bdd									
				259				Box 12							
			82			fs, as above					152/148	(-4)			solid
											80'/24.38m				
			37			fs; interbdd vfs; carb pf thur									solid
42°			80			vfs; interbdd ssh; carb pf thur									"
				117				Box 13							
		26.01	37			vfs, as above									solid
															so

25.37

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDK005

PAGE No. 10

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											153/154	+1			
											86/25.91m				
38°	26.01		124			vfs, as above; loc. grdg to fs									solid
			18			fs; ssh. lam. thur; carb pf thur					152/142	-10			"
											90'/27.43				
			15			vfs; grdg to fs; carb lam. thur									
				41		Box 14									
			26			vfs; interbdd ssh									solid
39°			55			ssh; carb i/p									"
			20			crsh; carb pf thur									"
			31			grsh; abund carb pf thur; loc. silty					153/147	-6			"
(45)				39							95'/28.96				
		28.98	8			grsh, as above									brkn

28.34

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88405

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	28.98		4			crsh									brkn partly
			12			ssh									solid
			14			vfs; carb pf thur; ssh. lam									"
			26			sh; carb i/p; grdg to gcsh									partly brkn
						Box 15									
(45)			25			crsh; carb i/p									solid
			22			ssh; carb pf thur									"
			22			crsh; carb pf thur; grdg to grsh									"
			9			grsh; incr'ly carb					152/142	-10			"
											100'/30.48m				
		31.31	99			sh; carb i/p; loc. silty									solid.
	31.31	31.56	25			grsh; abund carb pf thur									"

30.92

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 12

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 16					
	31.56		14	114		grsh, silty i/p					solid
			17			grsh, grdg to dkgrsh; occas coalified pf	132/135	(+3)			partly brkn
							105/32.00 m				
45°			58			grsh, as above					brkn @ top
		32.57	12		3059	dkgrsh					mostly solid
	32.57		(10)			MC					
			6	13		CB					pulverized
			7			CB					solid
			17			CA					"
(39)											
			21			CB					"
			4			CA					"
		33.26	4			CB; white oxide powder thru c					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88005

PAGE No. 13

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	33.26		5		3060	CD ; dull lustre; dense					153/134	C19			solid
				26							110/33.53	"			
			14			CD, as above									partly brkn
								Box 17							
		33.52	7			CD, as above									solid
			7		3061	CC									"
(39)			5			CB									"
			32			CA									"
			2			CC									"
			15			CA									"
			7			CB									solid
		34.51	31			CA									"

34.60

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8005

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	34.51		9		30.61	CB					122/129	+7			solid
											114/34.75 m				122/129 +7
			(11)			MC									
			31			CA									badly brkn zn top.
			2			CB									partly brkn
			7			CA									"
(39)															
			2			CB									"
			7			CA									"
			5			CB									mostly solid
			18			CA									"
								Box 18							
			(9)			MC									
		35.61	9			CC									pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 15

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	35.61		5		3061	csh									pulverized
		35.75	9			cc									mostly solid
	35.75		6		3062	csh, grdg to dksh									badly brkn
			(40)	43		MC					119/36.27m				152/101 (-51)
			(3)			MC									
			3			CD									brkn badly
			(11)			MR									
			(9)			MC									
		36.49	2			CB									"
(39)					3063										
			6			dkgrsh									"
			9			grsh									brkn
			(3)			MR									
			5			csh									badly brkn
	36.72		7		3064	CB									brkn
			3			CA									"
		36.87	5			cc									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8005

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	36.87		17	27		CB									pulverized
			≈15			CB									badly brkn to pulverized
			(60)	73		MC									
			(13)			MC					124/3700 m				153/67 (B6)
			14			CA									badly brkn
			2		3064	csh									brkn
			16			CA									"
			7			CB									"
			1			CA									"
			1			csh									"
		38.30	2			CA									"
39°		38.34	4	8	3065	csh									
								Box 19							

38.21

8.20
36.80
1.50

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88005

PAGE No. 17

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					←3065										
(39)	38.34		4' 1"			csh									mostly solid
↑			4			dkgrsh									
			10			crsh, grdg to ssh									solid
		39.22	70			vfs, grdg to ssh									"
				125							129/3932m				152/135 (-17)
		39.77	55			vfs									solid
	39.77		27			fs ; x-bdd									"
			43			vfs ; ssh lam thin; occas carb pf									"
						Box 20									
				101											
			28			vfs, grdg to fs; carb lam thin									solid
											134.5/46.0 o				168/153 (-15)
			30			vfs; lac gjdg to fs as above									"
36°		42.37	132	↓		fs; carb lam thin; lac bioturb									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							140/42.67m				167/162 (-5)
(36)	42.37		12	174		fs; grdg to ms; abund carb pf thru					solid
						Box 21					
↓↑			30			fs, as above; abund ssh rip ups 17-27					solid
38°			7			vfs, carb lam thru					"
			58			ms grdg to cs, abun pf thru ssh rip ups thru					"
			46			cs abun carb plant rmns thru					"
							145/44.20				153/153 (0)
			69			cs grdg to ms, as above x-bedded					"
						Box 22					
		45.50	91			cs, as above,					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							150/45.72				152/160 (+8)
	45.50		103			cs grdg to vcs, x-bedded, abdn carb. pl. remns thru.					solid – slightly brkn
				633		calc. filled fract.					
						BOX 23					
			57			cs loc grdg to ms occas carb. pf.					solid
							155/47.24				152/160 (+8)
(38)											
			152			cs as above x-bedded					solid
							160/48.77				153/152 (-1)
						Box 24					
			115			cs as above					"
↓ ↑											
			10			vfs grdg to ssh, sl carb					ptly brkn
31°		50.15	28	23		fs, bioturb, carb lam thru					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 20

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											165/50.29				152/153 (+1)
(31)	50.15		45			fs interbedded ssh, bioturb occ. carb. lam.									solid
						Box 25									
28°			96			fs interbedded vfs + ssh carb lam. thru.									solid
				120							170/51.82				153/141 (+12)
			24			fs as above									"
			93			ms, abun ssh rip-ups in top 36cm x-bedded									"
(41)						Box 26									
		53.09	36			ms, carb pl rmns thru, x-bedded									"
											175/53.34				152/153 (+1)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88005

PAGE No. 21

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				287							
41°	53.09		158			ms, as above					solid
							180/54.86				152/158 (+6)
			8			ms grdg to cs, x-bedded					"
				121		Box 27					
38°			113			ms, as above					"
			33			cs, x-bedded					"
							185/56.39				153/154 (+1)
			67			cs, as above, occ. carb pl. rmns. s-p					"
						Box 28					
		57.75	87			cs, as above					"
							190/57.91				152/154 (+2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
38°	57.75		123	↑		cs, as above									solid
						Box 29									
				414											
			35			cs, loc. grdg to ms coarsening down.									"
											195/59.44				153/158 (+5)
↓			69			vcs, occ. carb pl. rmns, s-p									"
↑															
35°			28			ms grdg. to cs, carb. lam. thru.									"
			49			cs loc. grdg to vcs, x-bedded occ. carb. pl rmns.									"
											200/60.96				152/146 (-6)
			19			vcs, x-bedded, abun. carb pl. rmns									"
						Box 30									
		61.69	71	↓		vcs as above									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	61.69		63			cs loc grdg to ms, abun. carb pl. remains thru.					solid
							205/62.48				152/153 (+1)
			75	46.9		cs as above.					"
						Box 31					
			74			cs, occ. carb lam., abundant ssh rip ups in bottom 15 cm. occ calcite filled fracs.					mostly solid.
							210/64.01				153/149 (-4)
			118 122								
35°						cs, loc. grdg to ms, calcite filled fracs thru top 70 cm					broken in top 32 cm. otherwise solid
						Box 32					
(17)		65.20	21			ms grdg to cs, x-bedded abun. ssh rip-ups in bottom 5 cm.					solid.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

PAGE No. 24

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	65.20	65.24	4			CA,					badly broken to plvrzd.
	65.24		15			ms, as above occ. carb pl. rmns.					
							215/65.53				152/162 (+10)
			(5)			MR					
17°			144			ms grdg to cs. minor interbedded vfs from 20-45, carb pl. frags thru, x-bedded.					solid
							220/67.06				153/144 (-9)
			9.	2.31		ms, calc filled high ∠ fracs. x-bedded					15
						Box 33					
			78			ms grdg to cs. x-bedded, occ. carb pl rmns.					11
							223/67.97				91/87 (-4)
35°		68.99	174	1.56		ms, as above, occ. calc Filled fracs					11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
						Box 34									
	68.97		32	↑		ms as above carb lam thru. grdg to cs.							–		solid
↑											228/69.49				152/166 (+14)
38°			158			ms calc filled Fracs thru. x-bedded carb lam.									"
				164							233/71.02				153/158 (+5)
			6			ms as above.									"
↓															
(45)						Box 35									
35°-55°			150			cs x-bedded carb lam thru. calc filled Fracs.									"
	↑ BCN increases with depth.			266							238.5/72.69				153/156 (+3)
		72.96	51	↓		cs as above.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

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BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 36					
	72.96		65			cs grdg to vcs, x-bedded					solid
			22			ms, quartzose, calcite filled fracs					"
			20			cs, as above, calc filled fracs					"
				120			243.5/74.22				153/158 (+5)
(45)											
			100			cs grdg to vcs, calc filled fracs thru x-bedded					broken in bottom 15cm otherwise solid
			(4)			MR					
						Box 37					
			12			cs, as above,					solid
			45			vfs, bioturb, slightly carb, interbedded ssh					solid.
(40)				154			249/75.90				168/157 (-9)
		76.73	109			vfs as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 27

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
40°	76.73		39			ssh, interbedded vfs, bioturb slightly carb									solid
						Box 38									
			9	81		ssh as above									"
											254/77.42				152/157 (+5)
			33			ssh, as above, grdg to vfs									"
43°			71			vfs, interbedded ssh, carb pl runs thru bioturbated i/p									"
			50			fs, carb lam thru									"
											259/78.94				152/154 (+2)
			12			vfs, ssh lam thru									"
		79.06	19			ssh grdg to vfs, slightly carb									"
(44)						Box 39									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 28

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	79.06		8			vfs, ssh lam. thru, x-bedded					solid
44°		79.91	77			ssh, carb pl. remains thru,					solid
	79.91		38			crsh, carb i/p					"
				116			264/80.47				153/154 (+1)
			78			crsh as above					"
						Box 40					
		81.39	32			grsh					solid
	81.39		1			CB					brkn
			1			CA					"
			7	4		grsh, silty i/p					solid
	81.48	81.51	3		3066	CA					badly brkn
70							268/81.69				122/122 (0)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

PAGE No. 29

changed.

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	81.51		1			CD					badly brkn
			9			powdered coal (CA?) mixed with gummy drilling polymer					powdered
			17			CA as above					badly brkn to pulverized
			3		3066	CB					bdly brkn
			25			CA					"
(70)			7			CC					"
			8			CB					"
		82.47	26			CC					"
	82.47		(32)			MR (coacy)	272/82.91				123/96 (26) .6
	82.79		A		3067	CD					"
		83.05	22			csh grdg to CD					partly brkn appears milled.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

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changed.

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 41					
			1								
	83.05		20	} 42		csh					brkn
			13		3067	dksh					"
		83.48	10			csh, trace of pyrite grdg to dksh					solid
			(52)	} 33 coaly rock } 19 = rock		MR - coaly rock. MR					
							276/84.12				121/69 (52)
(70)											
			8			grsh, carb pl rmns thru, silty in part					solid, milled at top
		84.12	(4)			MR					
			~~4~~	Not included in tally		rubble, mixed brkn core cc → csh & drilling mud.					brkn.
					Not Sampled	*NOTE: tube not locked in : lost core interval	Down 5'				
							280/85.34				122/17 (105)
	84.12	85.17	(105)			MC					
	85.17	85.37	20		3068	CB					bdly brkn to pluzd.

53

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

PAGE No. 31

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	85.37		(14)		3068	MR									
		86.24	6			dkgrsh									bdly brkn
	86.24		12			CC grdng to CB									"
			(48)			MC									
			2			CA									"
		86.91	5			CB									"
	—	—	7			crsh, carb thru, sandy i/p.									partly brkn
	—	—	60			vfs, carb pl. rmns thru									solid
											285/86.87				153/112 (-41)
						Box A2									
	86.91	87.64	73			crsh, loc sandy, carb pl rmns thru									solid
70°			44			ssh, bioturb; carb pl. rmns thru									"
(85)		88.13.	5			vfs, ssh lams thru.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							290/88.39				152/122 (-30)
~85°	88.13		~~82~~ 80			vfs as above bioturb * BCN apparently = 90°					solid
						Box 43					
			81								
			~~83~~			vfs, as above, loc grading to ssh					solid
							295/89.97				153/165 (+12)
			121	327		vfs, as above, calcite filled fracs from 38-121					"
						Box 44					
			20			vfs, gdg to ssh, very high BCN ~90°					"
							300/91.44				152/141 (-11)
↓			20			vfs, as above					"
↑			70								
(77)		92.05	~~71~~			fs, occ calc. filled fracs minor carb mat thru					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 33

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
77°	92.05		66			ssh, loc grdg to vfs					solid
			65			abun. calc. filled Fracs in top 30cm					
							305/92.96				152/157 (+5)
				89							
			16			ssh, interbedded vfs, slightly carb.					"
						Box 45					
↓			8			ssh, as above					"
62°			46			vfs, interbedded ssh, bioturb					"
			83								
			84			ssh, as above					"
							310/94.49				153/154 (+1)
(42)			73			ssh, as above					"
						Box 46					
			81								
		95.77	83	↓		ssh, loc grdg to vfs, occ carb pl vnns bioturb					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8005

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											315/96.01				152/156 (+4)
42°	95.72		178			ssh, as above									solid
						Box 47									
			23	564		ssh, as above									"
											320/97.54				153/151 (-2)
			152/154			ssh, as above									"
											325/99.06				152/154 (+2)
			24			ssh, as above									"
						Box 48									
		100.29	125			ssh, increasingly sandy, slightly carbonaceous,									"
(46)											330/100.58				152/149 (-3)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
46°	100.99		~~77~~ 75	} 200		ssh, thin vFs lams thru, sl. carb.					solid
						Box 49					
			45								
44°			~~46~~			ssh, bioturbated, carb pl rms thru.					"
			~~34~~ 33			grsh, abun carb pl. rms thru silty in part					"
							335/102.11				153/157 (+4)
			33			crsh, carb i/p					"
97.97			84			grsh, lcm coal stger at 20cm (CA)					"
						Box 50					
103.81	102.99		6			CA					pluzd
80			3			dkgrsh					solid
		103.10	2			CD, gdg to csh					badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88005

PAGE No. 36

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
(49)	103.10	103.12	2			CA					pluzd
			18			ssh, bioturb, abun carb pl rmns thru					solid
				65			340/103.63				152/148 (-4)
			47			ssh, as above					"
			59			vfs, loc grdg to ssh, bioturb occ carb pl. rmns.					"
47°			35			ssh, as above					"
							345/105.16				153/141 (-12)
			23			ssh, abun carb pl rmns thru					"
				204		Box 51					
		106.28	134			ssh, increasingly carbonaceous, loc. grdg to grsh					"
							350/106.68				152/157 (+5)

106.28

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(47)	106.28		12	↑		ssh, as above									solid
49°			36			vfs, ssh lam. thru, bioturb i/p									"
			25	} 26		crsh									"
						Box 52									
			1			crsh									"
			13			ssh									"
			8			vfs, bioturb, occ. carb pl. rmns.									"
			26			ssh, grdg to vfs, carb pl. rmns thru.									
↓ ↑			45	} 90		vfs grdg to fs, minor interbedded ssh, occ carb pl rmns									"
(44)											355/108.20				152/166 (+14)
		108.39	45			vfs, as above									"

108.39

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8005

PAGE No. 38

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	108.39		12			ms, crsh rip-ups thru					solid
44°			59			vfs, as above, ms 34-36					"
						Box 53					
			40	} 105		fs grdg to vfs, occ. carb pl rmns					"
							360/109.73				153/156 (+3)
45°			65			fs, as above					"
			30			vfs, ssh lam thru,					"
			32			fs, as above					"
			29			vfs, minor interbedded fs, occ. carb. pl. rmns					"
				} 124			365/111.25				152/156 (+4)
		111.16	10			vfs, as above					"

DRILL CORE LOG 111.16

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 39

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 54									
(43)	111.16		85			vfs, interbedded ssh, occ carb pl. rmns									solid
44°			28			ssh									"
			8			vfs									"
			23			ssh, slightly carb.; vfs lams thru									"
											370/112.78				153/154 (+1)
			57	155		ssh loc grdg to vfs									"
						Box 55									
42°			75			ssh, sl carb									"
		114.21	29			crsh, sl carb.									"
											375/114.30				152/161 (+9)

114.21

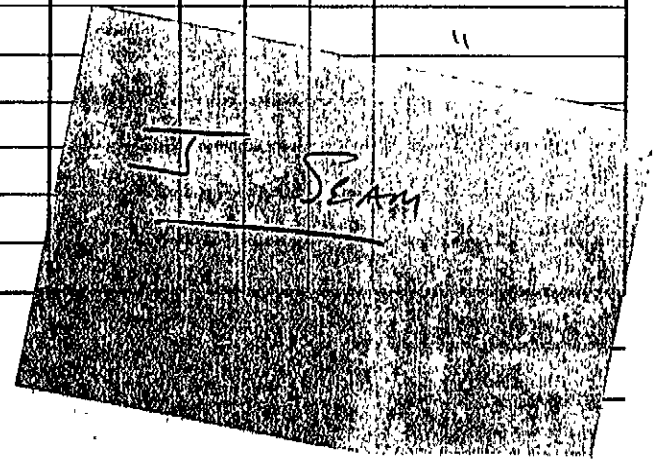
DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH084005

PAGE No. 40

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	114.21	114.99	78			sh loc grdg to grsh					partly brkn
	114.99		18			grsh, increasingly carbonaceous					brkn.
(42)				31		Box 56					
			13			grsh					partly brkn
16.35 / 15.45 / .90			11			dk grsh MC					"
	115.41		(4) 8		3069	CB					plvzd
	115.53	115.63	10			dk sh MC					partly brkn
(53)			(2)				380/115.82				152/138 (14)
			15			CB					bdly brkn
			22		3070	CA					"
			19			CB					
		116.25	4			CA					
		116.23									



DRILL CORE LOG

Quintette Coal Limited

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	116.25		4			CB									bdly brkn
			32			CA									"
			3			CD									"
		111.71	10			CA									pluzd
(53)											383.5/116.89				107/109 (+2)
				18											
						Box 57									
			8'			CA									bdly brkn
			4			CB									"
			6			CC									"
			38			CB	trace pyrite, occ CA bands								"
			25			CA									bdly brkn-pluzd
		117.60	5			CD									brkn

3070

117.60

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTH88005

PAGE No. 42

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	117.60		20			CA									plvzd
			(17)			MC									
											388/118.26				137/106 (-31)
			2			csh									solid
			15			CB									badly brkn
			4			csh									solid
(53)			6			ssh gdg to vfs, carbonaceous									solid
			16			CA									partly brkn
				23		Box 58									
			5			CA									mostly solid
			8			CD									"
			3			CB									"
		119.02	42			CA									"

3070

DRILL CORE LOG 118.85

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 43

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	119.02		6			CD									mostly solid
			4			CB									"
			5			CA									brkn
			4			CC									"
			20			CA									"
			10			csh grdg to CD									solid
											393/119.79				153/154 (+1)
			1			CB									"
			5			CD									"
53°			7			CC									"
			7			CB									"
		119.76	5			CA									"

3070

119.59

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

PAGE No. 44

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	119.76		12			CB									solid
			39			CA									"
			8			CB									"
			7			CA									"
						BOX 59									
(53)															
			16		3070	CB									solid
			30			CA									top 10 solid bot 20 badly broken
			5			CD									solid
			4			CA									brkn
				9							398/121.31				152/146 (6)
			5			CA									mostly solid
		121.09	7			CB									"

120.92

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD84005

PAGE No. 45

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	121.09		30			CA									mostly solid
			8			CC									"
			6			CA									"
			2			CC									"
			7			CA									"
			9												
(53)			2			CA									partly brkn
			4			CD									"
			18			CA									"
			2			CC									"
			12			CA									"
			4			CB									"
		122.07	3			CA									"

3070

121A0

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTID88005

PAGE No. 46

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	122.07		3			CC									partly brkn
			11		3070	CA									11
				41				BOX 60							
		122.51	30			CA									bdly brkn
											403/122	83			152/154 (+2)
53°			82			ssh, carb. pl. mat thru bioturbated									solid
			1		3071	csh									11
			5			CA									partly brkn
			(1)			mc									
48°			40			grsh									solid
			5			dkgrsh									11
	123.85		5		3072	CB									plvzd
		124.04	(14)			mc									

22.51
122.34
- 17

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 47

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
											408/124.36				153/138 (15)
						Box 61									
	124.04		18			CB									brkn - bdly brkn
			10			CD									"
(48)			22			CB									"
			10			CA									"
			6			CB									"
			6			CA									plvzd
			8			CB									bdly brkn
			(38)			mc									
		125.34	12			CA									plvzd
(46)		125.60	26			vfs, grdg fo ssh; carbonaceous									solid
											413/125.88				152/118 (-34)

DRILL CORE LOG 125.08

Quintette Coal Limited

HOLE No. QHDD8005

PAGE No. 48

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				↑31											
	125.60		5	}		vfs as above									solid
46°		125.97	32			ssh, carb. pl. mat thru									"
			19			vfs, minor interbedded ssh occ. carb. pl. remains									"
				1		Box 62									
55°			40			fs grdg to vfs, carb. pl rmns thru									"
			22			ssh, bioturbated									"
			19			fs, occ. carb. pl. rmns									"
			18	}		ssh grdg to csh, sl. carb.									"
				105							A18/127.41				153/155 (+2)
		128.02	87	}		ssh grdg to vfs, calc. filled fracs thru carb i/p.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. Q4D88005

PAGE No. 49

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
40°	128.02		13			vfs, ssh lam. thru occ calcite filled fracs.					solid
						Box 63					
			28		FAULT	vfs intensely fractured calcite filled fracs thru. breccia & s/sides Fault zone?					brkn
			15			vfs grdg to ssh, slightly carb.					solid
							423/128.43				152/143 (-9)
			15			ssh, carb i/p., grdg to vfs.					"
51°			24			vfs, ssh lam thru disturbed bedding					"
			8			crsh, sandy i/p, sl. carb.					"
		129.25	20			vfs					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(51)	129.25		56			Fs, minor interbedded ssh									solid
↓			4			crsh, sl carb									brkn
			5			ssh									"
						Box 64									
			20	29		ssh, carb pl rmns thru									solid
											426/130.	A5			152/157 (0)
			4			ssh, as above									"
			36			vfs, carb pl. rmns thru									"
		131.00	50			ssh, carb i/p, bioturb									"
	131.00		2			CA									bdly brkn
		131.20	(18)												
49°	131.20		31			crsh, carb i/p, grdg to grsh									solid
↓		131.65	14			ssh grdg to vfs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 51

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	131.65		22	} 75		vfs carb pl. mins thru					solid
							433/131.98				153/159 (+6)
						Box 65					
43°			53			vfs, as above, grdy to fs					solid
			18			ssh grdg to crsh carb i/p					"
			58			sh, carb i/p					"
			24	} 75		dkgrsh, coal lam to 1mm thru					brkn
							438/133.50				152/153 (+1)
			33			dkgrsh, as above					mostly solid
						Box 66					
			18			dkgrsh as above					solid
		134.17	26			crsh, carb pl mins thru					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8005

PAGE No. 52

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(43)	134.17		17			ssh, carb i/p									solid
↑															
44			66			vfs, ssh lam thru, carb i/p									"
				148							443/135.03				153/155 (+2)
			82			vfs, as above									"
						Box 67									
			23			fs lic grdg to ms, minor interbedded ssh									"
↓															
↑			2			crsh									"
			52			cs, carb pl. rmns thru									"
(58)															
											445/136.70				167/159 (-8)
			40			cs, as above									"
		137.02	8			fs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 53

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	137.02	137.06	4			vfs, thin sch lamas thru.									solid
	137.06		2			crsh, slightly carb.									"
58°			13			vfs, carb pl. rmns thru									"
			(12)			MB									
		137.36	3			dksh									brkn
	137.36		11			CB									"
			41			CA									solid
						Box 68									
			9			CA									solid
(40)			5			CB									"
			6			CA									"
			2			CB									"
		138.13	3			CC									"

50

3073

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 54

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			3		3073	CA									solid
			2			CB									"
											453.5/138.22				152/152 ⊙
			(9)			MC									
			14			CA									brkn
		138.44	3			CC									"
					3074										
			13			vfs grdg to ssh; carbonaceous									solid
			4			CB									bdly brkn
		138.66	5			csh									"
			1			dkgrsh									solid
			9			ssh, carb pl. rmns thru									"
40°		139.27	51			vfs, carb lam. thru, loc. grdg to ssh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86005

PAGE No. 55

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	139.27		20			crsh, carb. i/p									solid
			9			grsh									"
(40)															
			17			dkgrsh									"
											459/139.90				158/146 (-12)
						Box 69									
46			31			vFs bioturb very carbonaceous									solid
			18			dkgrsh, sandy i/p									"
			39			vFs as above									"
			57			dkgrsh, as above									"
											464/141.43				153/145 (-8)
(44)															
		141.77	59	122		dkgrsh, as above									top 15cm brkn otherwise solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 56

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
						Box 70									
	141.77		6	↑		dkgrsh, as above									solid
			26			ssh, grdg to vfs, carbonaceous									"
44°			65			grsh, locally silty									top 20cm badly brkn otherwise solid
											469/142.95				152/158 (+6)
			41			crsh, carbonaceous i/p									solid
			40			ssh, carbonaceous i/p									"
						Box 71									
			68			crsh, carbonaceous i/p grdg to grsh,									"
				164							474/144.48				153/149 (-4)
44°		145.21	96			crsh, as above locally sandy									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88005

PAGE No. 57

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 19									
	67.82		(11)			MC									
		68.03	10			CA									pulverized
	68.03	68.06	3			CD									"
	68.06		7			CA									"
			4			CB									pulverized
			(2)			MC									
			60			CA									"
			3			CB									solid
		68.84	2			CA									"
	68.84	68.87	3			csh									"
			13			CA									badly brkn.
			14			CB									mostly solid
			13			CA.									solid
(46)															
			5			cc.					/				"
			(20)			MC					225'/68.58m				152/173 (+21)
		69.58	6			CB									brkn
FLOOR															
			5			csh									"
		69.83	20			dksh									basically solid
						Box 20									

3020

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 15

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						QHD88006					
						Box 1					
	0.00	1.44				Casing to 5 Ft.	1.52m				
			29			ms grdg to fs, x-bedded					brkn
25°			31			fs, ssh lams thru, occ calcite filled fracs, occ. carb pl: rms.					"
			80			vfs loc. grdg to ts, bioturbated. occ. carb pl: rms					mostly solid
				110							
							10/3.05				153/140 (-13)
			30			vfs, as above					brkn.
						Box 2					
		4.24 ~	110	↓		ssh grdg to vfs; occ. carb pl. rms., bioturb i/p hematite stained thru.					badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 1

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							15/4.57				152/140 (-12)
	4.24	~60	170			ssh as above hematite stained thru. BOX 3					badly brkn
			30			vfs grdg to sandy shale concretionary, calc filled fracs thru.					mostly solid
		~45				ssh occ carb pl rmns ord. concretions					badly brkn
(25)				100							
		6.14 ~55				ssh grdg to csh, sl carb, fractured, hematite stained thru.					"
	6.14	6.37	23			sh locally silty; carb pl rmns thru. Box 4					"
	6.37	6.41	4			CD grdg to csh					v. badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTH88006

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	6.41	6.42	(1)			MC									
			~10			grsh ; coal lam to 1mm thru									badly brkn=plvzd
			2			csh									solid
ROOF	6.54		~20			CC grdg to CB, weathered									plvzd
			10			CB									plvzd
(25)			(45)			MC									
											25/7.67				305/259 (-46)
			4		3075	CB									11
			12			CA									brkn
FLOOR		7.90	45			CB, H_2O sat.,									partly brkn
			(8)			MR									
			18			ms carb pl rmns thru									solid
55°		8.63	47	53		FS, carb pl rmns thru, calcite filled fracs thru									mostly solid
						Box 5									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD68006

PAGE No. 3

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(33)	8.63	8.69	6	↕		fs, as above					solid
							30/9.14				152/132 (-20)
34	8.69		70			fs, interbedded vfs carb lam. thru. occ. calcite filled fracs					11
			18			vfs, occ. carb pl. lmns; bioturb.; occ calcite filled fracs					11
		~	22			fault gouge: primarily fs–vfs chaotically disturbed with abundant calc filled Fracs. bottom 5cm is plvzd gouge with abundant calcite					brkn-plvzd
			50			vfs lpc. grdg to ssh bioturb., sli. carb					solid
(35)							35/10.67				153/160 (+7)
			(7)			MR					
		10.50 ~	14	↓		vfs, as above					brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 4

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 6									
35°	10.50		98	112		vfs, as above									solid
			53			ssh grdg to vfs, sl carb.									"
											40/12.19				152/145 (-7)
			61			ssh, as above									"
						Box 7									
			83	291		ssh bioturb, grdg to crsh sd. carb.									"
											A5/13.72				153/144 (-9)
			114			ssh, as above occasional calcite filled fracs									top 7cm milled & broken. otherwise solid
						Box 8									
		14.77	36			crsh; carb i/p									solid.
											50/15.24				152/152

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	14.77	15.13	36	↑74		crsh, as above, carb pl rmns thru									solid
	15.13		48			grsh, locally silty/occ coal lam to ½cm									top 6cm bdly brkn otherwise mostly solid.
			1			dkgrsh									brkn
		15.66	(4) 5			MR									
	15.66				3076	csh									"
(35)		15.80	11			Dkgrsh									"
	15.80		16			CA									brkn.
			11			CB									pluzed.
			19			CA									"
			(3)		3077	MC									
											55/16.76				152/145 (-7)
						BOX 9									
		16.38	9			CA									partly brkn.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88006

PAGE No. 6

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	16.38		3			CB									arlly brkn
			13		3077	CA									"
		16.61	7			CB									"
	16.61		12			csh									"
			(22)		3078	MR									
			6			CD									"
(35)		17.05	4			csh									"
	17.05		9 5			CB									plvzd
			3 2			CC									brkn
			35 29			CA									"
			13 10		3079	CB									"
	17.51	17.65	14			Csh -heared									plvzd
		17.84	19			CB									brkn
			17.96												

72P

#2 UPPER

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88006

PAGE No. 7

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	17.84		(15)			MC					60/18.29				153/147 (-6)
	1 6		8			CB									brkn
			27		3079	CA grdg to CB, sheared									plvzd
				30		Box 10									
		18.37	3			CA, as above									"
	18.37		19			csh									"
			18			dkgrsh									bdly brkn
		18.96	(9) (13)			MC MR									
	18.96		4		3080	CC									plvzd
			10			CB									"
			(14)			MC									
	19.24	19.31	7			dksh									partly brkn
											65/19.81				152/96 (-56)
	19.31		(38)			MC									
F2 LOWER		19.78	9		3081	CC									bdly brkn-plvzd

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 8

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
SS															
	19.78	19.82	4			csh									brkn
			(79)			MC									
			22			CC									plvzd
			3			CD									"
			12			CC									"
			10			CD									"
			2			CA									partly brkn
					3081										
			2			CC									"
	20.52		2			CD									"
			2			csh									"
			1			CA									"
			~~14~~ 15			CD									"
V		20.76	~~3~~ 4			csh									a

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	20.76		2			CC									partly brkn
			2			CB									"
			67		3081	CA									"
			3			CC									"
			4			csh									"
(35)							Box 11								
		20.97	3			CB									brkn
			5			dkgrsh									badly brkn
											70/21.34				153/111 (42)
			14			dksh									brkn
	21.93		77			grsh									partly brkn
	21.96		3			dkgrsh									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88006

PAGE No. 10

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	21.96.		(17)			MR									
			2			CB									pluzd
			24			dksh grdg to csh									solid
			15			csh, abun. carb pl. rmns thru									mostly solid
											75/22.86				152/135 (-17)
		~25				sh, loc. silty carb i/p, loc. grdg. to gsh									badly brkn
						Box 12									"
			8			gsh, occ. coal lam. to 2mm									solid
			50			csh, sl. carb									"
			23			gsh; as above									brkn
			30			sh, carb i/p, loc silty									"
		24.00	10			gsh, silty i/p, coal lam to 3mm									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH0884X6

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	24.00		9			crsh, sandy i/p occ carb pl rmns					solid
(35)											
							80/24.38				152/155 (+3)
28			69			vfs, loc. grdy to ssh, bioturb, carb pl. rmns thru abundant calcite filled fracs in bottom 20cm.					"
				81		Box 13					
			12			vfs, as above					"
			10			grsh, coal lam to 2mm thru sheared					partly brkn
			(4) 9			MR. crsh, carb i/p					brkn
			17			vfs, bioturb. slicks, occ carb pl rmns					solid
(27)											
		25.50	20			Fault gouge? see description on next page					plvzd

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				gouge cont.		vfs to ssh, abundant bentonite stains thru, poorly consolidated, no structural definition.									
	25.50		12			ssh, grdg to vfs, occ. carb pl. rmns									solid
				53							85/25.91				153/149 (-4)
			41			ssh, as above									solid
27°			58			vfs, grdg to ssh, bioturb occ. carb pl. rmns									"
						Box 14									
			42			ssh, carb i/p; grdg to vfs									"
		27.09	6			vfs, occ. carb pl. rmns.									"
											90/27.43				152/147 (-5)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	27.09		150	156		vfs interbedded ssh, minor interbedded fs, bioturb, occ. calcite filled fraes; occ carb. pl. rmns.									solid
(27)															
											95/28.96				153/150 (-3)
						Box 15									
24°			116			ssh; as above									solid
			31			crsh, high ∠ fraes, sl. carb. MR									partly broken
			(5)								100/30.48				152/147 (-5)
			50			crsh; as above									solid
						Box 16									
			17			ssh abun. carb. pl. rmns thru									solid
21°		30.87	9			vfs, interbedded ssh									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTH88006

PAGE No. 14

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	30.87		34			fs grdg to vfs ssh lam thru fractured corroded with hematite stains thru.					bkn
			23			vfs bioturb i/p, interbedded ssh					solid
			4			ssh:					11
(21)			17	41		crsh, carb. i/p					11
							105/32.00				152/154 (+2)
			24			crsh, as above					11
			6			fs grdg to ms, carb pl. rmns thru					11
			9			vfs, as above					11
(14)		32.12	6			ssh grdg to vfs, bioturb carb pl. rmns thru.					11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88026

PAGE No. 15

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	32.12		29			ms grdg to fs occ carb. pl. rmns. calcite filled fracs hemetite stained thru.									partly brkn.
			(10)			MR									
						Box 17									
			19			ssh; carb i/p									solid
14°			32			vfs; interbedded ssh									"
			14	64		ssh; as above									"
											110/33.53!				153/141 (-12)
		33.66	50			ssh; as above									"
	33.66		40			sh, carb i/p									"
			5			grsh									"
	34.11		3			CD									brkn.
(9)		34.22	8		3082	CA									mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH86002

PAGE No. 16

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	34.22		4			CB									mostly solid
			7			CA									"
			20			CB									"
			4			CD									"
			3			CC									"
(9)					3082										
			1			CB									"
							Box 18								
			4			CA									brkn
			3			CB									"
			2			CA									"
			3			CB									"
		34.75	2			CA									bdly brkn
			34.75												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH D88(x)6

PAGE No. 17

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											115/35.05				152/159 (+7)
	34.75		(4)			MC									
			2			CA									brkn
					3082										
			3			CC									"
			6			CA									"
(9)															
34.88		34.92	2			CD									"
	34.92		2			dksh									solid
			3		3083	dkgrsh									"
		35.26	29			crsh, abun carb pl. rmns thru.									"
	35.26		(86)			MC									
			12			CB									bdly brkn
			5		3084	CA									"
				14											
											120/36.58				153/164 (-89)
		36.38	9			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88006

PAGE No. 18

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	36.38		4		3084	CB	minor pyrite thrus								solid
		36.44	2			CD									u
	36.44		29		3085	vfs grdg to ssh carb with occ carbonized & pyritized pl. rmns thrus									"
		36.78	(5)			MR									
			5		3086	CA									bdly brkn
			9			CB									plvzd
			6			CA									brkn
			4			CB									"
			1			CC									"
			5			CA									"
			4			CB									u
		37.16	4			CA									"

6.44 35.58 .86

37.16

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						MS cont. – occ calcite filled fracs					
(40)	61.31		42			cs grdg to vcs, occ calcite filled fracs					solid
			10			ssh, occ calcite filled fracs, sl. carb					"
				"			204/62.18				152/151 (-1)
25°			67			ssh, as above					solid
						Box 31					
23°			92			crsh, sl. carb., loc. sandy MR					mostly solid
			(6)				209.5/63.85				167/159 (-8)
			91			crsh, as above					"
		64.67	28			grsh, increasingly carb. silty i/p					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86006

PAGE No. 28

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	38.86	39.17	31			ms ; carb pl. rmns thru									solid
(9)															
			"			FAULT?					130/39.62				152/111 (-41) (-4)
	39.17		2			CC									brkn
			10			CA									"
		~	(41)			(MC)									
			3			CB									bdly brkn - pluzd.
(21)															
						Box 20									
			20			CA									"
			1		3088	dkgrsh									solid
			10			CB									pluzd
		~	(46)			(MC)									
			15			CA									bdly brkn - pluzd
		40.74	9			CC									solid
											135/41.15				153/70 (-83) (+4)

G3 Repeat

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 21

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	40.74		(9)		3088 ↓	mc									
40.90 3991 /99		40.85	4			cc									brkn
			2			csh									"
3990 94		40.90	3			cd									"
			6			dksh, silty i/p, coal lam to ½ mm thru									solid
			10			vfs, abun. carb. pl. rmns. thru									"
(21)															
		41.53.	47			ssh; carb i/p									"
	41.53		6			vfs, abun. carb. pl. rmns. thru									"
			40			fs, calcite filled fracs in top 6cm abun. carb. pl. rmns thru									"
			3			vfs									"
		42.21	17			sh; carb i/p, grdg to grsl locally silty									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 22

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 21					
	42.21		5	26		crsh, carb i/p, fractured					partly broken
							140/42.67				152/145 (-7)
			21			crsh, as above					solid
			134	111		ssh abun carb pl. rmns thru interbedded vfs					"
							145/44.20				153/155 (+2)
21°			37			ssh, as above					"
						Box 22					
24°			58			vfs, interbedded ssh, carb i/p					"
		45.34	58			crsh, abund carb pl. rmns thru					"
							150/45.72				152/153 (+1)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH86006

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(24)	45.34		(12)			MR					
	45.46	45.87	A1			grsh, silty i/p, loc: grdg to crsh					brkn.
			38			vfs, carb i/p, bioturb					solid
				99		Box 23					
			61			vFS, minor interbedded ssh as above					11
							155/47.24				152/140 (-12)
			(11)			MR.					
			20			ssh, bioturb					brkn in top 3cm otherwise solid
			122			vfs, bioturb thru, abundant preserved root matter					solid.
							160/48.77				153/142 (-11)
				538		Box 24					
160		49.98	159			vfs, as above					11
							165/50.29				152/159 (+7)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86006

PAGE No. 24

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	49.98		49			vfs, interbedded ssh, bioturb sl. carb.					solid
						Box 25					
(16)											
			96			vfs, as above					"
							170/51.82				153/145 (-8)
			112			vfs, as above, occ. calcite filled fracs, abund. preserved root matter					"
						Box 26					
			4			ssh grdg to vfs, calcite filled fracs thru'					"
			4			sh, silty i/p, sl. carb					"
↓		52.96	33			ssh, as above					"
							175/53.34				152/153 (+1)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86006

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
28°	52.96		146			vfs, abun. calcite filled fracs thru. slicks, bottom 30cm intensly fractured fault zone?									bottom 30cm broken otherwise solid
			(6)			MR									
											180/54.86				152/146 (-6)
			10			vfs, bioturb, occ carb pl rmns									solid
						Box 27									
34°			139			vfs, loc. grdg to fs, ssh lams thru, occ carb pl. rmns occ calcite filled fracs									mostly solid
			(3)			MR									
											185/56.39				153/149 (-4)
			57			Fs, minor interbedded vfs+ssh occ calcite filled fracs.									solid
(40)						Box 28									
		57.52	95			fs grdy to mis, x-bedded, occ calcite filled fracs.									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 26

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							190/57.91				152/152
				1.71							
40	57.52		19			FS, as above					solid
			91			ms grdg to fs; occ calcite filled fracs					brkn 50-59 otherwise solid
				139							
						Box 29					
			48			ms, as above, intensely fractured					solid
							195/59.44				153/158 (+5)
			(4)			MR.					
			118			ms, as above					mostly solid infilled at top brkn 88-93
							199/60.66				122/118 (-4)
				217							
			14			ms, as above					
						Box 30					
		61.31	85			ms, coarsening down; abun ssh rip-ups in top 75cm - cont.					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTH88006

PAGE No. 27

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						MS cont. – occ calcite filled fracs					
(40)	61.31		42			cs grdg to vcs, occ calcite filled fracs					solid
			10			ssh, occ calcite filled fracs, sl. carb					"
				"			204/62.18				152/151 (-1)
25°			67			ssh, as above					solid
						Box 31					
23°			92			crsh, sl. carb., loc. sandy MR					mostly solid
			(6)				209.5/63.85				167/159 (-8)
			91			crsh, as above					"
		64.67	28			grsh, increasingly carb. silty i/p					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD86006

PAGE No. 28

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
						Box 32									
	64.67	64.83	16	44		grsh, as above									mostly solid
	64.83		16			csh, carb i/p, grdg to grsh									solid
			6			grsh									badly brkn
				23							214.5/65.38				153/157 (+4)
			17			grsh									"
(23)															
		65.29	7			dkgrsh									brkn.
	65.29		13		3089	CB									"
			15			CA									"
			8			CB									"
			19			CA									"
		65.85	1			csh									"
		65.85													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 29

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	65.85		3			CC									brkn
			1			CD									11
			28			CA									pluzd
			(53)			MC									
											220/67.06				168/113 (53)
											66.71				
			3			CA						.35			brkn
			4		3089	CB									11
(23)			10			CA									mostly solid
			3			CB									brkn
						Box 33									
			21			CA									partly brkn
			2			CC									11
		67.19	5			CA									11

67.19

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 30

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	67.19		15			CB									plvzd
			8			CA									mostly solid
			6			CB									"
			4			CA									plvzd
			10			CB									"
			5		3089	CA									partly brkn
(23)			7			CB									"
			9			CC									"
			10			CB									"
			7			CA									"
			2			CC									"
		68.06	4			CA									"

68.06

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH86006

PAGE No. 31

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	68.06		13			CB									v. bdly brkn
			(2)			MC									
											225/68	58			152/148 (4)
			11			CC									brkn
			31			CA									"
			4			csh									"
			8			CA									"
(23)					3089										
				35		BOX 34									
			27			CA									partly brkn
			2			CD									"
			3			CA									"
			8			CB									"
		69.25	10			CA									"

69.23

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTH88006

PAGE No. 32

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec., r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	69.25		10			CB									plyzd
			2			CD									partly broken
			2			csh									"
			2			CB									"
			2		3089	csh									"
			2			CD									"
(23)			9			CC									plyzd
			(19)			MC									
											230/70.10				152/133 (-19)"
69.76		69.95	22			CC locally grdg to CD									plyzd.
	69.95		11		3090	grsh									solid
			34			crsh, carb ipp grdg to grsh									"
		70.52	12			dk grsh occ. coal lam.									mostly solid.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QTH88006

PAGE No. 33

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec., r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3090										
	70.52	70.62	10			csh									mostly solid
	70.62.		2			CA									plvzd
			2			dksh									solid
			2			cc									plvzd
			20		3091	dksh grdg to csh									mostly solid
(23)						Box 35									
		70.92.	4			grsh									brkn
	70.92.		3			CB									partly brkn
			4			CA									"
			4		3092	dkgrsh									"
			3			csh									"
		71.09	3			dkgrsh									"

70.91

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88006

PAGE No. 34

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	71.09		14			CB									partly brkn
			(10)			MC									
											235/71.63				153/140 (-13)
			4			CB									badly brkn
			14			CA									"
			6			CB									brkn
(23)			13		3093	CA									"
			8			CB									"
			1			CA									"
			35			CB grdg to CA									bdly brkn - pluzd
		72.22	(8)			MC									
	72.22		43			crsh, locally sandy, carb i/p									solid
(27)		72.71	6			ssh grdg to vfs, carb									"
	72.71	72.88	17			vfs, abun. carb pl. rmns thru grdg to ssh.									"

72.22
71.99
23

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QFID88006

PAGE No. 35

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 36									
											240/73.15				152/147 (-5)
	72.88		21	38		VFS, as above					72.88 (-.27)				solid
27°			31			ssh, carb i/p									"
		73.55	15			crsh, locally sandy, carb i/p									"
						END OF HOLE									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD85006

PAGE No. 36

Problem with markers

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								QHD88007							
	0.0	46.11				overburden									
								Box 1							
	46.11		1.46			Mud; silty & sandy i/p; plastic									Solid
											49.07				
			70			Mud, as above									"
(25)								Box 2							
				4.39											
			1.90			mud, as above									"
											176/50.60				
			19			mud, as above; boulder band 8-12 cm									semi-solid
								Box 3							
			14			mud; fltg angular rock thrs									"
	50.50	50.66	16			fs, grdg to vfs; milled									milled & broken @ top
											152.12				

DRILL CORE LOG (16) Rock

Quintette Coal Limited

HOLE No. QHD88007

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	50.66		~~144~~ 140			vfs, grdg to ssh; bioturb i/p; occas. carb pf									solid
				164							153.64				
			24			vfs, as above									"
						Box 4									
			19			ssh; slightly carb; loc grdg to vfs									"
25			95			vfs, grdg to ssh as above; slightly carb; bottom 6cm broken, otherwise solid									partly broken
											Marker				
			11			fs; interbded vfs; slightly carb									solid
			13			vfs; loc. grdg to ssh; slightly carb.									"
		54.12	44			fs as above									
											(56.69)	P	3.05 / 2.06		19
			(350)												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDD8007

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	54.12		14			fs, as above									solid
								Box 5							
25			84			fs., loc. gridg to mis; carb lam. thur; x-bded									solid
				299							191/58.22m		152/98	-55	
			79			fs, as above									"
											196/59.74m		152/79	-75	
			51			fs, as above									"
								Box 6							
			27			fs, as above									"
											201/61.25m		151/78	-73	
26		58.12	145	174		fs, gridg to mis; carb lam. thur; x-bded; occas calc-filled fracs									

404

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							206/62.75m		150/149	-1	
	58.12		29			fs, as above					solid
						Box 7					
23			132			fs, interbded vfs; loc. grdg to ms; occas. carb pf; occas. calc-filled fracs					brkn @ bottom 10cm, otherwise solid
				203			211/64.31m	1.56/161	+5		
			71			fs, as above; bioturb; carb mat remains & pf thru-out					solid
			8			ssh; slightly carb					"
				22		Box 8					
22			14			ssh, as above					solid
		61.11	45			crsh; loc. sandy; slightly carb					mostly solid
							216/65.84m	153/138	-16		

299

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
22	61.11		50	95		crsh, as above					solid
			103			sshs; occas carb pf; carb i/p; loc. grdg to crsh					"
						Box 9					
			4			crsh; carb pf thur					solid
							221/6236a	152/157	+5		
		62.79	11			sh; carb i/p, grdg to dksh					partly brkn
	62.79		27			dkgrsh; loc silty					"
			2			dksh, coal lam. to 2mm thuc					"
		63.36	28			dksh					"
ROOF	63.36		10		3132	CC					partly brkn
			(10)			MC					
		63.62	6			CD					"
(18)											
	63.62	63.66	4			csh					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.g.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	63.66		5			vfs; extremely carb thur									partly brkn
			9			dksh; sandy i/p; coal lam thur									"
			4		3132	cc									"
18			4			CA									"
			3			CD									"
			3			dksh									"
		64.00	6			dkgrsh, sandy i/p									"
	64.00		12		3133	CB									"
			(4)			MC									
											376/6888m				152/136 (16)
(20)			7			cc; bright vit bands of CA to 45cm thur a moderately hi-ash dull coal									partly brkn
		64.26	3			CA									solid

+2

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 6

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BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	6426		10			CB									solid
			33			CA									"
				31				Box 10							
			4			CA									mostly solid
			22			CB; bright vit bands of CA to 2mm thur.									"
			12			CA									"
			6		3133	CB, as above									"
			28 ~			CA									"
						(? piece not msrd)									
			4			CB; bright vit bands thur; grdg to CA									"
			18			CA									"
20			1			CD; grdg to csk									"
		6591	27			CA; typically bright, vit, battle, v. clean coal									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 7

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B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	65.91		6			dksh; thin, whispy coal lam thur to 2mm									mostly solid
			11			cc; grdg to CB; vit bands thur									"
			3			CD									"
			6			CB									"
			4			CA									"
20			6			CB									"
			22			mc ≈ Δ Bottom of F2, eliminates some missing									"
			1			csh									"
	11	"	10			dkgrsh; thin whispy bands of coal thur; generally < 1mm; extrem. carb.									"
					3134										
			6			CA									"
			3			CB									"
		66.71	2			dkgrsh									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	66.21				3134										
	66.71	66.75	4			dksh									mostly solid
	66.75		5			CA									"
			1			CB									"
			5			CA									"
20				8				Box 11							
			3			CA									broken
			1		3135	dksh									"
			6			CB									"
			3			dkgrsh									"
			(3.7)			mc									
			13			CA									badly brkn to pulv.
			3			CB									"
	67.54	67.54	2			dkgrsh									"
		154													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
20	67.54		13		3135	CA									pulverized
		67.76	9			CC									badly brkn
			26	15		crsh ; carb pf thin ; min pyr									brkn
			8			dkgrsh									badly brkn
		68.26	27			sh ; carb i/p ; loc silty ; occas carb pf									solid
25			13			dkgrsh ; silty i/p ; bright vit coal bands to 2mm common thin									"
			4			CA ; bright, vit ; brittle.									pulverized
			29	48		dkgrsh, as above.									solid.
											226/21.93m	305 402	+91		305
			19			dkgrsh, as above									mostly solid
											238/22.54m		061 019	~42	
11															
		68.99	~8			sh ; abund carb pf thin ; carb ; bi grdg to dkgrsh.									badly brkn

3.05

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 10

BC No.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 12 (photo)					
	68.99		39			dkgrsh; abund. carb pf; coal lam to 2mm					solid
			62			sh; abund. carb pf; interbdd ē crsh; s/s ē calc deposits on s/s surfs.					mostly solid
				74			241/73.46m				92/109 (+17)
			12			sh; black in colour; s/s					"
			44			dkgrsh; coal lam to 0.5 cm; s/s ē mud along s/s surf; abund. carb. pf.					partly brkn.
11°			45			sh; black in colour					mostly solid
						Box 13 (photo)					
↓ ↑			21			dkgrsh; abund. carb pf; s/s ē calc crust along s/s surfs.					brkn badly
(12)		71.60	38	↓		sh; coal lam to 3mm; abund. carb pf; calc-filled fracs					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD89007

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							246/74.98m				152/160 (+8)
	71.60		58	96		sh, as above					solid
12°			86			crsh., interbdd ~ vfs; calc-filled fracs; slight carb p.f.					"
				143			251'/76.50m				152/144 (-8)
						Box 14 (photo)					
			57			crsh; interbdd ~ vfs; s/s ~ calc recryst ~ on s/s surfs.					solid
							256/78.03m				153/57 (-96)
			55			vfs, interbdd ~ fs; abund. carb pf on bdg surfs; slightly bioturb					"
(4)											
		74.60	44			crsh, interbdd ~/ gridg to vfs; slight carb pf on bdg surfs; calc-filled fracs.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88007

PAGE No. 12

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	14.60		59			sh; abund carb mat; s/s & calc recryst on bdg surfs; calc-filled fracs ~1 mm.					solid
						Box 15 (photo)					
4°			88			crsh, slight carb pf on bdg surfs; black in colour					solid
				123			261/76.5				152/246 (-94)
			35			crsh as above					solid
			33			dkgrsh; carb pf; abund. s/s & calc. recryst on s/s surf.					"
			29			crsh; grdg to sh					mostly solid
			26			dkgrsh; slight carb pf; black in colour					"
				43		Box 16 (photo)					
↓		77.47	17			dkgrsh; slight carb pf					solid
							266/81.08m				153/140 (-13)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
12°	77.47		108			sh; interbdd ≈ crsh; slight carb pf					solid
			4			mud, dark br. in colour					
			6			sh.					solid
						NOTE: "Rods stuck"					
			72			crsh interbdd ≈ vfs; slight carb pf; horizon fracs along core direction (parallel to core direc ≈); calc-filled fracs					mostly solid
						Box 17 (photo)					
18°			89			sh interbdd ≈ crsh; slight carb pf; calc-filled fracs					solid, brkn @ bottom 20cm
			(18)			MR	265'/80.77m				305/279? (-26')
			43			crsh, grdg to ssh; slight carb pf					"
(9)		81.60	73			ssh, interbdd ≈ vfs; carb pf thur; bioturb present					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 18 (photo)									
	01.60		47			vfs, interbdd ± ssh; abund carb pf									solid
			52			crsh, interbdd ± vfs; slight carb pf; calc-filled fracs									"
			24			sh; abund carb pf; black in colour									"
				33							270/82.30 m				153/239 (+86)
			9			sh, as above									solid
9°			66			crsh, interbdd ± vfs; slight carb pf									"
						Box 19 (photo).					275/83.82m				152/75 (-77)
			23			sh; black; abund carb. pf									mostly solid
(17)		84.11	30			ssh, grdg to vfs; calc-filled fracs to 1mm in width									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
17°	8411		105			vfs, grdg to fs; slight carb. material									solid
				134							200/85.34m				152/158 (+6)
			29			vfs, as above									"
		85.53	8			dkgrsh, abund carb pf; black in colour									"

8534'

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 20					
	85.53	86.41	88			crsh; slightly carb					solid
			20			sh; incr carb; abund carb pf thur					"
(17)				35			288/86.87m				153/145 (-8)
			15			sh, as above					solid
		87.14	38			dkgrsh; abund carb pf thur; occas coal lam (≤1mm)					"
											partly brkn
ROOF	87.14		2		3136	CB					"
18			2			crsh; carb i/p					"
			7			CC; 1 mm coal lam thur; a dull coal host mc.					"
			(3)								
			9			CA					pulverized
		87.41	4			CB					mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 17

G seam, page 1

B.C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
24	87.41		5			CC									brkn
															"
			2			dksh									"
			2			CA									"
			3			C:C									"
(18)															
			3		3136	CD									"
			9			CB; grdg to CC									"
						Box 21									
			11			CA									brkn @ top
			4			CB									solid
FLOOR		87.86	6			csh CD									"
	87.86		4		3137	dksh csh									"
		87.97	7			dkgrsh; silty i/p; abund carb. pf' thur									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88007

PAGE No. 18

G Seam p.2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	87.97		18			crsh; carb i/p; abund carb pf.									solid
(10)															
					3137						290/88.39 m		162/163	+1	
		88.18	3			csh									b.ckn.
ROOF															
G	88.18		9			CB									"
			3			CC									"
			~~1~~ 1½			CA									pulverized
(16)			~~1~~ 1.5			CB									badly brkn.
			4		3138	CA									pulverized
			1			csh									"
CO															
			~~1~~ 1.5			CA; loc. grdg to CB									badly brkn to pulv.
FLOOR		88.91	10			cc; bright vit bands of coal to 2mm thkr.									brkn.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 19

G Seam p.3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
16	88.91	89.57	66		3139	vfs, carb thur; abund pyr thur; grdg to ssh									solid
	89.57		~3			CC									pulverized
			5			CA									"
						Box 22									
			5			CA									pulverized
											285/89.92 m		153/158	+5	
			7		3140	CC									mostly solid
			6			CB									"
			6			CA									"
			13			CB									
		90.20	18	↓		CA									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 20

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	90.20		11	} 29		CA									mostly solid
			1	}		CB									"
(16)				2											
			1	}	3140	CB									"
			3			dksh									"
			19			CA									pulverized
		90.69	(14)			mc									
											298/90.83m	91/85 = 6			
	90.69		6			sh; carb i/p; abund carb pf									solid
			10			vfs; grdg to ssh; carb i/p.									"
			12			ssh; carb i/p; min pyr thur									"
11		91.69	72			vfs; loc grdg to ssh; carb pf thur									"

9'63

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 21

G Seam, p.5 of 5

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 23 (photo)							
	91.69		51			fs interbdd ≥ vfs; x-bdd									solid
				126							303/92.35 m				152/151 (-1)
			76 75			fs interbdd ≥ vfs; x-bdd; abund. carb. pf									solid
			52			sh/interbdd ≥ ssh; abund carb pf									"
11°			32			ssh; slight carb pf									"
											308/93.88 m				153/160 (+8)
								Box 24 (photo)							
			47			dkgrsh; coal lam to 1mm; abund carb pf									mostly solid
			24			ssh, grdg to vfs; calc-filled fracs									solid
⊙		95.10	60			fs, grdg to ms									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 22

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							313/95.40 m				152/131 (-21)
0°	95.10		84			ms, slightly bioturb i/p					solid
↓											
						Box 25 (photo)					
16°			44			ms; calc-filled fracs					solid
				73			318/96.93 m				153/128 (-25)
			29			ms; x-bdd; slightly bioturb					solid
			36			fs; x-bdd; bioturb					"
			104/186	140		fs; interbdd ± sstk; bioturb; x-bdd; calc-filled fracs					"
							323/98.45 m				152/171 (+19)
						Box 26 (photo)					
↓		98.31	24			ms; interbdd ± fs; x-bdd					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	98.31		11			sh.; abund carb pf; coal lam to 2mm									solid
			116 ~~118~~			fs; interbdd c sshi; bioturb i/p.; calc.-filled fracs									partly brkn
											328/99.97m				152/153 (+1)
			31			vfs, interbdd c sshi; abund carb pf									solid
12°			17			fs interbdd c vfs; x-bdd									"
						Box 27 (photo)									
↓			50			csh; abund carb pf									solid
11°			84			fs; x-bdd; bioturb; calc-filled fracs									"
↓											333/101.50m				153/152 (-1)
(16)		102.10	100 ~~102~~	↓		ms; x-bdd									solid
						Box 28									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 24

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	102.10		54			ms.; x-bdd.									solid
				244											
											338/103.02 m				152/156 (+4)
1057 16°			90			ms, as above									"
			62			cs									
											343/104.55m				153/152 (-1)
						Box 29 (photo)									
			153/159			cs; fracs in core parallel to core direction; abund carb material along s/s surfs									broken partly
											348/106.07m				152/159 (+7)
				513.											
1061 18°			43			cs interbdd to ms; s/s; carb mat. on s/s surfs									solid
						Box 30 (photo)									
18°		107.18	106			cs; coaly lam to 1mm; calc-filled fracs.									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											353/107.59				152/149 (-3)
	107.18		102			cs, as above									solid
								Box 31							
			47			cs; coal lam to 1mm; fracs parallel to core direction filled ē calc.									"
189-	18°		21			sh; slight carb pf									"
											358/109.12 m				153/170 (+17)
			132	166		sh, as above									
											363/110.64 m				152/132 (-20)
		110.33	13			sh, as above									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 26

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 32					
	110.33		90			sh; slightly carb; loc silty					solid; bottom 49cm badly brkn
*		111.39	(16) (9)			MR MC					
	111.39						367/111.86				122/103 (-19)
			3			coh CC					solid
			3			dksh, grdg to dksh; occas coal lam. to 2mm thick					"
			3			CB					
			3			CD					mostly solid
12			10			CB					partly brkn
			11			CA					"
			2	10		CB					pulverized
			8		3141	CB					partly brkn
		111.95	6			CC					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88007

PAGE No. 27

J Seam, p. 7

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	111.95		7			CA									partly brkn
			3			CB									"
			14			CC ; grdg to CB; dull coal & occas. bright vit. band									solid
			34			CA									"
(12)						Box 33									
			5		3141	CB									badly brkn
			6			CA									solid
			14			CB									"
			4			CA									"
			1			dkgrsh									"
		112.86.	3			CC									^

DRILL CORE LOG

(112.70)

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 28

J-K Seam, p. 2

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											371/113.08 m		122/190	+18	
	112.86		6			CB									badly brkn
			12			CA									brkn partly
(12)			1			CC									"
			3		3141	csh									"
			2			CB									"
			3			CC									"
			5			CA									mostly solid
			2			CB									"
			7			dkgrsh									"
			4			CB									"
(15)					3142										
		113.35	4			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 29

KSogm n 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	113.35		6			CB									mostly solid
			2			CC									"
			5			CB									"
			6			CC									"
15			64			CB; relatively dense; typically dull & occas bright vit bands to 5 mm									"
			3		3142	CA									pulverized
			9			CC; grdg to CB									mostly solid.
			8			CA									"
			3			CB									"
		114.42	1	↓		CA									"
											376/114.60	152/156	+4		

24

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 30

J,K Seam p 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	114.42		6	} 7		CA									
(15)					3142										
								Box 34							
*		114.54	6			CB									basically solid
			11			CA									"
			2			dksh									"
			3			CA									"
			4			CB									"
(18)															
			1		3143	csh									"
			8			CB									"
			1			CA									"
			2			CB									"
		114.88	2			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 31

J, K Seam, p.5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
18	114.80		4			CB									mostly solid
			9			CA									"
			4			CB									"
			26			CA									"
			5			CB									mostly solid
			28		3143	CA									"
			2			CD									"
115.59			9			CA									pulverized
			(14)	}		mc									
			(16)	}		MC					381/116.13m		153/133	-20	
116.13															
115.67			7			CA									pulverized
.46															
FLOOR		116.13	1			CD									"
											382/116.43m		30/8	-22	+11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 32

4K scan p.6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	123.28		6			dkgrsh									solid
			2			csh.									"
			(1)			MR.									
		123.40	3			CD									
	123.40		8			CA									bcka at top
			15			CB									solid
			5			CA									"
			2			vfs; coaly stringers thur									"
(8)															
			14			CB									solid
			3			CA									bcka
										406'/123.75 m					153/151 (-2)
10'			(6)			MC									
FLOOR		124.03	10			CA, as above									bcka
(13)	124.03	124.54	52 51			cgl; pebbles to 0.5cm; coaly matter @ top 0.5 cm									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 47

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	117.23.	117.27	(4)			MC									
	117.27		2			dksh									brkn
		117.40	(11)			MR (Coacy)									
	117.40		2			cc									"
			10			CA; occas. thin bands of CB/cc									badly brkn - pulverized
					3144										
											386/11265	30/25	-1		
			(5)			MC									
			2			CA									partly brkn
(18)															
			2			csh									"
		117.64	3			CB									"
	117.64		6			dkgrsh									brkn
			6			csh.									"
					3145										
			4			dksh									partly brkn
		117.84.	6			sh; carb i/p									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88007

PAGE No. 34

UK Seam e.g.

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3145										
	117.86	118.15	10			dkgrsh; [illegible] coal 1cm to 2mm									partly brkn
	118.15		(19)			MR									
			(42)			MC									
			20			CB.									pulverized
				33											
			13			CB									brkn
			4			CA									"
			8			CB.									badly brkn
											391/119.18m		153/84	-69	-15
(18)			10		3146	CA									badly brkn
			7			CB									"
			9			CA									brkn
			2			CB									"
		119.35	5			CA									"
								Box 36							
			118.93												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 35

J, K Seam p.9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	119.35		9			CA									pulverized
			3		3146.	CB.									badly brkn
(18)															
			5			CA									pulverized
			(7)			MC									
FLOOR		119.61	2			CD.									badly brkn
	119.61		17			csh; carb i/p									solid
			4			ssh; carb									"
			16			vfs; grdg to ssh, as above; occas. calc. veins always parallel to bdg									"
															"
(14)			4			fs, grdg to vfs									
		120.16	15			vfs									"
			12			fs, grdg to ms; abund. carb pt thuc									"
		120.40	12			vfs; carb i/p.									"

119.61
119.12
-49

DRILL CORE LOG

Quintette Coal Limited

HOLE No. Q4D88007

PAGE No. 36

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d.- d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	120.40.		6			fs, as above									solid
			4			vfs									"
			4			ssh; carb i/p; abund. carb pf thur									"
				20							396/20.1m.		152/145	-7	
			16			ssh, as above									"
			4			vfs; bioturb									"
			6			ssh; bioturb; carb i/p									"
14			28			dkgrssh; coal lam to 3mm thur									solid mostly
			41			crssh; carb i/p; occas. well-preserved plant fossils									"
				75		Box 37									
		121.83.	34			crssh, as above									solid

12183

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	121.83		(19)			MR									
											401/122.22 m		152/129	-23	
(14)															
↓			33			csh; lac. sandy									solid
↑															
8			46			vfs; biotub i/p; mm interbdd fs; carb pfthucy, csh lam.									solid
			27			ssh; carb i/p.									"
		123.51	43			sh; carb i/p; lac. silty									"
ROOF	123.51		8			CA									ipulverized
											406/123.75 m		153/157	+4	
			2		3147	CB									badly brkn
			(10)			MC									
			~15			CA									"
				ϕ2		Box 38									
FLOOR ↓		124.13	27			CA									mostly solid
↑															
(9)															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD8807

PAGE No. 38

J,K Seam

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	124.13.		4			dkgrsh					solid
			29			vfs					"
			7			ssh					"
			7			sh; occas. coal lam to 3mm; silty i/p					"
		124.70	10			cssh, grdg to ssh					"
			39			vfs; biotarb; carb i/p					"
				99			411/125.21m		152/140	-12	
9	1	125.69	60			vfs, as above	abrupt Δ indicates discontinuity Prob → fault.				in lithology "
			5			fs; brecciated & angular frags to 1.0 cm; chaotic network of calc-filled fracs					"
				58							
		125.94	20			fs; x-bded; occas calc.-filled fracs					
						Box 39					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 39

J. K Seam p. 13

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
9	125.94		33	↑		fs; carb pf camnian thur									solid
			14			ssh; carb i/p									"
			3			dkgrsh; abund carb pf thin, occas. coal lam to 1mm.									partly bkn
			1			dksh; coal lam to 2mm thur									"
			7			dkgrsh									bkn
			3			dksh; occas. coal lam to 2mm									"
			8			dkgrsh									"
											416/126.80m		153/154	+1	
			5			sh; carb i/p									solid
↓															
↑			29			ssh; carb i/p; min interbdd vfs									"
(16)															
		127.72	75	-		vfs; loc grdg to fs									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 40

J,K seam p.14.

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(16)	127.72	127.96	24	↓		fs ; interbdd vfs & ssh ; bioturb ; accas. carb pf.									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88007

PAGE No. 41

J, K Seam, p. 15

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 40							
	127.96		14			fs; calc-filled fracs									bckn partly
				90							421/128.32m				
			52			fs, as above; coaly 1cm to 1mm									bckn
			25			ms; calc-filled fracs									
16°			45			sh									solid
		129.67	35			dkgrsh; abund carb pf									"
											426/129.84m				
								End of Hole							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH088007

PAGE No. 42 of 42

QHD88008

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Dor!					
		18.29m				Casing to 60' 18.29m					
			167			glacial till; poorly sorted unconsolidated clst angular to well rounded classic till					
			(138)			(MR)					
							71 1/21.64				19.96/21.64 (-1.68)
			29			till as above					
						Box 2					
(6)											
			137			till a/a					
							76'/23.16m				152/166 (-14)
				419							
			82			till, a/a					
			64			till, clast pebble - boulder slt - ss mat.					
			107			till, a/a					
		25.91	(38)			(MR)	86'/26.21m				305/253 (-52)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88008

PAGE No. 1

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	25.91		46			till, a/a									
						Box 4.									
			120			till, a/a apparently mtx-clst ratio is incr									
											91'/27.74m				153/166 (+13)
			94			till, abnt clst pebs bldr size, fltg thur a slty-sdy muddy mtx, clsts gen. sed origin									
				550											
(6)															
						Box 5									
			70			till a/a									
											96'/29.26m				152/164 (+12)
		30.65	144			till a/a									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88008

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 6					
	30.65		16			till, a/a					
							101'/30.78m				152/160 (+8)
			60			till, a/a					
			(80')	195		MR					
							106/32.31m				153/60 (-93)
			(115)			MR					
			18			till, a/a	111'/33.83m				152/18 (-134)
(6)			110			till, a/a					
				165							
						Box 7					
			37			till, a/a well wrapped plastic					
			(5)			MR					
							116'/35.36				153/147 (-6)
			18			till, a/a					
		35.85	(61)			MR					
							119'/36.27m				91/18 (-73)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 3

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	35.85		16			till, a/a					
6			69			fs grdg to vfs, intr lam carb crsh thur					solid
				226			121'/36.88m				61/85 (+24)
			56			fs, a/a					"
						Box 8					
			101			fs, a/a					broken
							126'/38.40m				152/157 (+5)
10			91			vfs, crsh lam thru : carb i/p minr intbed fs					partly broken
				159		Box 9.					
↓		39.86	68			vfs grdg to ssh, slcarb					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 1

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
9	39.86		29			ssh grdg vfs int bd: vfs bioturb									solid
			23			vfs bioturb loc grdg fs bioturb									solid - bot 1a broken
			~76			clyst gy, sft, slty i/p									broken
						Box 10									
			29			clyst, a/a incr slty				shale					solid
											136'/41.45m				305/316 (+9)
			60			clyst slty i/p grdg gy sh									solid
			88			marlst? lt gry homogenous mass									solid
				s.n		calc?									
										shale.	141'/42.98m				153/148 (-5)
		43.22	31			marlst a/a									solid.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 11					
	43.22		33			marl st a/a					broken
(9)			(2)			MR					
			86			slyst med gy soft loc slty (shale)					broken
				92			146'/44.50m				152/150 (-2)
			6			clyst a/a					
*											
			45			vfs mass					solid
10			42			vfs csh lam thru occ carb pl rmns.					solid
				249							
						Box 12.					
			63			vfs gen mass occ carb pt rmns					"
*			99			vfs a/a min intbd ssh	151'/46.02m				152/156 (+4)
11		47.51	53	87		fs mass occ high angle calc fld fracs.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
11°	86.81		155			vfs, as above; loc. grdg to ssh; 5 cm sh. interbd @ 130-135 cm					broken in places
						Box 42					
							290'/88.39m				152/155 (+3)
	88.36		61			vfs; interbded ssh; occas carb pf; occas rip-ups; low angle x-bds					basically solid
			9			ssh; carb i/p					solid
	89.06	89.21	15			cgl; pebbles to 2cm					"
ROOF	89.21		5		3023	CA; traces of pyr					solid
			15			CB; traces of pyr					solid
(11)			10			CB; "					"
			9			CC; traces of pyr					"
FLOOR		89.64	(4)			MC					
	89.64		4			dkgrsh; silty i/p; coal lam to 2mm					"
			4			csh					"
		89.80	8			ssh; carb. & occas coal stringers to 3mm					"
		89.80									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
						Box 15									
17			55			vfs loc grdg fs occ calc fil frac loc bioturb occ carb pl rmns									broken in part
			2|40			vfs carb lam thru loc extremely bioturb min intbd ssh					171'/52.12m				152/141 (-11)
						Box 16									
			21			fs, grdg vfs occ carb pl rmns									solid
											176/53.6fm				152/161 (+9)
			118			fs a/a occ calc filled frac high ang frac com									"
*			4			vfs brec muddy mtx									broken
(13)			24			vfs occ ssh lam sl carb bioturb i/p s/s									
		55.22	(5)			ME									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							181/55.17m				153/146 (-7)
13	55.22		17			vfs intbd crsh carb i/p, s/s common					broken
						Box 17					
11			116			fs grdg vfs loc bioturb occ intbd crsh high angle calc fil frac com sl carb					mostly solid
			213			crsh carb i/p loc sdy					
			8			fs a/a					
							186'/56.69				152/154 (+2)
			63			fs grdy vfs abd. high angle calc fil frac occ carb pl rmns.					solid
						Box 18					
			4			fs a/a					"
		57.45	2			mud carb sh frag & clyst in muddy mtx					loose

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	57.45		60			fs generally mass high ang calc fil frac thru isl carb									solid
			2			sh carb minor pyrt									
			18			fs a/a									solid
											191'/58.22m				153/149 (-4)
			44			fs a/a									"
			4			ssh carb bioturb									"
7.		59.32	59			fs intbd vfs crsh lam thru top 30cm high ang calc fil frac thru carb lam									
↓															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 10

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 19.									
23	59.32		47			vfs grdg fs sl carb high ang calc fil frac thru									badly broken top 40cm solid
			143			vfs intbd ssh loc bio turb sl carb abundant high ang calc frac thru loc grdg fs									"
				207											
						Box 20									
			17			vfs grdg fs sl carb calc fil frac									
↓															
↑											201/6126m				304/314 (+10)
16			147			vfs a/a i bio turb with intbd ssh common bottom 46cm rr calc fil frac									solid
			(3)			MR									
											206/62.79m				153/147 (-6)
		63.15	26			vfs grdg fs carb lam thru occ calc fil fracs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. "

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							Box 21								
(16)	63.15		116			vfs a/a	loc	bioturb							solid
		64.34	(3)			MR									
											211/64.31m				152/147 (-10)
TOOF	64.34		9			CB	(Top of D)								
															mostly solid
			4.			CA									
			3.			CB									
(14)			8			CA									
			2			CB									
			46		3148	CA									
			3			CB									
		65.12	3			CC									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 12

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 22							Partly Broken
	65.12		1c			sh carb									
61			3c		3148	CB									"
			(2)			mc									
FLOOR		65.20	2 ..			CC									"
D2P	65.20		11c			dk gy sh									"
			(14)		3149	mR									
		65.54	9 ..			pulverisized sh coal mixed (cish)									pulverized
ROOF															
(14)	65.54		3			cc pulverized									pulverized
			12			CB									mostly solid
			14		3150	CA									"
			7			CB									"
											216/6584m				153/140 (-13)
			9			CA									Broken
26		66.09	10			MC									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	66.09		2			CB									mostly soil'd
			2		3150	CA									"
			1			CB									"
FLOOR		66.26	12			CC -									"
	66.26		2			csh									"
			7			dk gy sh									"
(14)															
			13			dk sh									"
			3			dk gy sh									"
			2			dk sh									"
			12			dk gy sh									"
		67.11	56			sh carb i/p · loc slty									
		67.15	4			dk gy sh									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 14

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 12									
	80.94		31			ssh, carb i/p									solid
			12			crsh bioturb, carb									"
				53							266'/81.08				153/162 +9
			41			crsh a/a									"
(14)			17			sh abnt carb thru loc slty									"
		81.98	3			dk gy sh coal lam to 2mm thrue									mostly solid
			59			sh a/a									"
		82.14	17			dk gy sh, loc slty abnt coal lam thru gen ≤1mm									"
											271/82.60m				152/137 — (15)

DRILL CORE LOG 180

Quintette Coal Limited

HOLE No. QMD 88009

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 24 (photo)							
11°	69.60		108			crsh, grdg to ssh; abund. carb pf; calc. filled fracs									solid
				205							231/704/m				153/158 +5
			97			crsh, grdg to ssh; as above; coal lam. to 05cm									mostly solid
								Box 25 (photo)							
			61			sh; abund carb pf									solid
				112							236/71.98m				152/158 +6
16°			51			sh, as above									solid
			38			dksgrsh; abund carb pf; calc-filled fracs									partly bckn
		73.78	63			sh; abund carb pf; s/s & calc-filled fracs									solid
								Box 26 (photo)							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 16

418

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	73.78		13			dkgrsh, abund carb pf					solid
				40			241/73.46m				153/165 +13
			27			dkgrsh, as above					"
			22			sh; small white pinprick s (possible fossils)					"
			28			dkgrsh, as above					partly brkn
(16)			19			ssh, grdg to vfs; abund carb pf					solid
			42			dkgrsh, as above					"
							246/74.98m				152/139 -12
			39	113		dkgrsh, as above					partly brkn
						Box 27 (photo)					
↓		76.00	32			dkgrsh, abund carb pf; slight calc-filled fracs.					mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. 88008

PAGE No. 17

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	76.00		74			vfs ; carb lam to 1mm ; slight carb pf									solid
			6			dkgrsh, as above									
											251/76.50m				152/151 (-1)
			21			vfs, as above									partly bckn
			18			dkgrsh, as above									bckn
19°			44			ssh, grdg to vfs; abund carb pf ; slight calc-filled fracs.									solid
↓						Box 28 (photo)									
			65			ms, grdg to fs ; calc filled fracs ; slight carb mat.									solid
				141							256/78.03m				153/140 (-5)
8°			76			ms ; slight bioturb ; slight calc-filled fracs									"
		79.56	52	↓		fs, grdg to vfs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 18

1556

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	79.56		16	68		fs, grdg to ms; calc-filled fracs; slight bioturb					solid
							261/79.55m				152/144 (--- 8
(8)						Box 29 (photo)					
			25			ms; bioturb; x-bdd					solid
			48	64		fs; inte. bdd ē vfs; bioturb					"
			16			fs; bioturb; calc-filled fracs					"
170			66	90		vfs; coal lam to 1 mm; bioturb; fracs parallel to core direction.					solid
							266/81.08				155/155 (+2)
			24			vfs, as above					solid
(11)		81.77	26			fs; slightly carb; bioturb i/p					"
						Box 30 (photo)					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88008

PAGE No. 19

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
11°	81.77		95			fs; interbdd ± vfs; bioturb; x-bded i/p									solid
											271/82.60m				152/145 (-7)
			109			fs, as above									"
				423		Box 31 (photo)									
			47			fs, interbdd ± vfs; calc-filled fracs									"
											276/84.12m				152/156 (+4)
			146			fs; bioturb; slight carb material									"
											281/85.65m				153/146 (-7)
						Box 32 (photo)									
(15)		87.41	167			ssh; interbdded ± vfs, bioturb; slight carb. material									solid
											286/87.17m				152/167 (+15)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 20

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	67.41		48	305		~~Ssh~~ sh; lae. silty; calc-filled fracs									solid
						Box 33 (photo)									
			90			ssh; calc-filled fracs; slight carb. pf									"
											291/88.70 m				153/139 (-15)
			39			grssh; calc-filled fracs									"
			47			crsh; slight carb pf									"
15°			33			dkgrsh; carb pf									"
						Box 34 (photo)									
			42	214		sh; slight carb material; s/s; rock appears massive; black									solid
(14)											296/90.22 m				152/161 (+9)
		91.84	144			sh, as above									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. Q4D88048

PAGE No. 21

1143

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											301/91.74m				152/144 (-8)
140	91.84		28			sh, as above									solid
						Box 35 (photo)									
			62	129		ssh; calc-filled fracs; slight carg. material									solid
160			67			ssh, gradg to vfs; calc.-filled fracs									"
											306/93.26				152/154 (+5)
		94.17	76			fs, interbded ± vfs; slight bioturb; s/s; calc-filled fracs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 22

153

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 36									
(16)	94.17		37			ssh a/a inc sdy grdy vfs loc bio turb									solid
		94.96	42			vfs carb pl rmns thru bioturb intbd ssh									solid
											311'/94.79 m				153/155 (+2)
17			60			vfs a/a									"
			11			cgl peb 0.5cm occ high ang frac carb pl rmns thru									"
			3			c.B.									[illegible]
		95.72	2			dk gy sh									Broken
ROOF	95.72		12		3151	CB									"
			22			MC									
			2			cc									"
		96.15	7			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 23

155

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	96.15		3			cc									"
			4			CA									"
			4			CB									"
			9			CA									"
						Box 37									
(17)			3			csh grdg dksh									mod h, solid
			3		3151	CB									"
	96.41	96.45	4			CD									"
	96.45		16			dksh loc grdg csh coal lam 2mm thru.									"
				23.							316/96.39				153/140 (-13)
		96.68	7			dk sh									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 24

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	71.68		4			CA									mostly solid
			11			CB									"
			5			csh CD									"
(17)			3		3151	dksh									"
			4			CC									"
			1			CB									"
			3			CA									"
			5			CB									"
				11											
			16			CB									"
Floor		97.15	5			CA									"
	97.15	97.27	12			dkgysh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	97.27														
(17)			2			dk sh									mostly solid
		97.67	38			dk gy sh									"
ROOF															
			7			cc ash bands to 3mm com									"
			2			dk gy sh									"
			2			cB									"
			3			cc									"
(10)			1			csh									"
			1			dk sh									"
			4			cD									"
FLOOR		97.95	8			csh									"
		97.99	4			dk gy sh									"
											321/97.84m				152/138 (14)

DRILL CORE LOG

4

Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 26

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(10)	97.99	98.06	7	4.9		dk gy sh abnt carb pl rmns coal 1cm to 2mm									mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 27

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 38 (photo)							
	98.06		4@38			dkgysh; abund carb pf; calc-filled fracs									partly broken
			33			sh; abund carb pf									solid
			27			dkgysh, as above									"
			~~34/34~~			ms; gr dg to cs; x-bded; s/s; calc-filled fracs									"
			19			dkgysh, as above									solid
											326/99.36m				152/160 (+8)
			18			sh, as above									"
10°			44			vfs; interbded c fs; biotitch; abund carb pf									"
								Box 39 (photo)							
(14)		100.43	24			ssh gr dg to vfs; abund carb pf; s/s; calc-filled fracs									solid

DRILL CORE LOG

239

Quintette Coal Limited

HOLE No. QH88008

PAGE No. 29

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
14°	100.43		61			vfs, grdg to fs; bioturb; x-bded i/p; small coal lam (<1mm)									solid
											331/100.88m				153/147 (+6)
			55			fs; bioturb; abund carb pf; x-bded									"
			73			ms; interbded ± fs; slight carb pf; bioturb, x-bded									"
						Box 40 (photo)									
			28			fs; x-bded; bioturb									"
				85							336/102.41				153/156 (+3)
12°			57			fs, as above; loo fracs filled ± calc.; slightly carb									solid
			11			ms									"
↓		103.74	46			fs; bioturb; x-bded									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QU088008

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	103.74		43			ssh; abund carb pf					solid
							341/103.94m				153/157 (+4)
			22			vfs; x-bded					"
						Box 41 (photo)					
			42	156		vfs, interbded ē fs; x-bded; bioturb; 0.5cm @ end = major (large) s/s; calc. reagyst to 2mm - possible fault?; abund carb pf					solid
			92			vfs, grdg to fs, as above					"
							346/105.4m				152/156 (+1)
14°			32			ssh, interbded ē vfs; calc-filled fracs; s/s's					"
		106.51	46	↓		vfs, grdg to fs; abund carb pf; loc. bioturb.					"
						Box 42 (photo)					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 30

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	106.51		68	140		vfs; carb pf; calc-filled fracs; s/s's									solid
											351/106.98m				157/197 (+6)
(14)			26			vfs, as above									"
↓			43			fs, intabded ± ms; x-bded; calc-filled fracs.									"
15°			78			cs; x-bded; bioturb i/p; calc-filled fracs									"
			'												
						Box 43 (photo)									"
↓			17	197		cs; calc-filled fracs; s/s's									solid
											356/108.5				182/Tot (+12)
10°			138			cs, as above; fracs to 2mm									"
											361/110.03m				123/138 (=15)
		110.63	42			cs, as above									mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 31

412.

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 44 (photo)									
	110.63		104			ms; calc-filled fracs; abund carb pf									solid
			7			fs; s/s's; calc-filled fracs									"
											366/111.56m				153/153 (+0)
			20			ms; calc-filled fracs									"
15°			70			cs; slightly bioturb; slight carb material									solid
						Box 45 (photo)									
			59			ms interbdd w fs; s/s's w calc & pyr on surfs; coal lam to 1mm									solid
				92							324/430.3m				151/149 (-3)
			33			ms, as above									"
		113.82	26			fs; abund carb pf; s/s's									"
(14)															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 52

159.3'

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
14°	113.82		86			ms; abund carb pf on s/s surfs; slightly bioturb									solid
						Box 46									
			9	244		ms; calc-filled fracs									solid
											376/1146 m				152/154 (42)
			149			ms; calc-filled fracs; s/s's; slight bioturb									solid
											381/116.13				153/149 (-41)
↓		116.71	45			cs; x-bded; s/s's; calc-filled fracs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 33

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 47.					
↑	116.71		26			fs grdg vfs bioturb occ ripups s/s at base carb pl rmns thru.					solid
25			88			ssh sl carb					"
				108			386/117.65m				152/159 (+7)
			20			ssh, a/a					"
			47			vfs intbd ssh, bioturb carb i/p.					"
			24			ssh, a/a					"
				81		Box 48					
			57			ssh grdg vfs, carb pl rmns thru.					"
↓							391/119.18m				153/148 (-5)
↑											
(19)		120.12	79			crsh abnt carb pl rmns thru. slty i/p					"

DRILL CORE LOG

341

Quintette Coal Limited

HOLE No. QHD88005

PAGE No. 34

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	120.12		8			dk gy sh incr carb occ coal 1am to 2mm					solid
			4			sh carb pl rmns thru					"
			~~23~~ 23			dk gy sh, a/a					"
ROOF											
	120.44		5		3152	csh					partly broken
			3			CD					"
(19)			1			CB					"
			1			DKSH					"
		120.63	6			DK GY SH					"
ROOF	120.63		5		3153	CC mixed rock from CB → CSH					Badly Broken
			(23)			MC	396/120.90 m				152/137 (-15)
		120.92	1			CD					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 35

63

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	120.92		4			cc									"
			6			cD									"
						Box 49									
			1			cc									mostly soil; D
			3	} 5		cD									"
(19)					3153										
		121.08	2			cD, white oxide powdery substance									"
						present									
			4			csh									"
			~~6~~			dk sh grdg csh									"
		121.20	~~2~~	} 6		csh									badly broken
		121.24	4			csh									"
	121.24	121.27	3		3154	ca.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 36

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	121.27		7			CB									mostly soil, J
			3			CA									"
			6			CB									"
			2			CC									"
			9			CA									"
			1			CB									"
(19)			16		3154	CA									"
				46											
			30			CA									partly broken
			7			CB									"
		122.43.	35			CA									"
											401/122.22 m				152/154 (+2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 37

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	122.43		1 ft	36		CA									mostly solid
			2			CB									"
			15			CA									"
			4			CB									"
			14			CA									"
				24	3154										
(19)			10			CA									Badly Broken
			2			CB									"
			4			CA									"
			2			DK Gy SH									Partly broken
			3			CB									"
			3			CC									"
		123.09	6			dk sh									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 38

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 50					
	123.09		3			CD					pulverized
			4			CB					"
			(34)		3154	mc					
			3			dk sh					"
			15			CB (overall)					"
(19)											
			3			CA					mostly solid
			5			CB					"
		123.79	3			csh (appears core is missing oil marker					"
			5			dk sh underlying rock is not conformable with overlying)	406/123.75m				153/107 (-46)
					3155						
		124.01	1.7			dk gy sh loc silty calc vein com sheared.					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88nn8

PAGE No. 39

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	124.01		6		3155	sh carb mat thru:									solid
			2			dk gy sh									"
			3			CB									"
			4			CA									"
			5			dk gy sh									"
			8			CB (overall)									pulverized
			2			CA									badly broken
			3		3156	CD									"
			2			CA									"
			2			CC (overall)									pulverized
FLOOR		124.42	4			CA									badly broken
	124.42		(20)			MR.									
	124.42	124.75	13			dk gy sh coal lam to 2mm thru									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 40

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	124.75	124.87	12			sh carb multidir shearing evident.									solid
			56	58		dk gy sh a/a loc grdg dk gr sh									"
											411'/125.27m				152/139 (-13)
19			2			dk gy sh									"
			12			sh									"
						Box 51									
															solid
			15			dk gy sh loc slty									
			70			sh loc grdg dk gy sh carb occ calc vien which approx parrallel bedding slty i/p									"
		126.45	23			dk gy sh coal lam to 3mm thru.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 41

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	126.65		22			Sh, a/a									solid
(19)				35							416/126.90 m				153/144 (-9)
			13			Sh a/a									solid
*															
(18)		121.57	57			esh abnt carb pl rmns thru silty i/p									solid
		127.57													

DRILL CORE LOG

92

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 52 (photo)					
18°	127.57		76			sh; abund carb pf; coal lam to 2mm					solid
							421/128.33m				152/146 (+6)
			19			dk grish; abund carb pf.					"
1			59			sh, grdg to ssh; abund carb pf; calc-filled fractures (slight)					"
			53			vfs, grdg to fs; calc-filled fracs to 2mm; s/s's; slight carb pf					"
						Box 55 (photo)					
			5			fs					solid
		129.92	23			vfs, grdg to ssh; slight carb pf; calc-filled fracs					
							426/129.84m				152/159 +7
		129.92									

DRILL CORE LOG

235

Quintette Coal Limited

HOLE No. _____

PAGE No. 43

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(18)	129.92		145			ssh, gr dg to dk gr sh; abund. carb pf; calc-filled fracs.									solid
											431/131.37				153/145 (-8)
15°			31			dk gr sh; abund carb pf.									solid
						Box 54 (photo)									
			26			gr sh; calc-filled fracs; carb pf									"
			27			sh; carb p.f.									"
			31			gr sh, as above									"
12°			41			sh, as above									"
											436/132.89 m				152/146 (+4)
				202											
		133.12	79			sh; as above									
						Box 55 (photo)									
		133.12													

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 94

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	133.42		77			sh; calc-filled fracs; fracs parallel to core direction									solid
(12)											441/134.42m				153/151 (-2)
			10			sh, as above									"
			55			ssh; loc grading to silty; carb pf									"
14°			69			vfs; bioturb; abund carb pf									"
			4			sh; abund carb pf									"
						Box 56 (photo)									
			29			crsh grdg to ssh; abund carb pf;									solid
											446/135.94m				152/167 +15
11°		151.68	147			ssh, interbded c vfs; carb pf; loc. bioturb									solid
											451/137.46				152/159 (-5)
		151.58													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH D88008

PAGE No. 45

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	137.58		22			sh; carb pf; calc-filled fracs.									solid
(11)						Box 57 (photo)									
			36			dkgrsh; abund carb pf									mostly solid
			20			ssh; interbded c vfs; carb pf									solid
			54			vfs; interbded c fs; carb pf									"
			22			fs; x-bded; calc-filled fracs									"
											456/138.98m				153/154 (+1)
			69			vfs; biotitic; fs's; calc-filled fracs; x-bded i/p									"
						Box 58									
			36			ssh, grdg to vfs; carb pf									solid
19°		140.72	55			fs interbded c vfs; carb pf									"
											461/140.51m				159/160 (+8)
		140.72													

DRILL CORE LOG

3/4

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 46

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
Box 58															
(19)	10.72	141.90	118			ssh; loc. silty; carb pt									solid
		141.90													

DRILL CORE LOG

119.

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 47

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 59									
	141.90	142.09	19			sh abnt carb pl rmns thru min calc vien									mostly solid
											466(142)04m				153/134 (-16)
			25			sh, a/a									"
(19)			5			dk gy sh coal lam at 1mm thru									"
			6			sh, carb loc slty									"
			10			dk gy sh									"
			3			sh									"
↓		142.74	16			dk gy sh, a/a									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 48

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
Top G ROOF ↑	142.74		2			CC									partly broken
			2			CA									"
			4			CB									"
			3			CC									"
			1			CA									"
			1		3157	CC									"
(13)			3			CB									"
			6			CSh									"
			4			CB									"
			3			CC									"
						CD									
		143.06	3												

DRILL CORE LOG

Quintette Coal Limited

Corrected G Seam

HOLE No. QHD 88008

PAGE No. 1

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	143.06		6			CB									partly brkn
			1		3157	CC									"
			6			CB (overall)									pulverized
		143.54	(35)			(mc)									
FLOOR															
	143.54		18			sh carb i/p abnt pl rmns thru									mostly solid
G2P					3158										
(13)		143.80	8			dk gy sh abnt coal lam thru									"
FLOOR															
	143.80	143.86	6			CD									partly brkn
G2															
			13			CA									"
			2			CB									"
					3159										
			2			CA									"
			3			CB									"
			6			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 8800 J

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			2			CB									partly brkn
			2			CD									"
			6			dk sh									mostly solid
			4			CA									partly brkn
			2			CB									pulverized.
			3			CD									Broken
(13)					3159										
			3			CB									" "
			1			CA									"
			1			CC									"
			5			CB (overall)									pulverized.
			3			CA									partly brkn
			1			CC									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88008

PAGE No. 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			5		3159	CA									partly brkn
			2			CC									"
FLOOR		144.66	11			CA									"
	144.66	145.00	34		3160	vfs grdg ssh extremely carb thru occ calc fil frac prolific pl rmns									solid
(13) ROOF	145.00		3		3161	CA									mostly solid
			3			CD									"
			3			CC									"
			4	5		CB									"
			1			CB									partly brkn
			4	14		CA									partly brkn
		1145.28	10			CA									"

(28) - coal.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. BH88004

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	145.28		2			CB									partly brkn
			23			CA									"
			1			CB									"
			3			DK grish									partly brkn
			12			CA									"
(13)			2	15	3161	CB									"
			13			CB overall									pulverized.
			3			csh									partly solid
			1	8		CA									partly brkn
						Box 61									
			7			CA									Broken
		145.97	2			DK SH									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 81009

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	145.97		9			CB									Broken
			1			CA									Broken
			6			CB									Broken
			3		3161	DK gy sh									"
			1		63	CC									"
			2			CA									"
(13)															
FLOOR		146.30	(11)			MC									
	146.30		2			DK SH									solid
			6			DK Gy sh									solid
		146.79	41			sh abnt carb pl rmns thru loc slty									
											481/146.61				
	1	148.07	128			crsh ; carb									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 84004

PAGE No. 6

New Run.

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 62 (photo)							
	148.07		23			grsh; s/s's; abund. carb pf									mostly solid
				149							486/148.13 m				152/151 (-1)
13°			126			grsh, as above; loc. calc-filled veins to 3mm.									solid
			1			dksh; abund. carb pf									
			36			dkgrsh; abund carb pf; loc. calc-filled fracs									"
											491/142.60 m				153/163 (+10) N
			12			dksh; abund carb pf									partly brkn
			7			sh									mostly solid
								Box 63 (photo)							
			28			vfs, grdg to fs; carb pf									solid
(14)															
		150.72	32			fs; interbded to mis; x-bded; coal lam < 1mm									"

DRILL CORE LOG

265

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 56

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
14°	150.72		61			ms; bioturb; large (6mm) frac., talc. replacement									solid
*			10			fs; carb pf; calc.-filled fracs									"
											496/151.18 m				152/150 (-2)
			71			fs; x-bded; bioturb; slight carb pf									"
						Box 64 (photo)									
			80	322		fs; bioturb; slight carb. material; calc-filled frac (1mm)									solid
											501/152.70 m				152/151
15°			120			fs; interbded ± vfs; bioturb; calc-filled fracs to 3cm; carb pf									"
						Box 65 (photo)									
↓		154.55	41			fs; bioturb; loc x-bded									solid
											506/154.23 m				153/151 (+2)

DRILL CORE LOG

383

Quintette Coal Limited

HOLE No. _____

PAGE No. 57

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
8°	154.55		138			fs; calc-filled fracs to 2mm; bioturb; carb. material present									solid
				165											
											511/155.75m				152/138 (+14)
			27			fs, as above									"
						Box 66 (photo)									
5°			129			ms; bioturb; calc-filled fracs to 6mm; s/s's; carb pf									"
											516/157.28m				153/156 (+3)
			83			fs, interbided ē ms; carb pf; calc-filled fracs; bioturb									solid
				153											
						Box 67 (photo)									
10°		159.02	70			fs; calc-filled fracs to 2mm; bioturb l/p; s/s's									solid
											521/158.8				152/153 (+1)

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. _____

PAGE No. 59

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	159.02		8			vfs; s/s's; calc-filled fracs.					mostly solid
			68			fs; extremely bckn-looking; abund. 2mm calc-filled fracs in all directions; carb. pf; possible FAULT?					bckn badly
				126							
			58			fs; calc-filled fracs to 3mm; bioturb i/p.; slight carb. material.					solid
						Box 68 (photo)					
(10)			27			vfs					badly bckn @ bottom
							526/160.32m				152/161 (+9)
				181							
			31			vfs, grdg to fs; calc-filled fracs to 5mm; loc. carb.; slightly bioturb					solid
↓		162.17	123			vfs; bioturb; s/s's; calc-filled fracs to 2mm; fracs parallel to core direction; Carb pf					partly bckn

DRILL CORE LOG

315

Quintette Coal Limited

HOLE No. _____

PAGE No. 59

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							531/161.85m				123/154 (+1)
						Box 69 (photo)					
↑	162.17		60			ms; bioturb; calc-filled fracs; fracs parallel to core direction; S/S's					brkn (badly @ bottom)
15°			100			fs, grdg to ms; bioturb; S/S's; calc-filled fracs					solid
↓							536/163.37m				152/160 (+8)
			23			ms; bioturb; S/S's; calc-filled fracs					solid
				61		Box 70 (photo)					
11°			38			ms; x-bded; fracs sub-parallel to core direction					solid
			86			fs; interbded ≈ ms; bioturb; x-bded i/p					brkn
							541/164.9m				152/144 (-6)
		165.58	34	↓		fs interbded ≈ ms; coal lam to 1mm; carb p.f					solid

DRILL CORE LOG

341

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 60

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	165.58		31	208		fs interbded ẽ ms; bioturb; calc-filled fracs					solid
(11)						Box 71 (photo)					
			57			fs; interbded ẽ ms; bioturb; calc-filled fracs; fracs sub-parallel to core direction					"
			29			sh; calc-filled fracs; abund carb pf					"
				35			546/166.42	m			152/151 (-1)
			6			sh, as above.					solid
			44			vfs interbded ẽ fs; carb pf					"
			48			fs; small coal lam lenses; carb pf					"
12°			23			vfs; interbded ẽ fs; carb pf					"
						Box 72 (photo)					
15°		168.24	28			vfs; interbded ẽ fs; S/S's; calc-filled fracs; bioturb					solid

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 61

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											551/167.94m				152/149 (-3)
(15)	168.24		36			vfs interbded ≈ fs, as above									solid
			112			fs, interbded ≈ mis; bioturb; calc-filled fracs to 2 cm; S/S's									"
											556/169.47m				153/148 -5
			26			fs; interbded ≈ mis, as above									
						Box 73 (photo)									
			89			vfs; interbded ≈ fs; bioturb; carb pf									solid
B°			48			ms; x-bded; calc-filled fracs to 1 mm; fracs subparallel to core direction.									"
											561/170.99m				152/163 (+11)
		172.07	72			cs; calc-filled fracs to 1 mm; S/S's; massive									"

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. QU88008

PAGE No. 62

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 74									
	172.07		77			fs grdg ms occ calc fil high ang frac cross bedded occ carb pl rmns.									sol.d
				83.							566/172.52m				153/149 +4
			6			fs, a/a									sol.d
(8)			185			ufs, intbd ssh loc grdg ssh									"
			32			crsh sdy i/p sl carb									"
						Box 75									
			24			sh, sl carb loc slty									sol.d.
(21)				129							571/174.04m				152/147 (-5)
		175.36	105			sh, a/a occ calc fil high ang frac									"
		175.65	29			dk gy sh inc carb									"

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. QHD88004

PAGE No. 63

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	175.65		13			Sh a/a						-			mostly solid
		175.86	(9)			SILR.					576'/175.56m				152/147 (-5)
ROOF	176.51		8			CB (overall)									pulverized
			2			csh									"
			3			dk gy sh									
						Box 96									
(21)			5			CB									mostly solid
					3162										
			10			CA									"
			3			CB									"
			18			CA									
															"
			4			CB									
			8			CA									"
		176.51	4			CB									"

DRILL CORE LOG

65

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 64

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	176.51		6		1	CC									mostly solid.
			6			CB									"
			4			CA									"
			7			CB									"
			34			CA									"
			2		3162	CC									"
(21)			1			dk gy sh									"
			6			CA									"
			2			CB									"
			3			CC									"
		177.32	10	↓		CA					581/177.09m				" 153/146 (-7)

DRILL CORE LOG

81

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 65

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	177.32		18	22		CA									mostly solid
			6			CB									"
					3162										
			7			CA									"
			5	7		CB									"
		177.72	2			CB									"
(21)															
			1			CSH									"
			4			DK GY SH									"
			2			DK SH									"
			4		3163.	CC									Broken
			8			CB									"
			5			CC									"
		177.96	2			CA									Pulverized

DRILL CORE LOG

64

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 66

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 47							
	177.96		2	4		CA									mostly solid
			1			CC									"
			3			Csh									"
			1			CB									"
(21)			4			CA									"
			8		3163.	CC									"
			3			CB									"
			10			CA									"
			4			CB									"
		178.35	3			CD									

DRILL CORE LOG

39

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 67

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	178.35		3			CA									mostly so "
			1			CB									"
			3			BA									"
			1			csh									"
			7		3163	CA									"
(21)															
			1			csh									"
			5			CD									"
			10			CA									"
			2			CB									"
			5			CC									"
			2			CB									"
		178.81	6			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 69

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3163										
	178.81		4			CD									mostly solid
			10	17		CA									mostly solid
											586/178.61m				152/163 (+11)
			7			CA									"
			3			CB									"
			7			CA									"
(21)			1			CC									"
			9		3164	CA									"
			5			CB									"
			4	7		CA									"
			3			CA									"
			28			CB									"
		179.67	5			CC									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 69

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			20			CA									mostly soil/id
			7			CB									"
			1			csh									"
			6			CA									"
					3164										
						Box 78									
(21)			1			csh									"
			14			CA									
			2			CB									
			9			CA									
			1			CC									
		180.29	1			CA									

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DRILL CORE LOG

62.

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 70

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	180.29		1		3164	CC									mostly solid
			2			CA									pulverized.
FLOOR		180.40	(8)			Mc					591'/180.	4			153/137 (-16)
	180.40		(4)			MK									
			5			dk gy sh									solid
Kip			44		3165	sh abnt carb plmns thru grdy									"
(21)						crsh									
		181.16	23			dk gy sh incr carb with depth									"
R(1)						loc grdy dksh occ coal lam									
	181.16		3			CB bright vitreous coal occ									"
						sh lam									
			7		3166	dk gy sh									"
K1			2			CB									"
		181.34	6			dk gy sh									"
(R2)															
		181.41	7		3167	CA									

DRILL CORE LOG

3 25

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	181.41		1			csh									mostly sol.'d
			2	} 5		CA									"
			3			CA									"
					3167										
			3			csh									"
			3			dk sh									"
(21)															
			1			CA									"
		181.58.	4			dk gy sh									"
ROOF															
			3			CC									"
			1		3168	CA									"
			5			CB									"
			3			CA									"
		181.71	1			CD									"

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. QHD88008

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3018										
(16)	174.43		12 11			CB									brkn
FLOOR		174.68	14			CA									solid
8	174.68		50			grsh; occas interbded ssh; occas coalified pf, resulting in coal lam to 3mm.									solid
				70		Box 80									
			20			grsh., as above; abund. carb. pf thur									solid
			45			vfs; carb; carb plant fossils thur; grsh lam thur									solid
											576'/175.56m				152/161 (+9)
			67												
		176.60	(10)			grsh; carb pf thur; loc. silty MR									solid
ROOF	176.60		7		3019	CC									brkn
			55			CA → CB									solid
											581'/177.09m				153/134 (-19)
	177.22	177.27	5			CD									

m.27

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 67

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 79.					
	182.11		8		3168	CA					Partly Broken
			4			CB					"
			(6)			MC					
FLOOR		182.58	29			CA					"
K2P	182.58		5			crsh, carb thru sdy i/p					solid
(21)		183.24	61			ssh abnt carb pl rmns thru loc grdg vfs occ coal stringer to 0.5cm					"
			13			dkgy sh 1cm coal stringer from 2 → 3 (CA)					" "
			2			CA					"
			5			dk sh abnt coal laim to 1mm thru MK.					"
			(2)								
K1		183.48	2			CA					Pulverized
							601/183.18m				152/135 (-17)

DRILL CORE LOG 4/1 88.

Quintette Coal Limited

HOLE No. QHD88008

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BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	183.48		5			dk gy sh grdg dk sh abnt coal lam 4 to 1 mm thru									sol, j
			9			crsh, carb									"
			25			ssh abnt carb pl thru									"
			16			vfs, bioturb carb i/p intbd ssh									"
(21)			19			ssh grdg vfs carb i/p bioturb									"
						Box 80									
			81	119		vfs loc grdg fs intbd ssh carb pl thru bio turb									"
			38			vfs, a/a					686'/184.71				153/155 (+2)
			27			fs intbd vfs bioturb									
		185.86	18			vfs a/a									

DRILL CORE LOG

238.

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 75

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	185.86		9			ssh min intbd vfs carb i/p									
			18			crsh carb									
			14			sh, carb i/p									
											610/185 93				122/124 (+2)
						Box 81									
		186.48	21			ssh intbd crsh carb i/p									solid
(21)															
		187.32	84			crsh grdg sh inc carb									"
TOOF															
K-2	187.32		9			CB									mostly solid
			31	33		CA									"
			2		3169	CA									"
			1			CC									"
			4			CA									"
		187.80	1			CC									"

DRILL CORE LOG

1/6 48

Quintette Coal Limited

HOLE No. QHD88008

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	187.80		6	} 15		CA									
					3169						615'/187.45				152/159 (+7)
			9			CA									Badly Broken
FLOOR		187.96	(1)			mC									
			1			csh									solid
			23			ssh carb pl rmns thru bioturb									"
(21)			6			dk gy sh									"
			1			CC									mostly solid
			2			CA									"
		188.34	5			dk gy sh									
						Box 82									
		189.19	85			vfs loc grdg ssh bioturb occ cross bedded carb i/p									
											680'/188.97				153/132 (-21)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

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BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	189.19		4	} 09		vfs, a/a									sol.2
			10			ssh carb pl thru									"
			6			crsh inc carb									"
			7			dk gy sh									badly broken
			11			csh grdg to CD (overall)									pulverized to bdly brkn
			5			DK gy sh									
		190.32	40			vfs loc grdg fs biotuib i/b carb pl rmns thru ssh lam thru.									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 79

New Run -

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 83 (photo)							
	190.32		46			fs; interbded ≈ vfs; bioturb; x-bded; carb pf									solid
											625/190.50 m				153/159 (+6)
			18			vfs; interbded ≈ ssh; carb pf									mostly solid
			33			sh; carb pf									solid
			41			vfs; bioturb; carb pf									"
			16			dk grsh; abund carb pf									"
21°			42			vfs interbded ≈ fs; bioturb; carb pf									"
											630/192.03 m				152/150 (-2)
								Box 84							
		193.34	106			sh; organic matter; calc-filled fracs to 2mm									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88008

PAGE No. 79

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	193.34	193.93.	59			crsh jcarb pf									partly brkn
											635/193.59				152/165 (÷ 13)
						End of Hole.									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 96

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						QHD88009									
	0	58.16				Overburden									
						Box 1									
											189'				
	58.16		30			Till; cs. pebbles to 4cm									solid
			17			v. cs; grain size to 1mm; s/s's.									solid
(15)				62							191/58.22 m				
			45			cs; grains to 1mm									solid mostly
			2			ms; abund. carb pf									partly brkn
			31			cs, grdg to ms; abund coal lam to 2mm; carb pf									solid
			20			cgl; pebbles to 4mm									"
		59.78	17			fs; x-bdd; biotitch									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88009

PAGE No. 1

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
15°	59.78		39			ms; bioturb									solid
											196/59.74 m				154 (12)
								Box 2							
14°		61.65	148			fs interbded ; ms; x-bded ; s/s's									solid
											201/61.26				[illegible]
	61.65	62.16	51			fs, as above									"
	62.16	62.52	36			mc									
	62.52		9			sh; abund ca									solid
15°			~~35~~ 28			dkgrsh. abun									brkn
		63.22	33			sh; abund ca									solid
											/62.79 m				153/126 (-27)
		64.32	110			ssh; interbded									solid
						surface; 1cm mud band @ 104cm									

NO CORE
RECOVERY E Seam

DRILL CORE LOG
190

Quintette Coal Limited

HOLE No. QHD88009
PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	64.32		9			fs ; biaturb ; carb pf									solid
			13			ms									"
						Box 4									
											211/64.31 m				152 153 (-2C)
			29			vfs, interbded ē fs ; carb pf									"
			35			fs ; x-bded ; biaturb									"
18°			71			ms ; x-bded ; biaturb ; calc-filled fracs									solid
			19			vfs, interbded ē fs ; x-bded									"
				62							216/65.84 m				153 154 (+1)
			43			vfs, grdg to fs ; carb pf									"
						Box 5									
(15)		66.79	28			dkgy sst ; abund carb pf ; coal lam to 2mm									mostly solid

DRILL CORE LOG
247

Quintette Coal Limited

HOLE No. QHD88009

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	66.79		38			ssh, grdg to vfs; coal lam to 1mm; abund carb pf									solid
				46							220/67.06m				122/109 (-13)
			8			ssh, grdg to vfs, as above									"
			62			ms, interbded c̄ fs; x-bded; bioturb									"
15°			44			sh; abund carb pf									"
			27			ms; bioturb; x-bded									"
						Box 6									
			16	84		ms, interbded c̄ fs; x-bded									mostly solid
											225/68.58				152/157 (+5)
			41			ms, interbded c̄ fs, as above									solid
↓ ↑		69.73	58			ssh, grdg to vfs; slightly bioturb									"
(12)															

DRILL CORE LOG
294

Quintette Coal Limited

HOLE No. QHD88009
PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	69.13		54			fs; bioturb; x-bded									solid
											70.10 230/71.63 m				153/153 + 1
12°			21			vfs, grdg to fs; bioturb									"
				59		Box 7									
			38			vfs, intecbded c fs									solid
10°			79			fs; carb pf; slightly bioturb									"
			24			vfs; bioturb									"
											235 71.63 240/73.15 m				153/162 (+9)
			35			fs; x-bded; bioturb									solid
			30			vfs, grdg to ssh; abund carb pf									partly brkn
						Box 8									
		72.79	25			fs, intesbded c vfs									solid

DRILL CORE LOG

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Quintette Coal Limited

HOLE No. QUD88009

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
24°	41.10		64			ms; x-bded i/p; bioturb									solid
				189							240/73.15 m				151/154 (42)
			125			ms; x-bd'd · bioturb; S/S's; carb pf; calc-filled fracs									mostly solid
						Box 9									
			39			fs; interbdd ± vfs; bioturb									"
											245/74.68 m				133/167 (41)
			110	177		fs, interbded ± ms; S/S's; bioturb; calc-filled fracs									partly broken
			28			fs; bioturb; S/S's									solid
9°			21			ms, interbded ± fs; x-bded; bioturb									"
											251/76.5 m				182/129 (-73)
(17)		176.76	10			fs									solid

DRILL CORE LOG

397

Quintette Coal Limited

HOLE No. QHD8800 4

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 10							
17	76.16		15.6	18.6		fs; x-bdd; biotuib; S/s's; carb pf									mostly solid
											256/78.03 m				153/1.6 (+13)
			20			fs, as above									solid.
			29			ms; coal laus to 2mm; biotuib									broken @ bottom, rest solid.
				5.5				Box 11							
			26			ms; x-bdd									mostly solid
			25			fs; biotuib									"
			22			vfs. ; abund carb pf									solid
14		79.75	21			dkgrsh; abund carb pf									"
											261/79.55 m				154/143 (+9)

DRILL CORE LOG

299

Quintette Coal Limited

HOLE No. QUD 88009

PAGE No. 17

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
14°	79.75	80.94	119	140		dkgrsh grdg to grsh, as above									mostly solid.

DRILL CORE LOG

119

Quintette Coal Limited

HOLE No. QHD 88[illegible]

PAGE No. 2

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 12									
	80.94		31			ssh, carb i/p									solid
			12			crsh bioturb, carb									"
				53							266'/81.08				153/162 +9
			41			crsh a/a									"
(14)			17			sh abnt carb thru loc slty									"
		81.98	3			dk gy sh coal lam to 2mm thrue									mostly solid
			59			sh a/a									"
		82.14	17			dk gy sh, loc slty abnt coal lam thru gen ≤1mm									"
											271/82.60m				152/137 — (15)

DRILL CORE LOG 180

Quintette Coal Limited

HOLE No. QMD 88009

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	82'14	82'19	5	} 22		dk gy sh a/a									partly broken
	82'19		3			CB, bright vitreous bands CA to gen 2mm									badly broken
			3			CD									"
			3			Csh									"
			~~6~~ (5)			CB (overall)									"
					3170	Box 13									
(14)															"
			~~15~~ (13)			CC grdy CB appears realively clean but unusually dense									"
			~~7~~ (6)			CB									"
			~~8~~ (7)			csh									partly bckn
			~~9~~ (7)			dk sh									"
		83,31	5			csh									"

DRILL CORE LOG

5

Quintette Coal Limited

HOLE No. QnD 88-09

PAGE No. 10

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	83.31		10			dk sh									partly brkn
					3170										
		83.46	5			dk gy sh									"
	83.46.		2			c sh									"
			3			CC									"
			2			CB									"
			4			CA									"
(14)															
			2			CB									"
			5		3171	CA									mostly sol. J
			11			CB									"
32			9			CA									"
32															
			2			CB									"
		84.08	22.			CA									badly brkn

DRILL CORE LOG

62

Quintette Coal Limited

HOLE No. QMD 86009

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	84.08		15			CB					badly broken
			2			CD (CB overall)					"
			29			CA					pulverized.
			(5)				276'/84.12m		152/184		(+35)
						drill cutting & mud mixed - (NOTE DO NOT INCLUDE INTALLY)					"
29			8			CB					partly broken
28 (14)			1		3171	CC					"
			2			CA					"
			1			CD					"
			4			CA					
			3			CB					
		84.80	7			CA					

DRILL CORE LOG

92

Quintette Coal Limited

HOLE No. QH-83-...

PAGE No. 12

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	94.80		2			CB									partly broken
				6			Box 14								
			4			CB									End [illegible]
			2			CD									"
			1			CA									"
			1			CC									"
			7		3171	CA									"
(14)															
			5			CB									mostly soil
			9			CA									"
			1			[illegible]									"
			10			CA									[illegible]
		85.29.	7			CD [illegible]									"

DRILL CORE LOG

49

Quintette Coal Limited

HOLE No. QHD 880[illegible]

PAGE No. 13

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	85.29		1		3171	[illegible]									Badly Brok. [illegible]
			(71)			mc.									
			6			DK Gy SH coal to 2mm com thru grdg dksh									partly broken
											281/85.65m		153/82		-71
			2			dkgy sh									[illegible]
			2			CB									"
			2			CC									[illegible]
			6			CB									"
(14)			4		3172	CA									"
			12			CE									"
			1			csh									"
			2			cc									"
			10			CB									"
		86.59	11			dkgy sh									"

DRILL CORE LOG

89 130

Quintette Coal Limited

HOLE No. QHD 88-[illegible]

PAGE No. 14

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	86.59		3			CB									[illegible]
			1			CD									"
			6			dksh									partly brok[illegible]
			13		3172	CB									"
			3			CA									"
(14)			3			CB									mostly sol[illegible]
			4			CD									"
			10			CB									bati[illegible]
		87.47	(45)			MC									
	87.47		10			dk gy sh									solid
		87.59	2			dk sl									"
	87.59	87.63	4			CC									"
											286'/87.[illegible]				152/129 (−23)
	87.63	87.72	9			dk gy sh									"

DRILL CORE LOG

68 (9)

Quintette Coal Limited

HOLE No. QHD 88[illegible]

PAGE No. 15

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	27.72		3			dk sh									
			1			Cu									
			16			dk [illegible] sh, sltr i/p abnt carb [illegible] thru									
(14)				119		Box 15									
		88.95	103			[illegible] to 2m [illegible] thru									[illegible]
↓											291'/88.79		153/132		-21
↑			29			crsl. abnt carb pl rmns thru									"
			29			ssh loc grdg vfs bioturb carb									"
(27)						pl rmns thru.									
			21			vfs bioturb carb i/p.									"
		89.96	22			ssh, a/a.									"

DRILL CORE LOG

~~224~~ 245

Quintette Coal Limited

HOLE No. OHT 88

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
															mostly solid
						Box 16									
	89.96		2			dk gy sh									mostly solid
			24			crsh abnt carb mat thru									"
(27)			(11)			(MR)									
			18			dk gy sh coal to 1mm com thru									"
											296/90.22	?	15∆/145		(-4)
			41			crsh carb									
		91.68	16			dk gy sh loc silty coal/com thru									

DRILL CORE LOG

101/108

Quintette Coal Limited

HOLE No. QHD 88-104

PAGE No. 17

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	91.08		5			ssh bioturb carb									solid
			4			vfs carb bioturb									"
			4			crsh occ coaly stringers to 3mm inc carb									"
			"												
			10			vfs grdy ssh crsh lam thru. carb									solid
27			5			ssh, a/a									"
↓ ↑			42			vfs, a/a									" "
			9			crsh bioturb carb									
(17)															
		9207	14			vfs iabnt pyr sl carb bioturb									

DRILL CORE LOG

93

Quintette Coal Limited

HOLE No. QHD 88003

PAGE No. 18

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 17							
	97.01		(2)			MR									
											301/91.74 m				157/150 (-3)
			21			vfs; carb pf									solid
			19			fs; bioturb; carb pf									"
			18			grsh; abund. carb pf									"
			39			fs interbedded ≈ ms; bioturb; carb pf									"
			39			vfs; bioturb; carb pf									"
17°			34			fs; bioturb									"
											306/93.27 m				153/170 (+17)
				155											
			46.			fs, as above									solid
								Box 18							
↓		94.94	75			fs; bioturb; coal lam to 3mm; carb pf									solid

DRILL CORE LOG

2/1 292

Quintette Coal Limited

HOLE No. QHD88009

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	94.94		25 (6)			sh; coal lam to 0.5mm; carb pf MR									solid
											311/94.79m				152/146 (-6)
			-43			sh, as above.									"
18			31			fs; bioturb; carb pf									"
			46			ms; x-bded; slight carb pf									"
				57		Box 19									
↓			11			ms; x-bded									solid
			31			fs; bioturb.									
(14)															brtu @ bottom, rest solid
				33							316/96.32m				153/162 (+9)
			2			fs, as above									solid
		76.93	4			ms									"

DRILL CORE LOG

193 199

Quintette Coal Limited

HOLE No. QHD88009

PAGE No. 20

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
14°	96.93		61			fs, as above; carb pf									solid
			79			sh; abund carb pf									brkn i/p
			6			MR									
											321/97.84				152/146 (-6)
			16			vfs, grdg to fs; carb pf									partly brkn
						Box 20.									
			59			ssh; carb pf									badly brkn @ bottom
			41			dkgrsh; abund carb pf; calc-filled fracs									partly brkn
			46			sh; abund carb pf									solid
											376/99.36 m.				152/162 (+10)
9°			71		137	grsh; carb pf; S/S's; calc-filled fracs									mostly solid
						Box 21									
7°		101.38	66			grsh; carb pf									solid

DRILL CORE LOG

439 445

Quintette Coal Limited

HOLE No. QHD88009

PAGE No. 21

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	101.38		.16			MR					
							331/100.89				153/151 (-16)
			73			sh, grdg to ssh; carb pf					mostly solid
			70			ssh grdg to vfs; carb pf					"
						Box 22					
											solid
			7			sh; slight carb pf					
							336/102.4				152/150 (-2)
			157			ssh; grdg to vfs; bioturb i/p; carb pf i/p.					solid
							341/103.94m				153/154 (+1)
			38	247		ssh; grdg to vfs, as above					"
						Box 23					
			52			ssh, grdg to vfs; bioturb, carb pf					solid
8°		105.70	19			grsh; carb pf					"

DRILL CORE LOG

AG-432

Quintette Coal Limited

HOLE No. QHD 88-001

PAGE No. 22

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	105.70		48			vfs, grdg to fs; S/S's; calc-filled fracs; carb pf.									solid
											346/105.46m				10.2/151 (15)
			54			fs; bioturb; S/S's; carb pf									"
(8)															
			9			grsh; abund carb pf.									mostly solid
		107.14	33			ssh, grdg to vfs; S/S's; carb pf.									solid

DRILL CORE LOG

144

Quintette Coal Limited

HOLE No. QHD88009

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 24					
	107.14		12			sh loc slty abnt carb pl seams thru					solid
		107.51	25			dk gy sh inc carb occ coal lam					"
			4			dk sh coal lam to 1mm thru.					Broken
(8)			2			coaly sh					"
			2			CD					Broken
			11			MR	351/100.98m				152/141 (11)
			30			dk gy sh loc grdg to dk sh					solid
			2			cr sh anomalously dense possibly containing heavy mineral? massive possible siliceous.					
		108.04	2			dk gy sh					badly broken
	108.04	108.08	4		3173	CB					partly broken

DRILL CORE LOG

7/90 (4)

Quintette Coal Limited

HOLE No. QHL 88001

PAGE No. 24

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	108.08		1			csh									partly broken
			9			CB									mostly solid
			3			csh									"
			2			CD									"
			8			C A									"
8			2			CD									"
			2		3173	csh									"
			4			CB									"
21			3			dksh									"
			1			cc									"
			3			CA									"
		108.52	6			CB									"

DRILL CORE LOG

(44)

Quintette Coal Limited

HOLE No. QHD88-19

PAGE No. 25

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	108.52		8		3173	CB									mostly solid
			6			CC									
		108.96	30			MC									
											356°/108.51				153/96 – 57
	108.96		5		3174	vfs pyritic (int is approx 30% by weight p-tic) cl carb									solid
						This interval does not belong here???									
						Sample piece partially milled.									
(8)															
		109.22	21			dk gy sh, thin coal lam ≤ 1.0mm									"
						thru. coalified root matter grdg dk sh									
	109.22		8			dk abnt coal lam to 2mm thru.									"
51			5		3175	CA									"
			1			csh									"
			3			CA									"
			5			CB									"

DRILL CORE LOG (14) 22

Quintette Coal Limited

HOLE No. QHD 88-17

PAGE No. 26

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			5			CA									solid
			3			CB									
						Box 25									
			14/11			CA									badly brkn-pulverized
(8)					3175										
			3			CC									partly broken
			4			CB									"
			9			CA									"
		109.87	11/8			CB									"
	109.87		4/3			Csh									"
			3/2			dKsh									"
			3/2		3176	CB									"
			4/3			CA									

DRILL CORE LOG

63

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 27

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3176										
			3			csh, coal lam with sdy partings									solid
		110.15	1615			vfs, carb thru									"
			3			CB									"
			12			CA									"
			1			CD									"
(8)															
			5	8		CA									"
											361'/110.03				152/151 (-1)
			3			CA									Partly broken
			(10)			MC									
			4		3177	CB									"
			6			CA									"
54.			9			CB									"
			7			CA									"
			2			CB									"

DRILL CORE LOG

(52)

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 28

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			8			CA									Partly broken
			2			CB									"
			2			CA									"
			2			CB									"
			9			Cf									"
						moved this unit (10 dk gy sh)									"
(6)															
			3			CB									"
			3			CA									"
					3177										
			1			dk sh									"
			4			CB									"
			2			CD									"
FLOOR.		111.56	43			MC									
		111.61	5			dk sh coal lam to 10mm thru									badly bkn
		111.71	(10)			dk gy sh									

DRILL CORE LOG

(46) 5

Quintette Coal Limited

HOLE No. QTD 82009

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				↑ 17											
	111.71		7	↓		dk gy sh silty i/p abnt coal lam thru.									sol'd
⑧			19			sh, abnt carb mat thru.									"
						grdg dk gy sh loc silty									
				29											
											366/14 56'				FSS 108 (-45)
↓		112.07	10	↓		sh lam									"

DRILL CORE LOG

36

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 30

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 26									
↑	112.07		73			fs; bioturb; x-bded; carb pf									solid
			47			ms; bioturb; x-bded; carb pf									"
			30			fs, as above									"
											371/113.08m				152/160 (+8)
6°			66	122		fs, as above									solid
						Box 27									
			26			fs; interbded c ssh.; carb pf									"
			86			ssh; loc silty; carb pf; calc-filled fracs; mal lam to 1mm									"
											376/114.60m				152/178 (+26)
↓		116.19	84			vfs; bioturb; abund ↓carb pf									"

DRILL CORE LOG

4/2

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 31

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
22°	116.19		15			dkgrsh;	abund.	carb	pf						partly brkn
			20			gysh;	abund	carb	material						mostly solid
								Box 28							
			24			dkgrsh:	abund	carb	pf						brkn
*											381/116.13m				153/143 (-10)
			22			vfs;	carb	pf							solid
			24			fs;	bioturb;	x-bded							"
			6			ms;									"
			106			fs;	interbded	ē	vfs;	bioturb; slight carb pf					"
				131							386/117.65m				154/158 (+6)
12°		118.61	25			fs,	as	above							
								Box 29							

DRILL CORE LOG

242

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 32

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	118.61		124			fs; x-bded; bioturb.; carb pf									solid
				204							391/119.18m				155/149 (-4)
8°			80			ifs, as above									"
						Box 30									
↓			34			vfs, interbded ≈ fs; bioturb									solid
			36			fs; bioturb									"
											396/120.78m				152/150 (-2)
			140												
16°			141			vfs, ; slight carb pf; bioturb									"
						Box 31									
↓			13			crsh, grdg to ssh									solid
											401/122.22				152/155 (+3)
13°		123.58	.70			ssh.; S/S's; slight carb pf									"

DRILL CORE LOG

499

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 33

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	122.58		45			fs; x-bded; calc-filled fracs.									solid mostly
			39			cs									solid.
											406/128.75m				153/154 (+1)
			33			cs									"
				277											
						Box 32									
			115			cs; x-bded.									solid.
											411/125.27m				152/148 (-4)
13°			90			cs, as above; coal lam to 1mm; x-bded.									"
						Box 33.									
			69			cs; x-bded.									solid
				242							416/126.80m				153/159 (+6)
14°		128.92	143			cs, as above; slight carb pf.									"

DRILL CORE LOG

534

Quintette Coal Limited

HOLE No. QHD88009

PAGE No. 34

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 34							
											421/128.32 m				152/143 (-9)
22°	108.92		118			cs; slight carb material									solid
			38			sh; around carb pf									"
				81							426/129.84 m				152/156 (+4)
		130.91	43			sh, as above									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 35

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 35									
	130.91		62			crsh carb ip									solid
			6	106		sh, carb loc slty									"
		132.59	100			sh a/a									"
			22			dk gy sh incly carb occ coal lam loc slty									"
(22)			14			sh a/a									
			3			dk gy sh									
		132.98									435 132.59				275/250 (25)
						Box 36									
			-												
			7			CB									Broken
					3178										
(21)			2			csh									
		133.12	5			dk gy sh									

DRILL CORE LOG

207 (14)

Quintette Coal Limited

HOLE No. Dill 88009

PAGE No. 36

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	122.12		1			CD									Broken
			16			CB									"
			8			CA									" Bdly
			17			CB, loc grdg CA (CB overall)									Badly Broken
					3178										
			4			CD									"
(21)			6			CA (overall)									pulverized.
			(28)			MC.									
			6			CB									Broken
			30			CA									"
			3			CB									"
			2			CC									"
		134.61	28			CB (overall)									poly - bdly brkn

DRILL CORE LOG
(121)

Quintette Coal Limited

HOLE No. DHL 88-000

PAGE No. 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	134.61		6			CA									Broken
			9	} 12		CB									"
											440'/134.11				152/150 - 2
			3			CB									"
			3			CC									"
					3178										
			10			CA									"
(21)			1			CD									"
			3			CA									"
			7			CB									"
		135.08	5			CC									"
	135.08		3			CD									"
		135.14	3		3179	csh									"

DRILL CORE LOG
(53)

Quintette Coal Limited

HOLE No. QHD 88-9

PAGE No. 38

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jl.	FRACTURE TYPE AND CHARACTERISTICS
					1			Box 37							
	135.14		1			CA									mostly solid
			2			CD									"
			3			CB									"
			2			CA									"
			9		3179	CC									"
(21)			27			CB									"
			1			CA									"
			11			CB									"
			9			CA									"
			3			CB									
		135.87	5			CA									

135.84

DRILL CORE LOG

(73)

Quintette Coal Limited

HOLE No. QUD 88005

PAGE No. 39

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	135.87		2			CC									mostly solid
			3			CB									"
42			1			CC									"
			8			CB									"
			3			CA									"
			8		3179	CB									"
			2			CA									"
21			5			CB									"
			4			CA									"
			6	10		CB									"
											445/13564m				153 153
			4			CB									Brkn
		136.39	6			CA									"

DRILL CORE LOG
136.39 (52)

Quintette Coal Limited

HOLE No. QHL 88009
PAGE No. 40

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	136.39		11			CB									Solid
			6			CA									"
			6		3179	CB									"
M1			9			CA									"
			1			CB									"
		136.75	3			Csh									"
(21)			5			CA									Broken
			5			CB									"
			11		3180	CA									mostly solid
34			2			CC									"
			10			CA									"
		137.09	1			CB									"

DRILL CORE LOG

137.09 (70)

Quintette Coal Limited

HOLE No. QH13 80-004

PAGE No. 41

137.09

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	137.09		5			CA									mostly solid
			3			CB									"
			8			CA									
				18		Box 38									"
			~~11~~ 10			CA									Partly Brkn
67 (21)			~~10~~ 8		3180	CB (overall)									Badly Brkn
		137.46	3			CC									solid
	137.46		3			CSh									soil
		137.52	(3)			MR.									
	137.52		40			CA									Badly Brkn - Pulv.
			"								451'/137.46m				182/123 - (59)
33		138.25	33			CA									Badly Brkn Pulv Bot 9cm
															other mostly solid

DRILL CORE LOG

~~(116)~~ 143

Quintette Coal Limited

HOLE No. QHD 88000

PAGE No. 42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	138.05		19			crsh sdy i/p carb thru									solid
			56			vfs grdg ssh abnt carb pl mat thru bio-turb; crsh lam thru.									"
			2			dk gy sh. occ coal lam to 2 mm thru.									"
			3			dk sh. abnt coal lam thru to 4mm									mostly solid
			2			dk gy sh									"
			9			crsh silty i/p carb									"
(21)			3			dk sh a/a									"
			4			dk gy sh									"
			2			csh									"
			3			dk sh									"
		139.29	2			CB									"

DRILL CORE LOG (404)

Quintette Coal Limited

HOLE No. QHD 88-9

PAGE No. 43

139.36

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	139.29	139.36	7			sh abnt carb pl rmns thru loc slty.									solid
						Box 39									
			12			MR					456'/138.98				1152/144 (8)
K1			6			CA									BrKn
			2			CB									"
			2			MR									
(21)			2		3181	CD									"
			3			DKgysh									"
			1			CB									"
		139.70	6			DKgysh loc grdg dksh abnt coal lam to 1mm thru									"

DRILL CORE LOG

~~27~~ 42

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 44

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
K1 cont															
	139.70		5			CB									solid
			9			CA									Bdly Brkn
			22			CB overall									"
			10	27	3182	CA									"
54			17			CA									solid
			2			CB									solid
			33			CA (Bottom 10cm Bdly Brkn)									"
		140.92	24			MC					461/140.51m				153/118 — (35)
(21)			11			MR									
		141.42	39			ssh abnt carb pl rmns thru.									solid
	141.42		27	28		vfs bioturb carb pl rmns thru.									solid
						Box 40									
		141.72	1			vfs a/a									solid

DRILL CORE LOG

(122) ~~67~~ 78

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 45

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
21	141.10		14			ssh grdg crsh inc carb									solid
			2			crsh									
			7			dk gy sh occ coal lam to 2mm inc carb									partly brkn
			2			CA									pulverized.
			6			dk gy sh a/a									partly brkn
			2			csh									pulv.
			31			dk gy sh loc grdg dk sh coal lam to 2mm corr. thrue									mostly solid
			7			crsh abnt carb pl rmns thru									"
			4			vfs carb ssh lam									"
22			6			crsh a/a									
		142.56	6			MR					466'/142.04m				153/144 (-6)
		142.58	2			MR									

DRILL CORE LOG

~~80~~ 86

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 46

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	[illegible]		94			ssh intbd v.fs abnt carb pl rmns thru.					solid
			24			v.fs bioturb carb pl rmns thru. intbd ssh loc grdd fs:					solid
				53		Box 41					
22			29			v.fs a/a					solid
			12			(MR)	471/1435				152/147 (<5)
			38			ssh grdd crsh carb i/p occ coal lams to 1mm					" "
			61			v.fs EXT BIOTURB CARB pl rmns thru loc grdd ssh					mostly solid
			11			ssh, carb i/p					Broken
		145.16	49	↓		sh, carb i/p loc slty					"

DRILL CORE LOG

306319

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 47

APPEARS MARKER LOW 2-3m

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 42									
	145.76	145.90	14	} 63		sh a/a									mostly solid
59			3		3183	CB									"
			5 6 4 1	} 70		CA									"
25		146.63	25 28			CA									"
			6			dk gy sh slty s/p occ coal lam									"
(22)			7			ssh abnt carb pl rmns thru.									"
			12			dk gy sh a/a									"
			1			CA									"
			1			dk sh									"
			1			CC									"
		147.00	9			dk gy sh									

DRILL CORE LOG 14
37

Quintette Coal Limited

HOLE No. DHD 88-1

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(22)	147.11		1			CA									mostly pulverised.
↓															
↑			13	} 47		vfs, carb					481'/146	60m			solid
															3.0+ / 298 (-6)
29		147.48	34			vfs, a/a bioturb i/p									11
		141.66	18	↓		fs, bioturb occ carb pl rmns.									11

DRILL CORE LOG

66

Quintette Coal Limited

HOLE No. QH1 88-110

PAGE No. 49

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 44							
(29)	1117.11		16	34		fs, grdg to vfs ; bioturb ; x-bded									solid
			33.			dksh ; coal lam to 3mm ; abund carb pf									brkn
			16.			grsh ; abund. carb pf									solid
16°			28	68		fs ; bioturb ; carb pf									"
											486/148.13m				$\frac{153}{145}$ (-8)
			40			fs, as above									"
			40			grsh, as above									partly brkn
			37	56		fs ; bioturb ; slight carb pf									
								Box 45							
			19			fs ; x-bded ; bioturb ; carb pf									mostly solid
↓		1501.11	16			grsh ; abund carb pf									brkn

DRILL CORE LOG

245

Quintette Coal Limited

HOLE No. QHD 88001

PAGE No. 50

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											491/149.6m				153/152
↑	150.11		35			dk grsh ; abund carb. pf									mostly solid
			5			vfs									solid.
18"			63			dk grsh, as above									mostly solid.
			14			sh ; carb pf									"
		151.59	31			sch, grdg to vfs ; carb pf									solid
											496/151.9				153/149 (5)#
						End of Hole.									

DRILL CORE LOG

148-

Quintette Coal Limited

HOLE No. QHD 88009

PAGE No. 51

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Casing = 59.44 m									
	0.00	51.66				OB	Box 1								
	51.66		213			MUD slty and sdy i/p									Br.Km
											marker missing				
							Box 2								
				3.33											
			43			mud a/a									mostly solid
											177'/53.95				
(15)			77			mud a/a									"
			(30)			missing 1 foot sample geotechnical									"
						purposes									
			12			ms boulder in muddy matrix									"
			(3)			MR.					101'/55.17 m				122/89 (-33)
		56.00	56			mud slty and sndy i/p occ floating									"
						pebbles to 2cm									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 00010

PAGE No. 1

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 3									
	56.00		85	1.80		mud a/a occ w/ rnd floating clast 5cm x 3cm									mostly sol.
						MR					186'/56.29				152/141 - (11)
			39			mud a/a									"
(15)															
			85	1.17		glacial till poorly sorted unconsolidated [illegible] subrnd predominantly sed. clast in sdy slty muddy matrix clasts to 12cm									"
						Box 4									
			32			glacial till a/a clasts typically mss crs									"
											191'/59.22				153/156 (+3)
		59.64	123			mud slty - sdy occ floating pebbles - mg brkn bedrock clast comm bot 6cm									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88010

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	59.64		32	.44		Sh dkgy – H carb	196'/59.7m				Sol, J 152/155 (+3)
			12			Sh a/a					
						Box 5					
15			138	2.13		crsh loc sdy carb	201'/61.26				Solid 152/138 (-2)
			75			crsh a/a min intbd vfs 53-62					"
						Box 6					
19			88	1.97		ssh bioturb carb i/p	206'/62.77m				Solid 152/163 (+10)
		64.18	109			ssh/a/a loc grdg vfs abnt horizontal burrows? thru Burrow 0.5 min x 5.0 mm					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD 88016

PAGE No. 3

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 7									
20	64.18.		94			vfs crsh lam thru, top 5 1cm carb					and is				solid
						grdg ssh with abnt horz burr a/a									
						Bottom 43 cm aren, rare carb									
						pl rmns occ scale fil frac									
			65			fs mass relativity clean									solid
											215'/65.53m				271/268 (+6)
			43			fs a/a abnt subrnded - subang									
						ssh cipups from 27-30									
				224		Box 8									"
13			116			fs loc grdg vfs abnt carb									solid
						lam < 1mm crossbedded.									
											220'/67.06m				153/159 (+6)
15			95			fs a/a.									
				136		Box 9									
		68.72	41			fs grdg vfs carb lam Top 16cm									"
						intbd ssh 29 → 41 cm									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88010

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑											
16	68.72		25	76		vfs - carb lam thru bioturb i/p minor intbd					solid
							226'/69.88m				182→ 161 (-21)
			51			vfs a/a carb lam rare					11
↓											
			83			fs grdg vfs bioturb rel clean ie clean					11
						Box 10					
			22			fs grdg vfs mass - clean (Caren)					11
							231/70.41				153 156 (+3)
22			155	663		fs a/a loc bioturb occ carb lam from 30-40gm					11
							236'/71.93				152 155 (+3)
			30			fs a/a					11
						Box 11					
		72.88	50			fs grdg vfs bioturb					11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88010

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	72.88		76			vfs sl carb bio turb									solid
						loc gidy fs					241/73.46m				153/156 (+3)
			75			vfs l/a/a									solid
						Box 12									
(22)															
			78			vfs int bd ssh x bded · occ									"
						ripup clsts					246'/74.98				151/153 (+1)
			94			vfs a/a bioturb									"
			16			ssh sl carb									"
			14			vfs gidy fs min int bd ssh									"
↓		76.46	5			cssh sl carb									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88-110

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 13					
↑	76.46.		14	67		vfs intbd ssh sl carb					solid
							251/76.50m				152/143 (-9)
16			53			vfs intbd ssh a/a					"
			106	104		ssh bio turb intbd vfs.					
						slcarb frac zone 113 ⇒ 116					
						with caotic network calc filled					
				145		frac					
							256/79.03m				155/159 (+6)
											"
			41			ssh a/a.					
↓						Box 14					
			109			crsh sdy i/p					solid
				204			261/79.55m				152/150 (-2)
B		80.62	97 95			crsh a/a					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHb 88010

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 15					
↑	80.62		10.5 (63)	88		ssh grdg vfs bioturb					solid
							266/81.08m				153/162 (+9)
			25			ssh a/a					"
16			81			vfs bioturb i/p xbded minor intbd ssh					
			19			ssh bioturb s/carb					"
			18			vfs, a/a					"
							271/82.60m				153/142 (+9)
						Box 16					
15			153	225		vfs, loc grdg fs intbd ssh bioturb thru occ carb pl rmns and rt rmns.					s-l.2
							276/84.12				152/152 (+1)
↓		84.75	54			v-fs a/a					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88010

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 17									
18	84.75		56			vfs intbd ssh, crsh bioturb i/p exbded mst intbd fs									mostly solid
			40 37			fs carb pl rmns com thru occ calc fils frac									broken
											281' 85.65m				103/150 (13)
			65 63.			ms bioturb i/p loc grdy f/s top 30 cm sl carb									Top 10cm Broken rest solid
			11			crs grdy ms occ carb pl rmns & rmns									
			7			ms bioturb occ carb pl rmns									
			5			crs a/a									
			12			fs grdy ms bioturb occ carb pl rmns									
		86.74	8			ms a/a									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88 [illegible]

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 18					
(18)	86.74		7			fs grdg ms: bioturb					mostly solid
			5			ms					"
			7			fs grdg vfs bioturb occ carb pl lmns.					"
			4			vfs bioturb sl carb					"
			5			ms, ala					"
			12			vfs bioturb grdy ssh					"
19			10	51		fs occ carb lam					
							286'/87.17				152/158 (+6)
			41			fs ala					
		87.81	16			vfs loc grdy fs occ calc fils frac					Broken

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 8801D

PAGE No. 10

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	87.81		3			crsh rubble, possible unconformity									Broken
						uncons									
			12			vfs, a/a									
			39			cgl well rnded pbles < 0.75 cm									mostly solid
			35			fs bio turb rr carb pl rmns.									"
											291/88.70				153/146 (-7)
						Box 19									"
B			31			vfs grdg fs bioturb from 17-31cm xbded									solid
			19			cgl well rnded pebbles to 2cm									"
			5			fs, bioturb									"
			11			vfs to grdg fs bioturb									"
↓		89.58	22			cgl sub rounded - sub ang pebbles to 1cm									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHL 88-10

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	89.58		67			fs, bands of eql. to 0.5 cm thru sub rounded pebbles < 0.5cm occ high cncy calc fil fracs									Solid
											296'/90.22m				152/155 (+3)
				216											
			46			fs occ floating pebbles to 1.0cm calc fill high cncy/frac									"
						Box 20.									
19.		91.74	103			fs. pebble band at 14-15cm sub cncy pebbles < 0.5cm xbded									" "
						end of Hole.					91.71m				

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QNL 88013

PAGE No. 12

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								QHD88011							
								Box 1							
	0.00	26.04				OB.					75'/22.86				
			129			grey mud; poorly consolidated; ~4cm redrilled limestone @ top.									unconsolidated solid
			(31)			1 foot sample									
											81'/24.69				183/202 +19
(22)			71			grey mud, as above.									"
								Box 2							
			47			dark grey-black mud; extremely fine-grained									"
			67			dark grey mud; fine-grained.									"
											86'/26.21				1.52/185 +33
		304.2	93			grey mud									
			407												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88011

PAGE No. 1 of 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 3									
						Box 3 not logged or photographed. Box 3 is to be found with QHD 88010									
	30.42	32.52	2.10			Assume 2.10 m of mud (amount left to fulfill Marker distance)									
(22)															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 8801/

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 4							
	32.52		33			grey mud; extremely fine-grained									unconsolidated solid
											97/29.57				
			116			grey mud, as above									"
											101/30.78				121/116 (-5)
22			49			grey mud, as above									"
								Box 5							
			102			grey to black mud									"
											106/32.31				153/151 (-2)
			107			grey to black mud, as above									"
								Box 6							
		37.24	65			grey to dark grey mud									"

4½

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88 011

PAGE No. 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											111/33.88				152/172 (+20)
	39.24		138			grey to dark grey mud, as above; extremely fine-grained									unconsolidated sol. d
								Box 7							
											116/35.36				153/138 " (-15)
(22)			135			dark grey mud; extremely fine-grained									"
											121/36.88				152/138 (-17)
			73			mud, as above.									"
								Box 8							
			76			grey mud; extremely fine-grained									"
											126/38.40				152/149 (-3)
															"
		42.81	135			grey mud, as above									
			557												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88011

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 9							
	42.81		13			grey mud; fine grained (extremely)									unconsolidated solid
											131/39.93				153/148 (-5)
			141			~~et~~ mud; grey in colour; fine grained									"
(22)											136/41.45				152/141 (-11)
			62			mud, as above									" "
								Box 10							
			86			grey mud, extremely fine-grained; 1cm zones of slightly consolidated materials									"
											141/42.98				153/149 (-5)
		47.09	126			grey mud; extremely fine-grained; poorly consolidated; last (bottom) 6cm well-consolidated									"
			428												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 11					
	47.09		17			dark-grey mud; fine-grained					unconsolidated solid
							146/44.50				$\frac{152}{143}$ (9)
			153			dark grey mud; extremely fine-grained					"
(22)							151/46.02m				$\frac{152}{151}$ (+1)
			24			dark grey mud, as above.					"
						Box 12					
			67			dark-grey mud; extremely fine-grained					" (partly brkn)
			18			grey mud; partially cemented; poorly consolidated					
			55			dark grey mud; fine-grained					"
		50.86	23			grey mud					
			357								

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							156/47.55				153/181 (+3+)
	50.66		47			mud (grey), as above.					semi-solid
						Box 13					
			138			grey to dark grey mud; extremely fine-grained					"
							162/49.38				183/185 (+2)
(22)											
			72			mud, as above					"
						Box 14					"
			23			grey to dark-grey mud.					"
							167/50.90				152/95 (-57)
			30			1 foot sample taken out					"
		54.96	120			dark grey to grey mud; fine-grained					"
							172/52.43				155/150 (-3)
			430								

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	54.96		53			grey to dark-grey mud, as above					solid
						Box 15					
			102			grey mud; fine-grained; pebbles up to 1.5 cm of white rock (sandstone)					semi-solid
							177/53.95				152/153 (+3)
22			107			dark-grey mud ± slight (<1mm) lams of light grey material					"
						Box 16					"
			31			grey mud; fine-grained					"
							182/55.47				152/138 (-14)
		59.30	141			grey to dark-grey mud; extremely fine-grained					"
		59.60	30.			1 foot sample taken out					
							187/57.00				153/141 (-12)

434.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	59.60		15			mud, as above.									semi-solid
								Box 17							
			65			mud; fine-grained									"
	60.40		36			fs.									solid
											192/58.52				152/116 (-36)
22			92			fs, as above.									"
				2.73							196/59.94				122/92 (-30)
			12			fs, as above.									broken @ top 5cm
								Box 18							
↓		63.13	133			fs, grdg to ms; clay layer to 1cm									partly broken; mostly solid
											201/61.26				152/138 (-18)
			352												

DRILL CORE LOG

(272) Rock

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
20	63.13		69			vfs; interbded c fs					solid
						Box 19					
			92			fs; clay layer to 3cm @ 8cm from top					mostly solid
				1.99			206/62.79				153/161 (+8)
			107			fs; S/s's; calc-filled fracs					solid
						Box 20					
*			52			ms; interbded c fs; calc-filled fracs					"
							211/64.31				152/159 (+7)
			17	53		fs					"
22			36			fs; intrbded c ms; bioturb.					"
			79			vfs; black in colour					solid
		67.89	24			ssh; black					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 10

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 21					
(22) ↑	67.09		25			vfs ; S/S's					solid
18			130			fs ; interbded ē ms ; S/S's					"
							221/67.36				305/311 (+6)
			55			ms ; slightly biaturb ; x-bded					solid
				82		Box 22					
			27			ms ; slightly x-bded					"
↓			0			ssh ; dark grey to black in colour					"
			64			ms ; x-bded					"
							226/68.88				152/154 (+2)
19 ↓			22			fs, interbded ē ms					"
(21) ↑		72.06	86		↓	cs ; x-bded					"

7205 417

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 8801

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 23					
	72.06		51			cs					solid
							231/70.41				153/159 (+6)
			65	2.95		cs; clay layers to 0.5 cm; clay is highly unconsolidated					partly broken
21			93			cs.					solid.
						Box 24					"
							236/71.93				152/158 (+6)
			156			cs; calc-filled fracs					"
				1.97			241/73.46				155/156 (+3)
19		76.12	41			cs, as above.					"
						Box 25					

76.1 40.6

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD8801

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	76.12		1.16			cs; clay-filled frac. parallel to core direction ~28cm from bottom									solid
											246/24.98				152/154 (+5)
				2.13											
17			89			cs; x-bded									"
						Box 26									
			8			cs									solid
↓↑															
			42			fs, interbded ± vfs									"
19			18			vfs.									"
				0.50							251/76.50				152/154 (+5)
↓↑			32			vfs, as above									"
(26)		80.24	107			sh, grdg to ssh; fracs parallel to core direction; slight rash pf									partly brkn; V. brkn @ bottom

923 412

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 13

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 27									
	80.24	80.52	28			crsh sl carb									most solid
											256/7803				153/167 (+14)
			~44			sh carb i/p									badly brkn bot 7cm
8095 / 8096 -1 TO HERE			10			Do not include in tally drill cutting/cavings mix sh and drilling mud									topsolid
	80.96		4		DOES NOT INCLUDE CUTTINGS CVGS & DRILLING MUD.	CA									partly brkn
26	↑		2			Drill cutting/caving a/a									
			6			sh a/a									Bot 2cm badly broken
			5			Drillcutting/caving a/a									
					#3196										
			2			CA									mostly solid
		81.10	2			CB									"

(12) - Rock

DRILL CORE LOG

14.

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 14

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	81.10		1			CC									mostly solid
			1			Drill cutting caving /a/a									
			4			DK gysh occ coal lam									mostly solid
			2			Drill cutting caving a/a									
			8			CB									partly brkn
(26)			6		#3196	CA									"
			3.			CB									"
			9			CA									badly brkn.
			1			CB									mostly solid
			2			CA									"
		81.46	2			CB									"

NOT INTALLY

DRILL CORE LOG (36)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 15

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 3							
	6.28		5			as above									very broken
			63			f's ; as above					152/153				solid.
											7.92m	-2	✓		
			133			vfs ē fs & ssh; lam'd & banded ē bioturbation (worm burrows)									solid.
								Box 4							
			13	247		as above; rusty frac. surfaces					152.[illegible]				slightly bkn.
											9.44m	-6	✓		
18			101			as above; thicker bands of crsh									slightly bkn; generally solid
(23)		9.75	32			crsh ē some vfs bands									

9.75

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	81.77		4			CC									Badly Brkn
			4			CD occ br vitreous coal (CA) stringers ⇒ 3mm grdy to csh									solid
															"
			1			CA									"
					131%										
			4			CB									"
26			5			CC, dull relatively dense occ Buds CB to 5mm										"
			3			CA									Badly Brkn
		92.04	4			CC grdy CB, dull									"

DRILL CORE LOG

(25)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 17

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 28					
	82.04		1			CA					Top11 Brkn Rest Solid
			4			CD				Part	Brkn
			15			CB overall					Badly Brkn
			2			CA					solid
			3			CB					"
26											
			1			CA					"
			16			CB					
			9		A3176	CA					
			3			csh gridy CD					
		82.45	87	↓		CB bright vitreous bands of CA to 3mm in bottom 3cm					

DRILL CORE LOG

(A-1)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	82.45		16	} 23		CB loc grdg to CC brt vitreous									Sol. J
						bands of CA to 5mm thru									
															"
			7			CA									"
			1			CB									"
			1			Csh									"
					#3196										
			3	} 6		CA									"
(26)															
			23			CA									Pulverized
			2			Drill cutting leaving:					NOT INCLUDE IN TALLY				
			2			DK sh 5mm stringer CB at Top									Badly Brkn
			3.4			CB									"
			6.7			CC									Brkn (Badly
		82.91	2.			CD									Badly Brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 19

42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	82.91		3			csh overall					pulver - bdly brkn
			3.5			mc					
			A3			cc					Broken
	83.32		167			ssh occ coal lam to 2mm					"
						abnt carb mat thru.					
26		83.44	A5			csh grdg to CD abnt brvitreous					"
						coal lam to 1mm thru.					
			4			cc					mostly soil
					3196						
			11			CB					mostly soil
			5			cc					"
		83.66	2			cm					"
							265/8047				123/155 (+33)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 8011

PAGE No. 20

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	93.66		2			CB									Badly Brkn
			1			CC									"
			3			CD									"
			8			CB abnt white powder (oxide-calcite??) thru									"
(26)					#3196										
			4			CC white powder thru. a/a									"
			2			CB									"
			2			csh									"
			6			CC									mostly solid
			1			CA									"
		84.17	~~23~~ 22			CB rel dull br vitr stringer to 2mm com thru, grdg to CC									mostly solid

DRILL CORE LOG

(51)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 21

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	84.17		2			CD									mostly soil
			2			CB									"
			1			CSh									"
			3			CC									"
			5		#3196	CB									"
			5			CC white powder prevelant									"
						thro									
(26)															
						Box 29									
			3			CC									partly broken
			2			CB									"
			1			CD									"
		84.47	6			CB white deposit (calcite?)									"
						prevelant thro									

8

DRILL CORE LOG

(39)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 22

66

after rinse (25)

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				↑ 43											
	84.47		37	↓		CB									partly brkn
			2			CA									mostly solid
			4			CB									"
			7			CA									"
			8			CC									"
			6		#3196	CB									"
(26)			2			CA									"
			4			CB									partly brkn
			2			CC									"
			3			csh									"
			15			CB occ br vitroues CA bands to 5mm									"
		85.32	1			CC									"

DRILL CORE LOG

85

Quintette Coal Limited

HOLE No. QHD 8801

PAGE No. 23

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											271/82.60				183/166 (-17)
	85.32		~~6~~ 5			CD oce Br. Vitreous coal stringers									partly brkn
						1, 3									
			~~6~~ 6	16		CB									"
			10			CB									"
			1			CA									"
					#3196										
(26)			4	11		CB									"
			7			CB									mostly solid
			3			CA									"
			3			CD									"
			5			CA									"
		85.77	1			csh									"

DRILL CORE LOG

45

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 24

48

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	85.77		2			CA									mostly solid
			3			CC									"
			2			CB									"
			9			CA									"
			3		#3196	CB									"
26			.15	↓		CA									partly brkn
			9			Drill cutting/cavings & drilling mud mixed.									
				} .17											
		86.13	3			CA									pulverized.
		86.16	3			MC									

DO NOT INCLUDE IN TALLY

DRILL CORE LOG

36

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 25

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 30									
	86.16		6			crsh abnt carb pl rmns thru									solid
			10			ssh carb									"
			34			vfs intbd ssh abnt carb matt thru									"
			7			crsh loc sdy carb									"
(26)				16	≤3197						276'/84.12				152/138 (-14)
			3			crsh a/a									solid
			3			drill cutting/drill mud									
			3			dk gy sH, brkn									Badly Brkn.
		86.82	3			CB overall									pulverized

NOT IN TALLY

66

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 26

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	86.82		16			DK grish occ coal lam									T
		87.07	(9)		#3197	(MB)									& Pulverized.
			(9)			(MC)									↓
			8			CA									
			(7)			Drillmud / coal / sh (cavings?)									
			4			csh									solid
			4.5			CB									"
					#3198										
(26)			2			CA									"
															"
			1			DK sh									mostly solid
			6.7			mixed coal cutting / caving a/a									
			3			CA									"
		87.48	9			CB									"

DONOT INCLUDE IN TALLY

DRILL CORE LOG

57 (41)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 27

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	47.48		1			CC									mostly solid
			12			CA									"
			~~11~~			CB									partly brkn
			3			CC									"
			8			CA									"
26															
			4			CB									"
			8			CA									mostly solid
			6			CB									"
			2			CA									badly brkn
					113/78										
			9			CB overall									"
		98.35	23			mc									
											281/85.65				155/121 (-32)

(84)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 28

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						(pred coal) 6cm @ top of interval but not									
						Box 31									
					#3198										
	88.35		10			CB overall (mixed - CC & CA)					NOT INCLUDE IN TALLY				pulverized
		88.64	19			MC									
			17			mixed pulverized coal / drill cuttings cavings Top 6cm predominately coal Bottom 11cm drill mud / cavings & cutting									pulverized
			14			ssh carb pl rmns thru grdg vfs									solid
26		89.20	42			crsh carb pl rmns thru									broken bottom solid at top
			7			ms carb pl rmns thru									badly broken
			10			cuttings/cavings/drilling mud					NOT IN TALLY				
		89.30	3			sh carb									~~50~~ "
			6			mixed cutting cavings a/a									

(66)-rock

(29)-coal

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	8930		1			CB									pulverized
			(29)			(MR)									
			17			ssh carb pl rmns thru									solid
			2			CA									"
			7			vfs carb pl rmns thru									
(26)															
											286/88.17				152/103 (-49)
			3			ssh bioturb									mostly solid
			5			crsh carb i/p									"
			17			dk gy sh occ coal lam to 2mm									"
			5			drill mud cavity/cutting									NOT INCLUDE IN TALLY
			17			sh occ coal lam carb									"
		90.31	3			csh									Broken

DRILL CORE LOG (101)

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 3d

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	90.31		7			dk gy sh loc silty occ coal lam					Broken
			6			crsh sdy i/p carb thru					"
(26)			1			CO					Badly Broken
						Box 32					
*			20			ssh carb pl rmns thru loc grdg vfs					solid
			30			vfs carb pl rms thru					" "
			26			ssh a/a					
24			11			crsh carb					
				60			291/88.90				153/148 (5)
		91.83	49			crsh a/a					
			(152)								

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 31

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	91.93		18			vfs ; bioturb carb pl rmns thru. intbd ssh									solid
			44			crsh a/a									"
			8			ssh a/a									"
						Box 33									
24			23			vfs ssh lam thru carb pl rmns thru									solid
			15			ssh bioturb carb pl rms thru									"
			4			crsh carb									"
											296/90.22				152/161 (+9)
		93.50	55			sh carb i/p loc slty									Broken.
	93.50		9		#3199	CB (overall)									Badly Brkn
		93.76	17			CA									Solid

(167) ROCK

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 32

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				} 59	#3199										
(24)	93.76		42			CA									Bdly Brkn
		94.20	(2)			(MC)									to Pulverized
42						NOT IN THE TALLY									
			14			Drill mud cutting cavings									
						Box 34.									
			3			Drill mud calc.									
			3			crsh carb pl rmns thru									solid
			14			SSh grdg vfs abnt carb pl rmns thru									1.
											301'/91.74				153/140 (12)
			4			dk gy sh (maybe cavings)									badly broken to Pulverized
(31)			12			vfs abnt carb pl rmns thru.									

9/53

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 33

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
31			58			fs intbd vfs & ssh abnt carb									sol, J
						pl rmnr thru									
↓			9			vfs ~~carb~~ pl rmns thru					NOT INITIALLY				"
↑												maybe fault between these units			
			8			Drill mud / caving									
42			33			fs a/a									"
			5			vfs abnt carb pl rmns thru.									"
						grdg rsh									
			3			crsh inc carb occ coal lam									"
						loc sdy									
											36/93.27.				153/124 (-29)
			7			crsh a/a									"
			6			sh slty i/p carb									

95.74

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 8811

PAGE No. 34

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			3			CC									Part ly brkn
			1			DK sh									"
			9			DK gy sh									"
(42)															
			2			DK sH									"
			2			csh									"
			2			CD									
			2	↓		Csh									"

4595

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88011

PAGE No. 35

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 35							
(42)				↑ 7											broken
			5	↓		csh									
			43			vfs									partly broken
			32			fs; fracs parallel to core direction									"
23			28			vfs; slight carb pf									solid
			12			dksh									"
											311/94.79				152/159 (+2)
			39			vfs; slight carb pf									"
			34			fs									"
								Box 36							
(20)			74	↓		dkgrsh; abund carb pf									
											316/96.32				153/149 (-6)

9062

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88011

PAGE No. 36

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				↑135											
20			61	↓		dkgrsh, as above; clay-filled frac									partly brkn
			71			ssh, interbded ± vfs									
						Box 37									
			38			grsh									solid
											321/9784				152/170 (+18)
						End of Hole.									

DRILL CORE LOG (100.32)

Quintette Coal Limited

HOLE No. QHD88011

PAGE No. 37 of 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								QHD88012							
	0.00	51.79				OB.									
								Box 1							
	51.79		41			crystalline limestone glacial component									solid
			97			brown to grey mud									partly broken; soft
			(30)			float sample									
(10)											162/50.90				152/168 (+16)
			38			mud, as above									" "
				92				Box 2							
			54			grey-brown mud									"
			(10)			MR									
											171/52.12				122/92 (-30)
			147			mud, as above									
		56.05	9			sh									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88012

PAGE No. 1 of 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 3									
											176/53.64				152/156 (+4)
18	56.05		150			ssh, interbded ē vfs; slight carb pf									partly brkn.
											181/55.17				153/158 (-3)
			47			ssh									"
				342		Box 4									
			1140			ssh, interbded ē vfs									"
											186/56.69				152/161 (+9)
			31			ssh, interbded ē vfs, as above									"
			18			fs									solid
			31			vfs									
(19)						Box 5									
		60.66	70			ssh; slight carb pf									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	60.66		(1)			MR									
											191/58.92				153/150 (-3)
19.			123			ssh, as above									partly broken
			11			sh									"
								Box 6.							
			21			vfs									
											196/59.74				152/155 (+3)
18			57			ssh, grdg to vfs									solid
			59			fs									"
				125							201/61.26				152/116 (-36)
↓		64.04	66			fs; slight carb pf									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88012

PAGE No. 3

88·12·09

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑						Box 7									
25	64.04		52			sh: carb pl rmns thru, silty i/p									Solid
			55			dkgysh: abnt carb pl rmns									Bottom 35 cm ptly bkn. otherwise solid
may be Part of G1															
2D		65.20	9		≤3184	csh = (coal mixed w/ sh ctgs, wet; coal grade undistinguishable being wet & homogenized w/ cuttings)									Pulverized
											206/62-79				153/182 (+29)
G1	65.20		6	15		CD									Badly Bkn
3rd Row Begins		65.35	9			CD (overall) mixed CC to csh									Pulverized.
Coal 36	65.35		35			MC									
			7			CD									Bkn.
					≤3185										
			7			CC w/ 3mm bands of CA									"
			1			CA									Solid
		65.88	3			CC									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88012

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	65.88		1			CA					Solid.
					#3185						
			8			CC					"
		66.06	9			CB grdg to csh					BKN.
	66.06		11			dk sh					
			16		#3186	fs, abnt carb pl mat thru, bioturb.					
(25)											
			1			csh.					
						Box 8					"
	66.34		5			CB					Badly BKN.
			5			CA.					Mostly Solid.
			27		#3187	CB (overall) CA lin grdg to CC					Pulverized.
		66.73	(2)			MC					
	66.73	66.75	2			sh					Ptly BKN
	66.75	66.78	3			CA					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	66.78		1			CC									PTLY BKN
			1			CA									"
			(16)			MC									
											211/64.31				152/123 (29)
			16.		#3187	CB.									BDLY BKN.
(25)			3			CA.									PTLY BKN
			3			csh									"
			4			CA									"
		67.44	22			CB (overall) CA grdg to CC									PULVERIZED
	67.44	68.00	56 SOLID!		#3188	v/s. carb pl rmns. coal lam to 3mm									SOLID
															"
															"
83.	68.00	68.28	32.28		#3189	CB (overall) CA grdg to CC									BDLY BKN TO PULVERIZED.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	68.28		3			CA					BKN.
			1			CC					"
			5			CA.					"
				16		Box 9					
			13 11.			CA					BDLY BKN.
(25)			18 15			CB (overall) CA grdg to CC					Pulverized.
					#3189		216/65.84				153/177 (+24)
			3			CA					BDLY BKN.
			4			CC					"
			8			CB (overall)					Pulverized
			3			CC					BADLY BKN.
		68.85	4			csh.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 7

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	68.85		10			CB									PULVERIZED.
			4			CA									BDLY BKN.
			2			CC									"
			5		3189	csh.									"
25			5			CB.									"
			1			csh.									"
	white	69.25	13	19		CC (overall)									PULVERIZED.
	69.25		6			CC. occ bands of csh.									"
			(b)			MR									
			3			dksh									BDLY BKN.
		69.89	49			dk gy sh. coal lam to 5mm, about carb pl rmns thru									SOLID.
28															
		70.13	24			vfs. about carb pl rmns.									"

END OF ROW

25 COAL TO 63 FLOOR

changes made sampling

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 8

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											221'/67.36m				152/146 (-6)
28	70.13	70.48	.29			fs:									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 9

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 10							
(21)	70.44		130			fs; fracs subparallel to core direction									partly brkn
				165							226/68.88				304/305 (+1)
			35			fs, as above									mostly solid
			14			csh									badly brkn
			(7)			MR									
			20			vfs									mostly solid
								Box 11							
			47		Found ? X	sh, poorly consolidated; abund carb pf, s/s thru									badly brkn
			(6)		MR.	possible fault ?									
			26			fs									solid
				103							231/70.41				153/141 (+11)
			77			fs; slightly x-bded									brkn @ bottom
			(6)			MR									
22		74.66	56			vfs, interbded c fs; S/S's; 4cm of ms									partly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 10

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 12							
											236/71.93				152/133 (-19)
	74.66		11			ms; S/S's ± calc-filled fracs									solid
			18			fs									"
			24			vfs									"
34			113			fs; S/S's; calc-filled fracs									"
				148							241/73.46				153/166 (+13)
			35			fs, as above									"
								Box 13							
			70			vfs									solid
36		77.81	44			fs; S/S's ± calc-filled fracs									"
											246/74.98				152/149 (-3)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88012

PAGE No. 11

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
36	77.81		83	127		fs, as above, c 3cm wide cs lenses 15cm from bottom									partly bckn
						Box 14									
31			80			fs; calc-filled fracs; S/S's									solid
				115							251/76.50				152/163 (+11)
			35			fs;									"
			83			ms; calc filled fracs to 2mm.; S/S's									"
						Box 15									
			16	169		ms; calc-filled fracs to 4mm									solid
											256/78.03				153/134 (-19)
			70			ms, as above									basically solid
27		81.93	45			fs, interbded c vfs; carb. lam to 1mm									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88012

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	81.93		29			ms; interbded ē fs; calc-filled fracs									brbu @ bottom
			(4)			MR									
											261/29.55				152/144 (8)
			12			ms									solid
			23			fs									"
								Box 16							
			19			ms									solid
			69			fs, interbded ē ms									"
			29			ms									"
25			6			fs									"
				86							266/81.08				153/158 (+5)
↓		8464	80			fs, interbded ē ms; x-bded									"
								Box 17							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑											
26	84.64		72			fs; calc-filled fracs					solid
							271/82.60				152/159 (+5)
			13			ms, interbided ē fs					"
			13			vfs					"
			23			ms.					"
↓											
			72			fs, interbided ē ms; slightly bioturb					"
						Box 18					
25			36			vfs					"
							276/84.12				152/157 (+5)
			52			ifs interbded ē ms.					solid
			76			vfs					"
		88.47	21	↓		fs					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88012

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							281/85.65				153/149 (-4)
(25)	88.47		14	35		fs, grdg to ms.					solid.
* Missing Marker ?						Box 19					
88.			215 210	298		ms, grdg to cs; s/s's; calc-filled fracs.					"
						Box 20					
			88			ms; x-bded; calc-filled fracs					solid
							291/88.7				305/315 (+10)
26.		92.73	114			fs, interbided c vfs					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD88012

PAGE No. 15

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 21									
	92.73		41			sh: s/s, calc often found along s/s									SOLID.
				111							296'/90.72m				152/155 (+3)
			70.			sh: carb pl rmns									"
		94.11	27			dk gy sh:									"
(27)			37		X Fault 2	sh extremely sheared, calc dep on shear surf. possible fault zone									BDLY BKN.
				78							301'/91.74m				152/154 (-18)
						Box 22									
		94.89	41.			sh: a/a									BDLY BKN.
	94.89.		2		#3190	CA									BDLY BKN
		94.94	3			CC									"

DRILL CORE LOG ⑤

Quintette Coal Limited

91.74 15

HOLE No. QD 88012

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	94.94		14			CB (overall) grdg from CA to CC									Pulverized.
				19											
			5			CB									Mostly Solid.
			3			csh.									Bkn.
			6			CA.									"
(27)			7			CB.									"
			10.			CA.									"
					#3190										
			15			CB.									Pulverized.
			31.			CA									"
			16			CB.									"
											306'/93.27				153/153
			3			CC.									Bkn.
		96.10	6			CA									"

(116)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 17

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	96.10		7			CB.									BKN.
			3			CC									PULVERIZED
			~~13~~ 11	13		CA									"
			2			CA									BKN.
(27)			1			CC									"
			~~8~~ 4	16		CB									"
							Box 23								
			~~13~~ 12		#3190	CB									PTLY BKN.
			4			CA.									"
			4			CC									"
			~~11~~ 18			CA.									"
		96.72	4			CB									SOLID.
			64												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	96.72		2			dksh									Solid
			5			CA									"
					#3190										
			5			cc									"
			3			CA									"
		96.93	6			cc									"
(27)			9			dksgysh									"
End of Run															
			4			CA									Solid
51. to															
MKR.			7			CC									"
			5		#3191	csh									"
			2			CA									"
			9			csh									"
		94.36	7			CB									Bdy BKN.

64

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	97.36		8			CA - white powdry substance on surface.					Bdy/ Bkn.
			9	16		CB					"
							511'/94.79m				152/159 (+5)
			7			CB.					Bkn.
			4		#3191	CC					Sec. D
(27)			2			CA					"
			7			CC					"
			3			csh.					-
			15			CD.					"
			3		#3192	CC					"
		98.04	10			CB					-
			68								

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 20

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	98.04		1f			CA									Solid.
			4			CB									"
			1			CC									"
			1			CA									"
							Box 24								
(27)			5			CB.									Solid
			5		#3192	CA									"
			2			csh.									"
			6			CB									"
			6			CA.									"
			6			CB.									Bdl/ Bkn.
				11											
		98.59	5			CB									Solid

(55)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 21

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	98.59		2			CA									Solid
			1			CC									"
			2			CA									"
			11.	19		CB									"
			~~9~~ 8			CB.									Bdly Bkn to pulverized
(27)			~~10~~ 7			CA									"
			5 ~~7~~.	31	#3192	CA.									"
			19			CA.									Ptly Bkn.
			3			CB									Bdly Bkn.
				6							316'/96.32 m				155/170 (+17)
			3			CB									Solid.
		99.28	8			CA.									"

End of Row

.29 to MKR.

(69)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 22

7

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	99.28		1			CD									Solid.
			2			CA									"
			10			CB									"
			7			CA.									"
					#3192										
			3			CB									"
			12			CA									"
			1			CC									"
		99.66	2			CA.									"
	99.66		23			dk gy/sh. abnt carb pl rmns.									"
27			33			fs: carb pl mod thru									"
					#3193										
						Box 25									
		100.36	14			vfs									"

(38)-coal
40-Rock

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QD 88012

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	100.36	100.54	17.18			dk gysh: coal 1cm to 2mm, s/s w/ calc dep on s/s surf.					Solid
			(8)			(MR)					
					#3193		321'/97.84m				152/136 (-16)
	100.62		3			dkgysh: coal 1cm to 1cm					Mostly Solid
	1		3			CA.					Bkn.
		100.71	3			dkgysh					Mostly Solid.
(27)		100.75	4			CA.					Bkn.
		100.96	21			dk gysh, occ coal 1cm to 5mm					Mostly Solid
	100.96		3			CB.					Solid.
			2		#3194	CA.					"
			4			CB					
		101.09	4			CA.					

(51) Rock
(13) Coal.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 24

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	101.09		3.			CB.									SOLID.
			8			CA									"
				11											
			3			CA									"
			3			CC									"
			4			CA									"
(27)			5.		# 3194	CB.									"
			5			CA.									"
			8.			CB									"
			4			CA.									"
			2			CB									"
			4			CA									"
END of Row				8											
		101.62	4			CA									BDLY BKN.

DRILL CORE LOG (53)

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			11			cb.									Bdly Bkn.
(27)			6		#3194	cc w/ bands of CA 6 3mm.									"
			14			cb (overall) CA grdg to cc.									Pulverized.
↓		102.14	(24)			(mc)									
											326'/99.36m.				152/131 (-21)
			18			crsh. : carb pl runs thru.									Solid.
22			9			fs.									"
				61		Box 26									
		102.96	54/52			fs. : intbdd vfs.									Solid.
↓			16			dkgy/sh : coal 1cm to 2mm.									Bkn.
			51.			vfs. intbdd fs., occ coal lam to 1mm.									
26.		104.33	79/10	↓		fs: xbdd., occ calc fld fracs.					331'/100.89				153/192 (+40)
						Box 27									

Coal (31) (216) Rock

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 26

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	104.33		92.90	193		fs: calc fld fracs, carb lam thin.									Solid.
26											336'/102.41m.				152/92 (-60)
			33			fs: a/a.									PTL/BKN.
27.			60/62			grsh, carb pl lmt, occ s/s, occ calc fld fracs.									Solid.
						Box 28.									
25.			35'			ufs: intbdd fs, carb lam to 1 cm									Solid
			19	72		sh:									"
											341'/103.94m				153/151 (-2)
		107.25	53.			sh:									"
	107.25		1		13195	CA.									"
		107.29	3			CB.									PTL/BKN.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012

PAGE No. 27

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	107.29		9			CA									Ptly Bkn.
			4			CB.									"
			8	25	#385	CA.									"
END OF TRIP			19.117			CA.									Mostly Solid.
24			1			CD									"
(25)		107.83	7.15			CA.									"
			25			fs., carb lam thru									Solid
			5.	31		dkgysh.									"
						Box 29									
			5			dkgysh.; carb pl rmns.									Bkn.
											346'/105.46m.				152/149 (-3)
		108.39	21.			dkgysh a/a.									Mstly Solid.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. Qtd 88012 13.

PAGE No. 28

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	108.39		16			vfs.					Sand.
			116	140		fs: carb lam thin., occ calc fld fracs.					"
(25)							351'/106.98 m.				15/15 (+1)
			24			fs: intbld vfs					"
		110.13.	18.			dkgysh. s/s., carb pl mat thin.					Poly Brk'n.
							353'/107.59 m.				6/6 (-19)
						END OF HOLE					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD 88012 14.

PAGE No. 29 of 29

QPD88001 Perry Creek

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 1									
	0.00		2.45			OVERBURDEN. DENSITY LOG 2.4 t/m³					3.0m				
18			1.52			fs ; sandy shale laminations ; weathered									broken at top
											4.87m				
			.5			as above									very broken
			.72	2.86.		as above									slightly broken
						Box 2									
			1.07			as above ; occasional dkgrish bands - some low angle crossbeds									broken at base
			(.15)			MR					153/13				
											6.40m	-19 / 15 / -4 ✓			
22		6.28	.82			as above ; crossbedded ; some coal frag at top ; weathering along fracture surfaces - some weathered envelope along fracs									solid
				1.50											

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 1

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 3							
	6.28		5			as above									very broken
			63			f's ; as above					152/153				solid.
											7.92m	-2	✓		
			133			vfs ē fs & ssh; lam'd & banded ē bioturbation (worm burrows)									solid.
								Box 4							
			13	247		as above; rusty frac. surfaces					152.[illegible]				slightly bkn.
											9.44m	-6	✓		
18			101			as above; thicker bands of crsh									slightly bkn; generally solid
(23)		9.75	32			crsh ē some vfs bands									

9.75

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							133/153	-20			
							36'/10.97m				
	9.75		44	76		as above; minm slicks alaig coally lam					slightly brkn
						Box 5					
		10.36	17			dkgrsh; rusty frac. surfaces					brkn
	10.36		16		NO	MC.					
		1056	4		SAMPLE	cA; poss pyrite					v. brkn to pulverized.
	10.56	11.20	64			ssh; bands of vfs & crsh					solid
	11.20		21			MR	153 152	-24			
23							41ft (12.5am.				
			7			as above;					solid
			107			ash & some vfs lam; some coal lam.					solid
						Box 6					
				145							
			38			as above	153, 152				solid
							46ft = 14.02m				
		14.42	149			sh; ssh; coal lams					slightly brken in places; basically sol
		14.45	3			MR					

14.45

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											152				
											51ft = 15.54m				
	14.45		7			crsh as above									solid
				70				Box 7							
23			63			as above; some pyr plant frag (pf)									sol; slightly brkn.
			(8)			MAR					56ft = 17.07m		-83		
			141			as above; some slicks along frac. surfaces									"
											MARKER SPOT				
								Box 8							
			88			as above									"
				390							61ft/18.59m				
			110			as above; rusty frac. surfaces									"
								Box 9.							
			51			crsh/ssh coarsening down; gradational above & below									slightly brkn
			(21)			MAR					66ft/20.12m				
	19.34		141			vfs; bedding not distinct									solid
								Box 10							
28	20.75	22.34	159			fs & vfs bands & lam.					71ft/21.64m				solid
				180											
											76ft/23.16m				
		22.34													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec., r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	22.34		21			as above; 4cm weathered envelope along frac.									solid
			8			sandy sh									solid
(28)			9			fs; lam'd ± sandy sh									solid
				147		Box 11									
			107			as above					153 145				"
											81ft/24.69m				
			31			as above									"
			58			ms ± occas fs & sandy sh lam; occas. bioturbation									"
						Box 12									
			67	144		ms; occas sandy sh lam; occas bioturb.					152	156			"
(21)											86ft/26.21m				
			10			ms ± thin (0.5 cm) coally (CB) stringers									solid
			9			ms ± abundant rip-up clasts (fs/sandy sh)									"
		25.59	5			fs ± sandy sh lam.									"

25.59

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 5

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
21	25.59		106			ms; high angle x-bedding; fs lam									solid
				126											
								Box 13							
			20			as above; coarsening down					153 / 15[illegible]		[illegible]		"
			(3)			MR					91ft/27.74m				
			35			cs c̄ ms interbeds									"
			122			very cs grading to cgl below; occas dkgrsh lam.					15[illegible]	157	[illegible]		"
											96ft/29.26m				
				144											
			8			as above									"
								Box 14							
			14			as above									solid
19	27.61		72			cgl; pebbles to 1cm ø; high angle frac; rare dkgrsh lam.									"
			46			very cs; rare dkgrsh lam.					152 / [illegible]		[illegible]		"
			(13)			MR					101ft/30.78m				
		30.67	69	151		as above									"

30.67

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 15							
	30.67														
			82			very cs ± coal lam.					153/157				solid
			(3)			MR					106ft/32.31m				
			120			very cs as above									"
(19)								Box 16							
			33			as above; occas pebbles					152 · 155				"
				287							111ft/33.83m				
			21			as above									"
			113			very cs grading to cgl; pebbles to .5cm throuout									"
			24			cgl					153/157				"
											116ft/35.36m				
			7	170		cgl; as above									
								Box 17							
23		36.09	139			cgl ± very cs bands up to 40cm throughout									"
		36.09													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	36.09		(7)			MR	152/—		3		
							121ft/36.88m				
			71			cgl; occas. carbonized plant remains					solid
						Box 18					
18			82	304		cgl; pf from 44-45cm	152/152		1		"
							126ft/38.40m				
			116			cgl; 15cm very vcs band at base					"
						Box 19					
			35			cgl; as above	153/151		2		"
			(3)			MR	131ft/39.93m				
			155			cgl; rare coal stringers	32/151		2		solid pf
				164			136ft/41.45m				
			9			as above					"
			11			very cs					"
				95		Box 20					
			84			very cs; occas. cgl bands up to 12cm; pf throughout & occas. coal lam.					semi-bckn
(19)			(14)			MR					
		42.28	32			cgl; occas coal lam					solid

4226

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD8001

PAGE No. 8

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	42.28		4	12		very cs c̄ coal lam					141ft/42.98m				solid
			8			as above									"
19			61	188		cgl, coarsening down c̄ pebbles up to 2cm									"
						Box 21									
			84			cgl c̄ very cs horizons up to 15cm wide c̄ floating pebbles up to 15cm throughout; occas dkgrsh lam.					146ft/44.50m				"
			43			cgl; as above									
			87	118		very cs c̄ cgl horizons up to 15cm; floating (fltg) pebbles up to 10cm throughout.									solid
(13)						Box 22									
			24			as above					151ft/46.02m				"
		45.46	7			as above									"

45.46

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 9

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	45.46		95			cgl c̄ very cs horizons up to 10cm. c̄ Cht pebbles up to 1cm throughout									solid.
			31			very cs									solid
13			14			ms c̄ dkgrsh lam. throughout									"
			5			cs c̄ pf throughout					153/147		[illegible]		
						MR					156'/47.55				
			34	43		as above									"
								Box 23							
			9			as above, c̄ dkgrsh clasts throughout									"
			3			dkgrsh									semi-broken
			(13)			MR									
			24			ms, coarsening down; high angle frac's									solid
			35			cs, c̄ pf throughout									"
		48.51	42			ms, c̄ fs lam & dkgrsh lam									"
											152/147		[illegible]		
											161 ft/49.07				

48.51

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 10

Growth [illegible] CGL
~ 49.6 m

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			-												
	48.51	49.10	59			very cs c̄ chert pebbles up to 1cm through-out (thur)									solid.
(13)															
			17			cgl									solid
		49.50	(23)			MR									
	49.50		11			csh c̄ abundant pyrite throughout									semi-brkn
								Box 24							
			15	112		as above					122/102		[illegible]		"
											165'/50.29				
25		50.62	86			csh, as above; occas vit. coal stringers; fnly dism pyr thur.									semi-solid
	50.62	50.71	9			MR (csh)									
			58			crsh; root remains thur									solid
											153/144		[illegible]		
				147							170'/51.82m				
			38			as above									"
								Box 25							
		52.18	51			crsh; as above; pyr + calc. along high angle fracs									"
			(18)			MR									
		52.71	35			csh c̄ vit. stringers thur; minor pyrite									solid to semi-solid.

52.71

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	52.71		27			crsh. ā preserved root matter thur; pyr. replaces root material			167/151		solid - 16
							175.5'/53.49m				
			14			sandy sh; preserved pf thur					solid
			72			vfs, ā sandy sh lam.; bioturb					solid
						Box 26					
			31			vfs; minor pyr; bioturb.					"
(25)				136							
			12			vfs, chaotically frac. ā calcite infill; bioturb					"
			21			vfs ā pf thur; minor pyr; bioturb					solid
			(22)			AAR					
							181'/55.17m				168/150 (18)
			87			vfs; bioturb thur; occas. pf					solid
			54			vfs; pf thur					"
				223		Box 27					
		56.26	15			as above					"
							186'/56.69m				152/156 (14)

56.26

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 12

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	56.26		67			vfs, ē crsh lam									solid
			86			crsh grading to vfs (bioturbated) below									solid
											191'/58.22m				153/153 (0)
			44			vfs grading to crsh; occas pf; minor finely disseni pyr. thur									solid
				80		Box 28									
			36			vfs grading to crsh ē occas pf, as above									"
(25)															
			26			crsh; pf thur									"
			10			vfs grading to crsh; occas pf									solid
	58.95		39			crsh; pf thur									"
											59.74m/196'				152/155 (+3)
				130											
			87			as above									solid
						Box 29									
↓		60.25	4			as above									"

60.25

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDD8001

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	60.25		5			dkgrsh ; abundant vit ; calcite fills microfracs					solid
			50			crsh ; pf thur					semi-brkn
		60.99	(14)			M.S.	201'/61.26m				152/146 (-6)
			38			as above					solid
			2			csh					solid
			17			crsh ; pf thur					"
(26)		61.65	(14)			M.S.					
	61.65	61.85	20			dkgrsh					semi-brkn
	61.85		6			csh ; interlam'd vit & csh layers up to 0.5cm wide					brkn
	61.91	61.96	5			dkgrsh ; abund vit thur (15-20%)					solid
	61.96	61.98	2			2ash					solid

61.98

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	61.98		(3)			MK									
		62.05	4			vfs ē csh. lam's & minor vit. thur									solid
26	62.06	62.10	5		3001	CC									"
	62.10	62.17	7			dkgrsh ē coal lam thur									"
	62.17		13			CB									semi-broken
			9			CA									brkn to pulver'd
				30		Box 30									
			24 21		3002	CA									pulverized (overcor.?)
											206'/62.79m				153/150 (-3)
		62.65	5			CC									"
			140	159		dkgrsh ē plant & thur grading to crsh; abundant pyr along thin coal horizons (lamin)									solid
(23)															
											211'/64.31m				152/140 (-12)
		64.14	9			dkgrsh, as above									"

64.14

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QED0001

PAGE No. 15

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 31							
	64.14		10			dkgrsh ± minor vit & pyr thur									solid
		64.32	(8)			MR									
	64.32		4		NO	CB									broken
		64.64	(28)		SAMPLE	MC									
	64.64		4			csh; abundant vit thur (up to 30%)									solid
23			17			dkgrsh; bioturb at base									solid
		64.87	(2)			MR									
	64.87		24		3003	CB									semi-brkn
		65.32	(21)			MC									
	65.32		13			dkgrsh; vit. band @ 4.8cm ± slickensides									solid
			25			vfs./sandy sh; bioturb; pf thur									solid
				35							216'/65.84m				153/106 (-47)
			10			as above									"
		65.84	(4)			MR									
	65.84	66.08	(24)			MC									
		66.24	16			CD; 50-60% vit (BRIGHT VITREOUS BANDS)									broken
		66.43	19			csh; 10-15 % vit " "									semi-brkn
		66.53	(10)			MR									

66.53

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	66.53		32			crsh. to sandy sh. lam. & pf. thur.					solid
			6			(ssh) sandy sh.; occas. pf, grades to vfs					"
						Box 32					
			32			vfs grading to ssh; occas pf. thur; x-bedded					
							221'/67.36m				152/115 (-37)
			148			vfs; lams of crsh.; pf thur; x-bd; occas					solid
23				270		bioturb; minor coal lam (~1mm)					
							226'/68.88m				152/148 # (-4)
			24			as above					"
						Box 33					
	68.95		66			as above					solid
			6			crsh. to csh. lam.					"
		69.68	1			csh.					"

6948

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPP88001

PAGE No. 17

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	69.68		5		300'	CC									solid
			4			CD									broken
			(25)			MC									
		70.13	11			CB									solid
E4															
	70.13		3			CD									semi-broken
		70.22	6			CC									
			(3)			MC									
											231'/70.41m				153/126 (27)
(23)			10			CB									solid to semi-sol
			(15)			MC									
		70.52	2			CA									pulverized
	70.52		83			cgl; occas pf									solid
								Box 34							
				279											
		71.91	56			cgl; minor coal matter thru; pebbles up to 1cm									solid
											236'/71.93m				152/151 (1)

71.91

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 18

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	71.91	73.31	140			cgl; predominantly dkgy to black chert; pebbles to 1.5 cm.									solid
											241'/73.46m				153/140 (-13)
						Box 35									
			134			cgl, as above; contact at 26 cm shows pf; very cs bands up to 10 cm wide							(markers not 5' apart)		"
											246'/74.98m				152/134 (-18)
(23)			72	294		cgl; coarsening down generally; pebbles inc'g to 1.5 cm Ø; very cs band (49-53 cm.)									"
						Box 36.									
			88			cgl; pebbles generally not >0.5 cm									solid
											251'/76.50m				152/160 (+8)
			121			cgl; coarsening down, pebbles to 3 cm									"
						Box 37									
		77.82	36	248		cgl, as above									
											256'/78.08m				153/157 (+4)

77.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	77.82		91			cgl; as above					solid
			22			vcrs cs; fltg pebbles to 0.5cm					"
23			18			ms grading to cs; fltg pebbles to 1cm					"
			26			vcrs cs & 12cm cgl band at top					"
				149			261'/79.55m				152/157 (+5)
						Box 38					
			123			vcrs cs & several cgl horizons up to 12cm					"
			31			cgl; highly fractured; pebbles to 2.5cm; calcite fills frac's					brkn
							266'/81.03m				153/154 (+1)
(18)			32	116.		cgl, as above					"
						Box 39					
		81.78	53			cgl; pebbles to 2cm; vari. col. chert; occas cs beds up to 1cm					semi-brkn

81.78

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 8801

PAGE No. 20

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	81.78		61			v. c.s; occas. chert pebbles to 0.5cm fltg thur									(May be undermsrd) - brkn
											271'/82.60m				152/146 (-6)
			13			cgl; cht peb. to 1.5cm; fng dwn.									solid
			16			v. cs; occas. cht. peb. to 0.5cm fltg thur									"
			21	46.		cs; grdg to ms c̄ csh lam. thur									solid
18			25			cs; x-bedded									"
						Box 40									
			79	107		cs, as above; abund. cht peb. fr. 49-61 cm; peb to 1cm									solid
											276'/84.12m				152/154 (+2)
			24			cs, as above; cht peb to 1cm fr 10.5-11.5cm; occas. fs & dksh lam.									solid
20		84.21	4			cs c̄ abund. coaly lam. thur									"

84.21

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 21

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec., r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	84.21		89			cs; x-bedded					solid
						Box 41					
			33			cs; top 12 cm ē abund. pf; calcite-lined slickensides at top; x-bedded					solid
				282			281/285.65m				153/150 (-3)
			160			cs; high angle x-bds; occas. calcite-filled fracs fr 120-124 cm					solid
(20)							286/287.7m				152/160 (+8)
						Box 42					
			140			cs, as above; occas mylon shear surf. lined ē calcite ē pyr (microshears)					"
							291/288.70m				153/140 (-13)
				246							
		88.89	46			cs, as above					
						Box 143					

88.89

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPP88001

PAGE No. 22

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(20)											
	88.89		60			cs, as above					solid
			35			v. cs; occas. pf thuc; x-bd					"
			18			cs; x-bd; occas pf					"
				21			296'/90.22m				152/159 (+7)
			3			cs, as above					
27			93			v. cs becoming inc'ly coarser ↓ depth; alt'g bands of v. cs & very coarse pebbly sand					"
				99							
						Box 44					
			6			v. cs, as above					"
			46			cs; x-bd					"
							301'/91.74m				152/148 (-4)
		91.55	5			ms, fining down					

91.55

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	91.55		1			dksh ; friable									solid
			5			mud, grey ; silty									gunibo
			7			ms ; lam. ē dksh									solid
		91.82	14			cgl ; cht peb. to 2 cm.									"
	91.82		3			dksh									"
28			22			fs grdg to vfs below ; dksh. lam. thur									"
			9	} 34		grsh ; silty ē silty interbds									"
			25			grsh, as above, increasingly silty									"
			4			vfs ē grsh lam. thur									"
			8			grsh, as above									"
		93.01	48	} 52		vfs ē gish lam. thur ; bioturb ; lge. grdg to ms									"

93.01

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 24

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 45					
	93.01		4			as above					solid
							306'/93	27m			153/155 (+2)
(28)			9			grsh; silty in part; pf thur					solid
		93.36	22			dkgrsh; occas coaly strgs to 0.5cm					"
	93.36		(47)			MS (coaly)					
		93.96	13			csh; predam dkgrsh ē approx 25-30% coaly stringers (CA) thur					semi-brkn
			19			grsh; pf thuc; silty i/p					solid
			64			crsh ē thin vfs lam. thur; abund. pf thuc					"
				72			311'/94.79m				152/127 (-25)
(16)			8			crsh, as above; gdg to fs (transitional)					"
			18			fs ē ccsh lam. thuc; bioturb					"
		95.32	27			ms ē crsh lami. thuc; bioturb; occas pf					"

95.32

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QR89001

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec./ r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	95.32		8	} 35		ms, incr. abund. sh/crsh lam thur; x-bd									solid
			6			crsh ± interbd fs; pf thur									"
			5			ms; x-bd; pf thur along dk lam.									"
				} 14		Box 46									
18			9			as above									"
			75			fs ± interbd ms & crsh; bioturb; pf thur									solid
				} 200							316/96.32m				153/156 (+3)
		97.60	125			as above, fining down; incr. abund crsh									solid
						Box 47									
		97.80	20			crsh; silty; i/p									"
											321/97.84m				152/145 (-7)

97.80

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 26

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(18)	97.80	98.80	100	120		crsh, as above									solid
	98.80		4		3005	CB									brkn
			6			CA									" (badly)
			1			dkgrsh									brkn
			15			CB; minor pyr.									semi-brkn
			3			CA									slightly brkn
			4			CB									"
			(8)			MC									
		99.29	8			CA									badly brkn
		99.48	(19)			MC									
											326'/99.36 m				152/141 (-11)
	99.48		31			dkgrsh c̄ coaly stringers thur									solid
						Box 48									
28		100.80	101			crsh c̄ vfs lam thur; abund pf thur; occas coaly strg. to .25 cm									solid

G.

Missing core probably from this interval but only acoustic.

or this

100.80

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 27

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											331'/100.89m				153/132 (-21)
	100.80		108			crsh, as above									"
(28)				214				Box 49							
			5			crsh, as above; grdg to fs									"
			6			fs ē crsh lam thur grdg to ms									"
			42			ms ē crsh & fs lam thur; bioturb									solid
				118							336'/102.41m				152/161 (+9)
23			76			ms, as above									solid
			31			fs grdg to crsh below; crsh lam thur									"
			3			ms ē crsh lam thur									"
			36			crsh ē vfs interbds; bioturb									"
(22)															
											341'/103.94m				153/146 (-7)
		103.96	9			crsh, as above									solid

103.96

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 28

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 50							
	103.96		145			crsh; pf thur									solid
				214							346'/105.46m				152/154 (+2)
22			24			crsh, a above									"
			(5)			MR									
			1			CB									brkn
		105.74	3			dkgrsh									semi-brkn
	105.74		12			CB									"
			10			CA									pulverized
			(0.9)			MC									
			3			CC									solid
			13			CA									
								Box 51							
			12		3006	CB; trace pyr									semi-brkn
			36			CA									"
		106.78	9			CC									solid

106.78

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD8904

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	1				3006						
	106.78	106.92	14			CB; peacock staining					semi-solid
							351'/106.98m				152/137 (-15)
	106.92		8	42		dkgrsh ō abund. vit. strg thru (coaly)					solid
(22)			34			dkgrsh; minor vit.					solid
		107.13	39 41			dksh.; trace coaly mat					crumbly
			43			cgl; cht peb to 1cm; upper 10cm is crumbly due to chemical sol'n					solid
						Box 52					
			29 31			cgl; cht peb to 2cm					brkn
(20)				382			356'/108.51m				153/157 (+4)
			157			cgl as above; peb to 2.5cm					solid
							361'/110.03m				152/157 (+5)
		110.10	8			cgl, as above					"
		110.1									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 50

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 53							
	110.10		145 148			cgl, as above									scatt-broken
											366'/111.56m				153/156 (+3)
			54			cgl; peb to 3cm									solid
								Box 54							
				258											
			90			cgl, as above									"
20															
											371'/113.08m				152/144 (-8)
			114			cgl as above									solid
								Box 55							
			39			cgl; peb to 5cm at top; generally fining down									"
				75							376'/114.60m				152/153 (+1)
			36			cgl; peb to 1.5 cm									"
		116.11	123			as; cgl'ic 23-25 cm									solid

116.11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 31

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											381'/116.13m				153/159 (+6)
	116.11		7	27.1		v. cs, as above									solid
								Box 56							
20			141			v. cs, conglomeritic lenses									"
											386'/117.65m				152/148 (-4)
			22			cgl; peb. to 0.5 cm									"
			44			v. cs; high angle x-bds									"
			2			ms ± abund. coaly lam thru									"
(32)				3				Box 57							
			1			as above; occas finely disseim pyr.									solid
			5			cgl; peb. to 1 cm									"
		119.14	81			v. cs; cgl band @ 40-41 cm, peb to 2cm									"
											391'/119.18m				153/155 (+2)

119.14

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 32

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
32	119.14		33	114		cs, as above									solid
		119.52	5			cgl; pcb to .5 cm									"
	119.52	119.54	2			csh; minor pyr									semi-brkn
	119.54		76 78			cgl; pcb to 1cm									"
								Box 58							
															solid
			37			cgl; as above									
											396'/120.70m				152/155 (+3)
			144	282		cgl; as above									"
															"
											401'/122.22m				152/144 (-8)
															"
(26)			75			cgl, as above									
								Box 59							
		123.64	128 132			cgl; porous; groundwater has deteriorated									semi-brkn
						rubbly i/p									
											406'/123.75m				153/157 (+4)

123.64

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 33

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	123.64		66			cgl; peb. to 5 cm at top.									solid
								Box 60							
			98.90			cgl; peb. to 1 cm									semi-broken
											411'/125.27m				152/158 (+6)
			104			cgl									solid
								Box 61							
			49			cgl, as above									solid
											416'/126.80m				153/153 (0)
				659											
26			154			cgl, as above									"
											421'/128.32				152/154 (+2)
								Box 62							
		129.79	152 156			cgl, as above									semi-solid
											426/129.84m				152/156 (+4)

129.79

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDDB001

PAGE No. 34

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	129.79		44			cgl, as above									solid
								Box 63							
			113			cgl; peb to 3 cm									solid
											431'/131.37m				153/157 (+4)
				266											
			82 84			cgl; peb to 7cm									semi-solid
(26)								Box 64							
			71			cgl, as above									solid
											436'/133.89m				152/155 (+3)
			138			cgl; incl'ly coarse-grd; peb to 4cm									"
								Box 65							
			11			cgl, as above									
				456											
											441'/134.42m				153/149 (-4)
		135.92	154			cgl, as above									solid

135.92

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDS80001

PAGE No. 35

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							446'/135.94				152/154 (+2)
	135.92		43			cgl, as above					solid
						Box 66					
			110			cgl; peb to 3cm					"
							451'/137.46m				152/153 (+1)
			92			cgl; incr'ly coarse-grained; cobbles to 6cm visible					solid
(26)				154							
						Box 67					
			62			cgl. as above					solid
							456'/138.99				153/154 (+1)
			139			cgl; peb to 3cm					solid
						Box 68					
			11	378		cgl; v. cs horizon					
							461'/140.51m				152/150 (-2)
		142.05	156			cgl; v. coarse bet. 36.94; cobbles to 5cm					solid
							466'/142.04m				153/156 (+3)

142.05

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 36

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	142.05		31			cgl, grdg to v.cs; peb to 1.5 cm									solid
								Box 69							
(26)															
			41			cgl; cobbles to 5cm									solid
			87			cgl; fining down; grdg to v.cs; peb. to 2cm									solid
						fltg thur									
											471/143.56m				152/159 (+7)
						(missing rock?)									
			77	234		as above									quasi-solid
								Box 70							
		145.11	70			cgl, as above									solid
High Angle X BDD											476/145.08m				152/147 (-5)
? 30	±4/5°		55			cgl, coarsening down; coaly material at bottom 10 cm									"
		145.70	41			cs; pf & coaly matter thur									solid
(31)	145.70		5		3007	CA									brkn
		145.94	(19)			(MC)									

145.94

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	145.94		30			CB									semi-brkn
			6			CA									solid
			17			CB									"
			11			CA									brkn
			(10)			MC									
											481/146.6	m			152/128 (-25)
(31)								Box 71							
			72		3007	CA									partly brkn
			7			CB									semi-brkn
			81			CA									partly brkn
				107							486/148.13	m			152/160 (+8)
			26			CA									brkn
			12			CC									"
			(10)			MC									
		148.85	9			CB									solid

148.85

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPP 88001

PAGE No. 58

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 72							
	148.85	148.97	12			dkgrsh									brkn.
	148.97		6			CA									pulverized
			10		3008	CC									partly brkn
			(2)			MC									
		149.18	3			CC									pulverized
	149.18		3			dkgrsh									brkn to pulverized
			55 52			crsh; silty, pf thuc; occas vfs beds									semi-solid
											491'/149.66m				153/133 (-20)
31			92 97			fs grdg to ms; crsh lam thuc									partly brkn
↓								Box 73							
26			40 42			crsh; pf thuc; vfs lam									solid
			24 27			dksh; pf thuc									semi-solid
											496'/151.18m				152/166 (+14)
		151.32	.3			dkgrsh, as above									

151.37

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 39

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	151.32		39		300	CA									broken
			86	89		CB									partly brkn
			3			CB		Box 74							brkn
			(30)			MC									
											501'/152.70m				154/131 (-21)
(26)			5			csh									solid
			4			CB									solid
			48			CA									brkn
			21			CB									partly brkn
			(10)			MC									
		154.18	40			CA									pulverized
	154.18	154.23	.5			CD; appears to be sand grains in good coal									solid
			53 52	59		ms grdg to cs; preserved root material thur; massive;									brkn at bottom
(25)															
											506'/154.23m				153/176 (+23)
		154.82	7			MS; as above									solid
		154.82													

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88001

PAGE No. 40

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 75							
	154.82		102			cs; massive									solid
											510/155.45m				122/109 (+13)
			96			cs, as above									"
								Box 76							
			61	419		cs, as above									"
											515'/156.97m				152/157 (+5)
			141			cs, as above									solid
								Box 77							
			19			cs, as above									
											520.5/158.65m				168/160 (+8)
25		160.55	154			cs, as above ; dkgrsh lam. ft 56-60 cm									

160.55'

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88001

PAGE No. 41

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											5255'/160.17m				152/154 (+2)
	160.55		36			cs; massive									solid
								Box 78							
			117			cs, as above									"
											531/161.85m				168/153 (-15)
			99			cs, as above									"
				456											
(25)								Box 79							
			52			cs, as above									solid
											536/163.37m				152/151 (-1)
			152			cs, as above									solid
											541'/164.90m				153/152 (-1)
								Box 80							
		166.73	162	↓		cs grdg to mds									solid, broken at bottom
											546'/166.42m				152/162 (+10)

166.73

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDBB001

PAGE No. 42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	166.73		46	208		cs, as above									solid
								Box 81							
			106			ms; massive; occas dksh lam									solid
											551'/167.94m				152/152 (0)
(25)			105			ms, as above									
				418				Box 82							
			51			ms, as above									
											556'/169.47m				153/156 (+3)
		171.37	156			ms, incr'ly abund dksh lam; lam. predom. due to preserved pf										
											561'/170.99m				152/156 (+4)
						EOH									

171.37

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QRD83001

PAGE No. ~~46~~ 43

ADJUSTED & CHECKED
88.08.23
TW.

QPD88002

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	0.00	9.08	(9.08)			OB. 30' of casing (OB)	30'/9.14m				
						Box 1					
			39			crsh; silty; pf thur					solid
			57			fs; crsh. lam thur; pf thur (often seen pycatized — lepidendron?)					solid
			4			grsh; silty in part (apparent missing roof at top)					semi-brkn
(12)											
		10.30	22			fs, as above					solid
	10.30		16			grsh; occas. pf					solid 153/138 (-15)
					#2		35'/10.67m				
		11.02	58 56			grsh.; thin (< 1mm) coaly lam. thur; silty lams thur					brkn
ROOF	11.02	11.18	(16)			MC					
FLOOR						Box 2					
	11.18		58			crsh, grdg to vfs at bottom; rubbly					badly brkn
		12.02	(76)			MR					brkn
ROOF FLOOR	12.02	12.30 (12.30)	(28)			MC					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88

PAGE No.

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											40'/12.19m				152/116 (36)
	12.30	13.14	84			grsh; high angle fracs ± calc. ± oxidized iron-bearing minerals along frac. surf.; grades to crsh ± thin coaly lam (≤1mm) thru									brkn
12°	13.14		53			fs grdg to ms ± dksh lam. thru; minor biotuch									solid
						Box 3									
			9			fs, as above; high angle fracs; heniatite staining along frac surfs; occas pf									semi-solid
				238							455'/13.87m				168/146 (-22)
			156			fs, as above; high angle frac at 0-28 cm; hematite staining along frac. ± 1 cm weathered envelope; crsh lam thru; occas pf.									solid
											51'/15.54m				167/156 (-11)
↓		15.52	20			as above (fs)									solid

15.52

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDD8002

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
13	15.52		15			gr sh.; silty; high angle fracs ē hematite staining along frac surf.					brkn
						Box 4					
			38			crsh; high angle fracs (approx 11's core) ē hematite stain'g along frac. surfs; pf thur					brkn
				79			53'/16.15 m				61/73 (+12)
			41			crsh; as above; occas fs interbeds up to 5 cm					solid
			80			fs grdg to vfs ē crsh laa & interbeds thur; high angle fracs ē hematite staining along frac. surfs					semi-solid
			15 (8)			crsh; occas pf MR MC					semi-brkn
BASE FLOOR	17.47	17.47 17.64	(17)								
(14)	17.64	17.75	11			gr sh; pf thur					brkn
							58.5'/17.83 m				168/147 (-21)
						Box 5					

1775

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 3

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	17.75		12	23		grsh, as above; occas. coaly beds/lam - 2 cm coaly bed at base (CA)									semi-brkn
			~~52~~ 51	84		crsh grdg to dksh; high angle fracs thur; abund. hematite staining									badly brkn
											61'/18.59m				76/64 (-12)
			~~34~~ 33			crsh, as above									badly brkn
14°			23			grsh; coaly lam to .5cm (occas); coaly lam almost totally vitrinite									semi-solid
			37			crsh; c̄ vfs interbeds thur; occas. coaly lam (1mm); high angle fracs									solid
			14			ms; dark clay matrix; pf thur									solid
			9	180		fs; crsh lam thur									solid
(11)								Box 6							
		19.82	28			fs, as above									

19.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. _____

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							66'/20.12m				153/145 (-8)
	19.82	21.25	144 14 3			fs, as above; bioturb					semi-solid
							71'/21.64m				152/144 (-8)
	21.25		38			vfs grdg to csh at base; orsh bm thur					semi-solid
				98		Box 7					
11°			60			vfs grdg to fs & csh laim thur					solid
		22.27	4			csh grdg to CD; approx 30% coal by vol					solid
ROOF	22.27		3		3010	CD					brkn
			8			CB					"
			(18) 18			MC CA					badly brkn
			11			CB					semi-solid
		22.91	6			CA					"
	22.91	22.94	3			CD					"

22.94

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							76'/23.16m				157/151 (-1)
	22.94	,	(15)			MC (high ash - CD/csh.) [Ave $\rho \approx 1.9$ g/cm³]					
			22		3010	cA, locally grdg to csh					brkn at base
(11)											
		23.34	3			cA; rusty.					partly brkn
	23.34	23.59	(25)			MR					
	23.59	23.66	(7)			MC					
	23.66	23.72	(6)			MR					
FLOOR	23.72	23.82	(10)			MC					
	23.82		9			vfs; csh: lam thur; coal lam. at the top					brkn
			25			csh; massive; poorly consolidated (mudstone)					badly brkn
			12			csh; occas pf; rare coaly lam to lams.					brkn
				57							
						Box 8					
(15)											
		24.48	20			csh, as above					semi-brkn
	24.48		13			ssh; occas pf					solid
				73			81'/24.69m				153/104 (-49)
		25.21	60			ssh, as above					partly brkn

25.21

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	25.21		29			fs; ssh. lam. thur; bioturb; grades to ms									semi-brkn.
			66			ms & ssh. lam. thur; bioturb									solid
											96'/26.21m				152/157 (+5)
				79											
15°			11			ms, as above									solid
								Box 9							
			2			ms, as above									"
			~~85~~ 80			ssh; interbds of vfs thur									semi-solid
			40			cs; rip-up clasts at base; sh lam. top 11cm (consist of ssh)									solid
			13			vfs; sh lam. thur; bioturb									solid
				28							91'/27.74m				153/149 (-4)
			15			vfs, as above									brkn.
		28.06	29			fs grdg to ms; sh lam thur; bioturb									solid

28.06

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
11°	28.66		13			ms; bioturb					solid
			9			vfs ē crish lam thur (to 0.5cm)					brkn
			4			ms ē crish lam thur; bioturb (worm burrows)					solid
				79		Box 10					
			76.75			ms, as above, locally grdg to cs					solid
			9			cs					solid
							96'/29.26 m				152/155 (+3)
11°			125			cs, as above; x-bd; Box 11					solid
			19			cs, as above; ferruginous clay lam thur	101'/30.78 m				solid 152/144 (-8)
			48			cs, as above					solid
		31.48	40			cs; interbedded ferruginous clay lam & abund. coaly lam from 12-34 cm					solid
				303							

31.48

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDD8002

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	31.48		63 67			cs; occas clay lam, as above; grdg to v cs at base									solid
			9			v cs; massive									solid
				97							106'/32.31 m				153/160 (+7)
(11)			20			v cs as above									solid
								Box 12							
			60			v cs, as above; rip-up clasts & pf from 52-57 cm									solid
			53			cs; occas clay lam & pf									solid
			2			vfs interbedded & ssh; grdg to fs									brkn
			3			fs; crssh. lam									solid
(14)			4			mas; x-bded									solid
		33.70	1			vfs interbded csh & lam									

33.70

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM89002

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											111'/33.83m				152/151 (-1)
				2											
	33.70		1			vfs, as above									solid
			14			fs; extremely bioturb, mixing crsh & sand of var. grain sizes; interbded ssh									semi-solid
			6			ssh interbded fs & vfs									brkn
			69			ms; biotirb to 14 cm; csh. lam. in bottom 7cm									solid
						Box 13									"
			64	176		ms grdg to cs; clay & ssh lam thur									solid
											116'/35.36m				153/154 (+1)
14°			43			ms, as above									"
			6			v. as interbded & cs; sharp contact & underlyg fs									solid
		35.81	8			fs interbded ssh lam; biotirb									brkn

35.81

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDD88002

PAGE No. 10

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	35.81		20			ssh interbded ē ćrsh ; vfs ; bioturb					brkn.
			25			ms ; bioturb in top 10cm ; accas pf					solid
			5			vfs ; interbded ē ssh ; bioturb					solid
			32			ms grdg to fs ; interbded ssh lam ; extremely bioturb ; 10cm worm burrow at base					"
			8			fs, interbded ssh ; bioturb					"
							121'/36.88m				152/147 ft (-5)
(14)						Box 14					
			6			ssh ; interbded fs ; bioturb					solid
			4			ms ; bioturb					"
			12			fs interbded ō ćrsh ; bioturb thur ; 6cm worm burrow					"
		37.13	20			vfs ; silty matrix ; extremely bioturb.					

37.13

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDD88002

PAGE No. 11

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	37.13		~~19~~ 18			fs grdg to ms; crsh lam bottom 7cm; biotub thur.									brken at base
(14)															
			5			ms									brkn
			3			crsh									"
			12			fs; crsh lam thur									solid
			10			ssh coarsens down; vfs interbds									semi-brkn
			19			ms; x-bded									solid
			3			vfs interbded ssh									semi-brkn
			4			fs c̄ dkgish lam									solid
			~~44~~ 41			ms; occas carbonaceous lam									brkn at base
											126'/38.40m				152/161 (+9)
				76											
6°		38.38	10			ms, as above; crsh rip-up clasts at bottom 1cm; high angle frac c̄ hematite staining									solid

30.31

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	38.38		20	↑		ms; abund coaly lam. thin, particularly in the top 3 cm					partly brkn
											solid
			5			ms; occas pf.					
			10	22		ssh					partly brkn
						Box 15					
			12			ssh, as above					"
			79			ms; abund pf thin; abund coaly lam (1mm), particularly in bottom 24 cm.					solid
(6)											
			'	143			131'/39.93m				153/136 (-17)
						ms, as above; locally grdg to fs; crsl & coaly lam thin					solid
			64								
			14			ssh; bioturb; interbded fs					broken in parts
			6			fs & crsl. lam thin; pf thin					partly brkn
		40.79	32	↓		ms; pf thin					solid

40.79

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDD8002

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 16									
	40.79		17	18		ms, as above; bioturb; grdg to fs									solid
			29			ms; abund minute pf thur; massive									solid
											136'/41.45m				152/161 (+9)
			21			vfs grdg to ssh									semi-solid
			12			fs grdg to vfs; extremely bioturb									"
(6)			7			vfs ± interbded ssh; bioturb thur									solid
			.7			fs; carbonaceous lam. thur									solid
			48			vfs; locally bioturb; minute pf thur, massive									solid
			14			fs; carbonaceous lam thur									"
			33			vfs; massive; bioturb from 17-30 cm									
		42.73	6			vfs grdg to ssh; pf thur									solid

42.73

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP088002

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(6)				↑							141'/42.98m				153/148 (-5)
	42.73		11	56		vfs, as above									solid
			6			crsh ā vfs stringers									brkn.
				136				Box 17							
			135	130?		crsh, as above									"
			9			vfs, interbded crsh									solid
10°			6			fs; interbded crsl (interbds to 1cm), pf abund in sh. horizons									"
											146'/44.50m				152/167 (-15)
			25			vfs; abund interbded crsh; bioturb thur									solid
			37			ssh; minute pf thur									mostly solid
								Box 18							
				205											
		45.82	85	↓		ssh, as above; grdg to vfs at base									

45.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QN88002

PAGE No. 15

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											151'/46.02m				152/147 (-5)
	45.82		83			ssh, as above									solid
			54 52	56		dksh; interbded vfs & fs gradg to crsh									basically solid
						Box 19									
			4			dksh, as above									"
(10)															
			16			vfs; interbded crsh; extensively biotrb. top 9cm;									solid
						heavy fe stain along high angle frac.									
											156'/47.55m				153/157 (+4)
			160 156			crsh; interbded vfs; locally biotrb.; locally									basically solid
						gradg to dksh									
											161'/49.07m				152/160 (+8)
		49.29	37 36	37		ssh gradg to crsh; interbded vfs thruc									brkn at base
(6)						Box 20									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				↑											
	49.29		51			ssh, as above									solid
6°			17			vfs ± ssh lam thur; bioturb top 9 cm									"
			50-48			ssh; interbded ± vfs; crsh thur									brkn at top
				.75							166'/50.6m				153/155 (+2)
			27			ssh, as above grdg to crsh									solid.
			11			fs; crsh lam thur; 2 cm sh bed from 7-9 cm.									solid.
			29-28			crsh; thin stringers of interbded vfs; crumbly									brkn
			14			fs; bioturb; crsh lam; crsh bed from 4-6 cm									solid
		51.38	13			crsh; minor interbded fs; bioturb									"
						Box 21									
(13)	51.38	51.90	.52	↓		fs; interbded crsh thur, beds to 5 cm; bioturb thur.									solid

51.90

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88002

PAGE No. 17

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											171'/52.12	n-1			152/146 (-6)
	51.90		~~160~~ 159			fs; bioturb thuc; crsh. lam & beds to 4cm thuc; carbonaceous lam. thuc.									solid
				246							176/53.64m				152/160 (+8)
								Box 22							
			35			fs, as above									solid
			11			vfs; dksh lam thuc; bioturb top 4 cm									"
			6			ssh c carbonaceous lam showing slickensides									"
			9			fs; carbonaceous lam thuc									"
			11	28		fs; massive									"
			8			fs; bioturb; 8 cm wiorm burrows; dksh lam thuc									solid
			17			sh.; minor vfs interbds; irreg leases of fs from 10-12 cm									partly brkn
13°		54.56	10	182		fs; dksh lam; X-bded									solid

54.56

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP88002

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	54.56		10			fs; abund coaly matter thin ≤ 0.5cm coal lens at top; slickensides					brkn
			30			fs ≤ coaly lam thin to 0.5 mm; dksh interbds particularly at base; bioturb at base					partly brkn at base
(13)							181'/55.17m				153/147 (-6)
			52 50			fs; bioturb; preserved root matter; 3cm parting of vfs; interbded dkgrsh 44-47cm					solid, brkn @ 44-47cm
						Box 23					
			82			fs; vfs; crsh lam thin; carbonaceous lam from 63-82 cm; bioturb at base					solid
			16			sh; pyr concretions up to 3cm (generally 1-2mm thick)					"
10'			5			fs, as above fs					
							186'/56.69m				152/155 (+3)
		56.57	8			vfs ≤ dksh lam thin coarsening down					"

56.57

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDDB007

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	56.57		10			fs; dksh. lam thur; apparent root preservation					solid
			3			ssh; minor vfs stringers					"
			80			fs; bioturb, particularly bottom 51 cm; dksh. lam root preservation					solid
						Box 24					
			45	137		fs, as above					solid
							191/58.22 m				153/154 (+1)
(10)											
			12			fs; interbded crsh; bioturb					"
			3			sh					partly bcktn
			5			fs; bioturb, as above					
			10			sh gradg to crsh; minor interbded sand @ bottom 3cm; bioturb					brtn.
		58.51	18			vfs; interbded crsh; bioturb thur					solid

58.51

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDDH002

PAGE No. 20

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	58.51		30			sh									partly brken & base
			16			fs interbded crsh; bioturb									solid
(10)															
		59.04	7			sh; slickensides; calcite along high angle fracs									"
	59.04		30			vfs; crsh law thinc; bioturb bottom 6cm									"
			5			crsh; minor interbded vfs									solid
19°															
			7			cgl; pebbles to 2 cm									
	59.46	59.48	2			CD									badly brkn
	59.48		2			CA									"
ROOF FLOOR		59.68	(18)			MC									
											196'/59.74m				152/147 (-5)
	59.68		12			dkgrsh; 10-15% vit thinc									solid
(18)		59.83	3			csh; approx 40% vit									partly brkn
						Box 25									

59.83

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 21

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
ROOF	59.83		9		NO	CA									badly brkn
FLOOR		60.00	(8)		SAMPLE	MC									
? → 18°	60.00		7			csh									solid
			4			dkgrsh; vit. stringers thur									"
			26			crsh. gdg to csh; abund. pf thur									solid
			76			vfs; crsh lam thur; bioturb; pf thur									solid
			.	85							201'/61.26m				152/137 (-15)
		61.22	9			vfs, as above									solid
	61.22														
			23			crsh; occas pf									"
			5			csh; 40-50% coaly material									partly brkn
			9			dkgrsh; 20-30% coaly material									solid
			2			csh, as csh above									"
		61.92	31			grsh; occas coaly stringers									solid
(1)															

61.92

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP88002

PAGE No. 22

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 26							
1°	61.92		11	42		grsh, as above									solid
			70			crsh; occas. pf									bckn near base
											206'/62.79m				153/160 (+7)
			128			crsh, as above									bckn in places, generally solid
				299				Box 27							
			13			crsh									solid, crumbly
											211'/64.31m				152/141 (+11)
			88			crsh, as above									slightly bkn
			72			ssh; occas. pf									generally solid
											216'/65.84m				153/160 (+7)
↓		66.07	33			crsh; carbonaceous									generally solid
								Box 28							

66.07

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP088002

PAGE No. 23

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	66.07		111			grsh; occas. coaly plant preservation in irregular lenses									generally solid
											221'/67.36 m				152/144 (-8)
			97			grsh, as above; grdg to crsh; coaly plant preservation thur; finely disseminated pyr along nr vertical shear surfaces									"
				318											
						Box 29									
4°			57			grsh, as above; fine coaly lam thur; abund pyr									brkn
											226'/68.83 m				152/154 (+2)
			53			grsh, as above									brkn at top
			24			ssh; abund. coaly pf thur									solid
			13			vfs; abund. coaly matter thur; bioturb									"
↓		69.73	11			grsh; abund. coaly plant preservation thur (15 %); sandy i/p									"

69.73

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 24

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	69.73		7			ssh; bioturb; preserved root matter thruout					solid
			28			vfs; interbded ssh; preserved root matter & pf thruout					"
						Box 30					
			19	93		vfs, as above; minor preserved pf					solid
							231'/70.41m				153/155 (+2)
14°			46			vfs, as above; ssh interbds					"
			6			fs grdg to ms; abund crsh rip-up clasts					solid
			2			ssh					"
			33			fs, as above fs; interbded crsh					solid
		71.80	66			ms; interbded fs & ssh					"
							236'/71.93m				152/153 (+1)

71.80

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	71.80		22			fs ; interbded crsh									solid
								Box 31							
			34			vfs ; interbded crsh ; bioturb ; occas. pf									solid
			96			fs ; locally ; grdg to ms ; interbded crsh & vfs									basically solid
											241'/73.46m				153/152 (-1)
			30			vfs grdg to ssh									solid
(14)															
			19			crsh grdg to ssh ; pf thur									"
			11			fs ; interbded crsh & pf									"
			12			crsh grdg to ssh ; carbonaceous i/p									solid
			5			vfs									"
				11				Box 32							
↓		74.15	6			as above									solid

74.15

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88012

PAGE No. 26

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
18°	74.15		74			ms; carbonized pf thur; carbonaceous lam common									solid
				90							246'/74.98m				152/157 (+5)
			16			as above									
			105			cs grdg to v. cs; high angle x-bdng; carbonized pf common thur									solid
	76.10		7			cgl; pebbles to 0.5 cm									solid
								Box 33							
			11	128		cgl, as above									"
											251'/76.50m				152/139 (-13)
			110			cgl; pebbles locally to 1cm (generally < 5mm); coalified pf occas. seen c̄ abund. [illegible]									"
		77.53	15			v. cs; pebbles to 0.5 cm; [illegible] thur									

77.53

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 27

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	77.53		28			cgl; pebbles to 2cm									solid
											256'/78.03m				152/153 (0)
			42	179		cgl; pebbles generally <1cm; occas. coalified pf									solid
						Box 34									
			109			cgl; pebbles to 2cm; coalified pf common									solid
			3			v. cs; coalified pf; fltg pebbles to 1cm									
(18)				5							261'/79.55m				152/154 (+2)
			2			v. cs. as above; abund. fltg pebbles (to 1cm) at base									"
			96			cgl; pebbles to 2cm fining downwards									"
				140		Box 35									
		80.77	44			cgl; pebbles generally ≤ 0.5 cm; coalified pf									"

80.77

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 28

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	80.77		18			v. cs; high angle x-bds									solid
			1			cgl									"
				142							266'/81.08m				153/161 (18)
			141			cgl; pebbles to 1cm; occas. coalified pf									solid
			(9)			MR									
											271'/82.60m				152/141 (-11)
			7			cgl, as above									brkn
(16)															
						Box 36									
			149	186		cgl, coarsening down; pebbles to 2cm; occas large; crsh rip-up clasts									solid
											276'/84.12m				152/156 (+4)
			30			cgl; fining down; pebbles generally <a.5 cm									solid
		84.62	30			v cs; abund. coalified pf from 10-17cm; high angle x-bdng									solid
(17)															

84.62

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPDBB002

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 37							
	84.62		8	38		v. cs, as above; coalified pf at base									solid
			8			cgl; pebbles to 1cm									"
17°			11			v. cs; cgl band from 4-5 cm; carbonaceous lam from 8-9 cm.									"
			71			cgl; pebbles to 4cm									solid
				153							781'/85.65m				153/158 (+5)
			82			cgl; pebbles to 35cm, generally ≤1cm									solid
			28			v. cs; carbonized pf thur									"
								Box 38							
				43											
			15			v. cs, as above									solid
		87.18	33			cgl; coarsening down; pebbles to 2cm; coalified pf common									

87.18

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDDB8002

PAGE No. 30

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							286'/87.17m				152/158 (+6)
(17)											
	87.18		141	} 174		cgl; v.cs bands @ 44-48, 57-79 & 103-107cm; one @ 57-79 has abund. coalified pf thur					solid
			7			v. cs					solid
							291'/88.70m				153/148 (-5)
			13	} 106		v. cs, as above; occas. carbanized pf					"
						Box 39					
30°	(x-bded)		86			v. cs; locally conglomeritic; carbonized pf thur					generally solid
			53			cgl; fining down; pebbles to 3cm at top					solid
				} 102			296'/90.20m				152/152 (0)
		90.67	49			cgl; predominantly v.cs & abund pebbles to 1cm flt'g thur; high angle x-bds					solid

90.67

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 31

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	90.67		11			v. cs; carbonaceous lam.									solid
				15		Box 40									
			4			v. cs, as above									solid
			91			cgl; v.cs band @ 10-22 cm; pebbles to 2cm									"
											301'/91.74m				152/155 (+3)
			108			cgl; pebbles to 2cm									solid
						Box 41									
(30)															
			43			cgl, as above									"
				403											
											306'/93.27m				153/151 (-2)
			145			cgl; v. coarse pebbles to 4cm, generally 1-2cm									solid
											311'/94.79m				152/145 (-7)
		94.85	116			cgl; pebbles to 2cm									solid

94.85

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 32

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 42					
	9485		96			cgl; pebbles to 2.5cm; - missing rock @ 55 cm - 55-68cm predominantly v.cs ē fltg pebbles to 2cm thur; abund. carbonized pf & coat preservation thur					solid
							3145'/95.86m				107/112 (+5)
			113	294		cgl; pebbles to 2.5cm; carbonized pf @ 24cm					
30						Box 43					"
			37			cgl; occas. coalified pf					
							319.5'/97.38m				152/150 (-2)
			48			cgl; pebbles to 2cm; occas. carbonized pf					solid
		97.88	9			v.cs; occas. fltg pebbles to 1cm; carbonaceous lamellae at base)					"
18											

97.88

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDD 88002

PAGE No. 33

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	97.68		49			cgl, as above cgl					solid
18°											
			48			v.cs; abund. coalified pf thur; cgl band @ 9-11 cm					"
							325'/99.06 m				168/154 (+14)
			10	88		v.cs, as above					"
						Box 44					
			30			v.cs, as above					"
			112			cgl; pebbles to 1cm, generally ≤ 0.5cm; abund coalified pf thur					generally solid, broken @ 112cm
			3			fs ± carbonized pf					
			9			cgl, as above cgl					
				68			330'/100.50 m				144/164 (+20)
		101.08	59			cgl; pebbles generally <0.5cm; abund coalified pf from 27-59cm (core doesn't fit well @ 27cm)					generally solid

101.08

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 34

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
									Box 45						
(18)	101.08	101.26	18			v. cs; carbonized pf thur; high angle x-bds; sharp underlying contact									solid
			17			grsh; silty i/p; occas. coaly lam. to 1 mm; possible MR at 6cm									generally solid
17°			56	171		crsh; occas carbonized pf					335'/102.11m				solid 161/150 (-11)
		103.14	115			crsh, as above; interbded grsh									solid
									Box 46						
"	103.14		31			grsh; high angle frac/slickensides; carbonized pf thur									solid
		103.56.	11			csh; silt bands to 1cm									brkn
TOP OF FLOOR	103.56	103.78	(22)			MC									
											340'/103.63m				152/153 (+1)

103.78 103.46

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88002

PAGE No. 35

B.C.N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			1								
	103.78		11			csh					brkn
			1			cp					
			5			dkgrsh					solid
											"
		104.93	48'			grsh ; occas. coaly lenses to 0.5 cm					brkn at base
(17)											
	104.43		90			crsh					solid
							345'/105.16m				153/153 (0)
			8	227		crsd, as above; minor pf					
						Box 47					
			189			crsh ; sl. carb., slty f/p					mostly solid,
		106.89	(19)			MR	182/137		(-45)		broken at 5,
							351'/106.98 m				14, 80-90

106.89

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP88002

PAGE No. 36

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	106.89		80			crsh ; a/a									basically solid
				105		Box 48									
(17)			25			crsh ; a/a									solid
			11			grsh ; slty r/p ; high angle frac. w/ fnly xln. calcite along frac.									solid
			15			dkgrsh ; slty i/p , coal lamellae to ½cm					356/108.51 m				solid 153/131 (22)
			4			csh ; approx 50% coal lam. to 2mm thru.									broken
			8			dkgrsh ; occ. coal lam to 2mm									solid
(6)			19			grsh ; occ coalified plant remains									solid
		109.82	1.31			crsh ; plant remains thru.									solid
						Box 49									

109.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD8800 2

PAGE No. 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											361'/110.03m				152/162 (+10)
	109.82		11	142		crsh; a/a									"
			80			grsh; silty in part, occ. coal stringers to ½cm, carb. thru.									solid
		110.94	21			dkgrsh; coalified plant remains thru.									solid
	110.94		9			dksh									
6°			7			csh; 40-50% coal occurring as stringers & lenses thru. — ½cm									partly broken
			29			dksh					366'/111.56m				153/157 (+4)
															"
			7			dkgrsh									
	111.46	111.48	2			cd									pulverized
ROOF	111.48		9		3011	cb									solid
		111.65	(8)			MC									
	111.65		6			ssh; carb.; 5-10% coal stringers concentrated at the top									solid
	111.71	111.78	7			ca; trace of pyrite									solid

111.78

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88002

PAGE No. 38

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	111.78		3		3011	csh ;									solid
			5			dkgrsh }	honeycombed w/ calcite framework								"
		111.88	2			csh									"
						Box 50									
			29												
	111.88		36		3012	ca									broken to pulverized
(6)			14			cb									solid
			5			cc									"
		112.39	3			cd									"
	112.39		2			csh									"
		112.45	4			dksh ; abundant coalified plant thrus, slty i/p.									solid

ELOGR

112.45

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 39

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
"	112.45		24			dkgrsh ; carbonized plant remains thru.					solid
			31			grsh ; carb. pl. rmns. thru ; fos pl. mat. ; mnr. pyrite					solid
				112			371'/1	13.08	m		152/160 (+8)
			81			grsh ; a/a , but localized coal stringers - 2mm.					solid
(6)											
			15			dkgrsh ; coal stringers - 1cm , slty i/p.					"
						Box 51					
			8			csh					partly broken
		114.07	(3)			MR					
ROOF	114.07		7		3013	cd					broken
			(6)			MC					
			12			cb					solid
		114.39	7			cc					"

DRILL CORE LOG 114.39

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 40

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	114.39	114.44	5			cd									solid
			10			csh; calc. along vertical frac.									"
			10			dkgrsh; micr. coal lam.; tr. of pyrite									"
		114.65	①			MR									152
	114.65		⑤ 3			MC ca.					114.60 m				broken
⑥					3013										
		114.81	7			cc									solid
	114.81	114.87	16			csh									broken at top
	114.87		7			cD									"
			7			cb.									solid
FLOOR		115.16	15			ca									broken
	115.16.		3			dksh; thin coal lam. - 1mm thru., trace of pyrite									solid
			9			dkgrsh; carb. pl. rmns. thru.									"
		115.35	7			ssh; carb. pl. rmns. thru.									"

115.35'

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 41

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	115.35		43.			vfs ; carb. lam., carb. root rmns: thrw., tr. of pyrite									solid
		115.89	54			grsh									"
	115.89		7			csh ; coal stringers & lenses thrw. - ½cm , mnr. pyrite									"
			4			dkgrsh									"
		116.03	3			cc ; mnr. pyrite									slightly broken
(6)	116.03					~~M.R.~~									
		116.06	3			dkgrsh									solid
	116.06	116.10	4			cc									"
	116.10		3			dkgrsh ; slty i/p.					381'/116.13m				3.05/294 (11)
		116.15	2			dksh									solid
	116.15		(6)			mc									
		116.23	2			ca									broken

116.23

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 52					
	116.23		3			cd					broken
			13			dk.sh ; coal lenses - ½cm					solid
(6)											
		116.46	7			csh ; coal stringers to 1cm					badly broken
		116.48	2			grsh ; mnr. carb. mat. thru.					solid
	116.48		66			crsh ; mnr. carb. pl. mat. thru					slightly broken
			12			ssh ; mnr. intbdd. vfs., carb. pl. rmns. thru.					solid
8°			48			vfs ; intbdd. dkgrsh thru. w/ abnt. carb: pl. rmns. thru., tr. of pyrite					solid
				103			386'/	117.65m			152/155 (+3')
			55			vfs ; i/a					badly broken
		118.33	(4)			MR					
						Box 53					

118.33

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP88002

PAGE No. 43

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	118.33		27			vfs, a/a; vertical frac. w/ calc. & pyrite along frac; grades to s.sh					solid
			11			ssh					"
			45			vfs; abnt intbdd grsh, carb. pl. rmns. com. within grsh beds					"
				103			391'/	19.18m			153/138 (-15)
			58			vfs; a/a					"
			28			fs; shale lam thru, abnt. carb. pl rmns. within shale lam.					solid
			41			vfs; crsh lam thru; abnt carb pl. rmns.					"
				93		Box 54					
8°		120.74	31			vfs; a/a, loc. grdg. to ssh					solid
							396'/	120.70m			152/158 (+6)

120.74

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 44

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	120.74		21			vfs ; a/a					solid
			29			fs ; abnt. carb. lam. thru.					"
			1			cc					"
		121.85	60			fs ; a/a					"
	121.85		13			vfs ; shale lam. thru. w/ carb. pl. rmns.					solid
(8)											
			4			ssh ; carb. pl. rmns. thru.					"
			4			grsh ; carb. pl. rmns.					"
			14			ssh ; bioturb.					"
			6			crsh					"
			2			ssh					"
							401'/122.22m				152/154 (+2)
		122.39	11			grsh ; silty i/p. y carb.					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88 00 2

PAGE No. 45

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	122.39	122.41	2			csh ; calc. & pyr. along vertical frac.									solid
ROOF	122.41		3		3014	cc ; mnr. pyrite									broken
			(6)			MC									
						Box 55									
E4			14			CA									
															badly brkn to pulverized
			2			csh									
			4			CB									solid
		122.78	8			CA									pulverized
	122.78		(3)			MR									
(8)			6			coaly rock - csh ; trace pyr ; vit. lenses to 0.5 cm									solid
		122.92	5			cc									solid
	122.92	123.16	26 24			CA									partly brkn at base
	123.16		3			dksh ; abund. vit. stringers to 1 mm									solid
		123.28	9			grsh ; carbonized pf thur									solid

123.28

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 46

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	123.28		6			dkgrsh									solid
			2			csh.									"
			(1)			MR.									
		123.40	3			CD									
	123.40		8			CA									bcka at top
			15			CB									solid
			5			CA									"
			2			vfs; coaly stringers thur									"
(8)															
			14			CB									solid
			3			CA									bcka
										406'/123.75 m					153/151 (-2)
10'			(6)			MC									
FLOOR		124.03	10			CA, as above									bcka
(13)	124.03	124.54	52 51			cgl; pebbles to 0.5cm; coaly matter @ top 0.5 cm									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 47

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 56					
	124.54		68 (67)			cgl, as above; pebbles to 1" max					solid
							411'/125.27m				152/130 (-22)
			150 (148)	226.		cgl, as above; carbonaceous rock @ 107cm					solid
						Box 57					
			11			cgl, as above					
							416'/126.80m				153/161 (+8)
			150 (143)			cgl coarsening down, pebbles to 3cm; poorly defined vertical fracs locally & abund. pyr at frac surf					solid
(13)				193							
							421'/128.32m				152/150 (-2)
			46 (45)			cgl, as above; pebbles to 1cm					"
											"
						Box 58					
		129.83	117 (110)			cgl coarsening down; pebbles generally ≤ 1cm at top & up to 2cm at base; carbonized pl @ 99cm					sol.

129.83

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							426'/129.84m				102/158 (+6)
	129.83		96			cgl, fining down generally, pebbles to 3cm @ top & ≤1cm at base					solid
				213							
						Box 59					
			9			cgl; pebbles to 2 cm					solid
			28			cs; occas. carbonaceous lam; occas flty pebbles to 0.5 cm					solid
(13)											
			15			v. cs; high angle x-beds; pebbles to 0.5m thur; coarsening down					solid
				20			431'/131.37m				153/148 (-5)
			5			v. cs, as above; grdg to cgl					solid
			18			cgl; pebbles to 1.5 cm					"
		131.81	29			v. cs; flty pebbles to 1cm; carbonaceous lam from 18-22 cm					solid

131.80

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 49

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	131.81		4			cgl; pebbles to 2 cm					solid
			8			cs; carbonaceous lam @ base					"
			78 76			cgl; pebbles to 3 cm; carbon. lam common in top 4cm					"
			7			v. cs; f/fg pebbles to 0.5cm thur					solid
			8			cgl; pebbles to 1.5cm					"
				41			436'/132.89				152/157 (+5)
						Box 60					
(13)			33			cgl; pebbles to 2.5 cm; abrupt contact @ base					solid
			11			v. cs; abund carbon. lam @ top 1.5 cm;					"
			4			cgl; pebbles to 1.5 cm					"
			25			v. cs; x-bded					"
		133.71	14			cs; coaly lam thin, particularly from 7.5-14 cm; lam to 0.5 cm					"

133.70

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 50

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	133.71		13			cgl ; carbonaceous matter thur; pebbles to 2 cm					solid
			26			cs grdg to v.cs; occas carbon. lam; occas. flty pebbles to 0.5cm					"
			19			cgl gradies to v. cs; pebbles to 2.5cm @ base					"
											solid
							441/134.40 m				152/145 (-6)
			76 6.5			cs grdg to ms; grsh lam. thur; carbon. lam. common top 19 cm					
						Box 61					
13°			91 5.9			ms; occas rip-up clasts to 2cm @ base					
							446/135.94				152/161 (+9)
					246						
		137.36	145 7.90			ms, as above					
						Box 62					
		137.25									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QP 88002

PAGE No. 51

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	137.26		17			ms, as above; abund. carbon. lam. & carbonized pl. fragm. 10-17mm					Solid
(13)											
							451/137.46m				152/159 (+7)
			160 (158)			ms; x-bded; occas. carbon lam.					"
							456/138.99m				153/160 (+7)
			35 (34)	323		ms, as above					"
						Box 63					
7°			116 (117)			ms, as above					"
							461/140.51m				152/151 (+1)
			17			ms, as above					solid
			6			grsh; friable;					brkn
			13			v. es; cgl/meritic & cgl band @ 5.5-7.0cm.					solid
		141.47	68 (62)			ms; as above ms					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 52

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 64							
	141.47	142.10	63	125		ms; crsh lam prominent from 46-48 cm									solid
(7)											466'/142.04 m				153/162 (+9)
	142.10		~~84~~ 83			ms, as above									solid
143.[illegible] 143.[illegible] 56		143.08	15			dkgrsh; coaly stringeis/lenses to 1 cm; mnr pyr; slickensides @ bedding surfs									solid
ROOF															
	143.08		7			CA									badly brkn
			(13)			MC									
FLOOR		143.30	2			cc; abund pyr thur									brkn
(16)															
											470.5/143.41				137/108 (-29)
	143.30		18			grsh; mnr coaly lam									solid
			8			crsh									solid
		143.63	7			ssh									
								Box 65							

143.43

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 53

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec., r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	143.63		67	↑		ssh; extensively bioturb; locally grades to vfs; fs; calcite @ vertical fracs									bckn in part @ top
				86											
											4.725'/144.02m				61/100 (+39)
		144.42	12			ssh, as above									solid
	144.42		97			vfs; interbded fs & grsh thruout; bioturb; minr carbonised pf									solid
			32			grsh; occas coaly lams									"
16°			8			dkgrsh; coaly stringers to lam (generally lamn) thruc									solid
			2			grsh as above grsh; minr pyr @ coaly lams									"
						Box 66									
				45							477.5'/145.54m				152/151 (-1)
		146.24	43			grsh; locally grdg to dkgrsh, occas coal lam to 0.5cm; silty in part									badly bkn

146.24

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 54

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	146.24		2			csh									solid
(16)															
			14			grsh ; minc carbonized pl thur									solid
			49			csh ; carbonaceous									
															"
			61			ssh grdg to vfs ; bioturb									
															"
				72							483'/147.22				168/169 (+1)
			11			ssh, as above									"
			17			vfs, interbded csh ; extensive bioturb									solid
								Box 67							
				57											
			40			vfs, as above; interbded csh									"
14°		149.11	93	167		fs, interbedded vfs & csh ; clay horizon 86-87cm; minc carbonized pl thur									solid
											4885/148.89				167/161 (-6)

149.11

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88002

PAGE No. 55

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec., r.a.d., d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	149.11		74			fs, as above; cs at 46-49cm					solid
			7			vfs interbded crsh; occas carbonized pf					"
				8		Box 68					
			1			vfs, as above					"
			5			v cs					solid
14°			64			vfs; abund. interbded crsh. & ssh; carbonized pf thin; bioturb					solid
				73			4935'/150 42cm				153/151 (-2)
			9			vfs, as above					"
			5			grsh; carbonaceous, friable					broken
			(7)			MR					
		152.15	132			ssh; predominantly crsh & thin, interbded vfs; bioturb; occas carbonized pf					solid
(12)						Box 69					

1208

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 89002

PAGE No. 56

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	152.15	152.21	6'	130		ssh, as above									solid
											498.5/151.94m				152/162 (-10)
	152.21		43			grsh									"
152.84 / 152.17 / +.67		152.84	20			grsh									solid
ROOF	152.84		14			cB									"
			10			cA									badly brkn
			16			cB									solid
(12)															
			3			cA									badly brkn
			(35)			MC									
		153.64	2			cB									"
FLOOR															
	153.64		28			grsh; occas. coal lam to 0.5 cm; carbonaceous thin silty l/p									solid
				126							503.5'/153.47m				153/136 (-17)
			63			grsh, as above									brkn
		154/55													

3015

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD8800?

PAGE No. 52

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 70					
	154.55	154.90	35	↑		grsh, as above					solid
	154.90		6			crsh; carbonized pf thur					"
12°			47			ssh; interbded grsh & carbonized plant fossils					"
				65			509'/155.14m				167/151 (16)
			18			ssh, as above; vertical frac & calcite @ frac surf; grades transitionally to vfs					solid
			99			vfs; interbded crsh & ssh; biotitch i/p; vertical frac & calcite along them; grades to ssh					broken
				125		Box 71					
(4)			26			vfs, as above					"
		157.09	23	↓		crsh grdg to ssh; arras carbonized pf					solid
							514.5'/156.82m				168/166 (-2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 58

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	157.09		70	} 93		crsh, as above; grades to ssh @ base									solid
			66			vfs; interbded ssh; vertical fracs									brkn
			(7)			MR									
											5195'/158.34m				152/136 (-16)
			15			vfs, as above									
															"
should be 15' between markers?						Box 72									
			21			vfs, as above									pdtly brkn
															"
						(Markers not accurate)					520'/158.50				16/36 (+20)
(4)															
			157			vfs, as above; bioturb									solid
				} 305											
											526'/160.32				162/157 (-25)
		160.75	30			vfs, as above									
						Box 73									

160.60

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 59

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
4°	160.75		82			vfs, as above; loc gridg to ms; interbded ssh & csh; carbonaceous i/p									solid
			38			ssh; carb i/p									"
				93							531/161.85 m				153/150 (-3)
			55			ssh, as above; gridg to csh; carb pf thur									"
			38			gcsh; silty; i/p; abund carb pf thur; subquit. plant fossils									"
						Box 74									"
			25			csh.; carb plant fossils thur									solid
			38			vfs gridg to ms; interbded ssh. thur; bioturb; carb. i/p									solid
(12)				81							536/163.37				152/156 (+4)
		163.94	43			vfs, as above									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 60

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	163.94		21			crsh grdg to ssh at base; carb. pf common									solid
			37			vfs grdg to ms bottom 8 cm; interbded ssh; bioturb, carb i/p									"
			19			ssh									partly brkn
			13			crsh; carb. i/p									solid.
			8			fs									solid
(12)			5			crsh; carb. plant fossils									"
								Box 75							
				14							541/1649.0m				153/146 (-7)
			9			crsh, as above									
															solid
			12			fs, interbded ssh; bioturb									"
			35			ssh coarsening down; carb @ top 8 cm;									solid
		166.47	94			fs grdg to ms; interbded ssh & crsh; locally carb									basically solid

166.40

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88002

PAGE No. 61

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh · Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
12°	166.47		10			ssh; interbded fs									
			2			crsh									
											546'/166.43m				152/162 (+10)
			52	148		crsh; loc. carb; interbded ssh									
						Box 76.									
			94			crsh, loc. mib, loc. grdg to grsh									solid
											551'/167.94m				152/146 (-6)
		168.21	16			grsh; silty i/p; carb. pf thur									solid
168.83' 168.92 -.07															
16°	168.21		61			crsh, as above crsh									"
		168.92	10			dkgrsh									brkn at top
ROOF	168.92		11		3016	CA									
			7			CS; large fusinite/vit. inclusion from 16-22 cm									semi-brkn
		169.16	6	14		CA; highly reflective (fusinite)									pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 62

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	192.66		4			sh									solid
			10			grsh; m-vf. sandy lam.									"
											630/192.0 2m				152/152 (D)
		192.93	13			ssh; carb. thin									solid
ROOF															
	192.93		6			CB									"
			2			CD									"
(16)															
			9			CB									"
			12			CA									solid
			1			CC									"
			10			CA									pulverized
					29										
			19			CA									solid
		193.55	3			csh									"

30417

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 68

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3016										
	170.29	170.33	4			cB									badly bckn
FLOOR															
	170.33		5			dksh									solid
			3			cD									"
															"
(16)					3017										
			50			sl; carb pf thin; minor coaly stringers									bckn
		170.95	4			dkgrsh									"
ROOF	170.95		14			cc									solid
			7			csh									"
		171.09	3			cD									solid
								Box 78							
					3018						561'/170.99m				150/145 (-5)
	171.09	171.15	6			cc									bcka

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QDD88002

PAGE No. 64

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3018										
	171.15		10	8		CB (apparent signs of milling on top of next									pulverized (possible
						piece of core)									lost core)
			3			CD; gradg to csh									solid
		171.36	10			CB									solid
		171.41	(5)			MC									
	171.36	171.48	7			ssh; carb thin									"
		171.54	16			CD									solid
	171.54		4			CC									badly brkn
(16)															
			4			CD									brkn
			(10) (5)			MC									
		172.00	23			CC									solid
															"
	172.00		4			dk grsh									solid
		172.08	(4)			MR									
	172.08	172.12	4			CC									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 65

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	172.12		9			CA									pulverized
			(7)			MC									
			41			CB									badly brkn at top;
															basically solid
															bottom 26cm
				82											
											566'/172	52m			153/141 (-12)
		173.10	47			CB									basically solid
	173.10	173.16	6			CD									"
								Box 79							
(16)	173.16		18 17			CB									solid
			6			CC									"
			16			CA									"
			7			CC									solid
			2			CD									"
			22 21			CC									"
			3			CA									
			2			CD									"
			19			CB									"
			16			CA									"
				34							571'/174.04m				152/158 (+6)
		174.43	20 18			CA									brkn

3018

174.43

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD 88002

PAGE No. 66

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3018										
(16)	174.43		12 11			CB									brkn
FLOOR		174.68	14			CA									solid
8	174.68		50			grsh; occas interbded ssh; occas coalified pf, resulting in coal lam to 3mm.									solid
				70		Box 80									
			20			grsh., as above; abund. carb. pf thur									solid
			45			vfs; carb; carb plant fossils thur; grsh lam thur									solid
											576'/175.56m				152/161 (+9)
			67												
		176.60	(10)			grsh; carb pf thur; loc. silty MR									solid
ROOF	176.60		7		3019	CC									brkn
			55			CA → CB									solid
											581'/177.09m				153/134 (-19)
	177.22	177.27	5			CD									

m.27

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 67

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3019	Box 81					
	177.27		72			CA → CB.					semi - brkn
			10			CC					"
(8)			72			CA → CB					"
			(2)			MC	586/178.61m				152/154 (+2)
FLOOR		178.87	4			CC					solid
	178.87	179.36	49			ms; massive; carb pf scattered thuc					solid
						Box 82					
9°	179.36		99			ms; massive; gradg to cs; no sed features or apparent fossil preservation					solid
							591/180.15m				154/148 (-6)
			113			ms, as above					solid
				421							
						Box 83					
		181.95	47			ms as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 68

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							596'/181.66m				151/160 (+9)
	181.95		147			ms, as above; occas. carb. lam. between 80 & 90cm					solid
							601'/183.11m				145/147 (+2)
			15			ms; massive					solid
(9)						Box 84					
			143			ms; ferruginous clay-bearing horizons from 64-69cm					solid
							606'/184.7m				159/158 (-1)
			71	291		ms; ferruginous beds from 48-57 cm.					solid
						Box 85					
		186.48	77			ms; occas. ferruginous lam. from 3-28 cm; iron staining is partly due to finely disseminated pyr.					solid.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 69

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											611'/186.23m				153/148 (-5)
	186.48		135			ms; carb pl from 25-33cm									solid
						Box 86									
			26			ms; massive									"
(9)				346.							616'/187.75m				152/161 (+9)
			145			ms; occas. ferruginous beds; massive									solid
											621'/189.29m				149/145 (-4)
			40			ms, as above									"
						Box 87									
			115			ms; occas. carb. lam, ferruginous i/p									"
				209							626'/190.80				156/155 (-1)
		192.03	94			ms, as above									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 70

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 08							
	192.03		56			ms grdg to fs, as above; increasing carb lam & occas evidence of bioturb									solid
(9)				217							631'/192.32m				152/150 (-2)
		194.15	156			ms; ferruginous lam thur; carb lam; several angular unconformable contacts apparent									
											194.15 636'/193.85m				153/156 (+3)
								E of H			+.30				

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QPD88002

PAGE No. 71

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.					
						QHD 88001					
		2.62				Casing	25'/7.62m				
			(approx ~25			gcsh; abund. arit. carb root matter & pf thur; yellow powdery oxide on weathered surfs					badly brkn
			12			csh; greenish-brown colour; carb pf thur; hematite staining on weathered surfs & vertical fracs					"
	7		88			sh; abund. carb pf thur; friable; locally silty; hematite staining along high angle/nearly vert. fracs					partly brkn
10				1.48			30'/9.14m				125/152 (-27)
			38			sh, as above					badly brkn
						Box 2					
			~22			sh, as above					"
		10.52	105			gcsh; extremely friable; carb matter thur; hematite staining along vert/near vert. fracs					totally crumbled

1052

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 1

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
							35'/10.67m				165/153 (+12)
	10.52		~50			sh; locally carb; silty i/p; hematite staining along vert fracs; friable					badly brkn
						Box 3					
			105	1.65		sh, as above					"
							40'/12.19				155/152 (+3)
(10)			10			sh, as above					"
			~65			grsh; friable; carbonaceous; signs of shearing thur					totally crumbled
				.95		Box 4					
			30			grsh, as above					"
			29			crsh; carb i/p; occas slickensides; hem. staining along shear surfs; occas carb. lam.					generally solid
		13.56	15			grsh; extensively sheared thur; hem. staining along shear surfs; sh thruout this zone is chaotically					badly brkn

13.50

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						folded; tectonically thickened									
				.20											
											45'/13.72m				149/153 (-4)
	13.58		~5			grsh, as above; shearing not as prevalent									badly brkn
			7			grsh; carb pf thur; hem staining along vert. frac.									solid
			~95			sh; friable; carb i/p; locally silty; hem staining along vert. fracs thur.									badly brkn
(10)															
						Box 5									
			27	1.38		sh; badly frac; hem staining thur along frac. surfs									badly brkn
											50'/15.24m				134/152 (-18)
			16			sh, as above									"
		15.16	10			grsh; extensively sheared; greenish-yellow oxide & hem along shear surfs									"

15.16

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	15.16		23			dkgrsh; coaly lam thur; sheading is common & same staining char along shear surfs as above									badly brkn
			27			csh; carb. sh & coal stringers thur; sheaving prevalent in top 10cm.									"
			2			crsh; carb. i/p									badly brkn
				.33							53'/16.15m				91/78 (13)
(10)			31			crsh; hem staining along vert fracs; coarsening down grdg to ssh									"
			25			vfs; ssh lam thur; bioturb									broken i/p
				59		Box 6									
			34			vfs, as above									solid
			3			CA									pulverized
		16.87	26			vfs, as above vfs; grdg to ssh; fining down									solid

1687

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 4

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	16.87		~35			crsh; hem staining along vert fracs; loc carb.									badly brkn
				72							58'/17.68m				153/154 (+1)
			37			crsh, as above									badly brkn
			31			ssh; hem staining along high angle frac; thinly bedded & vfs distributed thruc predominantly crsh host									brkn at bottom.
10						Box 7									
			~55			crsh; vert fracs & hem staining; occas coaly lam.									badly brkn.
			23			sh; carb. i/p									"
				44							63'/19.20m				152/146 (-6)
			21			sh, as above									"
			24			grsh; carb thur; loc silty; friable									badly brkn.
		19.70	57			sh; occas carb stringers; hem staining along vert fracs									solid

19.70

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 5

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	19.70		4			csh.; interlam. coal, sh & ssh									solid
10°			14			cs.; carb. stringers thin; fining down; hem stain along vert. frac									solid
						Box 6									
			~30			crsh.; cs. stringer @ 3cm									badly bkn
			~22			sh.; locally silty; carb. i/p; friable									"
				57							68'/20.73m				153/172 (+19)
			35			sh, as above									"
			~10			grsh; extensively sheared; greenish-yellow oxide along shear surfs									badly bkn
			14			sh; carb. i/p; occas. thin coaly stringers to 1 mm.									solid
			38			ssh.; occas. carb. horizons; bioturb.									"
(8)		21.90	43	56		vfs; grdg to ssh; bioturb. thin.									"

21.80

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 9									
	21.80		13			vfs, as above									solid
8°			5			fs; interbedded vfs & sshy; bioturb									"
				49							73'/22.25m				152/158 (+6)
			44			fs, as above									solid
			31			sh; silty i/p; thin carb. stringers thur; high angle fracs; hem staining									partly brkn
			4			gysh; thin (1mm) coal stringers thur									badly brkn
			7			fs, as above fs									solid
(6)			8			gysh; thin carb. stringers thur; hem staining along vert. fracs									"
		23.39	47			crsh; carb. pf thur									solid
				73							78.5'/23.93				168/141 (-27)

23.39

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 7

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	53.39		26			crsh, as above									solid
			6			fs; upper 3cm grades to ssh									"
				52		Box 10									
6°			46			fs; interbded ssh & crsh thuc; bioturb; occas carb peat matter & pf									"
			9			ssh; bioturb (worm burrows)									solid
			~75			sh; friable; hem staining along high angle fracs; concretions thuc									badly brkn
											845'/257.6m				183/162 (-21)
			45/50			crsh; carb i/p; hem staining along high angle & vert. fracs; carb pf thuc									badly brkn
				164		Box 11									
			119												
		26.65	~146			crsh, as above									badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											87'/26.52 m				76/190 (+114)
⑥															
	26.65		4			ssh									solid
7°			34			ms; x-bded; crsh. lam thuc									"
			31			vfs grdg to ssh; hem stain along vert. frac — frac. surf is a curved plane									solid
						Box 12									
			7			ssh; occas carb p.f									solid
			40			fs interbded crsh & ssh; biotuch; carb. pf thur									"
			19			ms; interbded crsh & ssh; carb lam thur top 11cm									"
		28.07	7			vfs; interbded ssh									solid
		28.19	12			ssh; hem staining along vert. fracs									"
											94'/28.65 m				213/154 (-59)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	28.19		21	} 33		ssh, as above									brkn
			20			fs; interbded vfs & ssh; bioturb									solid
			9			ssh; hemi staining along high angle frac									"
		29.02	33			sh; carb i/p; hemi staining alonghigh angle fracs									brkn
ROOF	29.02		2			CB									solid
			4			CA									"
(7)			4			c c; partially oxidized, peacock stain									"
			10			CB; some peacock stain, as above									"
			13			CA									"
				} 40		Box 13									
			27			CA									solid
			3			CD									badly brkn
			4			CB									brkn
			4			CC ; extensively sheared									"
		29.79	(6)			MC									

3022

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 10

B.C. N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3022										
											99'/30.18	RH			153/153 (0)
(7)			2			cD									brkn
FLOOR		29.84	3			cA									"
	29.84	30.19	~~38~~ 35			grsh; thin coaly stringers thur (1mm or less); hem stain along vert. fracs									brkn
			1			cA									brkn
(8)			12			crsh; carb i/p						1			solid
			16			fs; interbded crsh									"
			11			crsh									brkn
		30.63	4			csh; thin coally lam to 2 mm thur									brkn
			13 12			sh; carb pf thur; locally silty									partly brkn
		30.77	2			csh, as above									brkn

30.77

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	30.77		3			grsh; silty i/p.									solid
			25			crsh; carb pf thur; fossils (?)									"
			28			sh, occas. carb. pf; locally silty									solid
						Box 14									
											103.5'/31.55 m				137/158 (+21)
			83 81			ssh; ferruginous concretion nodules found scattered; carb. root remains.									solid
			~75 71			sh; locally silty; carb i/p.; friable									brkn at base
				96							109'/33.22 m				167/158 (-9)
			25			sh, as above									solid
			27			ssh; calc. along vert frac.									
				138		Box 15									
		34.48	113 11			ssh, as above; frac. c. calcite									
8'															

34.48

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 12

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											114'/34.75				153/165 (+12)
	34.48		20			fs; interbded vfs & ssh; bioturb & worm burrows									solid
		35.43	75			sh; silty i/p; loc. grdg to ssh									"
						Box 16									
	35.43		52			ssh; pyr + calc along high angle fvert fracs									basically solid
B				67							119'/36.27m				152/147 (-5)
			15			ssh, as above									solid
			32			crsh; high angle fracs									"
	36.42		6		NO SAMPLE	CB; peacock stained thur									solid
			3			CA									"
		36.56	(5)			MC									
			15			csh									bckn badly
		36.73	2			dkgrsh									bckn

36.73

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD8800

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			63												
	36.73	37.36	~65			crsh; hemi staining on high angle fracs; loc. sand									brkn @ top & bottom
						Box 17									
(8)															
			22			sh; friable; loc. silty									crumbly
				146							124'/37.80				153/160 (+7)
			124/125			sh, as above									basically solid
			31			fs; interlamin'd crsh									solid
											129'/39.32m				152/156 (+4)
			20			fs, as above									"
				470		Box 18									
14°		46.69	136			fs; interbded ssh & crsh; occas high angle fracs & hemi stain; loc. bioturb									basically solid
											134.5'/41.00m				168/156 (-12)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	40.69		72	↑		fs; interbded ssh.; bioturb.									solid
						Box 19									
(14)			87			fs, as above									"
											140'/42.67m				167/159 (-8)
			124			fs, as above; occas. carb pf									solid
						Box 20									
16'			29			vfs; interbded ssh;									Solid
				85							145'/44.20m				153/153 (0)
			56			vfs, as above; coarsening down									
			102			ms; interbded fs & ssh; rip-up clasts common @ 15-20 cm & 57-72 cm; occas. carb. pf; x-bded									solid
(7)				121											
											150'/45.72m				152/158 (+6)
		45.58	19			ms; occas rip-up clasts & carb pf. x-bded									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 15

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 21							
			186												
7°	45.58		187			cs; high angle x-bds; occ. rip-up clasts thur; carb pf									solid
											155'/47.24m				154/156 (+2)
			70			cs, as above; lacking rip-up clasts									basically solid
								Box 22							
			88			cs; x-bded; occas. carb pf									solid
				464							160'/48.77m				153/158 (+5)
			127			cs, as above									
								Box 23							
		50.06	27			v cs; carb. pf thur									solid
											165'/50.29				152/154 (+2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(7)	50.06	50.22	16			V.cs; as above					solid
11°		50.56	34			grsh; locally gradg to ccsh; abund coaly lam. thru, particularly in last 15cm; friable					badly brkn
		50.82	(26)		NO SAMPLE	MC					
	50.82		77			ssh. friable; loc. gradg to ccsh; occas carb lam. to 2 mm.					mostly solid
				82			170'/51.82m				153/127 (+26)
		51.64	5			ssh; thin whispy vfs stringers to 1mm thick					"
			34			fs; minor interbded ssh; vert calc line frac					solid
						Box 24					
(7)											
			121			fs, as above; carb. pf abund. in bottom 10cm.					solid
							175'/53.34m				152/160 (+8)
		54.07	88			fs; occas. hem-stained interbds in top 30cm; occas calc. pf top 8 cm)					"

50.60
50.56
F: CH

54.07

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 17

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 25					
7°	54.07	56.74	64	408		fs, grdg to ms; carb & ferug. interbds @ 38-47 cm, abund. carb pf @ 17-22cm					solid
							180°/54.86 m.				152/152 (0)
			101			fs, as above; ferug. interbds 44-67 cm; coal stringer @ 62-63 cm (probably carb pf.)					solid
			48			vfs; thin wlwispy sh. lams & rip-ups; high angle frac lined ± finely cryst. pyr.					solid.
						Box 26.					
				65							
			10			vfs, as above.					"
							185°/56.39 m.				153/159 (46)
			7			vfs; minor interbded ccsh.					"
			5			csh; friable					"
		56.74	32			vfs, coarsening down, grdg to fs; ssh lam & rip-ups thru; bioturb.					solid

56.74

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	56.74		105			fs grdg to ms; ferug interbds thur.					solid
							190/5791				152/149 (-3)
			52			fs, as above					"
				262							
						Box 27					
⑦			104			fs, as above					"
							195/5944m				153/156 (+3)
			1			fs, as above					"
8°			57			vfs; interbded ssh; loc grdg to fs					solid
			57			fs; bioturb; minor interbded vfs; each pf thur					solid
						Box 28					
				230							
		60.89	39			fs; loc grdg to ms, as above					solid
							200'/6096m				152/154 (+2)

60.89

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH-DDB001

PAGE No. 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(8)	60.89		134			fs; minor interbded vfs & ssh; occas, carb pf; high angle calc-lined fracs									brkn
			21			vfs; interbded ssh; occas carb lam									solid
											205'/62.48m				152/155 +3
			8	109		vfs; massive									"
						Box 29									
			80			vfs; loc grdg to fs; bioturb									basically solid
3°			56			fs; thinly lam. vfs @ top 20cm									brkn @ 17-28 cm; rest solid
											210'/64.01m				153/144 (-9)
			7			vfs: grdg to ssh; interbded ssh									brkn
			2			fs									solid
		64.62	65			ssh; friable; loc. pyr.									"
(9)															

64.62

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 20

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 30							
				↑ 153											
	64.62		88	↓		ssh, as above									brkn @ base
											216'/65.84m				183/152 (-31)
			~102			ssh; loc grdg to vfs/crsh.; friable									brkn
			15			vfs; massive									solid
								Box 31							
			2			ssh									badly brkn
9°			23			fs; occas ssh rip-ups; minor pyr.; pyr. + calc along vert frac									solid
			9			ssh; possibly volcanic ash; crumbled up									crumbly
											220'/67.06m				122/151 (+29°)
		67.06	.5			ssh, as above (when crumbled between fingers, powders to a grey flour)									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 21

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	67.06		152	237		ssh; friable									basically solid but crumbly
											225'/68.58m				152/157 (+5)
(9)			21			ssh, as above									"
								Box 32							
			50			ssh, as above									"
			5			vfs; clay matrix									solid
			~ 32			crsh; friable									totally crumbled
15°			8			vfs; low angle x-bdng; occas carb lam									solid
			3			ssh; friable									crumbled
		70.13	36			vfs, as above vfs; occas fracs which appear parallel bdng or depend. to bdng, lined c calc & pyr									solid
											230'/70.10m				152/155 (+3)

70.13

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 22

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	70.13		68			vfs, interbded ccsh & ssh thur; high angle calc + pyr (vert) frac.					solid
						Box 33					
			93	354		vfs, as above					brkn bottom 30cm
							235'/71.63m				153/161 (+8)
15°			99			vfs, as above; loc. pyr					mainly solid
						Box 34					
			58			vfs; interbded ccsh & ssh thur; black sh intrbds 18-20; 23-25 & 27-28; bioturb y/p; low angle x-bding					solid
(11)							240'/73.15m				152/157 (+5)
		74.78	147			vfs; abund ccsh & ssh interbds thur; bioturb; low angle x-bds					madly solid
						Box 35					

74.78

DRILL CORE LOG

Quintette Coal Limited

HOLE No. 84D88001

PAGE No. 23

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	74.78		9	242		vfs, as above					solid
							245/74.68m				153/156 (+3)
11°			86			vfs, as above					"
			19			ssh; predominantly a black carb sh ≤ thinly interbded vfs thur; prominant vfs bed @ 13-15 cm					mostly solid
			47			vfs; interbded ssh thur; bioturb; low angle x-bd					solid
(9)							250'/76.20m				152/157 (0)
			22			vfs, as above; occas carb pf					brkn @ top 10 cm
						Box 36					
			91	251		vfs; loc gidy to fs; occas interbded ssh; carb pf thur					mostly solid
		77.77	25			vfs; extremely frac thur ≤ calc cement; abund s/s; extremely deformed beds; fault					badly brkn

77.77

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 24

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	77.77		66			vfs, as above; abund carb sh. thur; extremely frac'd calc infill; abund s/s thur; fault zone					brkn (FAULT)
			(7)			MR					
						Box 37					
			43			vfs; interbdded crsh; extremely frac'd calc infill as above; shearing evident; s/s present (appears to be bottom of shear zone)					"
				64							
			21			vfs, grdg to ssh; calc-lined vert frac; abund interbdded ssh. thur					mostly solid
			22			fs grdg to vfs; low angle x-bding; occas carb pf					solid
							260/7925				305/290 (-15)
			26			vfs; abund. interbdded ssh; bioturb					basically solid
			19			fs; bioturb; occas. carb. pf					solid
90 ↓		80.32	51			vfs; minor interbdded crsh; occas carb pf					"

80.25 80.32

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 25

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	80.32		8			ssh.; friable; predom. crsh to thin (0.5cm) vfs interbds									brkn
			10			vfs, as above									solid.
						Box 38									
			34	147		vfs; interbded black carb sh. thin; occas carb pf.									basically solid
											265'/80.97m				152/148 (-4)
7°			103			vfs; loc. pyc; occas black carb sh. interbds									mostly solid, brkn @ top
			5			sh; carb i/p; black in colour; friable									solid
			5			vfs, as above									"
			10			sh, as above									brkn.
			9			vfs; interbded crsh thur									
		82.23	(7)			MK									

82.09 82.23

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 26

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											270'/82.30m				153/132 (-21)
	82.23		13			vfs, as above; bioturb; high angle calc-lined frac									solid
						Box 39									
			56	188		vfs; abund black carb sh interbded thur; bioturb; loc grdg to ssh									solid
			87			vfs; minor interbded ssh; occas high angle (nr. vert) calc-lined frac									" ; brkn @ 12-26 cm
											275'/83.82m				152/156 (+4)
(7)															
			32			vfs; massive									solid
			4			sh; carb i/p; friable									brkn
13°		84.42	27	109		vfs; interbded sh, as above from 9-27cm									solid
						Box 40									

~~84.28~~ 84.42

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 27

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	84.42		82	↑		vfs; interbded carb sh @ 22-32 cm; occas carb pf									brkn fr 47-60 cm
											280'/85.34m				152/145 (-7)
			11			fs; interbded sh thur; carb pf thur									solid
(13)			5			sh; carb i/p; friable									brkn
			35			vfs; minor interbded crsh; occas pf; low angle x-bds									solid
			50			ssh; predom. crsh - carb. sh with lesser amts of vfs, interbded; bioturb									mostly solid
			6			fs; ssh rip-up clasts thur					-				solid
			12			vfs; interlam'd crsh; low angle x-bds									"
				50		Box 41									
16'		86.81	38			vfs; interbded crsh & fs; carb pf thur; bioturb									brkn
											285'/86.87m				153/157 (+4)

86.67 86.81

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88401

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
11°	86.81		155			vfs, as above; loc. grdg to ssh; 5 cm sh. interbd @ 130-135 cm					broken in places
						Box 42					
							290'/88.39m				152/155 (+3)
	88.36		61			vfs; interbded ssh; occas carb pf; occas rip-ups; low angle x-bds					basically solid
			9			ssh; carb i/p					solid
	89.06	89.21	15			cgl; pebbles to 2cm					"
ROOF	89.21		5		3023	CA; traces of pyr					solid
			15			CB; traces of pyr					solid
(11)			10			CB; "					"
			9			CC; traces of pyr					"
FLOOR		89.64	(4)			MC					
	89.64		4			dkgrsh; silty i/p; coal lam to 2mm					"
			4			csh					"
		89.80	8			ssh; carb. & occas coal stringers to 3mm					"
		89.80									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 29

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											295'/89.92m				153/140 (+13)
	89.80		2			dkgrsh; coal stringers thur									solid
		89.84	(2)			MR									
	89.84		2			CC; fusinite, highly reflected									brkn
			1			dkgrsh									"
			24			csh; coal stringers to 1cm thur; predom sh. host									brkn
ROOF	90.11		(20)			MC									
FLOOR		90.34	3			CB; highly reflective									"
			11			dksh; coaly stringers (occas.)									"
			(7)			MR									
(11)	90.56		3			csh; coal stringers to 1mm thur									brkn
			9			grsh; carb pf thur; silty i/p									solid
						Box 43									
		90.68	4			csh; coal stringers & lenses to 1cm									solid
		91.50	82			crsh; occas carb pf									basically solid
											300'/91.44m				152/140 (-12)

91.50

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 30

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			118												
	91.50		119			crsh, as above									mostly solid
						Box 44									
			41			crsh; friable; loc. carb.									crumbled, cel. solid
											305/92.96m				152/160 (+8)
			152			crsh., as above									"
(11)				524							310'/94.49m				153/152 (-1)
			11			crsh; loc. grdg to ssh; friable									relatively solid but crumbled
						Box 45									
			150/161			crsh, as above									"
											315'/96.01m				152/162 (+10)
↓		96.74	52			crsh., as above; grdg to ssh; bioturb.									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH-8900

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 46							
↑	96.74		66			ssh; bioturb									basically solid
			23			vfs grdg to ssh; clay matrix; massive									solid
											320'/97.54m				153/142 (-11)
			100			vfs, as above									"
				231				Box 47							
			to 61			vfs; interbded ssh; bioturb i/p									brkn @ base
											325'/99.06m				152/161 (+9)
18°			48			vfs, as above									basically solid
			81			fs; interbded vfs & ssh; bioturb i/p; abund calc veins from 23-39 cm									solid
		100.65	13			vfs grdg to ssh									"
			100.69												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 32

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	100.65		7			fs; low angle x-bding									solid
						Box 48									
(18)				163							330'/100.58m				152/149 (-3)
			152			fs, as above; interbded ssh; loc grdg to vfs									solid
											335'/102.11m				153/152 (-1)
			4			fs, as above									"
			44			ms; massive									"
				46		Box 49									
			2			ms, as above									solid
(26)															
			38			fs; loc grdg to ms; interbded ssh; abund rip-up clasts bottom 6cm.									"
		103.19	7			vfs; carb lam thru									"

103.22

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 33

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
26'	103.19		14			fs; interbded vfs ssh					solid
			49			ms grdg to cs; high angle x-bdng					"
				168			340'/103.63m				152/110 (-42)
			100			ms, as above					solid
						Box 50					
			19			ms, as above; 3 mm coal stringer @ 7cm					solid
			33			cs; occas carb pf; x-bded					"
				88			345'/105.16m				153/152 (-1)
			55			cs, as above; loc grdg to v.cs; generally coarsening down					solid
(8)											
		106.79	90	↓		v.cs; interbded cs; high angle x-bds; coarsening down					"
							350'/106.68m				152/145 (-7)

106.85

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 34

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	106.79		11			v.cs, as above									solid
								Box 51							
			1.47			v.cs, as above									"
											355/108.20				152/158 (+6)
			.72			v.cs, as above									"
								Box 52							
8°			76	556		v.cs, as above; carb lam @ 40-41cm									solid
											360/109.73m				153/148 (-5)
			147			v.cs, as above									"
								Box 53							
		111.45	13			v.cs, as above									"
											365/111.25m				152/160 (+8)
			111.49												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 35

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	111.45		15.1			v.cs; becoming cgl'itic bottom 15cm					solid
							370'/112.78m				153/151 (-2)
			32 35			v cs; cgl'itic i/p; high angle x-bds					badly brkn fr 22-33cm
						Box 54					
			120			v.cs; locally cgl'itic ē pebbles to 0.5cm; high angle x-beds					mostly solid.
(8)							375'/114.30m				152/153 (+1)
				623							
			69			v. cs, as above					solid.
						Box 55					
			74			v.cs, as above					solid
							380'/115.82m				152/143 (-9)
		117.28	137			v.cs; increasingly cgl'itic; cgl bands thuc ē pebbles generally ≤ 0.5cm					"

117.3'

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 36

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 56					
	117.28		21			v.cs; cgl'itic, as above					solid
							385'/117.35m				153/158 (+5)
			19			v.cs, as above					"
			6			cgl; arch pf thuc					"
(8)			12			cs; x-bded; minor carb pf thuc					brkn
			12			cgl; pebbles to 1cm					solid
			99			v.cs grdg to cgl; clasts generally ≤ 3mm					"
							390'/118.87m				152/148 (-4)
			29	183		v.cs, as above; x-bded					solid
						Box 57					
↓		119.81	55			v.cs, as above					"
			119.86								

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 37

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	119.81		72			cgl; pebbles to 1cm; generally ≤ 0.5cm; occas carb pf					solid
							395'/120.40m				153/156 (+3)
			82	318		cgl pebbles to 1cm; generally ≤ 0.5cm					"
						Box 58					
			68			cgl, as above (generally appears to coarsen down)					solid
(10)							400'/121.92m				152/150 (-2)
			96/97			cgl; pebbles to 1cm, gen ≤ 0.5cm; occas. carb pf; cs lens from 41-51cm ± abund carb pf thur;					mostly solid
			45			cs; x-bded; occas. rip-up clasts					solid
						Box 59					
		123.62	18	↓		cs, as above					solid
							405/123.44m				152/160 (+8)

128.68

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 39

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
10°	123.62		143	274		cs; loc. grdg to vcs; x-bded; occas. crsh. interbds to 2 cm									solid
											410'/124.97m				153/143 (-10)
			45			cs, as above									"
						Box 60									
			23			cs, as above									"
			4			ssh; carb									brkn
			85			cs; x-bded; occas. crsh. interbds, as above; 1cm crsh. @ base									solid
				204							415'/126.49m				152/157 (+5)
		127.49	87			cs, as above; calc. filled frac @ 87cm, 0.5cm wide;									solid
						Box 61									

127.55

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDA8001

PAGE No. 39

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(10)	127.52		32			cs, as above; pyr. along high angle frac.					solid
3°			28			ms; interbded fs & crsh; x-bded.					"
				59			420'/128.02m				153/147 (-6)
			31			ms, as above					solid
			113/114	1							
						fs; loc grdg to vfs; bioturb @ 38-114cm; abund carb. coat matter; pl from 38-114 cm					bckn from 79-96 cm
						Box 62					
			15			fs; bioturb					solid
				312			425/129.54m				152/160 (+8)
7°			142			fs; interbded vfs & crsh; bioturb;					mostly solid
							430'/131.06m				152/142 (-10)
		131.52	47			fs; minor interbded vfs					solid

DRILL CORE LOG 131.59

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 46

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY . DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 63							
↑	131.52		110			fs; interbded vfs & ssh; loc. coal									solid
											435'/132.59m				153/152 (-1)
			110			fs; as above; x-bded									"
								Box 64							
12°			49	425		fs, as above									solid
											440'/134.11m				152/159 (+7)
			156			fs, as above; grdg to vfs; appears to fine downwards									"
											445'/135.64m				153/156 (+3)
								Box 65							
		137.21	144	↓		vfs, grdg loc. to ssh									solid
											450'/137.16m				152/144 (-8)

137.28

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 41

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	137.21		69			vfs grdg to ssh; carb									solid
						Box 66									
			93	309		vfs, as above; coaly bleb @ 72-75 cm									solid
(12)											455'/138.63m				152/162 (+10)
			3			vfs, as above.									"
			41			ssh; carb; loc pyr; grades to vfs									"
			17			vfs; bioturb; coallets thur									solid
10°			21			grsh; carb; silty i/p									"
			11			grsh; minor carb pf thur									"
			2			csh									"
		139.78													
		140.03	25			grsh; loc silty; thin (≤ 1mm) coaly lam. thur									"
						Box 67									
			140.10												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	140.03		5	} 30		grsh, as above									solid
			18			dkgrsh; thin coal lam thuc to 1mm.									"
		140.20	2.			CD									brkn
ROOF						~~DC~~									
											160'/140.21a				153/145 (-8)
	140.28	140.30	2			CB									solid
	140.30	140.35	5			csh									brkn
(10)			3			CB									"
			2			CC									"
			12			CA									badly brkn
			(16)			MC									
			2			CB									brkn
			3			csh									solid
		140.77	4			CA									brkn
			2			CD									"
		140.82	3			csh									"

3024

3025

140.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 43

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
FLOOR	140.82	140.88	6		3025	CD grdg to csh									brkn
	140.88		2			dksh grdg to csh									solid
			6			CD									brkn
141.16						"									
141.01		141.16	20			dkgrsh									partly brkn
ROOF	141.16		21		3026	CA									brkn
			22			CB									" (at top)
			14			CA									solid
			4			CB									"
(10)			2			CD									"
			(6) 1			MK csh									"
			4			ssh ē csh lam thin; carb; grdg to vfs									"
	141.80		5			CB									"
											465'/14.73m				152/134 (-18)
			14			CA									solid
						Box 68									
			1			CB									brkn
			2			CD									"
			1			CA									brkn
			3			CD ; sandy stringers									"
		142.07	1			CB									"

DRILL CORE LOG

142.07

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 44

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	142.07		~3			CC									badly brkn
			~3			CB } bands of clean coal & shaly coal; rock too									"
			~4			CA } broken for accurate log									"
			2		3026	CC									brkn
7.06			3			CA									"
			2			CB									"
			5			CA									"
			6			CB									partly brkn
FLOOR		142.41	6			CA									badly brkn
	142.41		1			CD									solid
			11			csh									"
			2			CC									"
			~~12~~ 11		3027	csh									solid
(18)															
			~~12~~ 11			grsh; silty i/p									"
			~~9~~ 8			dkgrsh									mostly solid
		142.91	6			csh									solid mostly
ROOF	142.91		13			CA									mostly solid
			9			CC									"
			5		3028	CB									"
		143.25	7			CA									"

143.25

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 45

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
	143.25		12		3028	CB									mostly solid
											470/14326m				153/161 (+8)
			(3)			MC									
			3			CB									solid
FLOOR		143.48	5			cc									"
	143.48		3		3029	csh									
			4			dkgrsh; carb. pf thur									"
			15			grsh; silty i/p; plant fossils thur									solid
			2			cc									brkn
		143.74	2			csh									"
ROOF	(10) 143.74		3		3030	cB									badly brkn
		144.03	(26)			MC									
	144.03	144.12	9			csh									brkn
	144.12		8			CB									mostly solid
						Box 69									
			7			cA									solid
			7			cB									"
		144.30	2			csh									

144.30

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 46

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3030										
	144.30		3			CA									bckn
(10)															
			3			CD									mostly solid
FLOOR		144.38	2			CC									"
	144.38	144.49	11		3031	csh; fine coal lam thuc; a predom. sh host									solid
(12)			3			dkgrsh									solid
		144.91	39			grsh; carb plant fossils thuc; some shearing evident									"
			10			crsh									"
			(5)			MR									
											475/144.78 m				152/135 (-17)
			126			crsh; loc. carb, grdg to grsh.; loc. pyr.									solid
				139		Box 70									
		146.45	13			crsh, as above									"
											480/146.30 m				152/139 (-13)

146.45 146.4

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 47

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	146.45		111			csh, as above									solid
			3			gcsh; carb. pf thur									"
			6			dkgcsh									solid
		147.76	11			csh; thin coal lam to 1mm thur									mostly solid
ROOF	147.76.		4		3032	CC									solid
↑ 10 23 ↓			3			CA									solid
			(8)			MC					485'/1478.3m				153/138 (-15)
			3			CB									brkn
(12)			2			CC									"
			2			csh									brkn
			4			CB									
			1			csh									"
FLOOR		148.16.	10 3			CB; grading to CC CD									solid
	148.16		4		3033	csh									"
			5			vfs; carb. thur; grdg to ssh									"
			16			CD									basically solid
			4			csh									"
				8		Box 71									
		148.39	4			csh, as above									brkn

148.39

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QNH88001

PAGE No. 48

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	148.39	148.50	(11)		3033	MR.									
ROOF	148.60		32			CB									brkn
			~24			CA									badly brkn
			(45)			MC									
					3034						490'/149.35m				152/104 (-48)
			~40			CA									badly brkn thur
			4			CD									
			14			CB									badly brkn thur
			2			csh									brkn
			4			CB									"
			2			csh									brkn
		150.22	5			CA									"
	150.22		16		3035	dkgrsh									solid
			5			csh									
(12)			14			dkgrsh; cooly lam. thur									"
		150.54	(7)			MR									
	150.54		4		3036	CA									pulverized
			(29)			MC									
						Box 72									
											495'/150.88m				153/100 (-53)
		150.99	12			CA									brkn
	150.99	151.02	3			dksh									"

151.02

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH85001

PAGE No. 49

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	151.02		4			CA									brkn
			(150)			MC									
			~9			CB									brkn rubble
		152.68	~3			CC-CD									"
											500'/152.40m				152/31 (121)
	152.68	152.86	4 (14)		3036	csh (MR) FAULT @ 152.65									brkn
	152.86		(151)			MC									
			3			CB									brkn to pulverized
(12)			3			CC									solid
			2			csh	F2L Repeated section								"
			10			CA	- see Correlation w QHD84003								
			4			CD									basically solid
FLOOR		153.62	3			CA									
	153.62		26			dkgrsh; coaly lam thruc to 2mm									"
			32			grsh; carb thuc; loc. silty									solid
											505'/153.92m				152/87 (-65)
			2			CB									badly brkn
		154.44	2.2m			grsh									mostly solid

154.44

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 50

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	154.44	154.62	18			dkgrsh ; carb pf thur									mostly solid
			17			fs ; ssh lam thur ; carb									solid
				47		Box 73									
			35			fs ; carb ssh lam thur									"
			15			vfs ; carb pf thur ; interbded carb ssh									"
12°			16			ssh ; thin coal lami to 2mm thur ; occas pyr concretions									solid
			5			dkgrsh									"
			2			grsh ; occas thin coal stringers to 1mm									"
			6			crsh ; carb ; occas coaly stringers to 2mm									"
			?	35							510'/155.45m				153/133 (-20)
		155.82	29			crsh ; carb i/p									solid

155.82

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 51

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	155.82		3			grsh; silty i/p					solid
(12)											
			11			dkgrsh; coaly bands to 5mm thur					"
↓											
↑			38			vfs grdg to ssh; carb. i/p; fining down					solid
			~37			ssh; carb & occas thin coal lam to 1mm					bckn
			(70)	1		1:1					
						Box 74					
			33			vfs; interbded ssh thur; some bioturb					solid
				40			515'/156.97m				152/151 (-1)
			7			vfs, as above; grdg to ssh					solid
(13)											
			34			ssh; loc. carb					"
		158.72	107			vfs; loc. grdg to fs; cryst. calc. along high angle fracs; interbded ssh; loc. carb					"
				136							
							520'/158.50m				153/148 (-5)

150.17 158.52

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 52

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	158.72		29	↑		vfs, as above									solid
						Box 75									
			72			fs; interbded vfs & ssh; carb pf & root matter thur; bioturb									solid
13°			55			vfs; carb plant fossils thur									"
				96							525'/160.02m				152/156 (+4)
			41			vfs, as above									"
			33			fs, grdg to vfs; extensively bioturb; calc. lines high angle frac.									solid
						Box 76									
			79			fs, as above; interbded vfs & ssh.									solid
				241							530'/161.54m				152/153 (+1)
		162.97	116	↓		fs, as above									solid

162.97 162.77

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 53

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 77							
(13)															
	162.97		13			fs, as above									solid
			42			vfs; bioturb; carb sh lam & abund fossilized pf									solid
											535/163.07 m				153/171 (+18)
11°			136			vfs, as above; loc. grdg to fs									Solid
											540/164.59 m				152/136 (+16)
								Box 78							
			160			vfs; grdg to ssh.; bioturb (extensively) thruout; carb sh interbds & abund pf									"
				667							545/166.12 m				153/160 (+7)
			48			vfs, as above									
								Box 79							
		167.92	96			vfs, as above; interbded fs									"

167.92 167.72

DRILL CORE LOG

Quintette Coal Limited

HOLE No. Q

PAGE No. 54

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											550/167.64	m			152/144 (-8)
	167.92		109			vfs gdg to ssh; bioturb thur, as above									solid
								Box 80							
			52			vfs; interbdd ssh; minor interbdd fs, as above									solid
(11)											555/169.16	m			152/161 (+9)
			24			vfs, as above; occas calc-filled fracs; some evidence of shearing (s/s)									"
			8			ssh; bioturb; min calc-filled fracs									"
13°			12			fs; min. interbdd ssh; calc-filled fracs thur (chaotic)									solid
			80			ms; x-bdd; carb. matter along dkgr lam's									"
			6			sh; fissile									"
		170.89	6			ssh									"
		170.89	170.69												

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 55

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	170.89		11			ms, as above ms					solid
				12			560'/170.69m				153/147 (-6)
			1			ms, as above					"
			7			ssh; coal i/p					"
						Box 81 (all coal seams solid in this box)					
(13)			22			crsh.					solid
			13			sh; loc. silty					"
			1			gcsh; coalified pf thru					"
ROOF	171.44		9			CA					solid
			7			CB					"
		171.63	3			CA					"

3037

171.63

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 56

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	171.63		11			CB									solid
			32		3037	CA; basically a dull lustre to coal = bright vit. bands to less than									"
97															
			8			CB									"
		172.17	3			CA									"
(13)			7			csh									solid
			6		3038	CC									"
			5			dkgrsh									"
			1			CB									"
FLOOR		172.41	5			CA									"
	172.41	172.51	10		3039	grsh; carb matter thin									solid
											565'/172.21 m				152/151 (-1)

172.51

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 57

BCIN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	172.51		47		3039	csh; carb l/p; carb pf, thur									solid
			9			gash; occas. thin coal lams to 5mm									solid
				12		Box 82									
91			3			gash, as above									solid
			11			dk gash									"
(13)		173.23	2			csh; coal lams to 2mm thur									"
ROOF					3040										
	173.23		9			CA									"
			1			csh									
			(1)			MC									
		173.43	3			CA									"
					3041										
	173.43		1			CP									"
			3			csh									"
		173.49	2			dk gash									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3041										
	173.49	173.56	7			sh; carb matter thur; silty i/p									solid
		173.58	2			dksh									"
	173.58'		20			CB									"
			6		3042	CA									"
		174.04	20			CB									"
(13)											570/173.74m				153/146 (-7)
	174.04		5			grsh; carb thur									solid
		174.12	3		3043	csh									"
	174.12		3			cc									"
			(5)			MC									
FLOOR		174.20	2			CB									"
	174.20		3		3044	sh; carb; silty i/p									"
			(3)			MK									
		174.56	30			grsh; carb i/p; abund carb pf thur; loc silty									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD88001

PAGE No. 59

	BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
ROOF																
		174.56		7			CB									Solid
				5			CA									"
				1			csh									"
				4			CA									"
				4			CB									"
				2			CA									solid
				7			CB									"
	(13)			8			CA									"
				5			CB & occas. thin CD/csh. laminae to 0.5 cm									"
				14			CA									"
				(9)			MC.									
13 FLOOR	↓		175.35	13			CA									pulverized.

3045

Box 83

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHDB8001

PAGE No. 60

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑															
	175.35		2			dkgrsh									solid
			7			grsh									"
			2			dkgrsh									"
			6			grsh									"
(17)			(9)			MR					575/175.26 m				152/133 (-19)
		175.88	27			sh; occas coal lams to 25cm; loc silty									solid
			9			dkgrsh; thin coal lams to 2mm thic									"
			15			grsh									"
			68			sh; loc silty; grdg to grsh ± occas coal lams ≤ 1mm									solid
			15			dkgrsh; coal lams to 2mm thic									"
		176.88	2			dksh; increasingly carb									"

176.97 176.88

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 61

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	176.88		15			gssh; coal lam to 1mm flaser									solid
											580/176.78 m				152/151 (-1)
			8			ssh; carb i/p									
						Box 84									
	177.20		30			vfs; biotitic; interbded ssh									solid
			20			ssh; carb i/p									"
(17)															
			3			sh; carb i/p; coal lam to 2mm									"
			6.0			ssh; occas carb pf; minor interbded vfs									"
			24			vfs, interbded ssh									"
			7			fs									"
		178.70	6			vfs, ssh, lam & carb pf									
											586/178.3 m				153/158 (+5)

178.70 178.61

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 62

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	178.~~61~~ 70		1	↑		vfs, as above									solid
			6			ssh; minor carb mat. thur									"
			15			vfs; loc. grdg to ssh									"
17°			15			fs; interbdded vfs									"
			21			ssh; minor interbdded carb sh									"
						Box 85									
		180.08	80			vfs; interbdded ssh; minor interbdded fs; bioturb; loc. carb									solid
			4			ssh; coaly stringers thur; stringers appear to be chaotically orientated									solid
			16			MR					590'/1798				152/142 (-10)
		180.38	10			grsh grdg to csh; irreg lenses & stringers of coal									badly brkn.
	180.38	180.77	39			MC									
	180.77	181.05	28			crsh; carb i/p.									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 63

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	181.05		4			grsh; increasingly carb					solid
		181.33	24			crsh; as above crsh					"
			46			ssh; carb pf thin					"
				58		Box 86					
			12			ssh, as above					solid
			20			vfs, grdg to ssh; carb pf thin					
(17)							595'/181.36 m				153/144 (-9)
			8			crsh; carb i/p					solid
			139			ssh; loc grdg to crsh; carb pf thin					
				238			600'/182.88				152/147 (-5)
		183.87	29			ssh, as above					
						Box 87					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(17)															
*	183.87		70			ssh; lac grdg to vfs; locally carb.									solid
			59			vfs; intclded ssh; carb pf thru									"
			1			crsh									
											605/1840 m				152 159 (+7)
			51			vfs; interbded crsh; chaotically frac. to calc. infill from 30-93 cm									solid
			33			ssh									"
(14)				44		Box 88									
			11			ssh, as above									solid
			7			crsh									"
			6			ssh; fissile									"
		186.60	35			vfs; interbded ssh; carb pf thru									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 65

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							610'/186.93				153/143 (-10)
	186.60		35	70		vfs, as above					solid
		"	6			sh					"
			46			vfs, interbded ssh; occas carb pf; occas calc veins // parallel bedding; 1cm calc vein @ base					"
			2			crsh; carb i/p					badly brkn
14°			53			vfs grdg to fs; interbded ssh; occas carb pf					solid
						Box 89					
			9			fs; interbded vfs & ssh; carb pf along ssh lam					solid
(16)							615/187.45m				152/151 (-1)
		189.63	152			fs, as above; loc grdg to mst					"

189.63

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88001

PAGE No. 66

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											620/188.98m				153/152 (-1)
				191											
16°	189.63		30			fs, as above; grdg to vfs									solid
			22			crsh; occas. carb plant remains									"
						Box 90									
			113			ssh grdy to vfs; carb i/p									solid
											625/190.50m				152/165 (+13)
			79			crsh; loc sandy; fissile									solid
			27			sh; dkgy to black; fissile; carb i/p									"
				31		Box 91									
															"
		192.38	4			sh, as above									
			14			crsh									"
		192.66	14			gssh									"

192.66

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88001

PAGE No. 67

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	192.66		4			sh									solid
			10			grsh; m-vf. sandy lam.									"
											630/192.0 2m				152/152 (D)
		192.93	13			ssh; carb. thin									solid
ROOF															
	192.93		6			CB									"
			2			CD									"
(16)															
			9			CB									"
			12			CA									solid
			1			CC									"
			10			CA									pulverized
					29										
			19			CA									solid
		193.55	3			csh									"

30417

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 68

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	193.55		8			CB									brkn
			7			CA									solid
				16											
			9			CA									brkn
			16			CB									solid
			2			csh.									"
			1			CC									"
(16)			2			CA									solid
			5			CC									"
			26			CA									brkn
							Box 97								
				34											
											635/193.5.5m				153/151 (-2)
		194.39	8			CA									solid
			194.39												

304.7

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 69

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3047										
	194.39		9			CB									solid
			10			CA									"
			7			CC									"
			3			CA									"
			7			CC									"
			45			CA									"
			8			CB									"
(16)			14			CA									solid
			3			CB									"
			28			CA									"
			2			CSh									"
		195.69	4			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 76

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											640/185.07m				157/138 (-19)
	195.69		6			CB									solid
			7			CA									"
			9			CB									"
			46			CA									"
								Box 93							
(16)			4			CB									solid
			47			CA									"
			3			CB									Bikn
			19			CA									"
19			5			CB									brk. to pulverized
		197.29	14			CA									"

30ft

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 71

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
(16)					3047						645/196.60m				153/160 (+7)
	197.29		28	42		CA									brkn
FLOOR		197.63	6			CB									"
			8			dkgrsh									solid
			4			grsh									"
			8			csh									"
			5			dkgrsh									"
(12)			50			vfs c̄ interbded crsh & ssh; carb; carb pf thur									"
								Box 94							
		198.76	38			vfs, as above									solid
											650/198.1m				152/147 (-5)

198.76

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 72

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
				196											
12°	198.76		108			vfs, as above									solid
			48			fs; interbdd vfs & ssh; each pf thur									"
											655/199.6 m				152/156 (+4)
			22	161		fs, as above									"
								Bar 95							
			91			fs; bioturb; interbdd vfs & ssh; occas carb pf									solid
			37			vfs; interbdd ssh									"
			3			fs; interbdd vfs									"
				11							660/201.7 m				153/153 (0)
			8			fs, as above									solid
		202.26	33			vfs; [illegible] interbdd fs; interbdd ssh & carb pf									"

202.26

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 73

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	302.26		11			fs; interbded vfs									solid
			38			vfs; loc gldg to ssh; carb pf thru									"
				41				Core 96							
			8			vfs as above									solid
			15			fs; x-bded; interbded vfs									"
			11			vfs									"
(12)															
			21			fs; carb. root & plant remains									"
			20			vfs; x-; carb pf									"
				90							465/202.9m				152/160 (+8')
			70			vfs, as above									solid
			6			fs; x-bded									"
		304.31	10			ssh									"
(11)															

304.31

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QH88001

PAGE No. 74

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
11°	204.31		11			vfs									solid
			39			fs; interbded vfs & ssh; carb. pf									"
								Box 97							
				57											
											670/204.23m				153/136 (-17)
			18			fs									solid
			30			vfs; interbded ssh; carb. pf thin									"
			12			ssh; carb. pf thin									"
			20			arsh; carb pf thin									solid
			20			dkgrsh; thin (to 1mm) coal lam. thin									"
			8			dksh									"
		206.01	4			csh; coal lam to 2mm thin									"
ROOF	206.01	206.06	5		3048	CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 25

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	206.06		3			dkgrsh									solid
			1			csh									"
			3			CD									"
			2			CB									"
			4			dkgrsh									solid
			1			CD									"
(11)			4			dkgrsh									"
			1			CB									"
			1			csh									"
			2			CB									"
											675/20574 m				152/147 (-5)
		206.41	13			dkgrsh									solid

30.48

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD88001

PAGE No. 76

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	206.41		4			cc									solid
			1			cA									"
			2			cc									"
			17			cB									solid
(11)			11			cA									-top zone broken
			5			cD; grdg to csh									solid
						Box 98									
			(32)			MC									
FLOOR		207.20	7			cB									pulverized
	207.20		7			dk grish; carb pf thur									solid
			65			csh; sandy i/p; carb pf thur									"
				92							680/2022 m				152/132 (-20)
		208.19	27			csh, as above									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 77

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	208.19	208.42	23			dkgrsh; carb pf & coal lami to 2mm thur									solid
ROOF	208.42		7		3050	CB									"
			5			dksh									"
			1			CC									"
			5			CB									solid
			2			CA									"
			5			CB									"
(11)			4			CC									"
			2			dkgrsh									"
			6			CC									"
			5			CB									"
		208.90	6			CA									"

208.90

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 78

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3050										
	208.90		5			esh									solid
			1			CD									"
			6			CA									"
			"					Box 99							
			5			CA									solid
			1			CD									"
(11)			3			CA									"
			3			CB									"
			4			CC									"
			5			CA									"
			(10)			MC					685/208.79 m				153/131 (-21)
		209.36	3			CB									
FLOOR															

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 79

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	209.36		3			grsh									solid
			10			ssh; carb; carb. pf thin									"
			24			fs; interbded vfs; carb. pf thin									"
			13			vfs; grdg to ssh; carb pf thin									"
			21			grsh; abund. carb pf thin									solid
(14)			11			grsh; occas. coal lam; abund. carb pf thin									"
			23			crsh; grdg to ssh; carb									"
			13			fs; interbded vfs; carb pf thin									solid
			22			vfs; interbded ssh; carb. pf thin									"
				54							690/210.3	lm			152/143 (~9)
			32			vfs, as above									"
		211.23	15			grsh; abund carb pf thin									"

211.23

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QHD88001

PAGE No. 80

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 100							
	211.23	211.60													
		"	37			sh; loc carb.									solid
ROOF	211.60		2			cb									brkn
			(15)			MC.									
		211.77	2			csh									"
	211.77		11			dksh; abund coal lam to 2mm thkr									solid
(14)			74			sh; carb & occas coal stringers to 2mm thkr									"
			3			dkgrsh									"
FLOOR	212.67	212.69	2			CA									solid
			4			dkgrsh									"
			15			grsh									"
		213.21	39			ssh; predom a dark, carb sh & abund fine to med. grained sand thkr									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD88001

PAGE No. 81

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	2132		7			vfs; interbded ssh thur									solid
			3			csh									"
			33			vfs; carb; interbded ssh; abund carb pf thur									"
				48		Box 101									
			15			vfs, as above									solid
			6			fs, interbded vfs ssh; carb; abund. carb pf thur									"
				12											
											700/2038m.				305/294 (-11)
14°			6			fs, as above									solid
			91			vfs; interbded fs ssh; carb & abund carb pf thur									"
			30			fs; interbded vfs ssh; carb pf thur									"
		215.40	28			vfs, as above vfs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 82

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											705/214.88m				152/155 (+3)
	215.40		23	51		vfs, as above									solid
(14)			6			fs; abund. carb. pf thur									"
				9				Box 102							
			3			fs, as above									solid
			33			vfs; interbded fs & ssh; bioturb; carb									"
			8			ssh; interbded vfs; carb									"
*	216.13		79			ms; abund. carb. pf thur; calc. fills small fracs									"
(10)				170											
											710/216.41m				153/152 (-1)
		217.83	91			ms; abund. calc. filled, high angle fracs thur									solid
								Box 103							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 83

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	217.83		74			ms; massive; occas clay-bearing bands									solid
				214							215/217.93				152/165 (+13)
			140			ms, as above; clay-bearing bands increasing in freq.									solid
				i							220/221.46 m				153/140 (-13)
						Box 104'									
10°			155			ms; hem-stained clay-bearing bands v prominent thur									solid
											225/220.93				152/155 (+3)
			61	307		ms, as above									"
						Box 115'									
		223.04	91			ms, as above; sand appears to weather a greenish-brown colour									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 84

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			/								730'/222.50				152/157 (0)
	223.64		130			ms; iron-stained clay bands decreasing in frequ.									solid
								Box 106.							
			28			ms, as above									solid
(10)				344							135/224.03 m				153/158 (+5)
			147			ms; massive; iron-stained clay bands increasing [illegible]									solid
											740/225.55 m				152/147 (-5)
			39			ms, as above									solid
↓															
↑								Box 107							
14°		227.64	116.	↓		ms; occasional iron-stained clay-bearing band									
											745/227.08 m				153/155 (+2)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 85

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
			96			ms, a.a. above									solid
								Box 108							
(14)				422											
			58			ms, as above									"
											750/228.60 m				152/154 (+2)
			152			ms, as above									solid
			4			crsh; abund. carb. pf thur									solid
				7							755/230.12 m				152/156 (+4)
(17)			3			crsh, as above									brkn
			95			vfs; mod. interbded crsh @ bottom 7cm; carb pf thur									solid
			9			crsh; abund carb. pf thur									"
		231.84	3			vfs									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 86

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	231.84		3			ccsh, as above									brkn
17°			22			vfs; carb pf thin									solid
		232.21	12			ssh; occ. carb pf									"
											760/231.65				153/147 (-6)
						E of H.									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 87

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						QMD88002					
						Box 1					
	0.00	29.57				Casing to 97'	97'/29.57m				
			40			rubble, inc. v. coarse cgl'itic sand; coarse & med-grained sandstone; probable glacial till debris where matrix has been winnowed away in drilling action					rubble
			(40)			MR					
			11			glacial till; poorly sorted material of all sizes: flty in a muddy matrix					probably extensively washed
							100'/30.48m				91/51 (-40)
(47)											
			152			glacial till, as above					solid.
						Box 2					
		32.08	8			glacial till, as above					solid
							105'/32.00m				152/160 (+8)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 1 of 19

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	32.08														
			149			glacial till, as above; rock material predominantly coarse-med sand & cgl ie: clasts sedimentary in origin; partly washed out near bottom.									solid;
											110'/33.53m				153/149 (-4)
			47			glacial till, as above									"
				681											
						Box 3									
(47)			117			glacial till, as above									solid
											115'/35.05m				152, 164 (+12)
			105			glacial till, as above									"
						Box 4									
			44			glacial till, as above									"
											120'/36.58m				153/149 (-4)
		37.24	54			glacial till, as above; apparently washed out at bottom									broken i/p

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 2

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec., r.q.d., d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	37.24		23			rubble consisting of var. coarse-grained sedimentary rock; 1 piece of rounded vein quartz & extensively washed; muddy matrix winnowed away during drilling action.					rubble
			(59)			MK					
							124.5'/37.95m				13'/77 (-60)
			12			loose rubble, as above; all clasts sedimentary in origin consisting of variously coarse-grained sed. clastic rock & coal; all matrix winnowed away in drilling action					"
(47)											
			(3)			MK	125'/38.10m				15/12 (-3)
			40			loose rubble; clasts are variously sorted rocks of sed. origin chaotically arranged; no matrix					"
			1	55			126'/38.40m				38/40 (+2)
		38.76	15			loose rubble, as above					"
						Box 5					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec., r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	38.76		16			loose rubble, as above; some matrix still present, indicating glacial till					rubble
			(30)			MR					
							1285'/39.20m				72/31 (-41)
			24			loose rubble; apparently boulder-sized consisting primarily of 3 pieces; 1) a med.-grained sand 2) v. coarse sand 3) cgl; trace of matrix near bottom						"
				102							
							1294'/39.32m				12/24 (+12)
(47)											
			78			loose rubble/glacial till; matrix mostly winnowed away; totally unconsolidated					rubble
			(15)			MR					
							1321'/4023m				91/78 (-15)
			25			loose rubble; var. sized sands & cgl; no matrix present					"
							1325'/40.40m				17/25 (+8)
		40.79	15			loose rubble, as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMDB8002

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							133'/40.50m				10/15 (+5)
	40.79		6	60		loose rubble, as above					rubble
						Box 6.					
			14			loose rubble; minor parts of muddy matrix still remains indicating glacial till					rubble
							133.5'/40.69m				19/20 (+1)
			(5)			NAR					
(47)											
			16			loose rubble (may i/p be broken-up bedrock)					badly brkn
	41.20		23			mis; crsh lam. thur oxidized i/p along fracs following bedding; high angle calcite-filled frac 1 mm; bioturb					
							135'/41.15m				46/39 (-7)
			37			vfs, locally grading to fs & ssh; high angle fracs thur					badly brkn
		41.87	(7)			NAR					
							136.5'/41.61m				46/37 (-9)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	41.87		87			vfs interbded fs & ssh, as above; 2.5 cm oxidized envelope along frac. surfs									badly brkn
						Box 7									
			12			crsh; mcs; oxidized pf									brkn
			99	99							140'/42.67m				106/99 (+7)
			67			crsh, as above grdg to ssh									partly brkn
47°			41			mis grdg to cs; minor interbded ssh; bioturb at top									partly brkn
			32			ssh; bioturb; interbded crsh & fs at top									brkn
											145'/44.20m				153/160 (+7)
			28			ms; minor interbded ssh; bioturb									solid
						Box 8									
		44.99	25			vfs grdg to ssh; bioturb									brkn, i/p

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 6

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	44.99		39			ms, ccsh lam thur; calcite-filled frac at 9 & 39 cm					solid
			34			ssh grdg to vfs at the base					badly brkn
			(12)			MR					
(47)			14			ms; interbdded ssh at bottom 3cm					solid
				23			150'/45.72m				10:/140 (-12)
			9			ms, as above; interbdded ssh thur					"
			10			vfs, interbdded ssh thur					solid
			49			ccsh					basically solid
			20			ms; bioturb thur; interbdded ssh					solid
				137		Box 9					
(53)		47.28	42			ms, as above; extensively frac & hematite staining thur frac zones; apparently fining down					mostly solid
							155'/47.24				152/130 (-22)

47.28

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 7

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
53°	47.28		75			ms.; interbided ssh thuc; bioturb at top; occas calc.-filled fracs to 2mm									solid
			69			crsh grdg to grsl; occas. calc-filled frac zones to 1cm thickness apparently following bedding									brkn near bottom
											159'/48.46m				122/144 (+22)
			14			ssh; bioturb									solid
						Box 10									
			138			ssh, as above; locally grdg to crsh.; high angle frac. c hem staining 1.5cm either side of frac surf.									solid
(44)				249											
											164'/49.99m.				153/152 (-1)
			72			ssh, as above; bioturb thuc									basically solid
						Box 11									
		51.21	25			ssh, as above									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD 88002

PAGE No. 8

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	51.21		48			ms, locally grdg to fs & ssh; extensively bioturb; occas high angle frac					solid
			2			crsh					solid
				133			169'/51.51m				152/147 (-5)
			131			crsh locally grdg to ssh					solid
						Box 12					
44											
			18			vfs; interbded ssh thruc; fining down; bioturb					"
							174'/53.04m				153/149 (-4)
			107			crsh grdg to ssh; coarsening down					solid
			14			vfs; bioturb thur					solid
		54.82	41	↓		fs; locally grdg to ms; interbded ssh; bioturb					"
							179'/54.56m				152/162 (+10)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD 88002

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
44°	54.82		23	} 64		fs, as above					solid
			11	} 25		ms; crsl lam thur					solid
						Box 13					
			14			ms, as above					"
			41			vfs; interbided ssh.					solid
			66	} 122		ms grdg to cs; occas carbonized pf.					"
							184/56.08m				155 (+3)
			56			ms, as above					solid
47°		57.23	30	} 35		fs, interbided crsl thur; carbonized pf common along crsl lam					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 10

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 14							
	57.23		5			fs, as above									solid
			60			ssh, carb. i/p									solid
				94							189'/57.61m				153/151 (-2)
			34			ssh, as above									solid
			103			crsh; occas. v silty interbds									partly brkn
								Box 15							
			14	133		crsh, as above									sol'd
											194'/59.13m				152/151 (-1)
			16			crsh, as above									solid
47°		59.61	6			grsh									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88007

PAGE No. 11

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	59.61		126			crsh, as above crsh					solid
				170			199'/60.66m				153/148 (-5)
			44			crsh, as above					solid
						Box 16					
			55			grsh; pyr concretions common near the top, augen-shaped					brkn
(47)											
			23			crsh					partly brkn
			18			dksh; sheared thur; finely crystalline pyr found along sheared surf.					badly brkn
↓			15			grsh; abund finely crystalline pyr thur					"
↑							204'/62.18m				152/155 (+3')
(46)	62.42	62.76	34			Unconsolidated grey mud; possibly a result of drilling fluid entering corebarrel on the connection.					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 12

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
46	62.76		40			csh.; carb i/p; occas carbonized pf.; minor pyr									brkn
				63				Box 17							
	63.39		23			csh., as above									partly brkn
ROOF															
			14			CA									pulverized to powder
			(72)			MC					210°/64.0 cm				183/111 (72)
			4			CA									badly brkn
			(21)			MC									
			4			CB									brkn
(46)	64.54		17			CC									solid
			1			csh. grdg to vfs									"
			19			CB; interbanded CA/CB/CC; overall should grade to CB									basically solid
			(12)			MC									
			7			CA									brkn
	65.10		7			CD									solid
			2			CA									badly brkn
			4			CD									"
			1			CA									badly brkn
		65.27	3			CD									"

30.20

65.27

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88002

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	65.27		12			CB									badly brkn
			30			CA									pulverized
	65.69		18			CC									brkn.
											215'/65.53m				152/128 (-24)
		65.97	10			CD									solid
	65.97		2	44		CA									
								Box 18							
			42			CA									brkn at top
			12			CB									brkn i/p.
(46)			27			CA									"
			2			csh.									"
			6			CC									"
			10			CA									"
			9			CB									badly brkn at base
			32			CA; partly oxidized.									"
			7			CB									"
											220'/67.06m				153/159 (+6)
			6			CA									brkn
			12			CB									solid
			13			CA									badly brkn
			2			csh.									mostly solid
		67.82	3			CA									"

30.70

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 14

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 19									
	67.82		(11)			MC									
		68.03	10			CA									pulverized
	68.03	68.06	3			CD									"
	68.06		7			CA									"
			4			CB									pulverized
			(2)			MC									
			60			CA									"
			3			CB									solid
		68.84	2			CA									"
	68.84	68.87	3			csh									"
			13			CA									badly brkn.
			14			CB									mostly solid
			13			CA.									solid
(46)															
			5			cc.					/				"
			(20)			MC					225'/68.58m				152/173 (+21)
		69.58	6			CB									brkn
FLOOR															
			5			csh									"
		69.83	20			dksh									basically solid
						Box 20									

3020

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 15

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	69.83		10			csh.									brkn, i/p
			20			dksh.									badly brkn
											230'/70.1cm				152/61 (-91)
		71.02	89			dkgrsh.; loc. grdg to dksh & csh									brkn
			(9)			MR									
(46)	71.11		19			csh.									badly brkn
		71.35	5			cc									
	71.35		14			dkgrsh									"
			11			grsh.									basically solid
				35							235'/71.63m				153/138 (-15)
			24			grsh.									solid
OOF		71.89	(5)			MR									
	71.89		3			cc									pulverized
						Box 21									
			(8)			MC									
	72.00	72.07	7			-ssh.; carb thin & coal stringers to 5mm									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88007

PAGE No. 16

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	72.07		(6)			MC (high ash)									
			9			CA									badly brkn
			(39)			MC									
			4			CB									brkn
			2			csh									
			2			CC									solid
FLOOR	(46)	72.69		58		grsh; locally sandy; carb thin									solid
ROOF			73.33	(6)		MR									
	73.33	73.47	14		3021	CA									pulverized
											240'/73.15m				152/123 (-29)
	73.47	73.49	2			csh									brkn
			(16)			MC									
FLOOR	73.65	73.93	28			CA									badly brkn to pulverized
	73.93		5			dkgrsh									brkn
			35			s.s.h. ; carb thin & coaly stringers to 2mm									brkn at base
		74.40	7			C.D; underlying contact is v. sharp									brkn to pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 17

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	74.40		5			ms									solid
								Box 22							
			58			ms; massive; bedding v. indistinct; occas calc-filled fracs									"
				205											
											245'/74.68m				153/140 (-13)
40°			142			ms; as above; occas. dark lam									"
↓															
											250'/76.20m				152/142 (-10)
								Box 23							
			150			ms, as above; localized carb lam; high angle frac (calc.-filled) common thur									solid
				449											
											255'/77.72m				152/150 (-2)
42°		78.37	42	↓		ms, as above									
								Box 24							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	78.37		101			ms; dark lam thug probably as a result of carb. pf									
(42)											76.0'/79.25m				153/143 (-10)
			108			ms; as above; occas. calc.-filled fracs (fracs mostly vertical to bedding)									
											265'/80.77m				152/108 (-44)
								Box 25							
		80.94	48			ms, as above									
								E of H.							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88002

PAGE No. 19

Corrected 88.09.27 NH.

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						QMD88003					
						Box 1					
		10.67				Casing at 35'	35'/10.67m				
			~70			ssh.; med to dkgy sh ± v.fsandy lams thur, loc grdg to vfs; abund hem stain thur					badly brkn (Hulcross)
			(82)			MR					
							40'/12.19m				152/70 (82)
			~85			ssh, as above; extensively frac'd ± hem staining along fracs					badly brkn
				141		Box 2					
7'			~56			ssh, as above					"
			(12)								
							45'/13.72				153/141 (-12)
			~75			ssh, as above; grdg to vfs ± ssh lam					"
				100		Box 3					
		14.72	~25			ssh, as above					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 1

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	14.72		(52)			MR					50'/15.24m				152/100 (-52)
(7)			~85	107		ssh, as above									badly brkn
			~22			ssh, incl'ly sandy, grdg to vfs; extensively frac'd c hem stain thur frac zones									"
			(45)			MR					55'/16.76m				152/107 (-45)
6°		17.96	~120			vfs; ssh lam thur; extensively frac'd c hem stain grdg to ssh									" "
	17.96	18.10	(14)			MC									
			(2)			MR		Box 5							
			~17			vfs; occas interbded crsh; as above									badly brkn
			(36)			MR					60'/18.29m				153/137 (-16)
			~55	160		vfs; interbded ssh; interlam'd ssh; frac'd thur, as above									"
(9)											63'/19.20m				91/55 (-36)
		19.85	~65			vfs, as above									"

CORE LOG

HOLE No. QMD88003

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 6							
9.	19.85		~40			vfs, as above; grdg to ssh									badly brkn
			(48)			ME					68'/20.73m				153/105 (48)
			~55			vfs, as above									"
			(36)			ME					71'/21.64m				91/55 (36)
			~60			vfs, as above; ssh & crsh lam & interbds thruo									"
			(32)			ME									"
								Box 7							
											74'/22.56m				92/60 (32)
			~55			vfs, as above: loc. grdg to fs									"
			~55			ssh; predom crsh to ssh & areas interbds of f to vf sand: extensive frac & hemi thru along fracs									"
		24.08	(42)			ME					79'/24.08m				152/110 (42)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 3

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	24.08		~50			crsh; extens frac'd as above;					badly brkn
				95		Box 8					
			~45			crsh as above (may be some drilling mud in this interval)					"
			(57)			MR	84'/25.60m				152/95 (-57)
			~130			crsh; grdg to sch; extens frac'd as above & hem stain along frac surf					badly brkn.
(12)											
		27.13	(23)			MR Box 9	89'/27.13m				153/130 (-23)
			~55			crsh as above					"
			(14)			MR	91.5'/27.89m				76/55 (-21)
		27.94	~12			crsh as above (Hulicross)					"
ROOF	27.94		~28			sh; loc silty; carb i/p; abund carb pf thin; extens frac & hem stain along frac surf (Gates)					"
FLOOR		28.29	(7)			MC.					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 4

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	28.29	28.44	~15			grsh; thin coal lam. to 1mm thur; rusty yellow oxide prevalent thur									badly brkn
	28.44		(27)			MR									
			~60	81		sh; carb i/p; loc silty; frac c̄ hem stain thur									"
						"					96.5'/29.41 m				152/115 (-37)
		29.52	.21			sh as above; occa. carb. pf									brkn
						Box 10									
ROOF (12)	29.52		15			dksh grdg to csh; fine lams (to 2mm) of coal thur; extens weathered; hem + yellow oxide stain thur									badly brkn
FLOOR		29.69	7			CB; badly weathered									brkn
	29.69		(10)			MR									
			8			dkgrsh; coal stringers to 2mm thur									"
			8			sh; silty i/p; carb; frac c̄ hem stain									"
		30.18	(23)			MR									
											99'/30.18 m				77/54 (-23)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD88003

PAGE No. 5

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	30.18		1			sh, a/a above									partly brkn
			2			dkgysh; coal stringers & lenses to 4mm common									"
			3			sh, a/a above									"
			17			crsh; coal i/p; carb pf thur									brkn
			≈30			sh; coal i/p; loc gidg to crsh; occas coal lam to lmst									badly brkn
			(16)			MR									
12°			57			ssh; loc gidg to vfs; occas carb pf; frac'd & hem stain along fracs									brkn
			23			vfs grdg to fs; interbdd ssh; frac'd									brkn
			8			ssh; extens frac'd									badly brkn
(13)						Box 11									
											104'/31.70m				152/136 (-16)
		31.73	3			vfs									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 6

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	31.73		6			ssh									solid
			5			fs									brkn
			12			vfs; interlam'd ssh									solid
			19			fs; grdg to ms; x-bded; frac c hem stain along fracs.									"
			14			vfs; as above									"
13°			23			ssh; predom a crsh c occas vfs & ssh interbds, hem coats high angle fracs									mostly solid
			~30			crsh; extens frac'd thru c hem stain									brkn
			(10)			MR									
											108'/32.92m				122/112 (-10)
			12			crsh as above									"
		33.27	23			sh; carb i/p; loc silty; occas coal lam to 2mm; frac'd.									badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 7

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	23.27		31			ssh; occas carb pf; frac'd									brkn
						Box 12									
			~30			crsh; v. sandy; extens frac'd									badly brk.
			~20			sh; slightly carb; frac'd									"
			(36)			MR									
											113'/34.44m				152/116 (-36)
			~35			sh, as above; fissile									"
(13)															
			~80			ssh grdg to crsh; carb pf thin; frac'd									brkn
			(53)			MR					118.5'/36.12m				168/115 (-53)
						Box 13									
			~40			crsh; carb i/p; carb pf thin; frac & hvily stain									badly brk.
	36.52		~40			vfs; interbded ssh; frac'd; occas carb pf									brkn
		36.95	3			ssh; carb i/p									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 8

	B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
ROOF		36.95		~8			CB; exists frac & oxidized thur; may be a rock parting (small pieces of sh in the interval). Predom pulverized coal									badly brkn to pulverized
FLOOR			37.12	(9)			MC.									
		37.12		(7)			MR					122'/37.19m				107/91 (-16)
	(13)															
				20			ccsh; carb i/p; grdg to ssh; accas thin coal stringer to 1mm @ top; carb pf thur									mostly solid
			37.53	14			ssh grdg to vfs; carb & carb pf thur									Solid
				~60			vfs; interbded ssh; carb pf thur; calc fills high angle frac									"
							Box 14									
	(12)			12			fs grdg to vfs; carb pf & root matter thur; x-bded									brkn
				(21)			MR									
				~6			ssh; accas carb pf									partly brkn
			38.00	8			vfs; bioturb									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 9

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	38.80		13			ssh., as above									brkn partly
											178'/39.01m				182/153 (-29)
			-												
12°			69			crsh; occas carb pf thur									solid
			41			ssh; loc. gvg to crsh; high angle hem stained vert. frac									"
			28			crsh; high angle fracs; hem stained									mostly soln'
				51		Box 15									"
			23			crsh. as above									"
											133'/40.54m				153/161 (+8)
			12			sh; carb i/p; carb pf thur; frac'd									brkn
			(33)			me									
			4			crsh; carb i/p; carb pf thur									"
↓		41.15	12			SSh; occas carb pf									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 16

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	41.15		83			vfs; interbdd ssh, bioturb; occas carb pf									solid
			8			fs; vert frac prominent ≈ hem stain									mostly solid.
											138'/42.06 m				152/119 (-33)
			3			fs, as above									solid.
			42			vfs interbdd ssh; frac'd									brkn
		43.51	(100)			MR		Box 16			143'/43.59 m				153/45 (-108)
(14)															
			10			vfs, as above									badly brkn
			13			crsh; evidence of milling (MR)									brkn.
		43.89	15			sh; loc silty									mostly solid
ROOF	43.89	44.12	(23)			MC									
FLOOR											145'/44.20 m				61/38 (-23)
	44.12		(23)			MR									
	.12	44.55	~20			grsh; coaly lam (1mm) & carb pf thur; friable									badly brkn
		45.33	78			vfs; interbdd ssh; loc grdg to ssh; carb pf & root preserv'n thur; bioturb									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 11

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	45.33		10			ssh; abund root preserv'n & carb pf thur									solid
			4			fault gouge; silty sh; extensively frac'd with calc fill & hem stain									"
			18			ssh; occas carb pf									Solid
											150'/45.72 m				152/130 (22)
				65											
								Box 17							
			47			ssh, as above									solid
(14)															
			24			fs; interbdd vfs & ssh; carb pf thur; coarsens down & grds to mrs; bioturb									"
			50			ssh; abund carb pf thur; grdg to vfs									"
			8			vfs									"
			9			fs; carb; bioturb									"
		4205	2			grsh; thin coaly lams to 1mm thur									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 12

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	47.05		11			fs, as above									mostly sol'd
			(1)			MR									
											155'/47.24m				152/151 (-1)
14°			55			ms; carb lam thur; min interbded vfs & fs; x-bded									"
				143				Box 18							
			88			ms; abund thin chaotic calc-filled fracs thur, particularly @ top 35 cm									brkn to badly brkn
			(10)			MR									
											160'/48.77m				153/143 (-10)
			103			ms; interbded fs; x-bded; frac'd c̄ calc-infill thur; occas carb pf									brkn @ top
				125				Box 19							
			2[illegible]			ms [illegible]									[illegible]
		50.05	10			fs; interbded vfs; occas carb pf, bioturb									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 13

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											164'/49.99m				122/135 (+13)
	50.05		7			ms; occas carb pf									solid
(14)															
			44			fs, as above									"
9°															
			27			vfs; loc gidg to ssh; carb i/p									
			14			crsh; carb i/p; carb pf thur									
			39			vfs; loc gidg to ssh; extens frac'd ± calc fill; occas carb pf; appears faulted									brkn @ top & bottom
			3			sh; carb i/p; extens sheared (fault plane?)									brkn
			17			vfs; vert fracs; excellent plant & root preserv'n									mostly solid
(7)				82		Box 20									
			~65			vfs as above; vert fracs prominent thur									partly brkn
			(8)			MR									
		52.87	~58			fs, gidg to ms; frac'd ± s/s thur; calc infill; occas carb pf									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 14

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	52.87		23	81		fs, grdg to vfs; localised ssh lam c̄ abund pf thur									solid
											174'/53.04 m				305/297 (-8)
7°			39	154		vfs; occas ferruginous concretions; occas carb pf; min. interbdd ssh									"
								Box 21							
			115			vfs; min. interbdd ssh; calc-filled fracs occas thur; occas carb pf.									partly brkn
			(13)			MR									"
											179.5'/54.71 m				167/154 (-13)
			14			vfs; extens frac'd (chaotic); calc infill; s/s (fault zone?)									solid
(34)			45			fault gouge; predom. sandy-clay matrix c̄ sh & sandstone rubble in a brecciated mass; occas carb pf; evidence of shear									badly brkn
		55.47	11			vfs; grdg to ssh; abund thin to microfracs c̄ calc. infill									brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 15

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	55.47		10			fault gouge as above									badly brkn.
			(93)			MR		Box 22							
											184.5'/56.24m				153/80 (-73)
			13			ssh; occas carb pf; crumbly									mostly solid.
34°			138			vfs, bioturb c̄ abund. coating; loc. grdg to fs									solid
											189.5'/57.76m				152/151 (-1)
			40			vfs; interbded ssh; carb c̄ abund carb pf thus									solid
				108				Box 23							
23°			68			vfs, as above; grdg to ssh									solid
		59.34	45			ssh; [illegible] i/p; high angle calc-lined frags c̄ hem stain.									mostly solid
											194.5'/59.28m				152/153 (+1)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 16.

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	59.34		13			crsh; occas carb pf									brkn partly
			23			sh; carb i/p; carb pf thur									"
			4			grsh; mostly carb c carb plant in serv'n thur									brkn
															badly brkn ↓
			~5			dkgrsh; extensively sheared									
(23)			~25			grsh; extens. sheared; s/s thur (shear zone)									"
			(12)			MR		Box 24							
			~26			grsh; carb i/p; loc silty; s/s thur									"
↓			30			crsh; grdg to ssh; vert. fracs are in evidence									mostly solid
↑			30			vfs; carb pf thur; bioturb									solid
(32)											200'/60.96m				168/156 (-12)
		61.11	9			ssh; abund carb pf thur									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 17

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	61.11		8			vfs; extens fract'd & calc cement; chaotic arrangement of fracs; 1cm @ top is brecciated (definite fault zone)					solid
			30			fs; chaotic arrangement of calc filled fracs; occas s/c; anch pf thin					"
			12			vfs; occas fracs					"
			6			fs; calc filled fracs as above; calc pf thin					"
			10			vfs					"
32°			12	44		vfs. min interbded fs; high angle frac & hem stain					"
						Box 25					
			21			vfs, as above					solid
		62.56	15	↓		ssh, gridg to vfs; occas calc-lined fracs; biotach; carb. i/p					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUD88003

PAGE No. 18

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											205'/62.48m				152/154 (+2)
	62.56		13	5B		ssh, a.a. above; abund carb pf thin									solid
			9			vfs; high angle frac c 2cm hem-stained weathering envelope									
			38			fs; high angle calc-cemented fracs; occas carb pf									solid
32			15			fs, grdg to ms; carb pf thin; x-bdd									"
			14			ssh; rain-staining along high-angle frac									"
			13			vfs; grdg to ssh; occas carb pf; cm interbdd fs									"
			6			ssh; bioturb c invert burrows									"
		63.70	7			vfs; cm hem-stained weathering envelope on either side of near-vert frac									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 19

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	63.70		10			ssl; grdg to vfs									partly brkn
			.	30				Box 26							
			~12			ssh, as above; hem-stained fracs thru									badly brkn.
			5			sh; carb i/p; high angle hem-stained frac									
											210'/64.01m				153/149 (-4)
			5			crsh; calc i/p									solid
(32)			~75			sh, carb to grsh; carb i/p; s/s thru									brkn
			16			crsh									partly brkn
			(21)			ME									
			~35			ssh; high angle fracs									badly brkn.
			1	73							215/65.53m				152/131 (-21)
		65.70	13			ssh; calc pf thru									brkn
								Box 27							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. _____

PAGE No. 2a

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	65.70		25			ssh as above					solid
			18			crsh ; carb i/p					partly brkn
			~43			sh grdg to grsh ; carb thur ; evidence of shearing & slick thur ; loc. silty					badly brkn
			50			coal					"
				102			220'/67.06m				153/149 (-4)
			52			ssh, loc. carb ; occas high angle calc. filled fract					solid
32						Box 28					
	67.58		18			ssh, as above					partly brkn
ROOF FLOOR		68.36	~60			sh ; fissile ; sheared ; carb i/p					badly brkn
	68.36	68.41	(5)			MC					
	68.41		(12)			MR	225'/68.58m				152/130 (-22)
36											
		68.63	~10			sh, as above					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 21

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
36°	68.63		20			fs; occas carb pf; mon pyr									solid
			72			crsh									brkn
								Box 29							
		69.69	14			sh; carb i/p, grdg to grsh, occas thin coal laminae									solid
	69.69		5			CB									"
			8			CA									"
			(23)			MC									"
											230'/70.10 m				152/129 (-23)
			5			CA									solid
			5			CB									"
			1			CD									"
		70.20	4			CB									"

309'4

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 22

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
					3094										
	70.20	70.38	18			CA									solid
(36)															
	70.38		9			dkgrsh; thin coal lam thur to 3mm									mostly solid
		70.89	42			vfs grdg to ssh; high angle hem. stained fracs; occas carb pf									solid
			~18			ssh; occas carb pf									badly brkn
			(20)			MR									
											234'/71.32m				122/102 (-20)
(57)			~23			crsh; loc sandy; carb root matter thur; s/s thur									"
								Box 30							
			1			sh; carb i/p									brkn
			34			vfs grdg to ssh; bioturb; loc carb									solid
			24			crsh. carb i/p									brkn
			~25			sh; increasingly carb; fissile									badly brkn
		72.80	(46)			MR									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMDBB003

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							239'/72.85m				153/107 (-46)
	72.80		~50			sh, as above					brkn
~57°			10			crsh; calc pf thru					mostly solid
			7			ssh; calc pf thru					solid
			13			vfs grdg to ssh					"
			8			crsh					brkn
			9			ssh					"
(45)											
		74.02	(25)			MR	243'/74.07m				122/97 (-25)
			6			ssh; high angle hem-stained fracs; calc pf thru; grdg to vfs					badly brkn.
				39		Fav 31					
		74.41	33			ssh; high angle hem-stained fracs; occas calc pf					badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 24

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	74.41		26			crsh; high angle fracs as above; occas carb pf.									mostly solid
			~82			ssh, as above									brkn
		75.54	(5)			MR.					248'/75.59 m				152/147 (-5)
45°			5			ssh, as above; bratum									brkn
			4			vfs, grd, [illegible]									solid
			37			sh; min. interbdd ssh; loc. silty; carb i/p.									[illegible] brk
			2	60		ssh; concretionary; Fe-bearing									"
								Box 37							
			~58			ssh; concretionary, as above									"
(19)															
		76.76	(16)			MR					252'/76.81 m				122/106 (-16)
			48			ssh; occas high angle hem-stained fracs									"
		77.37	(13)			MR									
											254'/77.42 m				61/48 (-13)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 25

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	77.37		~84			ssh, loc grdg to cish; occas high angle fracs									badly bk
								box 33							
			11			vfs, grdg to ssh; high angle hem-lined frac									solid
		78.67	35			ssh									
				60							258'/78.64 m				122/130 (+8)
			25			ssh									mostly sold
19°			72			vfs, grdg to ssh c interbdded ssh; occas carb pf									solid
		80.17	53			ssh, grdg to vfs; high angle fracs									mostly solid
				161							263'/80.16 m				152/150 (-2)
								Box 34							
			108			ssh, as above, bioturb; occas carb pf									solid
21°		81.72	47			vfs, grdg to ssh loc; high angle calc + hem-lined fracs									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 26

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											268/81.69 m				153/155 (+2)
	81.72		48			vfs, as above									solid
				219				Box 35							
(21)			104			vfs; abund. [illegible] thru; loc. carb.									mostly solid
											273'/83.21 m				152/152 (0)
			20			vfs; high angle hem-stained frac.									solid
			17			fs; high angle hem-stained frac. continuous									"
36°			64			vfs; loc. gldg to fs; biotuch; occas. carb. pf									solid
								Box 36							
			51	128		vfs, as above; bottom 8 cm frac'd c calc. cement									brkn @ bottom
											278'/84.73 m				152/152 (0)
		84.89	13			vfs; calc. fills fracs as above									brkn
		84.99	(10)			MR									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 27

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	84.99		33			ssh; grdg to vfs, calc fills fracs; s/s									partly brkn
											280'/85.34m				61/46 (-15)
			58			vfs; loc grdg to fs; bioturb; frac'd c calc &/or hem along fracs									mostly solid
			48	154		vfs grdg to ssh; bioturb; high angle hem stained fracs									solid
								Box 37							
			48			vfs, as above									"
(36)															
											285'/86.87m				153/154 (+1)
			9			ssh, grdg to vfs									"
			4			vfs; bioturb									"
			40			ssh, as above; occas calc-lined fracs									"
		87.02	33			vfs; bioturb; occas carb pf; min. interbdd ssh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 28

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
25°	87.72		59			fs; interbdded vfs & ssh; bioturb; high angle calc-lined fracs					solid
						Box 38					
			10			vfs, as above; high angle hem +/- calc fracs					solid
							290'/88.39m				152/155 (+3)
			2			fs, as above					"
			38			vfs, grdg to ssh; bioturb; high angle calc + hem-lined fracs					"
			17			fs; bioturb; carb pf; high angle hem-stained frac					"
27°			9			vfs; extens bioturb; frac'd					broken
			(25)			MR					
			~21			ssh interbdded vf to f sand; frac'd					badly broken
		89.82	39			vfs; calc-cemented fracs					mostly solid
							295'/89.92m				153/126 (-27)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 29

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(27)	89.92		19	58		vfs, a [illegible]									mostly solid
			17			fs; hem stained & calc cemented fracs; carb									solid
				21				Box 39							
			4			fs, as above									"
			11			vfs; interbded ssh; carb pf thur									solid
			8			ssh; carb i/p									"
14°		91.43	92			fs, grdg to ms; abund sh/ssh rip-ups, partic from 0-6 cm; carb pf thur;									brkn from 65-78 cm
											300'/91.44m				152/151 (-1)
			5			vfs; bioturb; calc-lims fracs									solid
			14			fs; calc fills fracs thur									"
		92.03	41			vfs; interbded fs & ssh; extens bioturb; occas carb pf									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 30

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	92.03		(2)			MR.									
19°			4			ssh; carb ilp									blk.
↓															
↑			15			ms; sh rip-up clasts thur									solid
						Box 40									
			71			fs; loc grdg to vfs; each pf thur; calc +/- hem along fracs; coarsening down to bottom 12 cm; grdg to ms									mostly solid
											205'/92.96 m				152/150 (-2)
			127			ms; carb pf thur; occas. crsh rip-ups; occas fracs									solid
				150		Box 41									
47°			23			ms, as above									"
											310'/94.49m				153/150 (-3)
		95.94	149	↓		v. cs, loc. grdg to ms; generally fines down; loc cgl'itic; occas carb pf & rip-up clasts									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 31

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											315'/96.01m				152/149 (-3)
	95.94		10			cs; mic carb pf									solid
				197				Box 42							
			38			v cs; high angle x-bds;									solid
			14			ms									"
			87			v. cs; lon. sgl'itic; rare carb. pf; occas. high-angle									"
(47)						hem-stained fracs									
											320'/97.54m				153/149 (-4)
				245											
			67			v. cs, as above									"
								Box 43							
		99.01	91			v. cs, as above									"
											325'/99.06m				152/158 (+6)

DRILL CORE LOG

Quintette Coal Limited

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PAGE No. 32

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(47)	99.01	99.16.	15			ms, grdg to cs; occas carb pf									solid
			15			ssh, carb i/p.									brkn
			11			vfs, interbdded ssh; carb i/p.									solid
35°			32			ssh; interbdded cs & vfs; parallel lam; carb pf thur [illegible] i/p									mostly solid
			77	35		vfs; interbdded ssh; high angle hem-stained fracs; occas carb pf									"
								Box 44							
			8			vfs; extens. frac'd & sheared; calc. fills chaotic fracs; poss. fault zone									solid
			~29			cs; extens. frac'd; carb pf thur									badly brkn
(52)		100.48	(10)			MR					336'/100.58m				152/137 (-15)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 33

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	100.48		158			v. cs; cgl'itic loc.; frac'd.; from 102-158 appears drilling v. near directly down dip									brkn (solid bottom half)
						Box 45									
											335'/102.11m				153/158 (+5)
			75	266		v cs; loc cgl'itic; occas carb pf; high angle x-bding									brkn i/p
											338'/103.02m				91/75 (-16)
			33			v. cs, as above; high angle calc-filled fracs									solid
			10			cssh; carb i/p									mostly solid
			12			sshu; thinly interbded vfs & sshu									brkn
			6			fs; extens frac'd/chaotic network of calc-filled fracs									brkn
			(9)			MR									
52°		103.69	~10			ssh; carb i/p									badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 34

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	103.69		25			cs; numerous thin to 1mm calc-filled fracs thur.					Solid
						Box 46					
"			45			cs; abund fracs thur, as above; appears we're drilling v. near to directly downdip					"
							343'/104.55m				153/149 (-4)
71°			159			cs, as above; occas carb pf; drilling downdip					solid
				415			348'/106.07m				152/159 (+7)
						Box 47					
			~113			cs; carb lam thur; high angle hem-stained fracs & calc-filled fracs common					brtne
			"				352'/107.29m				122/113 (-9)
↓		107.84	73			cs; grdg to ms as above					" (grdg)
						Box 48					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88 003

PAGE No. 35

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
69°	107.84		~40			cs, as above									brkn
											356'/108.51m				122/113 (-9)
66°			116			v. cs; loc. cgl'itic; high angle x-bd'd; occas calc-filled fracs; rare carb. pf									solid
											360'/109.73m				122/116 (-6)
			~35			v. cs, as above									brkn
								Box 49							
			48			v. cs; min. interbdd carb. sh; dilation fracs are evident									partly brkn
			~80	429		cs, grdg to v. cs; occas carb. sh. lam @ bottom 30 cm; frac'd c̄ calc + pyr/hem along fracs									brkn @ top & bottom
											365'/111.25m				152/163 (+11)
		111.68	65			cs, as above; occas claystone rip-ups									brkn in bottom

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 36

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 50							
(66)				↑											
	111.68		85			v. cs; abund. calc-filled fracs thru; min. carb. pf									solid
											370'/112.78m				153/150 (-3)
62'			125			cs; mod. carb. matter; occas rip-ups; calc-filled fracs thru									"
											374'/114.00m				122/125 (+3)
								Box 51							
			155			v cs, loc cgl'itic; large rip-up clasts (to 8 cm) of claystone campain.; min. carb. pf									mostly solid
				234							379'/115.52m				152/155 (+3)
66'		115.81	48	↓		cs; grdg to vcs; loc cgl'itic; frac'd thru; min carb if; min pyr									solid
								Box 52							

DRILL CORE LOG

Quintette Coal Limited

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PAGE No. 37

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	115.81		20	↑		cs, grdg to v cs; frac'd					solid
(56)											
			11			v cs;					"
			5			cgl; pebbles gen < 0.5 cm					"
			17			v cs; occas fltg pebbles to 0.5 cm					"
			19			cgl; pebbles to 1 cm; rip-ups to 2 cm; min carb pf					"
			37			v cs; cgl lite i/p; min. carb pf thur					brkn
							384/117.04m				152/157 (+5)
48°			97	442		v cs, as above					
						Box 53					solid
			8			v. cs, as above.					solid
		118.45	50	↓		cgl; occas calc-filled fracs					solid

DRILL CORE LOG

Quintette Coal Limited

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B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											389'/118.57 m				153/155 (+2)
	118.45		20			cgl, as above									brkn
											390'/118.87 m				30/20 (-10)
(48)			~110	216		cgl; pebbles gen <0.5 cm; frac'd thru c̄ calc. & hem along fracs; claystone rip-ups common in bottom 10 cm									"
						Box 54									
			36			cgl, grdg to v cs; rip-ups thru; occas carb pf									solid
			16			fs; massive; hem & calc-filled fracs; unconformable contact c̄ overlying cgl									"
											395'/120.40 m				153/162 (+9)
						MR									
			51			fs, as above; fining down & grdg to vfs; occas carb pf									brkn
40		121.72	94	202		vfs; loc. grdg to fs; min/occas carb. lam									mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 39

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							400'/121.92m				152/145 (-7)
						Box 55					
	121.72										
			108			vfs; interbedded ssh; occas carb pf; calc-filled fracs thru					broken
(40)			66			fs; min-scale faulting is evident; min interbedded vfs; high angle calc-filled fracs thru					solid
				81			406'/123.75m				183/174 (-9)
			15			fs, grdg to vfs; occas carb lam					
			7			vfs; interbedded ssh; occas carb pf					partly brkn
						Box 56					
44'			56	110		vfs as above					solid.
							409'/124.66m				91/77 (-14')
		124.71	48			vfs, as above					solid.

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

PAGE No. 40

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	124.71		19			ssh; [illegible] vfs; occas carb pf; calc fills fracs									solid
			~35			fs; high angle calc-filled fracs									brkn @ bottom
											412.5'/125.73m				107/102 (-5)
			31			vfs grdg to ssh; calc-filled fracs common									solid
(44)								Box 57							
			17			fs; loc grdg to ssh; calc-filled fracs common									partly brkn
						MR									
*FAULT ZONE (410 - 414')			4			*fault gouge; primarily vfs & fs; abund carb matter; carb sh & calc thur									brkn
			(6)												
			2			sh; carb i/p; sheared thur									"
(4)															
											414.5'/126.34m				61/54 (-7)
			7			crsh; carb i/p									↑
															solid
		126.25	33			ssh;									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 41

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	126.25		109			ssh, grdg to ssh; occas carb pf					solid.
			13			ssh					"
				30			427/128.02m				168/162 (-6)
			17			ssh, loc. grdg to cslt					"
						Box 58					
			4			fs, grdg to vfs; min interbded ssh					solid
			18			ssh; occas coarsenings					"
4°			122			fs, grdg to ms; generally massive; occas ripups & iron-bearing clay bands*; looks conspicuously like sand found below & seams thru most of the property					"
							425'/129.54m				152/161 (+9)
(10)		129.17	9			cs; salt & pepper ± abund k-spar; calc-filled fiacs; cribble*; conspicuously unconformable					badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 42

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	129.17		58			fs, grdg to ms, as above									solid
								Box 59							
			91			ms, grdg to fs; occas rip-ups; iron-stained clay-lean bands; generally massive									"
											430'/131.06 m				152/158 (+6)
			131			ms, as above									"
				352				Box 60							
			29			ms, as above									"
											435'/132.59 m				153/160 (+7)
			101			ms; ferruginous clay bands increase downwards; bottom 6 cm frac'd & calc infill & has s/s									"
10°		133.78	51			vfs; interbedded fs; generally fining down									mostly solid
											440'/134.11 m				152/152 (0)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 43

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC./m bd.	FRAC./m jt.	FRACTURE TYPE AND CHARACTERISTICS
75°	133.78		76			vfs, as above ; occas worm burrows									solid
						Box 61									
			136			fs ; loc. grdg to vfs ; bioturb ; occas. carb lam									solid
				142											
											445'/135.64				153/162 (+9)
			7			fs, as above									
			33			vfs ; interbdd ssh. ; carb									
			31			fs ; loc. grdg to vfs ; bioturb i/p									mostly solid
				60											
						Box 62									
		136.40	29			fs, as above ; min. interbdd vfs & ssh ; occas carb lam.									"
			7			vfs ; bioturb									"
4°		136.89	42	170		fs, as above									"
											450'/137.16				152/149 (-3)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 14

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
4°	136.89		128	↑		fs; interbdd vfs & ssh; loc. bioturb; occas high angle calc-filled fracs.									partly bckn
						Box 63									
			20			fs, as above									"
				60							455/138.68				152/156 (+4)
			32			fs, as above; interbdd vfs incl. abund; 2.5cm heavily iron-stained horizon @ base composed of ssh									solid
			23			vfs; interbdd ssh; slightly carb									mostly solid
			9			fs; interbdd vfs; bioturb									solid
			89			vfs; bioturb, as above									partly bckn
				255							460/140.21				153/153 (0)
4°		140.29	31			vfs, as above; iron-stained concretions & horizons thruc									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

PAGE No. 45

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 64							
④	140.29		135			vfs, grdg to ssh; min. interbdd fs; occ stained concretions & horizons, as above									partly brkn
											465'/141.73				152/166 (F14)
			2			ssh, grdg to vfs									
			64			fs; min interbdd vfs & ssh; loc. bioturb; occas. non-stained horizons; occas carb lam									solid
⑦			13			vfs; interbdd ssh; bioturb									"
				62				Box 66							
			49			vfs, as above; loc. grdg to fs; occ stained ssh horizons & concretions are common; occas carb. pf.									solid
		143.12	20			fs; grdg to vfs; carb pf common on bdg surfs									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD83003

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
							470'/143.26 m				153/148 (-5)
7°	143.12		31	51		fs, as above					solid
			35			vfs; interbdd ssh; ssh occas iron-stained					mostly solid
			30			fs, grdg to vfs; min interbdd ssh; each pf common along bdg surfs					"
			22			vfs; interbdd ssh & coshy; occas hem stain; chaotic network of calc. veining					"
			29			fs; massive; min each pf thur; high angle calc.-filled fracs					solid
				39		Box 66					
			10			fs, as above					solid
		144.73	4			ssh, grdg to coshy; hem stain thur; v. dense					
(6)							475'/144.78 m				152/161 (+9)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

PAGE No. 47

BC N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	144.73.		29			vfs; interbdd ssh; bioturb					mostly solid
6°			74			fs; min. interbdd vfs & ssh; bioturb; accas hem-stained concretions					solid
			9			vfs; interbdd ssh & crsh					partly brkn
			38			fs; loc grdg to vfs; frac. thur; calc. fills fracs; faulted with 3cm displacemt; fault is almost norm. to bdg					solid
							480'/146.30m				152/150 (-2)
			3			crsh; frac'd with calc. infill					brkn
			7			fs; interbdd vfs & ssh; sheared thur; rubble basically; 2cm band of claystone (hem-stain @ top)					badly brkn
		146.56	23	↓		vfs; badly frac'd thur; calc. along fracs; sheared surfs are ~ normal to bdg & lineations run parallel to bdg					mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 48

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						Box 67					
											solid
	146.56		63	86		vfs; interbdd ssh & crsh; mic interbdd fs;					
						bioturb; occas carb pf; top 15cm fracd,					
(6)						as above					
			7			crsh; carb i/p; fracd w calc. infill.					brkn
			52			vfs; interbdd ssh; bioturb; occas hi-angle					solid
						calc-filled fracs.					
							485'/147.83m				153/155 (+2)
			99			vfs, as above; calc-filled fracs rare.					"
						Box 68					
			65	396		vfs; interbdd ssh & crsh mostly abund; occas hem-					mostly solid.
						stained horizons that commonly have v. thin					
						calc-filled vert. fracs.					
							490'/149.35m				152/164 (+12)
9°		150.89	147			vfs; as above; bioturb i/p; bottom 45cm is fracd					"
						w calc infill * certain evidence indicates core					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 49

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						may be laid in the box upside down					
						Box 6 of					
(9)	150.89		4	↑		vfs; thin calc-filled fracs common					solid
							495/150.88m				153/151 (-2)
			29			vfs; interbdd ssh; high angle calc-filled fracs thruv; bioturb @ base; zoicas burrows					partly broken
			37			ssh; loc. gdg to vfs; carb i/p; high angle calc-filled fracs; bioturb					"
			17.			vfs; interbdd ssh.; bioturb					"
(14)			57			ssh; min interbdd vfs in top 39 cm, also bioturb; ssh. is noticeably splintery					"
		152.51	18	↓		vfs, interbdd ssh; carb i/p; calc. fills vert. fracs & vugs					solid
							500/152.4m				157/158 (+6)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 50

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
FAULT ZONE: 600'-514'	152.51		44			vfs; interbdd ssh & crsh; biotrb thuc; extens. fracd w. chaotic network of calc. infill; sh. is carb; occas wiorm burrows which would suggest core is upside down (or rock is upside down - fault zone?)					mostly solid
						Box 70					
(14)			109	317		vfs; interbdd ssh & crsh; extensiv. biotrb thuc; top 23 cm extensiv fracd w. calc. infill; loc carb; abund minute burrows (horizontal) common thuc					solid
							505'/153.9	2 m			152/153 (+1)
			105			vfs, as above; loc grdg to fs: interbdd crsh. typically carb; calc-filled fracs common @ bottom 60 cm					"
						Box 71					
		155.50	41			vfs, as above; extensively fracd w. calc. filling fracs; sheared					partly brkn
		155.55	(5)			M.B.	510'/155.43m				151/146 (-5)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
72											
	155.55		13			sh; sandy @ top 3cm; otherwise black, carb MR					brkn
			(2)								
			64			vfs; massive; high angle calc-filled fracs thur					solid
			≈47			vfs; min interbdd csh typically carb; extensiv fracd thur w. calc infill					brkn @ top
			28	248		vfs; massive; occas calc-filled fracs					solid
							515'/156.97m				154/157 (-2)
						Box 72					
14°			109			vfs; interlamd carb csh common @ top 30cm, otherwise basically massive; occas high angle calc-lined fracs					solid
							519'/158.19m				122/109 (-13)
			44			fs; interbdd carb sh @ top 20 cm common; occas fracs, as above					mostly solid
		158.74	12			ssh; carb; extensiv. bioturb; interbdd vfs					brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 52

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	158.74		17			vfs interbdd carb sstn as above, bioturb; occas calc-filled fracs					solid
			(2)			MB					
			4			cosh; carb					brkn
			10			vfs; occas interbdd cosh, carb; @ bottom 4cm					solid
(14)			8	20		cosh; carb; bioturb					partly brkn
						Box 73					
			12			cosh, as above; min-scale faulting; 1.5cm vfs is displaced approx 10cm					solid "
			44	48		vfs; min interbdd sstn; occas hem-stained concretions &/or possibly claystone dip-ups; occas calc-filled fracs					"
(8)							524'/159.72m				153/151 (-2)
		159.75	1.4			*Top of next run appears to be milled w/ at least 1.5 cm vfs, passing into 2.5cm of cosh; carb					badly brkn
		159.78	(3)			MB					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 53

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	159.78		156			vfs; interbdd ssh; loc. bioturb; vert. frac. may/may not be calc.-lined					partly brkn
						Box 74					
			19			vfs; basically massive					solid
							530'/161.54m				182/179 (-3)
			148			vfs, grdg to fs; bioturb from 14-70cm, otherwise generally massive					"
				739			535'/163.07m				153/148 (-5)
			43			vfs, as above; generally massive; hi angle calc-lined frac					"
						Box 75					
8°		164.49	105	↓		vfs; carb lam common 30-65cm.; 2cm carb crsh 33-35cm; generally massive; relatively clean					solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 54

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											540/164.59m				152/148 (-4)
	164.49		104			vfs, grdg to fs; accas interbds of crsh (carb); accas calc-lined vert. fracs; accas hem-stained rip-ups & horizons									solid, mainly
						Box 76									
(8)			54			vfs; massive; grdg to fs; relatively clean									solid
											545/166.12m				153/158 (+5)
			92			vfs, as above; crsh rip-ups 12-13cm									" "
			4			drilling mud & cuttings (?)									
			14			vfs; interlamd ssh; carb lam thuc MR									brkn
			(17)												
			2			crsh; carb; hem staining common									"
(10)		167.59	23			vfs, grdg to fs; hem stain along high angle fracs; basically massive & clean									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 55

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											550'/167.64m				152/135 (-17)
	167.59		18			vfs, as above									solid
						Box 77									
			137	257		vfs, as above; calc +/- hem found/seen lining fracs									solid
											555'/169.16m				152/156 (+3)
10°			58			vfs; min interbdd ssh; carb lam common; bioturb 26-35 cm									"
						Box 78									
			21			vfs, grdg to fs; carb. lam. thin;									solid
			5			ssh; carb									brkn
			62			vfs, as above									"
		170.67	(7)			MR					560'/170.69m				153/146 (-7)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 56

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	170.67		117			vfs; basically massive; occas hem-stained haziz.									solid
						Box 79									
			41	201		vfs, as above									"
											565'/172.2 m				152/158 (+6)
			21			vfs, as above									"
			22			vfs; interbdd ssh; carb pf thinc; bedding is messed-up									solid
			7			crsh; min interbdd vfs, carb i/p									mostly solid
(10)			31	51		vfs; interbdd ssh; carb; bioturb									"
			20			vfs, grdg to fs; occas ssh lam; vert fracs									solid
			13			crsh; botrioidal pyr common thinc; carb									brkn
		173.69	30			vfs, grdg to fs; hi angle calc-lined fracs									solid; brkn @
(12)		173.74	(5)			MR									bottom

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 57

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											570'/173.74 m				153/144 (-9)
12"	173.74		20			vfs; occas each lam; high angle calc-lined fracs									solid
				103											
						Box 80									
			83			vfs, grdg to fs; loc bioturb.; occas interbdd ssh.; calc. lined fracs @ top 18 cm									"
			9			crsh.; pyritic									broken badly
			~ 45			vfs, interbdd ssh & crsh; loc each; occas hem-stained horizons & rip-ups; occas hi-angle to vert calc-filled fracs									"
											575'/175.26 m				152/157 (+5)
(14)			54			vfs, grdg to fs; occas hem-stained rip-ups & thin bdg plains									solid
						Box 81									
		176.84	99			vfs, as above; coarse each sh. lam common top 24cm; hem-stained daystone rip up (6x35cm) @ 22cm; otherwise									" (mainly)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 3B

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
						generally massive					
	176.84										
							580'/176.78 m				152/153 (+1)
14°			57			vfs; abund interbdd ssh.; carb i/p; hem-stained claystone horizon 47-49 cm; bioturb					solid
				270							
			43			sh; sandy @ top 12 cm.; black; carb i/p					broken
		178.01	17			vfs grdg to fs; abund hem-stained claystone ripups 11-14 cm; prominent vert. frac. w sparse calc. along frac.					solid
											"
						Box 82					
			26			vfs; occas carb pf					solid
			12			cgl; pebbles to 3cm.					"
				41			585'/178.31 m				153/155 (+2)
		178.68	29			cgl, as above					

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMDD8003

PAGE No. 59

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
↑	178.68		1			cA ⅔ bright vitreous bands									solid
			4			cc ; occas. csh stringers thur up to 3mm									"
			2			cB									brkn
			2			cD									solid
			4			cA									"
(16)															
			2			cC									"
			(1)			MC									
			2		3095	csh									brkn
			3			cA									solid
			2			csh									"
		178.93	2			cB									"
	178.93		7			ssh ; abund coaly stringers & carb. matter thur									"
		179.02	2			cD									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD80003

PAGE No. 60

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	179.02	179.05	3			CB									solid
	179.05		3			csh									mainly solid
			14			CC									solid
			10			CB									"
			14			CC									"
					3095										
			3			CD									"
(16)															
			4			CB									"
			13			CA									brkn badly
			(16)			MC									
			9			CB									solid
											590'/179.83m				152/135 (-17)
			(26)			MC									
			4			CB									"
	180.21	180.25	4		3096	csh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

PAGE No. 61

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 83							
	180.25		8	12	3096	csh									solid
		180.36	3			cc									"
	180.36		6			dkgrsh									solid
			10			grsh									"
			21			sh, silty i/p; carb pf thuc									"
(16)															
		180.76	3			grsh									solid
	180.76		6			csh									"
		180.91	9			dkgrsh									brkn
	180.91	180.98	(7)			MC									
	180.98		1			csh									"
			6			dksh; coal lam to 2mm thuc									"
			(6)			MR									
		181.16.	5			csh									badly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD 88003

PAGE No. 62

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	181.16		28			dkgrsh; abund. carb pf thin									solid
											595/181.36m				153/114 (-39)
			(7)			MR									
			6			dkgrsh, as above									badly broken
	181.57		(4)			MC									
			3			CB									mostly solid
		181.69	5			CC									"
	181.69		1			dkgrsh									solid
(16)					3097										
		181.73	3			csh									"
	181.73		2			CB									"
			7			dkgrsh; abund. carb pf thin									solid
	181.82		9			dksh									"
			6			CC									partly broken
8					3098										
		181.99	2			CB									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

PAGE No. 63

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	181.99		(5)			MC					
							597'/181.97m				61/44 (-17)
			7			CA					brkn partly
			2		3098	CB					"
		182.20	7			CA					"
			1			csh					"
			(1)			MR					
		182.23.	1			CA					"
(16)											
	182.23.		5			CD					"
						Box 84					
16			2			predominantly pyr in a csh. host; approx 60% by vol pyr.					Solid
				4							
			2			csh.					"
		182.35	3			CD; abund. pyr thruout					"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 64

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	182.351		(1)			MR									
		182.41	5			csh w mica pyr thur									partly brkn
	182.41		(19)			MC									
		182.64	4			CB									"
	182.64		4			dkgrsh; thin coal lams to 1mm; mica pyr									solid
			8			grsh; grdg to ssh; carb pf thur									"
16°		182.96	20			vfs; interbdd ssh; Baring down; carb pf thur									solid
											600'/182.88m				91/71 (-20)
		183.26	30			ssh; carb; prolific carb pf thur									solid
			15			crsh; carb									"
			9			grsh; carb pf thur									"
			32			dkgrsh									partly brkn
			(4)			MR - coaly rock / coal?									
			2			CC									pulverized
		183.97	9			dkgrsh									mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 65

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(16)	183.97		9			csh; carb. thur					solid
	184.06	184.48	42			vfs; interbdd ssh; calc fills chaotic fracs; carb.					"
						Box 85					
							605'/184.40 m				152/148 (-4)
22°			52			vfs; loc. grdg to fs; interbdd ssh; carb pf thur; abund calc-filled veins @ top 7cm.					solid
			22			cgl; calc-filled fracs; pebbles to 0.5cm					mostly solid
		185.38	(16)			MR					
	185.38		10		3099	CB					badly brkn
			16			CC					"
			(22)			MC					
					28		609.5'/185.78 m				138/100 (-38)
			(6)			MC					
		185.96	4			CC					solid
fault zone	185.96	186.07	11		3100	csh; sandy i/p; BCal here is close to 90° where there is thin bands to 5mm of coal w interbdd carb. ssh structurally disturbed (folded/faulted?)					mostly solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD89003

PAGE No. 66

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
(22)	186.07	186.30	23			vfs; interbdd ssh; coaly stringers thruc; extremely deformed; fract'd					solid
	186.30		6			csh; BCN v. high (70-90°); predom. csh. w/ at least 1cm CA interbdd w/ vfs & csh					brkn
					3100						
			7			vfs, as above					mostly solid
			1			CB					brkn
(53)		186.47	3			csh					"
			(11)			MC					
			9			CC					partly brkn
			7			dksh					mostly solid
						Box 86					
			(34)			MC					
			~28		3101	CA					pulverized
		187.38	2			ssh * not certain where this parting occurs (ie., loose piece of rock)					brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 67

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											614.5'/187.30m				152/101 (-51)
	187.38		(1)		3101	MC									
			4			CD									badly brkn
		187.52	9			CC									semi-solid
53	187.52		13			vfs; calc-filled fracs; carb; occas coal stringers to 2mm									mostly solid
			(7)			MR									
	187.72		10			CD; bands of coal (CA→CC) altern w thin bands of crsh to 0.5cm; coal bands from 0.5cm-1.5cm									partly brkn
			4			vfs; coal stringers thru									"
			~8			CA									pulverized
		188.10	(16)			MC									
	188.10	188.18	8			vfs; carb thru									solid
	188.18		~5			CA									pulverized
		188.32	(2)			MC									
	188.32		(73)			MR					618'/188.37m				107/61 (-46)
(21)															
		188.47	2			dk sh									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 68

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	188.47		7			grsh; carb pf thin									solid
		188.59	5			crsh; carb;									"
	188.59		1			csh									"
			(3)			MC									
			11			grsh									partly brkn
			(5)			MC									
		188.89	~10			cc									pulverized
21°	188.89		4			grsh									solid
			18			crsh									"
			6			dkgrsh									"
				10		Box 87									
		189.29	12			dkgrsh; occas coal lam to 2mm thin MR									brkn
	189.29		3		3102	cc									pulverized
		189.35	3			dkgrsh									partly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 69

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	189.35	189.37	2			CC									pulverized
											621'/189.78				91/84 (-7)
		189.40	(3)			MR									
	189.40		5			CB									mostly solid
			3			CA									"
			2			CB									"
			5			CA									solid
			5		3102	CC									"
(21)			2			CB									"
			2			csh									"
			14			CB									mostly solid
			3			CC									"
		189.88	7			CB									partly brkn

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 70

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	189.88		2			cc									partly broken
			5		3102	cB									"
			8			cA									pulverized
			(13)			MC									
		190.19	3			cD									"
(21)			12		3103	dkgrsh									solid
		190.38	7			cB									pulverized (badly)
	190.38		(2)			MR									
			32			grsh; carb; grdg to cssh									solid
											625.5'/190.65 m				137/117 (-20)
44°			16			vfs, grdg to ssh; carb matter thur									solid
			8			cssh; carb pf thur									"
		191.19	23			grsh; loc grdg to dkgrsh; thin coaly lams to 1 mm thur									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QM88003

PAGE No. 71

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 88							
(44)	191.19	191.22	3	26		grsh., as above									solid
	191.22		2			cc									"
			12			dksh ; sandy i/p ; abund. carb. matter thur									"
			1			dkgrsh									"
			4			dksh									"
(40)			20			grsh.									"
		191.62	(1)			MC/MR - coaly rock?									
	191.62		17			dkgrsh									mostly solid
			(30)			MR									
											630/192.02 m				127 106 (-31)
		192.17	8			grsh.									partly brkn
			47			dkgrsh									"
			(36)			MR									
	193.00	198.03	~3			cc									pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 72

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	193.03		14			dkgrsh									partly broken
			(5)			Me - carbonaceous?									
	"		2			csh									pulverized
			"												
		193.36	12			grsh									mostly solid
	193.36		24			Sh ; carb i/p; loc. silty									"
			(2)	16		MR		Box 89							
											635'/1935m				153/110 (-43)
			(14)			MR									
		193.90	14			sh, as above; carb i/p; carb pf thur									mostly solid
40°	193.90	194.14	24			grsh									"
	194.14		18			sh ; loc. carb ; carb pf thur ; occas coal stringers to 1cm.									solid
			(2)			MR									
		194.93	59			grsh									pulverized (2) top
	194.93		8			csh ; carb i/p w occas carb pf									solid
		195.14	(13)			MR									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QUINTETTE 3

PAGE No. 23

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
											640'/195.07m.				152/123 (-29)
	195.14		(21)			MR									
	" "	195.74	39			sh, grdg to grsh; carb w carb pf thur									solid
	195.74		18			grsh; abund carb pf thur									"
				21				Box 90							
			3			grsh, as above									mostly solid
			4			dksh									"
(40)															
			4			csh									solid
	" "		18			dkgrsh									"
		196.30	(9)			MR.									
	196.30.		3			cc									partly brkn
			10			CB									solid
			5			cc									partly brkn
		196.67	(19)			MC									
											645'/196.60m				153/104 (-49)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 74

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	196.67	196.84	(17)			MC									
	196.84		~5			grsh									rubble
			(2)			MR.									
		197.11	~20			crsh ; carb pf thur									brkn
	197.11		12			CC									"
			5			CB									"
			5			CC									badly brkn
(40)			3			csh									"
			20			dkgrsh									mostly solid
		197.60	(4)			MC									
	197.60		~25			grsh									brkn badly
			(4)			MR.									
		198.19	~30			sh ; carb thur ; abund carb pf (over/under-usrd?)									"
											650'/198.12m				152/125 (-27)
								Bby 91							

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 75

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	198.19		7			sh, as above					partly brkn.
		198.52	(26)			MR					
	198.52		57			dkgrsh; occas coal lam. to 0.5 cm					brkn i/p
		199.38	(29)	47		MR - dkgrsh?					
	199.38		(3)			MR - sh?	654'/199.34m				122/64 (-58)
			(15)			MR - sh?					
	199.56		35			dkgrsh, as above					brkn
			(11.2)	92		MR					
							658'/200.50m				122/35 (-87)
			(20)			MR					
38		200.95	12			dkgrsh					badly brkn
(40)											
	200.95		2			cc					"
		201.02	(5)			MC					
	201.02		19			dksh					"
		201.42	(21)			MR					
	201.42		3			cc					
		201.77	(32)			MC					brkn.
	201.77	201.96	(19)			MR					
	201.96		13			grsh					"
200.93			(6)	90		MR					
							663'/202.08m				152/49 (-103)
			(84)			MR					
		203.07	8			grsh					"
							666'/203.00m				92/8 (-84)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 76

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
								Box 92							
	203.07		4			vfs									solid
(40)															
			8			dkgrsh									"
	203.19	203.21	2			cD									badly brkn
			(13)			MC									
			2			CC									"
	203.36	203.44	8			csh									partly brkn
	203.44		4			CB									brkn badly
			2			CC									"
(20)															
			6			CB									partly brkn
		203.64	8			CA									mostly solid
	203.64	203.69	5			csh									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD89003

PAGE No. 77

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	203.69		29			dkgrsh									brkn badly
			(16)			MR									
	204.14		6			CD									pulverized
			4			dkgrsh									badly brkn
	204.24		6			CB									pulverized
											670'/204.22m				94/122 (-28)
		204.31	(7)			MC									
(20)			7			grsh ; occas coaly lams									partly brkn
			32			vfs; carb thinc, calc-filled fracs grdg to ssh									solid
	204.76		2			CB									brkn
			1			CD									solid
			6			CB									brkn
			(4)			MC									
			6			CA									"
	204.95	204.96	1			vfs ; carb thinc									solid

3104

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 78

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m it.	FRACTURE TYPE AND CHARACTERISTICS
17	204.96		2			cb									brkn
			(12)			MC									
			6			cc									"
	205.16		2			dkgrsh									mostly solid
	205.18		3		3104	CA									"
			4			dksh									"
								Box 93							
		205.30	5			CA									solid
			3			dkgrsh									"
			2			gssh									"
20°			29			vfs, lac godg to fs; carb pf thuc									"
			(18)	} 22		MR									
		205.86	(4)			MR					625/205.74m				152/111 (-41)
	205.86	206.92	(6)			MC									
	206.92		(8)			MR.									
		206.13	12			csbc; sheared up									brkn/@top 3cm

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 79

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	206.13		11			CC ; extensively sheared									solid., brkn @
		206.88	- (14)			MC									bottom
			3			CSh									solid
			7			CB									mostly solid
		206.54	6			CC									"
	206.54		8			CD, grdg to CSh									"
(20)															
			9			CC									brkn badly
			(5)			MR (CD?)									
	206.76		22			CB									pulverized
			(3)			MC									
			6		3105	CD									solid
			8			CB									"
24															
		207.34	24			CA									pulverized
											680/207.76				LSZ III (-41)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 80

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	207.34		(2)			MC									
			1			dksh									brkn badly
			2		3105	cc									"
(20)			(6)			MC									
			6			cA									"
		207.56	5			cc									"
			2			dksh									brkn
			5			dkgcsh									"
			2			csh									"
(64)		207.66	1		3106	cA									"
			6			dkgcsh									"
			(4)			MR		Box 94							
	207.76		10			CB; eccas pieces of csh mixed in									pulverized
			(2)			MC									
	207.88	207.92	4			gcsh; silty i/p									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMDBB003

PAGE No. 61

B C N.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	207.92		12			vfs grdg to ssh; carb pf thur									solid
			10			crsh; carb i/p									"
			7			grsh; incr carb									"
			(5)			MR									
			10			dksh									brkn
			(4)			MR									
	208.40		5			csh									"
			(8)			MR									
	208.53		5			CA									pulverized
											684'/208.48m				122/93 (-29)
		208.68	(10)			MC									
64"	208.68	208.76	8			CD; interbdd dksh & coal (CB-CC); beds 1-2cm (dip angle is so hi that to discriminate the true rep. of strat is impossible)									mostly solid
			(3)			MC									
			1			CC									"
(62)			4			CA									"
		208.85	1			CD									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 82

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	208.85	208.89	4			CA									solid
62°			12			dksh									"
			1			CB									mostly solid
			1			dksh									"
			1			CA									"
+38		209.15	11			CD; occas bands to 0.5cm of v. clean coal in an otherwise csh sequence									solid
	209.15		(21)			MC									"
			7			CD.									badly brkn
		210.08	65		3107	CA; rare shaly partings Box 95									pulverized
											689'/210.00				152/116 (-36)
(71)	210.08		25		3108 (Sulphur Analysis)	pyrite - 50% by volume in ash host w calc. veining									solid
30			3			csh									badly brkn
		210.38	(2)			MB									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 83

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	210.88		13			CB; occas csh bands to 0.5 cm									pulverized
			8			CA									"
			(29)			MC									
			6			CB									"
			10			CA									"
		211.34	30			CB; generally v. clean coal in multiple hi ash partings to 2mm									solid
	211.34		3			dksh; silty i/p									pulverized
		211.40	(3)			MR									
(71)	211.40		14			CA									"
			6		3109	CD									"
			(8)			MC									
			13			CB									"
		211.75	4			CC									badly bckn
											699.5/211.68				168/125 (-43)

* NOTE: core is generally pulverized & poorly organized so descriptive log is a poor rep. of actual strat. Also bdg angle is v. hi, ∴ inscnts difficult (~80°)

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 84

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
49	211.75		4		3109	CA									brkn
			3			CB									"
71°	211.82	211.92	10			csh									"
			7			CD									"
			(3)			MC									
		212.07	5			CC									pulverized
	212.07		15		3110	dkgrsh									partly brkn
															"
				24				Box 96							
			9			dkgrsh									brkn
			3			dksh									"
		212.39	(5)			MR									
	212.39		3			CB									pulverized
		212.44	(2)			MC									
61°			13			dksh; occas coal stringers to 2mm.									solid
	212.57	212.70	13		3111	CA									pulverized

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 85

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	212.70		4			CB									brkn
			10			CA									pulverized
			5			CB; occas. shaly stringers to 0.5 cm.									badly brkn
(61)			(37)			MC									
		213.28	2			CA									powder
											699.5'/213.21m				153/106 (-49)
	213.28		9			dkgrsh; occas. coal laye. to 3mm									solid
		213.47	(10)			MR									
	213.47		3		3111	CB									pulverized
			(14)			MC									
			6			CD									badly brkn
			14			CB									mostly solid
(72)															
	218.84	218.90	6			csh									solid
			2			CB									pulverized
			(9)			MC									
		214.05	4			CC									solid

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

PAGE No. 86

BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	214.05		12			CB									solid
		214.20	(3)			MC									
											202.5'/214.12m				91/56 (-35)
			3			CB									v. badly brkn
			(36)			MC									
			3			CD									"
			6			CB									"
			(6)			MC									
			11			CA									"
(72)			3			CC									"
	214.88.	214.91	3		3111	dksh									"
			(26)			MC									
		215.25	8			CB									"
	215.25		(12)			MR									
		215.39	2			csh									"
	215.39		(18)			MC									
		215.70	13			CB									"
						Box 97									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMDB8003

PAGE No. 87

BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	215.70		8			CA									brkn.
			(10)	34		MC					708'/215.80m				168/60 (-108) +2
			(24)			MC									
			8			CB									brkn.
72°	216.20		12			dksh.									mostly solid
			4			CA									partly brkn.
			2			CD									"
		216.40	(2)			MR.									
	216.40		5		3111	CA									brkn. "
			16			CB									baddly brkn.
			(3)	8		MC									
											710.5'/216.56m				76/47 (-29)
		216.69	(5)			MC									
	216.69		7			csh									brkn.
32		216.83	(7)			MR									
	216.83		3			CB									partly brkn.
		216.94	8			CA									"

DRILL CORE LOG

Quintette Coal Limited

HOLE No. QMD88003

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	216.94		2			CB									brkn
			4			CC									"
(72)															
			3			CB									"
			7			CA									"
			(31)			MC									
	217.41		5			dkgrsh									"
		217.48	(2)			MR									
			8			CA									pulverized
			6		311	CB									brkn
56°			9			CC									"
		217.91	(20)			MC					714'/217.63 m				107/64 (-43)
	217.91		7			dkgrsh									badly brkn
		218.05	(7)			MR									
	218.05	218.56	(46) 5			MC CB									"
						Box 98									

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
40	218.56	218.96	40			csh; carb i/p; carb coat & pf									solid
											218'/218.85m				122/52 (-70)
			147			csh, as above									solid, partly
			(2)			MR									broken @ bottom
											723'/220.37m				152/147 (-5)
(56)						Box 99									
			31			csh, silty i/p; carb pf thin									solid "
			5			ssh, grdg to vfs; carb pf thin									"
			14			csh, as above									"
			13			gssh; rarely carb									"
			45			sh; loc silty; carb i/p									"
		221.85	32			gssh; carb pf thin									"

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	221.85		(12)	19		MR									
											728'/221.89m				152/140 (-12)
		222.04	(7)			MR									
			9			CA									partly brkn
			1			CD									"
			(7)												
			3			CC									mostly solid
			3			CB									"
			2			CC									"
(56)															
	222.29.		3			CD									"
		222.34	(2)			MR									
			3		3112	CC									"
			9			CB									brkn
			1			CA									"
			(8)			MC									
			3			CC									"
	1	222.53	7			CA									"

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
33	222.53		(7)			MR									
		222.62	2			CD									brkn
	222.62		(14)			MC									
			6			CA									partly brkn
			3		3112	CB									"
			2			CC									mostly solid
			4			csh									"
(56)		223.02	11			CC									partly brkn
			5			csh, grdg to CD									" "
				12				Box 100							
		223.14	7			csh, as above									solid
	223.14		6			dk sh									"
(28)			5			dkgrsh									"
		223.40	15			csh; carb i/p; carb pf thin									"

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	223.40		21			ssh; occas. carb. pf									solid
28°			23			vfs; interbdd ssh; carb pf thruc									"
				39							234/223.22	m			183/142 (-41)
			16			vfs, as above; loc grdg to fs.									"
			7			sh; splintery									brkn
34°			7			vfs, as above									solid
			8			ssh; occas carb pf									"
			8			crsh									"
			61			sh; slightly carb MR.									brkn (partly)
			(-2) (9)												
	225.00		8			grsh; incrly carb MC.									"
		225.35	(27)												
	225.35	225.40	5			cgl; grdg to v.cs; carb matter thruc									"
											238/224.94	m			122/120 (-2)

DRILL CORE LOG

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BCN	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	225.40		12	↑		cgl, as above; carb matter thur top 5cm					partly brkn
				99		Box 101					
		226.34	~82	↓		cgl; pebbles generally <0.5cm; occas carb pl; badly fract					badly brkn
(34)							742/226.16m				122/94 (+28)
			60	117		cgl, as above; occas interbdd v. cs					partly brkn
						Box 102					
			57			cgl; occas fracs; pebbles to 1cm but gen <0.5cm					mainly solid
			17			v. cs; occas pebbles to 2mm					"
			7			cgl, as above					brkn
				95			745/227.08m				92/141 (+49)
		228.63	88			cgl; incrly coarse-grained; pebbles to 2cm; fracd thur					partly brkn

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION: Strat. Lithology / Grain Size / Fresh Colour / Bedding Charact. / Other Sed. Charact.	MARKER rec, r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	228.63		(35)			MR					
							151/228.90				182/88 " (-84)
			4			cgl, as above					solid
				66		Box 103					
			62			cgl, as above					partly brkn
(34)			(25)			MR					
							154/229.81				91/66 (-25)
			~ 55			cgl; pebbles to 2.5cm, generally ≤ 0.5cm					brkn badly
			(30)			MR					
			~37			v.cs; accas pebbles to 3mm					"
				51			158/231.03m				122/92 (-30)
			14			v.cs					partly brkn
			(4)			MR Box 104					
		231.72	43			v.cs; accas pebbles to 1cm					brkn
							160/231.64m				61/57 (-4)

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BCN.	UNIT From	UNIT To	THICKNESS Apparent	THICKNESS True	SAMPLE NO.	LITHOLOGY DESCRIPTION Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.	MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m bd.	FRAC/m jt.	FRACTURE TYPE AND CHARACTERISTICS
	231.72		(7)			MR									
			18			v.cs, as above; occas bands of cgl to 3cm.									partly brkn
			17			cgl; pebbles to 2cm									mostly solid
(34)			11			v.cs.									"
			72	100		cgl; pebbles to 2cm; occas bands of v.cs; v. porous @ bottom 22 cm.									semi-brkn
		233.25	28			Box cgl; pebbles to 1.5 cm; v. porous; frac'd									solid
											765/2331.7m				153/14b (-7)
						E of H.									

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