GAMMA RAY & NEUTRON POROSITY

BOREHOLE [illegible]
CLIENT [illegible]

AREA [illegible]
COUNTRY [illegible]
DATE LOGGED [illegible]

DEPTH SCALE 1:500

BOREHOLE DATA — REFER TO ELEVATION — LOG
OPERATION DATA — REFER TO — LOG

EQUIPMENT AND RECORDING DATA

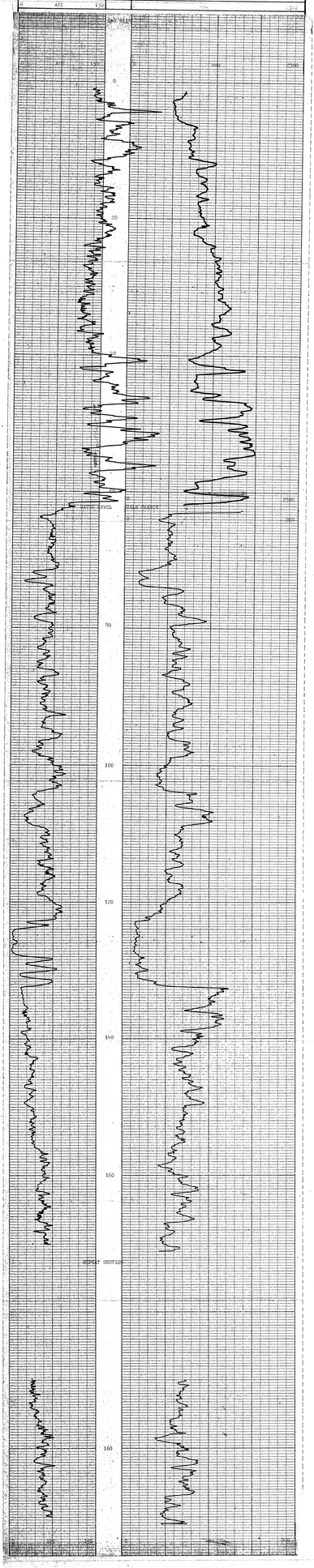
LOG	TRACK	TRACK	PANEL	PANEL	LOG
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

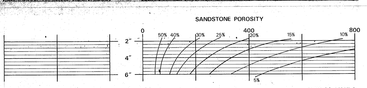
REMARKS

615

PR - QUINTETTE 8/13/D



SANDSTONE POROSITY



MF (1) A3449 B

BOREHOLE [illegible]
CLIENT [illegible]
AREA [illegible]
COUNTRY [illegible]

PR-QUINTETTE 8/6/A

NUTRON - NUTRON

BOREHOLE QRD 011

CLIENT Denton Mines

AREA Pilgrim

COUNTY Canada

DATE LOGGED 11 - 11 - 85

RUN NO. 1

DEPTH INTERVAL 0.0 - 171.0

LOG TIME 1.0 HRS

BOREHOLE DATA

REFER TO lithology LOG

OPERATION DATA

REFER TO lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	RUNNING SPEED	RECORDING SPEED	PANEL	LOG
N.N.	7	2	1	7
S.P.	7	2	1	7
SANDSTONE POROSITY	7	2	1	7

REMARKS

615

DEPTH	NUTRON - NUTRON
	500 2000

SANDSTONE POROSITY

0 50% 40% 30% 25% 20% 15% 10% 500

4" 6" 8"

5%

MT (3) A54481 R

500 2000

00 20 40 60 80 100 120 140 160 171 150 160 170

WATER LEVEL

NEGRAT DIRECTION

DEPTH	NUTRON - NUTRON
	500 2000

BOREHOLE QRD 011

CLIENT Denton Mines

AREA Pilgrim

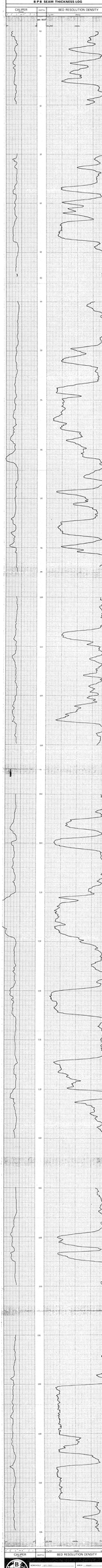
COUNTRY Canada

MT A54481R

615

SEAM THICKNESS LOG

B P B SEAM THICKNESS LOG



SEAM THICKNESS LOG

Pre-Quintette 8(3)h

BPB

COAL QUALITY LOG

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY, L.S. DENSITY

BOREHOLE QMR 8119

CLIENT Denison Mines

AREA Frame

COUNTRY Canada

DATE LOGGED 11/10/81

DEPTH SCALE 1:20

3 OF 4 LOGS

BOREHOLE DATA — REFER TO LITHOLOGY LOG

OPERATION DATA — REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	LOG TAPED	RECORD SPEED	DIREC. or REPLAY	SPEED	TC SECS	NORM	CAL COEFF
GAMMA RAY	✓	2	R	2	1		1.54
L.S. DENSITY	✓	2	R	2	.3		8.0

SOURCE, SONDE AND CALIBRATION — REFER TO LITHOLOGY LOG

COAL QUALITY LOG INTERVALS

FROM	194	170	160	126	81	63	52
TO	186	166	146	120	70	58	49
INTERVAL	8	4	14	6	11	5	3

INTERVAL TOTAL = 51

REMARKS

6/5

BPB COAL QUALITY LOG

	DEPTH	GAMMA RAY
		COAL BULK DENSITY g/cm3

HOLE SIZE CORRECTION DATA

		COAL BULK DENSITY g/cm3
	DEPTH	GAMMA RAY

BPB

BOREHOLE QMR 8119

CLIENT Denison Mines

AREA Frame

COUNTRY Canada

COAL QUALITY LOG

MY 88002 R

BPB

BOREHOLE (gen. no.) 615

CLIENT Jacques Nixon

AREA Diama

COUNTRY Senegal

DATE LOGGED 11/12/74

RUN NO. 1

DEPTH DRILLER 200

DEPTH LOGGER 200

BOTTOM LOGGED INTERVAL 200

TOP LOGGED INTERVAL 0

CASING DRILLER 0

CASING LOGGER 0

BIT SIZE 8"

TYPE FLUID IN HOLE Water

DENSITY 1.0

VISCOSITY

PH

FLUID LOSS

SOURCE OF SAMPLE

RM @ MEAS. TEMP.

RMF @ MEAS. TEMP.

RMC @ MEAS. TEMP.

SOURCE OF RMF

SOURCE OF RMC

RM @ BHT

TIME SINCE CIRC.

MAX. REC. TEMP.

EQUIPMENT AND RECORDING DATA

OPERATOR DATA

BOREHOLE DATA

REMARKS

615

GAMMA

GR1 0 API 200

DEPTH

SHU 500 1500

SHALLOW RESISTIVITY

SHU 500 1500

WATER LEVEL

REPEAT SECTION

DEEP RESISTIVITY

SHU 500 1500

CHART SCALE RATIO 1:500

BPB

BOREHOLE (gen. no.) 615

CLIENT Jacques Nixon

AREA Diama

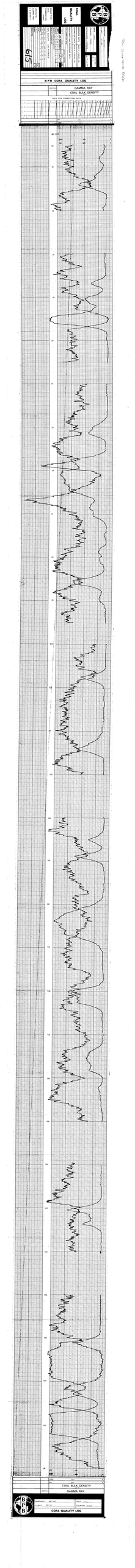
COUNTRY Senegal

GAMMA

GR1 0 API 200

DEPTH

SHU 500 1500


615
COAL QUALITY LOG
BPB COAL QUALITY LOG
GAMMA RAY
COAL BULK DENSITY
HOLE SIZE CORRECTION DATA
API UNITS
COAL BULK DENSITY
GAMMA RAY
COAL QUALITY LOG

Pre-Quantitate 86h

NEUTRON-NEUTRON

BOREHOLE QRR 8120

CLIENT Denison Mines

AREA Frame

COUNTRY Canada

DATE LOGGED 12/10/81

DEPTH SCALE 1:200 1.0m 5.1000

BOREHOLE DATA REFER TO Lithology LOG

OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	FANS	LOG
LOG	RECORDING	SPEED	LOG
H-S	1	1	1
	2	2	2
	3	3	3
	4	4	4
	5	5	5
	6	6	6
	7	7	7
	8	8	8
	9	9	9

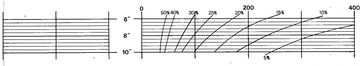
REMARKS

HOLE	DIAM	PUMP	DEPTH
0	200	0	1

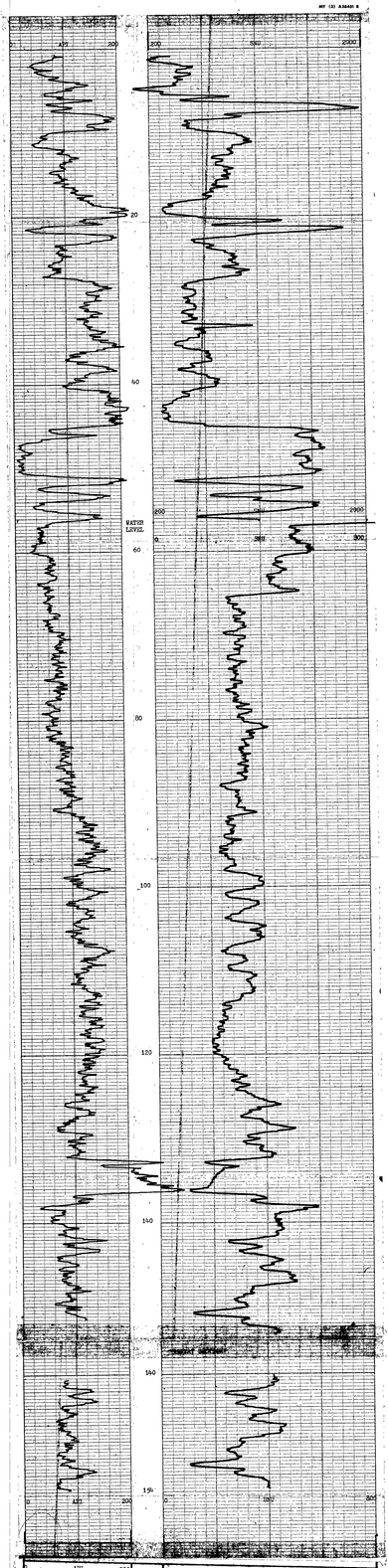
615

GAMMA	DEPTH	NEUTRON-NEUTRON
API 200		0 NSU 2000

SANDSTONE POROSITY



REF (3) A38481 B



GAMMA	DEPTH	NEUTRON-NEUTRON
API 200		0 NSU 2000

BOREHOLE QRR 8120

CLIENT Denison Mines

AREA Frame

COUNTRY Canada

COAL LITHOLOGY LOG

BPB

BOREHOLE	QRS120
CLIENT	DENTON
AREA	FRASER
COUNTRY	CANADA
DATE LOGGED	15/10/81
DEPTH SCALE	1:200

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY, BULK DENSITY, CALIPER

ROBOTOMAN DATA

DIAMETER OF H.O.	6"
DIAMETER OF P.O.	2 3/8"
PERMANENT DATUM	GROUND LEVEL
DATUM ABOVE GROUND LEVEL	0
MEASUREMENTS TAKEN FROM	DRILLER
DRILLER'S DEPTH	0
LOGGER'S DEPTH	0

FLUID DATA

MUD TYPE	AIR			
FLUID LEVEL				
CASING SIZE	1	0	2	0
CASING WEIGHT				
BIT SIZE	1	0	2	0
BIT WEIGHT				
CASING SHOES	1	0	2	0

OPERATION DATA

DIST. BETWEEN SONDES	1.5m	
DIST. BELOW LOWER SONDE	0	
MAX. TRUCK SPEED	15m/min	
MAX. RECORDING SPEED	15m/min	
RECORDING INTERVALS	0.1m	
MONITOR NO.	6	
RUN NO.	1	
DATE	30/10/81	

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	EQUIPMENT			TAPING			PANEL			COAL CODE	DEPTHS			SEAM LOG RUN
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INSERUN	
GAMMA RAY & DENSITY	101			y	9	4	9	1		1.5%	15%	0	155	y
CALIPER		5822		y	9	4	9	.3	8.01		155	0	155	y
		POSITION		y	9	4	9	.3			155	0	155	y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

FROM		152	66	24	10	INTERVAL TOTAL
TO		149	43	19	5	
INTERVAL		3	3	5	5	16m

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL / DETAIL SCALE LOG/SCALE LOG
204	N-N	
217/225	DEP	

REFER TO ADDITIONAL HEADINGS

REMARKS

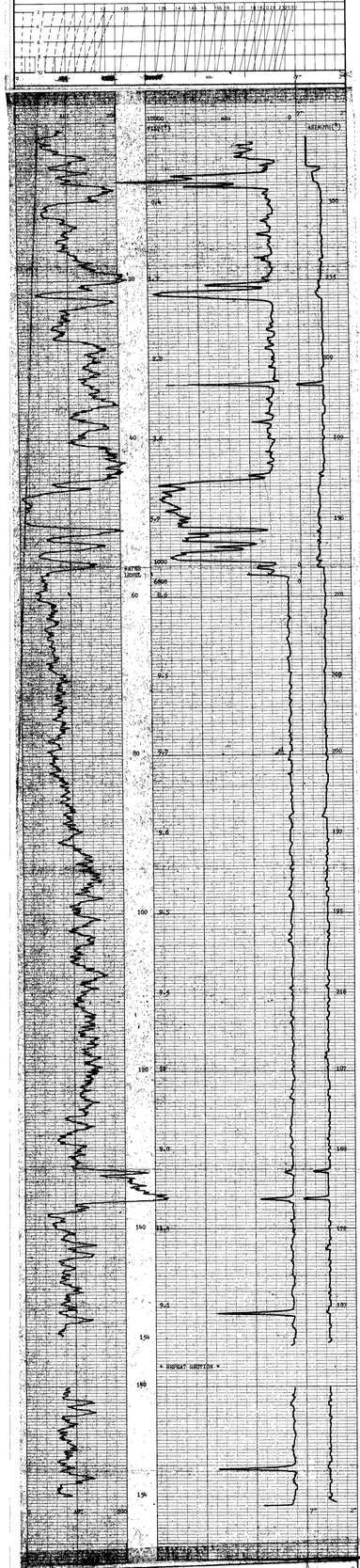
BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No	VALUE @ 2 OHM	JIG CAL DATE	JIG VALUE SDU/Q g/cm³
JIG MARK SHOWN AT ABOVE VALUE -		JIG No	SPAN NORM

GAMMA RAY	DEPTH	BULK DENSITY g/cm³	CALIPER INCHES

HOLE SIZE CORRECTION DATA



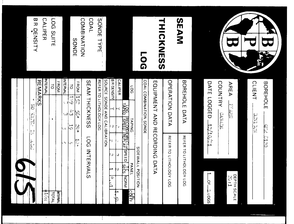
GAMMA RAY	DEPTH	BULK DENSITY g/cm³	CALIPER INCHES

BPB

BOREHOLE	QRS120	AREA	FRASER
CLIENT	DENTON	COUNTRY	CANADA

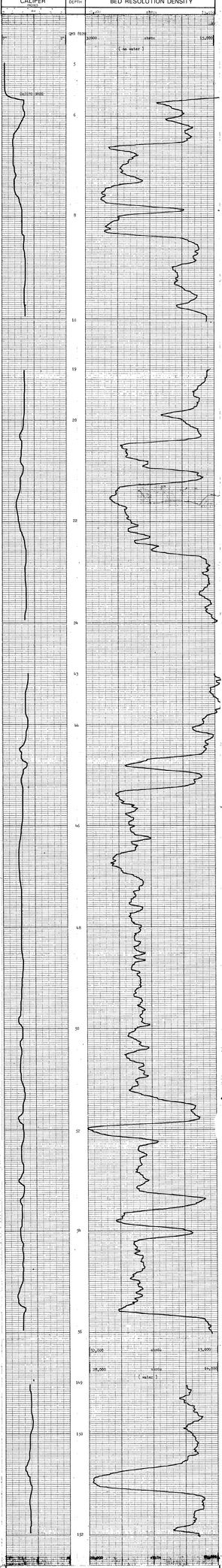
COAL LITHOLOGY LOG

Pr. Quinette 8(3b)



B P B SEAM THICKNESS LOG

CALIPER (INCHES) | DEPTH | BED RESOLUTION DENSITY (gm/cc)



CALIPER (INCHES) | DEPTH | BED RESOLUTION DENSITY

BOREHOLE | AREA
CLIENT | COUNTRY

SEAM THICKNESS LOG

Pr. Quintette 81(3)A

NEUTRON-NEUTRON

BOREHOLE QNR 8120

CLIENT Denison Mines

AREA Frame

COUNTRY Canada

DATE LOGGED 12/10/81

OPPOSITE CASING 1120 to 1500

BOREHOLE DATA

REFER TO	Lithodensity	LOG	

OPERATION DATA

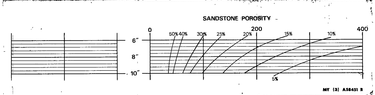
REFER TO	Lithodensity	LOG	

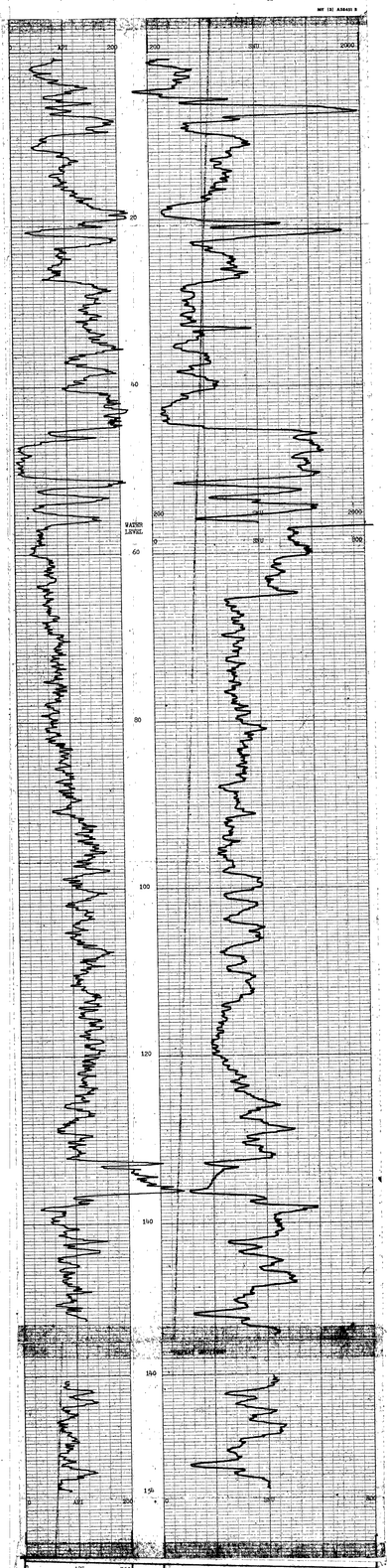
EQUIPMENT AND RECORDING DATA

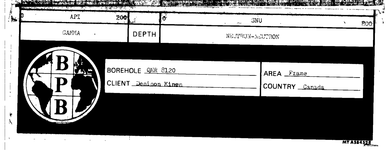
LOG		PANEL	
LOG		PANEL	
MAGNIFICATION			
SCALE			
X			
Y			
RECORDING SPEED			
SCALE			
1			
2			
5			
10			
20			
50			
100			
200			
500			
1000			
2000			

REMARKS

615







BOREHOLE QNR 8120

CLIENT Denison Mines

AREA Frame

COUNTRY Canada

Pr. Quaternary 8/6/93

BOREHOLE	[illegible]
CLIENT	[illegible]
AREA	[illegible]
COUNTRY	[illegible]
DATE LOGGED	11/7/91
DEPTH	1.00 – 1.00

COAL QUALITY LOG

LOG TYPE	COAL QUALITY
COMBINATION SONDE	GAMMA RAY L.S. DENSITY
SONDE TYPE	COAL COMBINATION SONDE
COAL QUALITY	LOG INTERVALS
RETRIEVING SONDE	NO
MEASURING SONDE	NO
LOG	YES
COAL QUALITY	YES
GAMMA RAY	YES
L.S. DENSITY	YES
RECEIVER	615

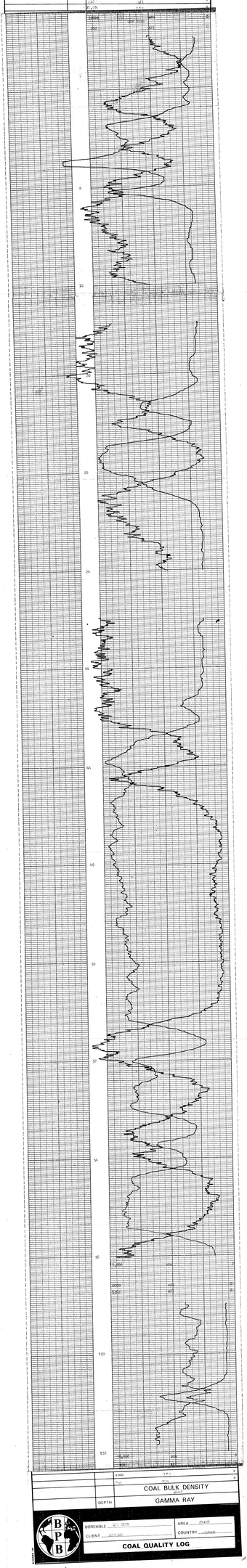
BOREHOLE DATA	REFER TO LIT-LOG-100
OPERATION DATA	REFER TO LIT-LOG-100
EQUIPMENT AND RECORDING DATA	
COAL COMBINATION SONDE	

LOG	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

B P B COAL QUALITY LOG

DEPTH	GAMMA RAY
	COAL BULK DENSITY

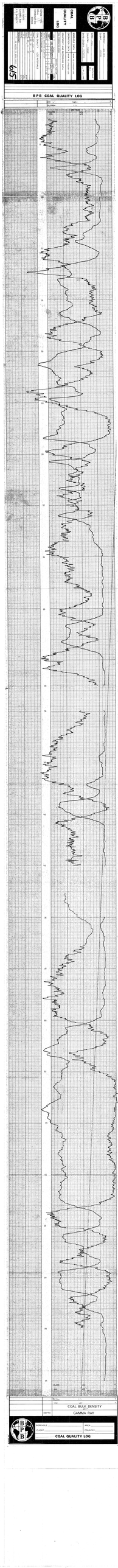
HOLE SIZE CORRECTION DATA



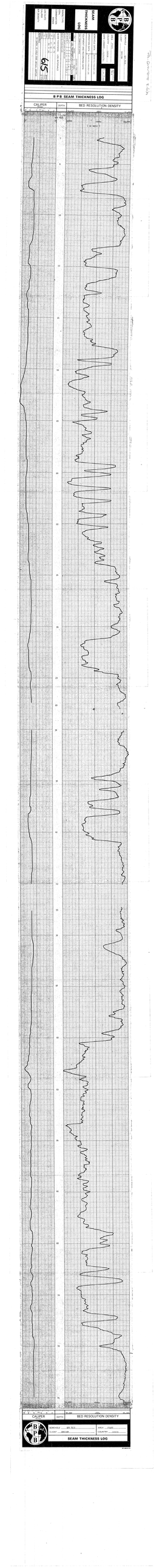
	COAL BULK DENSITY
DEPTH	GAMMA RAY

BOREHOLE	[illegible]
CLIENT	[illegible]
AREA	[illegible]
COUNTRY	[illegible]

COAL QUALITY LOG



COAL QUALITY LOG
BPB COAL QUALITY LOG
COAL BULK DENSITY
GAMMA RAY
COAL QUALITY LOG


BPB
SEAM THICKNESS LOG
BPB SEAM THICKNESS LOG
CALIPER
DEPTH
BED RESOLUTION DENSITY
SEAM THICKNESS LOG

COAL LITHOLOGY LOG

BPB

LOG SUITE: GAMMA RAY / L.S. DENSITY / CALIPER

LOGGING COMBINATION SONDE:

SONDE TYPE:

BOREHOLE	
CLIENT	
AREA	
COUNTRY	
DATE LOGGED	
RUN No.	
DEPTH DRILLER	
DEPTH LOGGER	
BTM LOG INTERVAL	
TOP LOG INTERVAL	

BOREHOLE DATA

PERMANENT DATUM	
ELEVATION OF	
LOG MEASURED FROM	
DRILLING MEASURED FROM	
CASING SIZE	
CASING DEPTH	
DEPTH REACHED	
BIT SIZE	
TYPE FLUID IN HOLE	
DENSITY	
VISCOSITY	
PH	
FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE RMF / RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

CASING SIZES		
	in	mm
1		
2		
3		

OPERATION DATA

	RUN No.	RUN No.	RUN No.
TIME SINCE CIRC.			
MAX. REC. TEMP.			
EQUIP. LOCATION			
RECORDED BY			
WITNESSED BY			

	RUN No.	RUN No.	RUN No.
TIME			
DATE			
DRILLER'S DEPTH			
LOGGER'S DEPTH			
BTM LOG INTERVAL			
TOP LOG INTERVAL			
CASING SIZE			
CASING WEIGHT			
BIT SIZE			
TYPE FLUID IN HOLE			
DENSITY			
VISCOSITY			
PH			
FLUID LOSS			
SOURCE OF SAMPLE			
RM @ MEAS. TEMP.			
RMF @ MEAS. TEMP.			
RMC @ MEAS. TEMP.			
SOURCE RMF / RMC			
RM @ BHT			
TIME SINCE CIRC.			
MAX. REC. TEMP.			
EQUIP. LOCATION			
RECORDED BY			
WITNESSED BY			

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	EQUIPMENT: SONDE	EQUIPMENT: SOURCE	EQUIPMENT: CALIBRATOR	TAPING: LOG HARD	TAPING: RECORD SPEED	TAPING: DIRECT REPLAY	PANEL: SPEED	PANEL: T.C. SECS	CAL CURVE	DEPTHS: NORM	DEPTHS: FROM	DEPTHS: TO	DEPTHS: MORE	SEAM LOG RUN
GAMMA RAY														
DENSITY	101	5023												
CALIPER	SIDEWALL POSITION													

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

	FROM	TO	INTERVAL	INTERVAL TOTAL

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL & DETAIL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

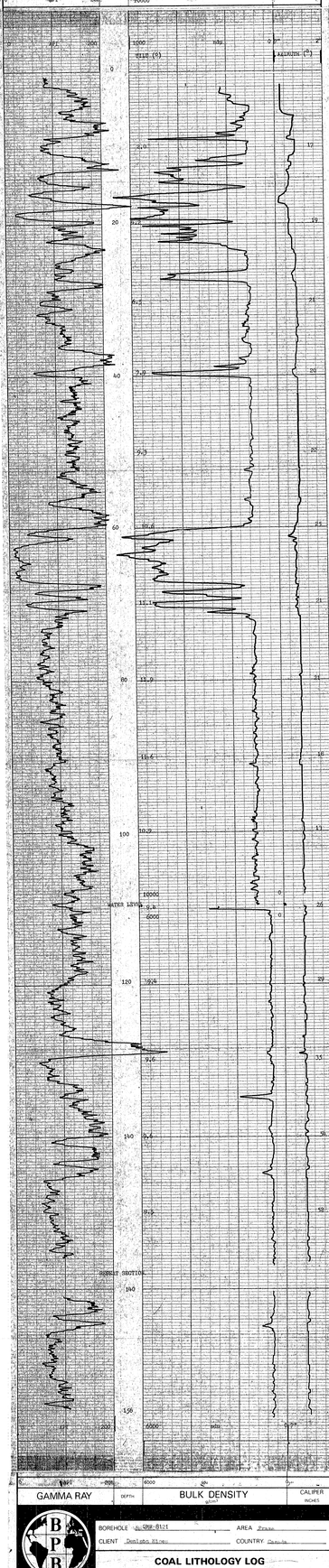
BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No	VALUE @ 2" DIAM	JIG CAL DATE	JIG VALUE	SDU @	g/cm³	PA	GA
JIG MARK SHOWN AT ABOVE VALUE =		JIG No	SPAN	NORM	g/cm³	PA	GA

GAMMA RAY | DEPTH | BULK DENSITY g/cm³ | CALIPER INCHES

HOLE SIZE CORRECTION DATA



GAMMA RAY | DEPTH | BULK DENSITY g/cm³ | CALIPER INCHES

BPB

BOREHOLE SB 98-8121 AREA Zimbabwe

CLIENT Dentaba Mining COUNTRY Zimbabwe

COAL LITHOLOGY LOG

M1 A10241 E

PR. QUARTER 8(5)

GAMMA RAY & NEUTRON-NEUTRON LOGS

BOREHOLE QBS121
CLIENT DENISON

AREA FRANC
COUNTRY CANADA
DATE LOGGED 12/10/81

DEPTH SCALE 1" = 1 OF 1000'

BOREHOLE DATA REFER TO LITHOLOGY LOG
OPERATION DATA REFER TO LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	PANEL	SPEED
GAMMA	1	1	1
NEUTRON	1	1	1
NEUTRON	1	1	1
NEUTRON	1	1	1
NEUTRON	1	1	1

REMARKS

615

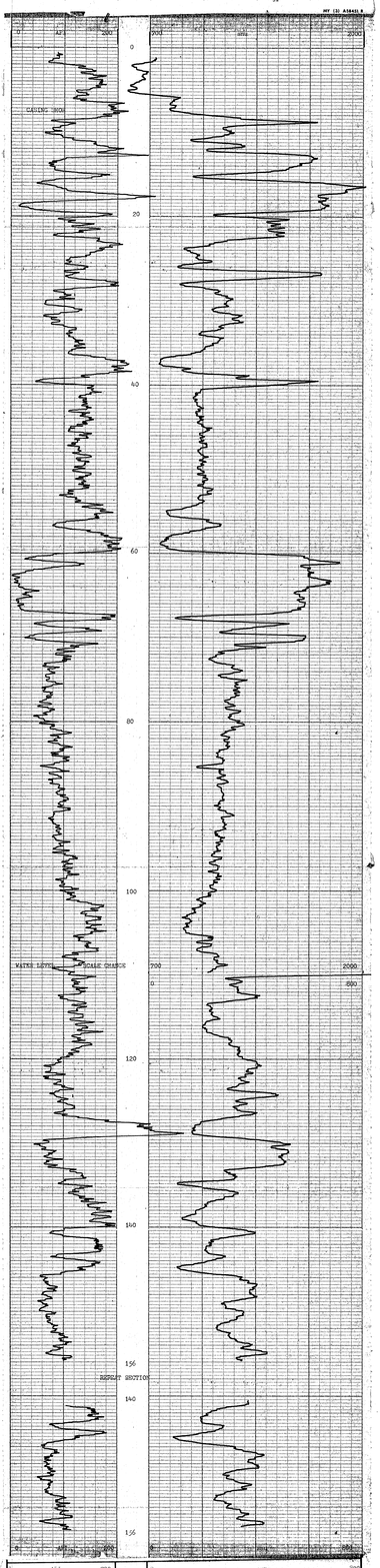
GAMMA RAY | DEPTH | NEUTRON-NEUTRON

0 AFT 200 | 700 NEW 2000

SANDSTONE POROSITY

0 50% 40% 30% 25% 20% 15% 10% 5%

6" 8" 10"



0 AFT 200 | 0 NEW 800

GAMMA RAY | DEPTH | NEUTRON-NEUTRON

BOREHOLE QBS 8121
CLIENT DENISON

AREA FRANC
COUNTRY CANADA

BP B

BOREHOLE NO. [illegible]
CLIENT [illegible]
AREA [illegible]
COUNTRY [illegible]
DATE LOGGED [illegible]

BOREHOLE DATA
MAIN HOLE DIAMETER 8.5
CASING DIAMETER 7.0
EQUIPMENT AND RECORDING DATA
MAIN HOLE DIAMETER 8.5
CASING DIAMETER 7.0
EQUIPMENT AND RECORDING DATA
[illegible]

COAL QUALITY LOG

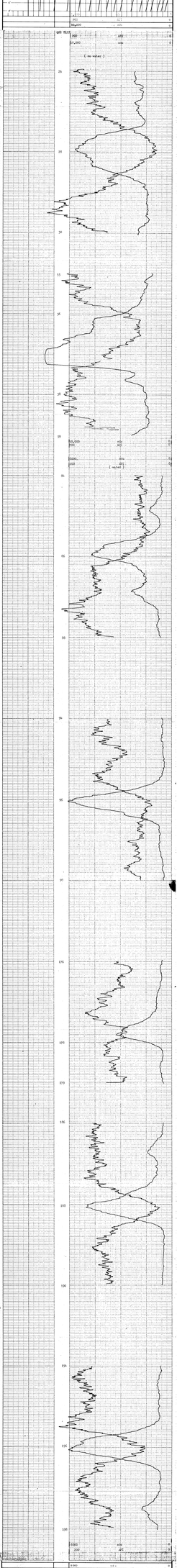
LOG TYPE
COAL QUALITY
CONDITIONS
COAL TYPE
COAL QUALITY LOG INTERVALS
GAMMA RAY
COAL BULK DENSITY

615

BPB COAL QUALITY LOG

DEPTH — GAMMA RAY / COAL BULK DENSITY

HOLE SIZE CORRECTION DATA

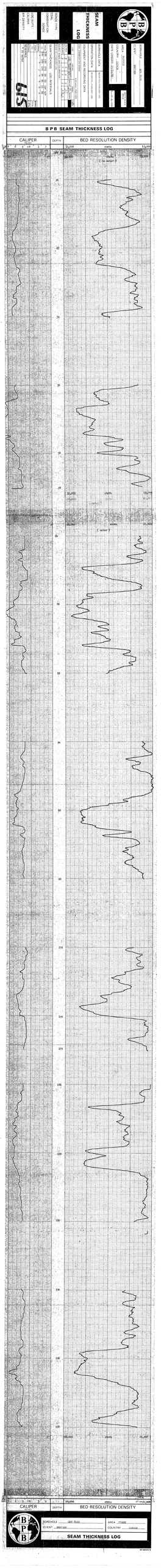


COAL BULK DENSITY

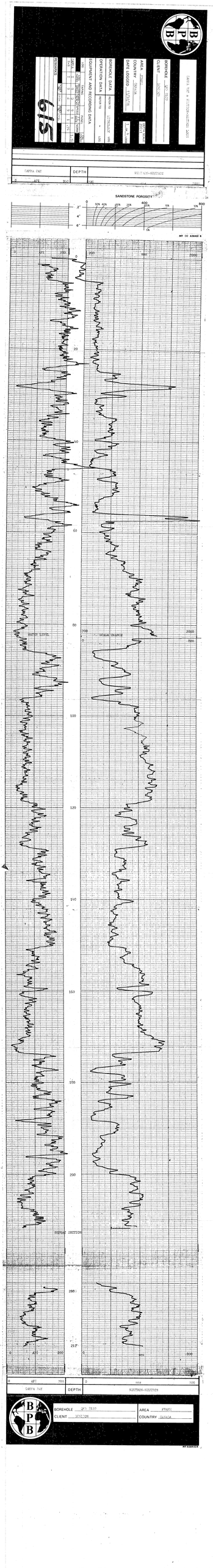
DEPTH — GAMMA RAY

BOREHOLE [illegible]
CLIENT [illegible]
AREA [illegible]
COUNTRY [illegible]

COAL QUALITY LOG



SEAM THICKNESS LOG
BOREHOLE
CLIENT
AREA
COUNTRY
DATE
SEAM THICKNESS LOG
B P B SEAM THICKNESS LOG
CALIPER
DEPTH
BED RESOLUTION DENSITY
(no water)
(water)
CALIPER
DEPTH
BED RESOLUTION DENSITY
BOREHOLE
CLIENT
AREA
COUNTRY
SEAM THICKNESS LOG



GAMMA RAY + NEUTRON-NEUTRON LOGS
BOREHOLE
CLIENT
AREA
COUNTRY
DATE LOGGED
BOREHOLE DATA
OPERATION DATA
EQUIPMENT AND RECORDING DATA
REMARKS
615
GAMMA RAY
DEPTH
NEUTRON-NEUTRON
SANDSTONE POROSITY
WATER LEVEL
SCALE CHANGE
REPEAT SECTION

COAL LITHOLOGY LOG

BPB

BOREHOLE	QMR 8122
CLIENT	DENISON
AREA	FRAME
COUNTRY	CANADA
DATE LOGGED	13/10/81
DEPTH SCALE	200:1
	1 OF 4 LOGS

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY, L.S. DENSITY, CALIPER

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL	
ELEVATION OF P.D.	"	"
	BPB	DRILLER
MEASUREMENTS FROM	G.L.	G.L.
DEPTH REACHED	212m	
CASING SHOE		
BIT SIZES	1 TO	2 TO
	3 TO	4 TO
CASING SIZES	1 TO	2 TO

FLUID DATA

NATURE	
S.G	
LEVEL	82m
VISCOSITY	
Rm at meas. temp	
B.H.T.	

OPERATION DATA

FIRST READING	212m
LAST READING	0
INTERVAL LOGGED	212m
UNIT-TRUCK No.	HELI
ENGINEER	DW/GM
WITNESS	

6/5

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	TC SECS	NORM	CAL COEFF	FROM	TO	INTERVAL	SEAM LOG RUN
GAMMA RAY	101			y	9	d	9	1		1.54	212	0	212	y
L.S. DENSITY	SIDEWALL POSITION	5822		y	9	d	9	.3	8.01		213	0	213	y
CALIPER				y	9	d	9	.3			213	0	213	y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

								INTERVAL TOTAL
FROM	198	190	179	98	88	59	30	
TO	194	186	176	94	84	55	26	
INTERVAL	4	4	3	4	4	4	4	= 27

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
204	N-N		

REFER TO ADDITIONAL HEADINGS

REMARKS

BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No VALUE @ 2" DIAM.
JIG MARK SHOWN AT ABOVE VALUE -
JIG CAL DATE JIG VALUE SDU @ g/cm3 ins cps
JIG No SPAN NORM SDU/CPS = ins cps

GAMMA RAY	DEPTH	BULK DENSITY g/cm3	CALIPER INCHES

HOLE SIZE CORRECTION DATA

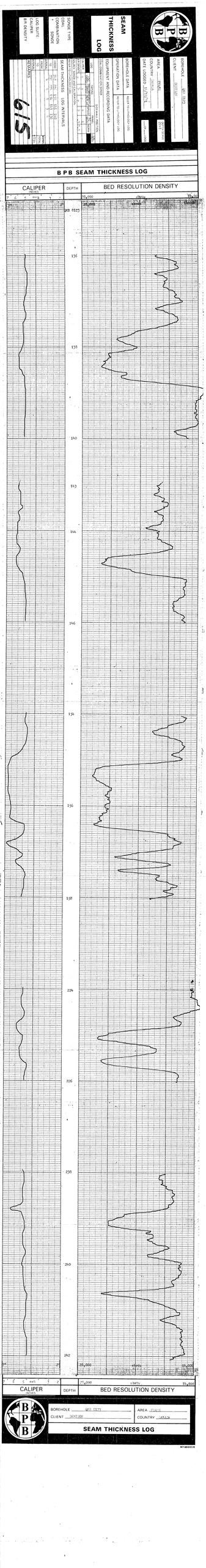
0 API 200		6000 sdu	0 7" 2"
GAMMA RAY	DEPTH	BULK DENSITY g/cm3	CALIPER INCHES

BPB

BOREHOLE	QMR 8122	AREA	FRAME
CLIENT	DENISON	COUNTRY	CANADA

COAL LITHOLOGY LOG

MY A50261 R


B P B
SEAM THICKNESS LOG
SONDE TYPE
LOG SUITE
BPB DENSITY
COAL DETECTION
CAVING DETECTION
SONDE
BOREHOLE
CLIENT
AREA
COUNTRY
DATE LOGGED
SEAM THICKNESS LOG INTERVALS
REMARKS
EQUIPMENT AND RECORDING DATA
DEPTH
CALIPER
BED RESOLUTION DENSITY
B P B SEAM THICKNESS LOG
BOREHOLE
CLIENT
AREA
COUNTRY
SEAM THICKNESS LOG

PR QUENTIN 81(6)

COAL QUALITY LOG

BOREHOLE: [illegible]
CLIENT: [illegible]
AREA: [illegible]
COUNTRY: [illegible]
DATE LOGGED: [illegible]
DEPTH DISPLACEMENT: [illegible]

BORHOLE DATA: [illegible]
OPERATION DATA: [illegible]
EQUIPMENT AND RECORDING DATA: [illegible]

SONDE TYPE: [illegible]
SONDE TYPE COMBINATION: [illegible]
SOE SUITE: GAMMA RAY L.S. DENSITY

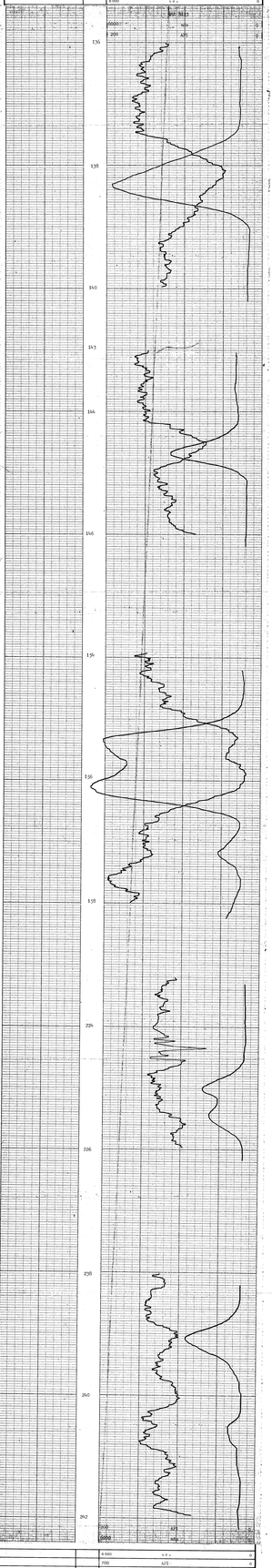
COAL QUALITY LOG INTERVALS: [illegible]

REMARKS: 615

BPB COAL QUALITY LOG

DEPTH	GAMMA RAY
	COAL BULK DENSITY g/cm³

HOLE SIZE CORRECTION DATA

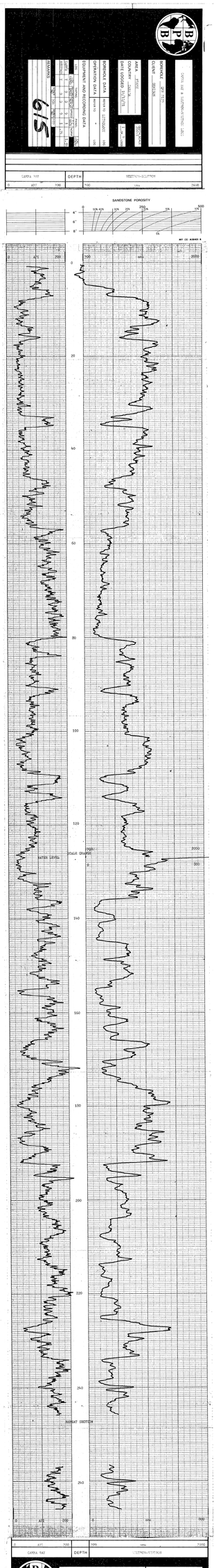


6000	4000
200	400
COAL BULK DENSITY g/cm³	
DEPTH	GAMMA RAY

BPB

BOREHOLE [illegible]	AREA [illegible]
CLIENT [illegible]	COUNTRY [illegible]

COAL QUALITY LOG



CANADA BAY & SANDSTONE-SHIPPING LOCK
BOREHOLE 2D 2123
CLIENT BOSTON
AREA ONAGE
COUNTRY CANADA
DATE LOGGED 30/11/78
BOREHOLE DATA
RESERVED AUTHORIZED 100
OPERATION DATA
RESERVED 100
EQUIPMENT AND RECORDING DATA
FAIRMAN
DEPTH
VOLTAGE-SUPPLY
SANDSTONE POROSITY
WATER LEVEL
SCALE CHANGE
REPEAT SECTION

COAL LITHOLOGY LOG

BPB

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY, L.S. DENSITY, CALIPER

BOREHOLE: QMR 8123
CLIENT: DENISON
AREA: QMR 8123
COUNTRY: CANADA
DATE LOGGED: 14/10/81

DEPTH SCALE 200:1

1 OF 4 LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL	
ELEVATION OF P.D.	"	"
MEASUREMENTS FROM	BPB	DRILLER
DEPTH REACHED	246	248
CASING SHOE	6m	
BIT SIZES	1 TO	2 TO
	3 TO	4 TO
CASING SIZES	1 TO	2 TO

FLUID DATA

NATURE	
S.G	
LEVEL	127m
VISCOSITY	
Rm at meas. temp	
B.H.T.	

OPERATION DATA

FIRST READING	1246m
LAST READING	0
INTERVAL LOGGED	246m
UNIT-TRUCK No.	HELI
ENGINEER	
WITNESS	DW/GM

615

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	EQUIPMENT: SONDE	SOURCE	CALIBRATOR	TAPING: LOG TAPED	RECORD SPEED	DIRECT or REPLAY	PANEL: SPEED	TC SECS	NORM	CAL COEFF	DEPTHS: FROM	TO	INTERVAL	SEAM LOG RUN
GAMMA RAY	101			y	9	D	9	1		1.54	246m	0	246	y
L.S. DENSITY		5822		y	9	D	9	.3	8.01		247m	0	247m	y
CALIPER	SIDEWALL POSITION			y	9	D	9	.3			247m	0	247m	y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

FROM	242	226	158	146	140	INTERVAL TOTAL
TO	238	224	154	143	136	
INTERVAL	4	2	4	3	4	= 17m

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
204	N-N		

REFER TO ADDITIONAL HEADINGS

REMARKS

BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No VALUE @ 2" DIAM	JIG CAL DATE JIG VALUE SDU @ g/cm³	ins.	cps
JIG MARK SHOWN AT ABOVE VALUE -	JIG No SPAN NORM SDU/CPS =	ins	cps

GAMMA RAY	DEPTH	BULK DENSITY g/cm³	CALIPER INCHES

HOLE SIZE CORRECTION DATA

GAMMA RAY	DEPTH	BULK DENSITY g/cm³	CALIPER INCHES

BPB

BOREHOLE: QMR 8123 AREA: FRAME
CLIENT: DENISON COUNTRY: CANADA

COAL LITHOLOGY LOG

MY A50261 R

PR-QUINTETTE 81(3)A

GAMMA RAY & NEUTRON-NEUTRON LOGS

BOREHOLE QNR 8109
CLIENT DENISON

AREA FRAME
COUNTRY CANADA
DATE LOGGED 21/9/81

DEPTH SCALE 200:1

___OF___ LOGS

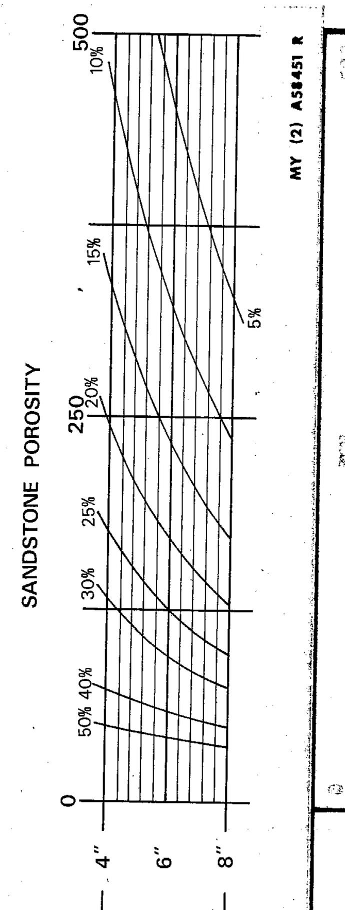
BOREHOLE DATA	REFER TO LITHOLOGY LOG
OPERATION DATA	REFER TO " LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING: LOG TAPED	RECORD SPEED	DIRECT or REPLAY	PANEL: SPEED	T C SECS	NORM	CAL COEFF
GAMMA	Y	9	R	9	1		1.54
N-N	Y	9	R	9	1	.74	

SONDE NO 204 SOURCE NO 787

REMARKS
615



BOREHOLE QNR 8109
CLIENT DENISON
AREA FRAME
COUNTRY CANADA

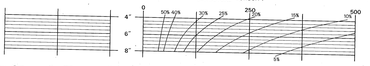
Pr-Qu-Nitette 8(3)

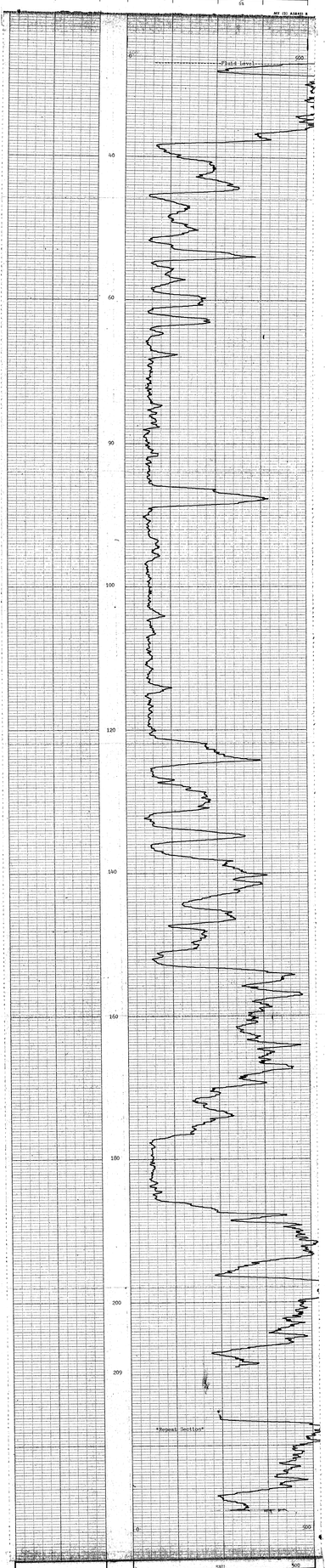
NEUTRON-NEUTRON LOG

BOREHOLE QPB-8100
CLIENT NEUTRON MINES LTD.
AREA PRAIRIE
COUNTRY CANADA
DATE LOGGED 21-09-81
3 of 3 LOGS

DEPTH NEUTRON-NEUTRON
0 500

SANDSTONE POROSITY





DEPTH 0 Neutron-Neutron 500

BOREHOLE QPB-8100
CLIENT NEUTRON MINES LTD
AREA PRAIRIE
COUNTRY CANADA

PR-QUINTETTE 8(3)

BPB

SHEET NO.

BOREHOLE 2[illegible]-R100

CLIENT DENISON MINES LTD.

AREA FRANK

COUNTRY CANADA

DATE LOGGED 21-09-81

DEPTH SCALE 1:200

BOREHOLE DATA REFER TO LITHOLOGY LOG

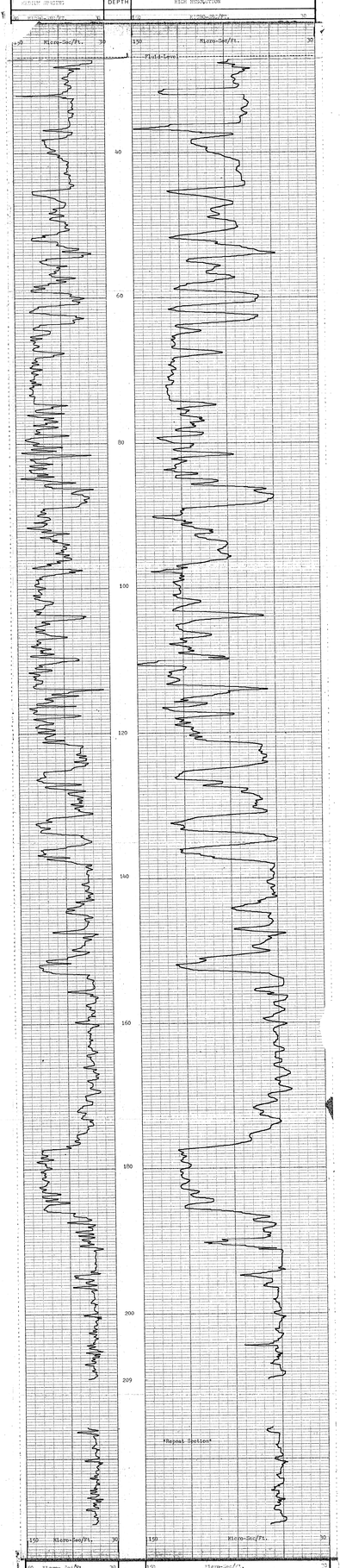
OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	PANEL	LOG
2[illegible]	1[illegible]	1[illegible]	1[illegible]

REMARKS

615



BPB

BOREHOLE 2[illegible]-R100

CLIENT DENISON MINES LTD

AREA FRANK

COUNTRY CANADA

COAL LITHOLOGY LOG

BPB

BOREHOLE 82-1-SDH
CLIENT NCL-COAL CORP.
AREA Enugu
COUNTRY NIGERIA

DATE LOGGED 3-12-82
RUN NO. 1
DEPTH DRILLER 209
DEPTH LOGGER 209
CASING SHOE 209
BOREHOLE FLUID WBM
MAX REC. TEMP. —
RECORDED BY E.A.
WITNESSED BY —

BOREHOLE DATA
BOREHOLE DIAMETER: 1ST 0 TO 209 m
2ND — TO — m
3RD — TO — m
BIT SIZE: 1ST 8½ in
2ND — in
3RD — in
CASING SIZE: 1ST 7 in WT 20 lb/ft
2ND — in WT — lb/ft
3RD — in WT — lb/ft
CASING DRILLER 0 m
CASING LOGGER 209 m
BOTTOM LOGGED INTERVAL 209 m
TOP LOGGED INTERVAL 0 m
TYPE OF FLUID IN HOLE WBM
DENSITY 1.2 lb/gal
VISCOSITY 50 s
PH 9.0
FLUID LOSS 10 ml
SOURCE OF SAMPLE MUD PIT
RM @ MEAS. TEMP. 0.3 @ 30 °C
RMF @ MEAS. TEMP. 0.2 @ 30 °C
RMC @ MEAS. TEMP. 0.4 @ 30 °C
SOURCE OF RMF & RMC MEASURED
RM @ BHT 0.2 @ 30 °C
TIME SINCE CIRC. 24 hrs
MAX. REC. TEMP. 30 °C
EQUIP. LOCATION ENUGU
RECORDED BY E.A.
WITNESSED BY —

OPERATION DATA
RIG TIME: ESTIMATED — hrs
ACTUAL — hrs
RECORDED BY E.A.
WITNESSED BY —

LOGGING DATA
TRUCK NO. 5
UNIT NO. 1
ENGINEER E.A.
OPERATOR —
LOGGING DISTRICT ENUGU
LOGGING METHOD WIRELINE
LOGGING SYSTEM MK-SUITE
SONDE TYPE 2"
COAL COMBINATION SONDE
GAMMA RAY DENSITY & CALIPER

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	EQUIPMENT			TAPING		PANEL		CAL. CHECK	DEPTHS		SEAM LOG RUN
	SONDE	SOURCE	CALIBRATOR	LOG SPEED	RECORD DIRECTLY OR RELAY	SPEED	V.C. MODE	NORM	FROM	TO	INSTALL
RES	101										
GAMMA RAY				T m/hr	S m/hr	3			209	137	
DENSITY				T m/hr	S m/hr	1.3	1.20		209	36	
CALIPER	EQUIVALENT POSITION			T m/hr	S m/hr	1.3			209	137	

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

							INTERVAL TOTAL
FROM	137	159	130				
TO	175	169	53				
INTERVAL	32	5	81				

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG/SCALE LOG	DETAIL SCALE LOG/SCALE LOG
209	R-R	100:1	------
------	0822	100:1	------

REFER TO ADDITIONAL HEADINGS

REMARKS

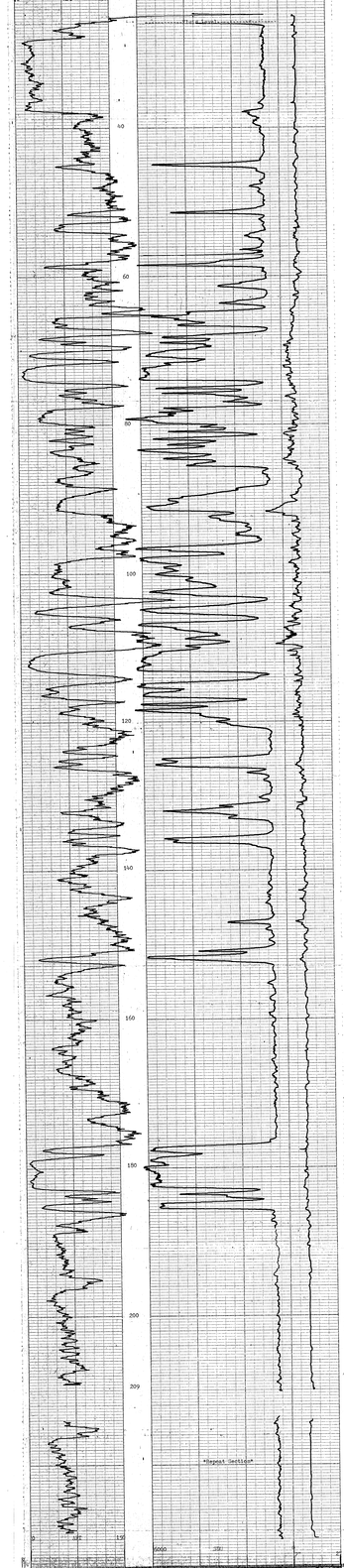
BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No. — VALUE @ 2 GAMM
JIG MARK SHOWN AT ABOVE VALUE —
JIG CAL DATE —
JIG No —
SOU @ — g/cm³ — m/s 185
SPAN — NORM 2.50 g/cm³ m/s 185

GAMMA RAY — DEPTH — BULK DENSITY g/cm³ — CALIPER INCHES

HOLE SIZE CORRECTION DATA



GAMMA RAY — DEPTH — BULK DENSITY g/cm³ — CALIPER INCHES

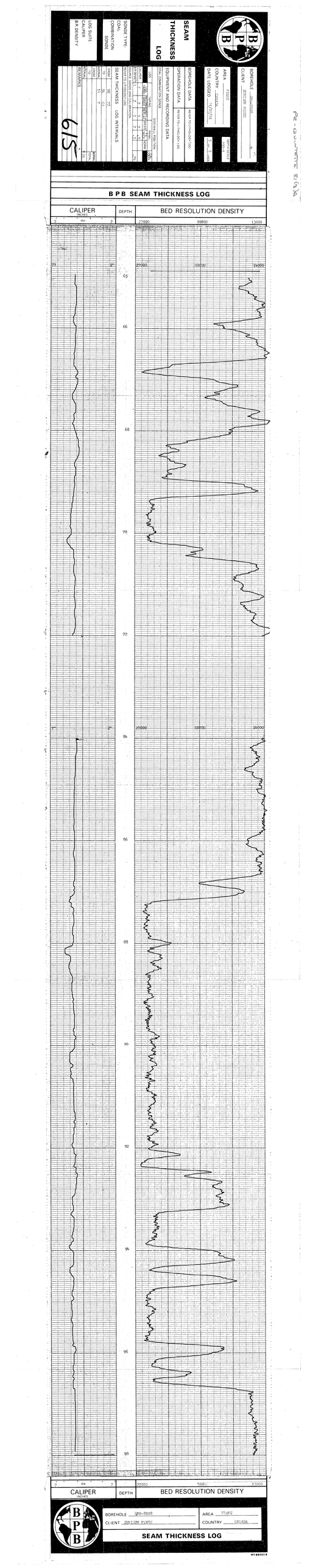
BPB

BOREHOLE 82-1-SDH
CLIENT NCL-COAL CORP.
AREA Enugu
COUNTRY NIGERIA

COAL LITHOLOGY LOG

BPT - A 33101 R

Recounted 81(3)


SEAM THICKNESS LOG
B P B
LOG SUITE
CALIPER
BED RESOLUTION DENSITY
SONDE TYPE
DUAL COMBINATION SONDE
BOREHOLE
CLIENT
AREA
COUNTRY
DATE LOGGED
OPERATING DATA
EQUIPMENT AND RECORDING DATA
BOREHOLE DATA
SEAM THICKNESS
LOG INTERVALS
REMARKS
CALIPER
DEPTH
BED RESOLUTION DENSITY
27000
33800
14000
13000
65
66
68
70
72
84
86
88
90
92
94
96
98
BOREHOLE
CLIENT
AREA
COUNTRY
SEAM THICKNESS LOG

BOREHOLE QMR8108
CLIENT DENISON MINES
AREA FRAME
COUNTRY CANADA
DATE LOGGED 21/09/81
DEPTH SCALE 200:1
4 OF 5 LOGS

COAL QUALITY LOG

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY L.S. DENSITY

BOREHOLE DATA: REFER TO LITHOLOGY LOG
OPERATION DATA: REFER TO LITHOLOGY LOG
EQUIPMENT AND RECORDING DATA
COAL COMBINATION SONDE

LOG	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM	CAL COEFF
GAMMA RAY	Y	2	R	2	2		
L.S. DENSITY	Y	2	R	2	1	8.0	1.54

SOURCE, SONDE AND CALIBRATION: REFER TO LITHOLOGY LOG

COAL QUALITY LOG INTERVALS

FROM	TO	INTERVAL	FROM	TO	INTERVAL	INTERVAL TOTAL
98	84	14				
72	65	7				= 21

REMARKS

615

BPB COAL QUALITY LOG

DEPTH	GAMMA RAY
	COAL BULK DENSITY g/cm3

HOLE SIZE CORRECTION DATA

2" 4" 6" 8"

1.2 1.25 1.3 1.35 1.4 1.45 1.5 1.55 1.6 1.7 1.8 1.9 2.0 2.2 2.4 3.0

150 API 0

6.000 sdu 0

6.000 sdu 0

150 API 0

	DEPTH	
		COAL BULK DENSITY g/cm3
	DEPTH	GAMMA RAY

BOREHOLE QMR-8108 AREA FRAME
CLIENT DENISON MINES COUNTRY CANADA

COAL QUALITY LOG

MY 8802 R

Pre-Quintette 8(3)A

Neutron-Neutron Log

BOREHOLE QRU-9100
CLIENT Denison Mines
AREA Frame
COUNTRY Canada
DATE LOGGED 22-Jan-85
OPTIMUM SCALE 500 SRU
1 in. = 25 ft.

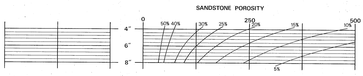
BOREHOLE DATA — REFER TO LITHOLOGY LOG
OPERATION DATA — REFER TO LITHOLOGY LOG
EQUIPMENT AND RECORDING DATA

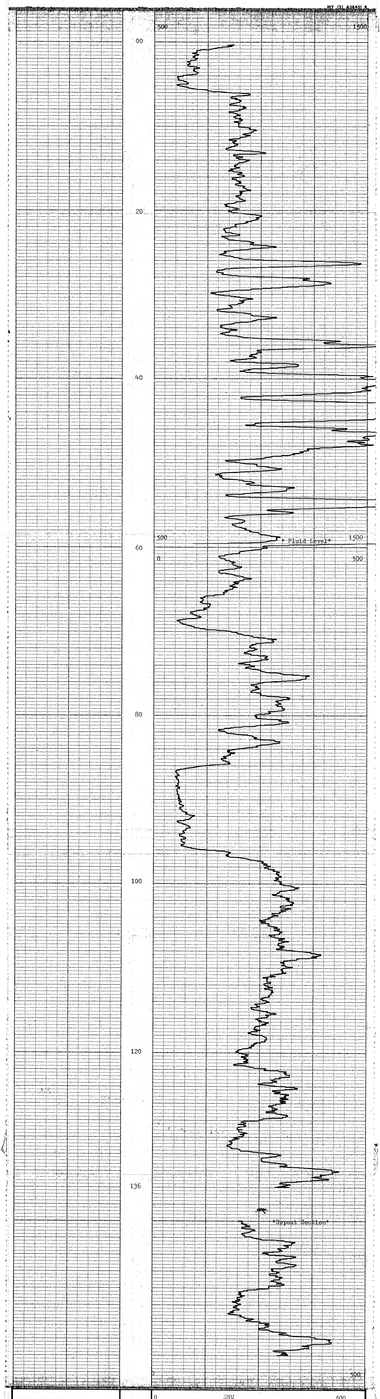
LOG	TRACKING	PANEL	
BOX	1	2	3
PCB	7/10	7/10	7/10
DATE	1/85	1/85	1/85
TIME	1:45	1:45	1:45

REMARKS 615

DEPTH — NEUTRON-NEUTRON LOG — 500 SRU 1500

SANDSTONE POROSITY





DEPTH — Neutron neutron

BOREHOLE QRU-9100
CLIENT DENISON MINES
AREA FRAME
COUNTRY CANADA

MT A184338

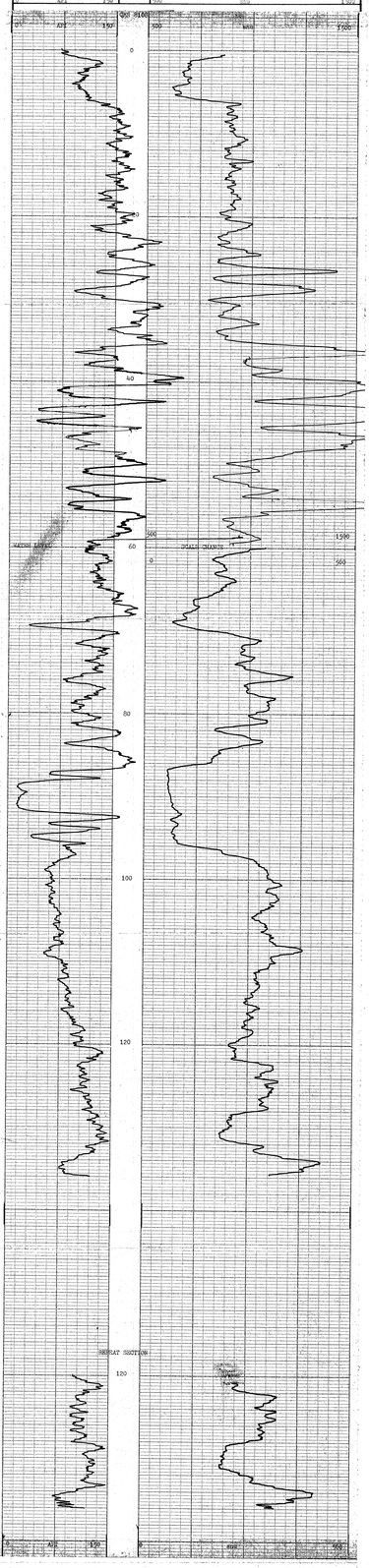
Re-Quartette 8/3/9

GAMMA RAY & NEUTRON-NEUTRON LOGS

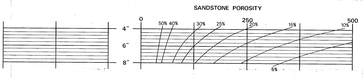
BOREHOLE [illegible]
CLIENT [illegible]
AREA [illegible]
COUNTRY [illegible]
DATE LOGGED [illegible]

BOREHOLE DATA
REFER TO [illegible] LOG
OPERATION DATA
REFER TO [illegible] LOG
EQUIPMENT AND RECORDING DATA
LOG
TAPING
PANEL
CASING
BIT
FLUID
REMARKS
6/5

GAMMA RAY							
DEPTH							
0	API	150	500	1500			



SANDSTONE POROSITY



MF (3) A38431 B

0 API 150		0 500	
GAMMA RAY	DEPTH	NEUTRON-NEUTRON	

BOREHOLE [illegible]
CLIENT [illegible]
AREA [illegible]
COUNTRY [illegible]

MF A38431B

Pr. Quintette 81(3)

SONIC LOG

BOREHOLE QMR-8108
CLIENT DENISON MINES LTD.

AREA FRAME
COUNTRY CANADA
DATE LOGGED 21-09-81

DEPTH SCALE 200:1
2 of 5 LOGS

BOREHOLE DATA — REFER TO LITHOLOGY LOG
OPERATION DATA — REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

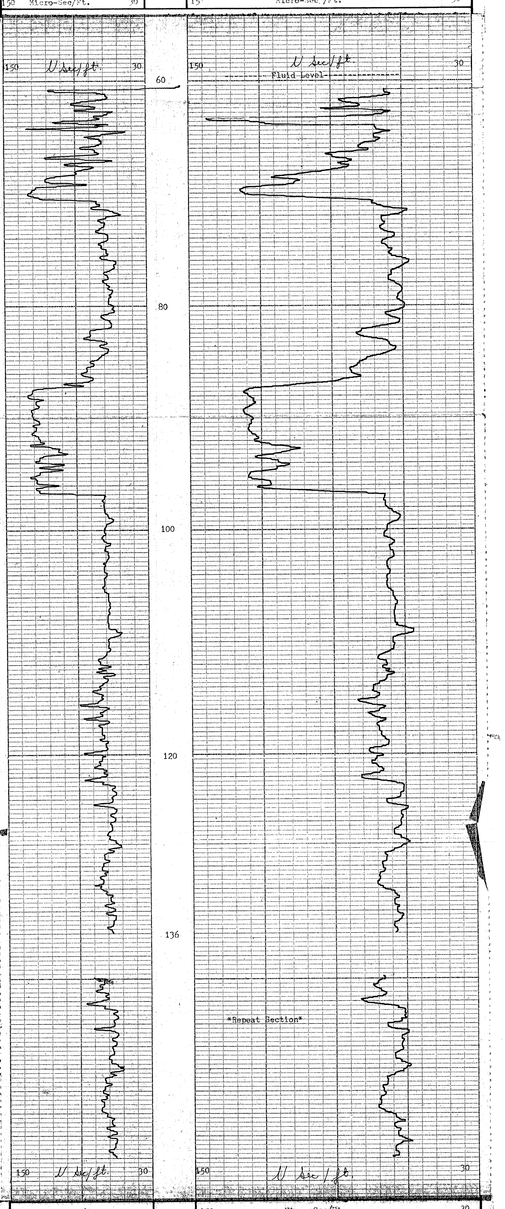
LOG	TAPING	PANEL	CAL CONT.

CONTR.	V	10m/M	D	10m/M	2	SPEED	SICS	NORM

REMARKS

6/5

Medium Spacing	DEPTH	High Resolution
150 Micro-Sec/Ft. 30		150 Micro-Sec/Ft. 30



Medium Spacing	DEPTH	High Resolution
150 Micro-Sec/Ft. 30		150 Micro-Sec/Ft. 30

BOREHOLE QMR- 8108
CLIENT DENISON MINES

AREA FRAME
COUNTRY CANADA

MY A584532R

72 - QUINTETTE 8.63

GAMMA RAY & NEUTRON-NEUTRON LOGS

BOREHOLE SPR 5107

CLIENT DENISON

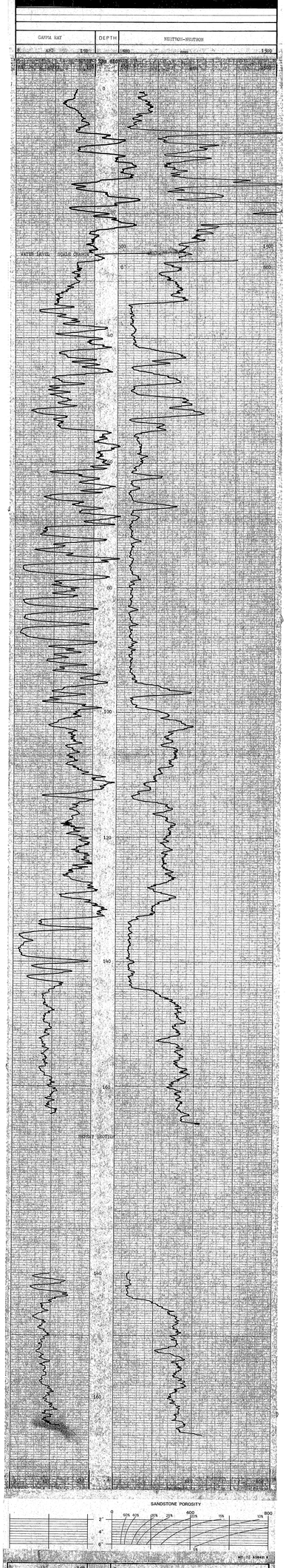
AREA FRANKE

COUNTRY CANADA

DATE LOGGED 17/9/81

BOREHOLE DATA	REFER TO LITHOLOGY	LOG	
OPERATION DATA	REFER TO "	LOG	
EQUIPMENT AND RECORDING DATA			
LOG	TAKING	PASS	
GAMMA	1	1	1.51
N-N	1	1	
	2	2	
	3	3	
	4	4	
	5	5	
	6	6	
	7	7	
	8	8	
	9	9	
	10	10	
REMARKS			

615



GAMMA RAY	DEPTH	NEUTRON-NEUTRON	

BOREHOLE SPR 5107

CLIENT DENISON

AREA FRANKE

COUNTRY CANADA

COAL LITHOLOGY LOG

BOREHOLE Qmr- 8108
CLIENT Denison Mines
AREA FRAME
COUNTRY Canada
DATE LOGGED 21-09-81
DEPTH SCALE 200:1
1 OF ___ LOGS

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY, L. S. DENSITY, CALIPER

BOREHOLE DATA

PERMANENT DATUM	Ground Level	
ELEVATION OF P.D.		
	BPB	DRILLER
MEASUREMENTS FROM	GL	GL
DEPTH REACHED	136	
CASING SHOE		
BIT SIZES 1	5" TO TD	2 TO
3	TO	4 TO
CASING SIZES 1	TO	2 TO

FLUID DATA

NATURE	Air/Water
S.G.	Not Measured
LEVEL	60 m
VISCOSITY	Not Measured
Rm at meas. temp.	Not Measured
B.H.T.	

OPERATION DATA

FIRST READING	136
LAST READING	00
INTERVAL LOGGED	136m
UNIT-TRUCK No.	Heli-Rex
ENGINEER	DM/SK
WITNESS	----------

6/5

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS			SEAM LOG RUN
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C SECS	NORM		FROM	TO	INTERVAL	
CCS	101													
GAMMA RAY				Y	9	D	9	1	-----	1.54	136	00	136	
L.S DENSITY				Y	9	D	9	.3	8.0	----	136	00	136	
CALIPER	SIDEWALL POSITION			Y	9	D	9	.3	-----	----	136	00	136	

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

			INTERVAL TOTAL
FROM	98	72	
TO	84	65	
INTERVAL	14	7	21m

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
204	N-N	200:1	--------
	Sonic	200:1	--------

REFER TO ADDITIONAL HEADINGS

REMARKS

BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No VALUE @ 2" DIAM
JIG MARK SHOWN AT ABOVE VALUE -
JIG CAL DATE JIG VALUE SDU @ g/cm³
JIG No SPAN NORM $\frac{SDU}{CPS}$ =
7 ins. 917 cps
2 ins. 500 cps

GAMMA RAY	DEPTH	BULK DENSITY g/cm³	CALIPER INCHES

HOLE SIZE CORRECTION DATA

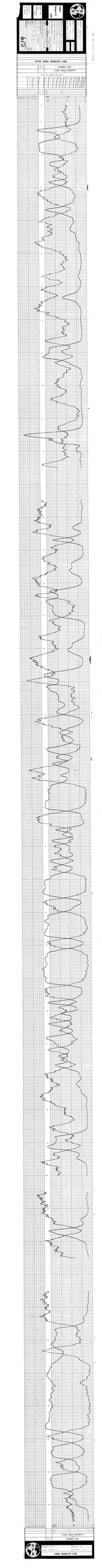
GAMMA RAY	DEPTH	BULK DENSITY g/cm³	CALIPER INCHES
0 API 150		6000 sdu	7" 2"

BOREHOLE QMR-8108 AREA Frame
CLIENT DENISON MINES LTD. COUNTRY CANADA

COAL LITHOLOGY LOG

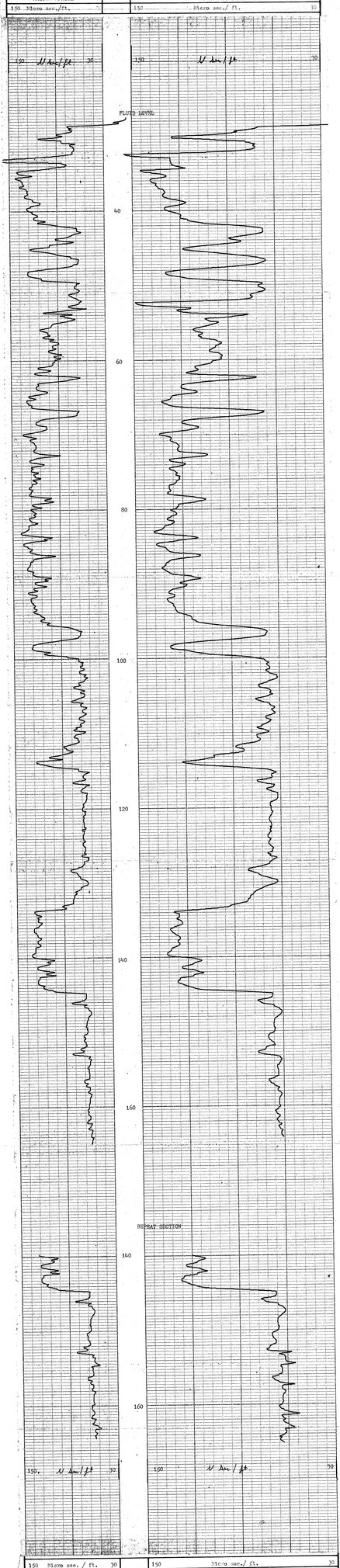
MY A50261 R

519
E.P.S. SEAM THICKNESS LOG
CALIPER
MED. RESOLUTION DENSITY
SEAM THICKNESS LOG


EPA COAL QUALITY LOG
GAMMA RAY
COAL BULK DENSITY
GR
BC

PR-QUINTETTE 81/6A

BOREHOLE QMB8107
CLIENT DENISON MINES
AREA FRAME
COUNTRY CANADA
DATE LOGGED 17 /09/81
DEPTH SCALE 2.00 : 1
1 of 5 (.000)
BOREHOLE DATA — REFER TO LITHOLOGY LOG
OPERATION DATA — REFER TO " LOG
EQUIPMENT AND RECORDING DATA
LOG — TAPING — PANEL — COL. LOG
LOG — RECORDING SPEED — SECS. INCHES
MODEL — TAPING SPEED — SECS. INCHES
SERIAL — 9 8 9 11
REMARKS — POWER — RESET
615



BOREHOLE QMB8107
CLIENT DENISON MINES
AREA FRAME
COUNTRY CANADA

MYA184338

PR-QUINTETTE 81(3)A

NEUTRON-NEUTRON

BOREHOLE CHRISTOF

CLIENT DENTSON MINES

AREA PRAIRIE

COUNTRY CANADA

DATE LOGGED 17 /09/84

DEPTH SCALE 200:1

2 OF 5 LOGS

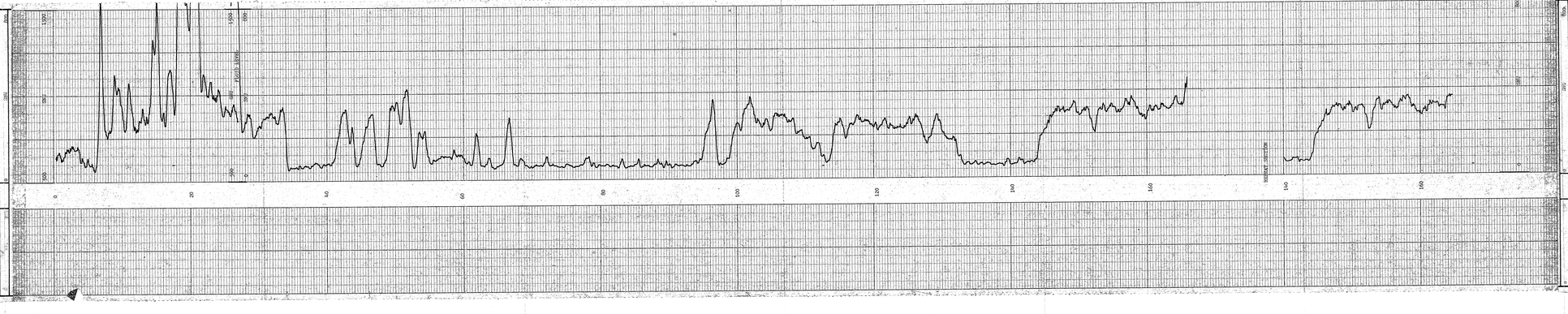
BOREHOLE DATA	REFER TO LITHOLOGY	LOG
OPERATION DATA	REFER TO "	LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING			PANEL			VAL. CORR.
	LOG TAPED	RECORDING SPEED	DEPTH	SPEED	SEC. SECS	NORM	
S-N	1	9	D	9	1		0.74
CANADA							
		SPEED 20	206	RESET 20			

REMARKS

615



NEUTRON-NEUTRON

AREA PRAIRIE

COUNTRY CANADA

BOREHOLE CHRISTOF

CLIENT DENTSON MINES

CANADA

COAL LITHOLOGY LOG

BPB

GAMMA RAY CALIPER | LOG SUITE GAMMA RAY CALIPER | SONDE TYPE COMBINATION SONDE

BOREHOLE DATA: BOREHOLE NUMBER 615 | CLIENT | AREA FFAIRE | DATE LOGGED 27-7-2011 | DRILLER'S DEPTH 200.0 m | CASING DEPTH 30.0 m | CASING DIAMETER 200 mm | FLUID DATA: FLUID TYPE AIR | FLUID LEVEL DRY | FLUID DENSITY | FLUID VISCOSITY | OPERATION DATA: RECORDED BY | WITNESSED BY | TIME LOGGED 08:00 | TIME TAKEN 20:00

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG	EQUIPMENT		TAPING		PANEL		LOG SPEED	DEPTHS		SCAN LOG RUN
	SONDE	SOURCE	CALIBRATOR	LOG SPEED	MEAS. POINT	MEAS. POINT OFFSET	BLOCK	NORM	FROM	TO	MTRS/M
GAMMA RAY	101			9	0	1	1.35				1
CALIPER				9	0	0	1	2.2			1
DENSITY	101			9	0	0	1				1
CALIPER		NORMAL POSITION									

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

FROM	145	115	100	56	INTERVAL TOTAL
TO	170	115	59	33	
INTERVAL	25	0	41	23	71

ADDITIONAL SONDES RUN

SONDE	LOG	GRAPHIC DETAIL SCALE LOG/SCALE LOG	
		M/M	M/M
		50M10	200-11

REFER TO ADDITIONAL HEADINGS

REMARKS

BPB COAL LITHOLOGY LOG

GAMMA RAY | DEPTH | BULK DENSITY | CALIPER

API 100 | 0 | 10000 | 1000 | 0 | 2"

UNCONSOLIDATED SAND

BASALT INTRUSION

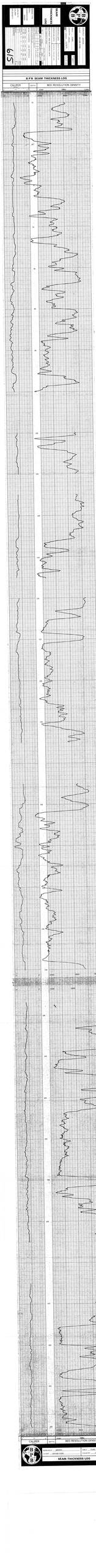
GAMMA RAY | DEPTH | BULK DENSITY | CALIPER

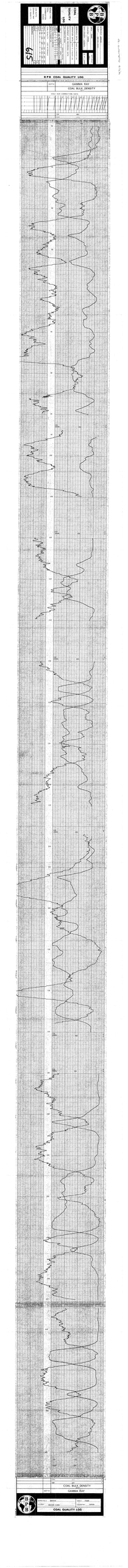
BOREHOLE 08/615/07 | AREA FFAIRE

CLIENT BEACON POWER | COUNTRY CANADA

COAL LITHOLOGY LOG

BPB-615/2011 615


B.P.B. SEAM THICKNESS LOG
CALIPER
BED RESOLUTION DENSITY
SEAM THICKNESS LOG


COAL QUALITY LOG
CAMBRIA RAY
COAL BULK DENSITY
S19

AL QUENTETTE 81(3)0

BPB

GAMMA RAY & NEUTRON-NEUTRON LOGS

BOREHOLE QPT 1556

CLIENT SENTION

AREA PRAIRIE

COUNTRY CANADA

DATE LOGGED 15/3/85

DEPTH SCALE 1:200

BOREHOLE DATA REFER TO LITHOLOGY LOG

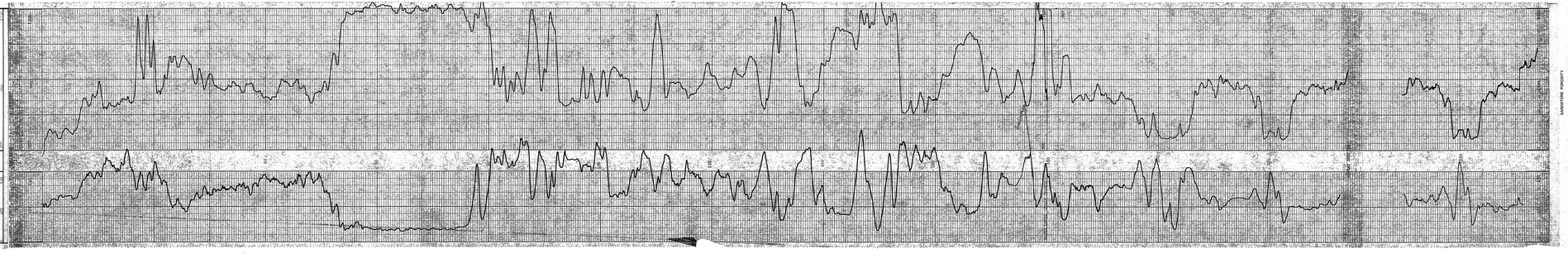
OPERATION DATA REFER TO " LOG

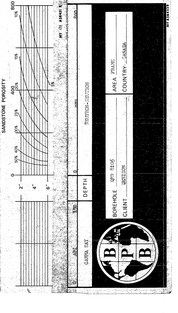
EQUIPMENT AND RECORDING DATA

LOG	TAPING			PANEL		LOG
	LOG	PROCESSING	DEPTH	SPEED	S.C.	DEPTH
GAMMA	Y	0	3	0	1	1.52
SAND	Y	0	3	0	1	1.52

REMARKS

615





BOREHOLE QPT 1556

CLIENT SENTION

AREA PRAIRIE

COUNTRY CANADA

BPB

Pr- Quintette 8/6A

SONIC

BOREHOLE QMR8106
CLIENT DENISON MINES

AREA FRAME
COUNTRY CANADA
DATE LOGGED 16/09/81

DEPTH SCALE 200:1
3 OF 5 LOGS

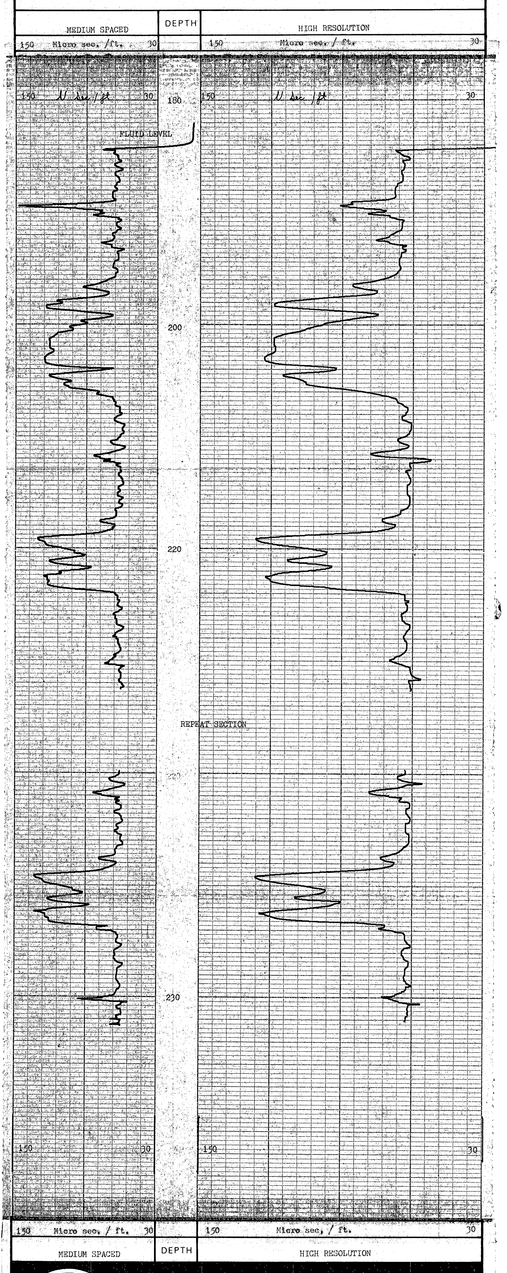
BOREHOLE DATA — REFER TO LITHOLOGY LOG
OPERATION DATA — REFER TO " LOG

EQUIPMENT AND RECORDING DATA

LOG	LOG TAPING	RECORDING SPEED	RECORDING SPEED	PANEL SEC.	PANEL NORM.	CAL. COLOUR
SONIC	Y	9	D	9	-3	
	SONIC	312	MOST			

REMARKS

615



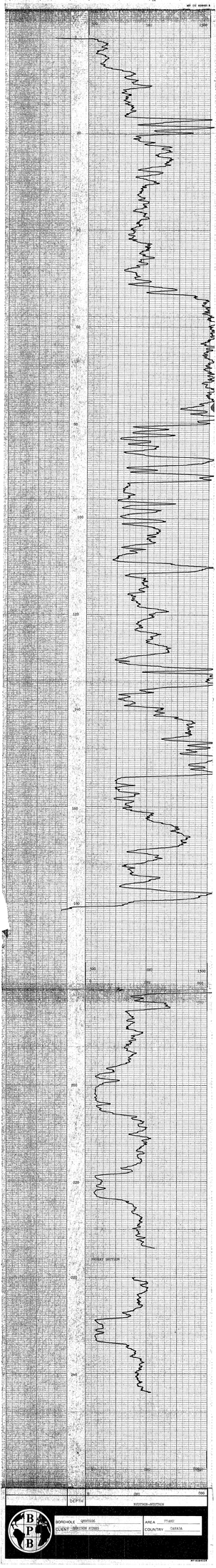
BOREHOLE QMR8106
CLIENT DENISON MINES
AREA FRAME
COUNTRY CANADA

MY A58452R

BPB

NEUTRON-NEUTRON

BOREHOLE QP95106
CLIENT BRITISH KINGS
AREA PRAIRIE
COUNTRY CANADA
DATE LOGGED 16/08/81
DATE OF RECORD 8/5/81
BOREHOLE DATA
OPERATION DATA
EQUIPMENT AND RECORDING DATA
RECORDED BY
TECHNICIAN
PRINTED BY
DATE PRINTED
SCALE
DEPTH
NEUTRON-NEUTRON
SANDSTONE POROSITY
MD OR ABSOLUTE



BOREHOLE QP95106
CLIENT BRITISH KINGS
AREA PRAIRIE
COUNTRY CANADA

Pre-Quintette 81(3)a

GAMMA RAY & NEUTRON-NEUTRON LOGS

BOREHOLE QMR 8105
CLIENT DENISON
AREA FRAME
COUNTRY CANADA
DATE LOGGED 13/9/81
DEPTH SCALE 200:1
__ OF __ LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
OPERATION DATA REFER TO " LOG

EQUIPMENT AND RECORDING DATA

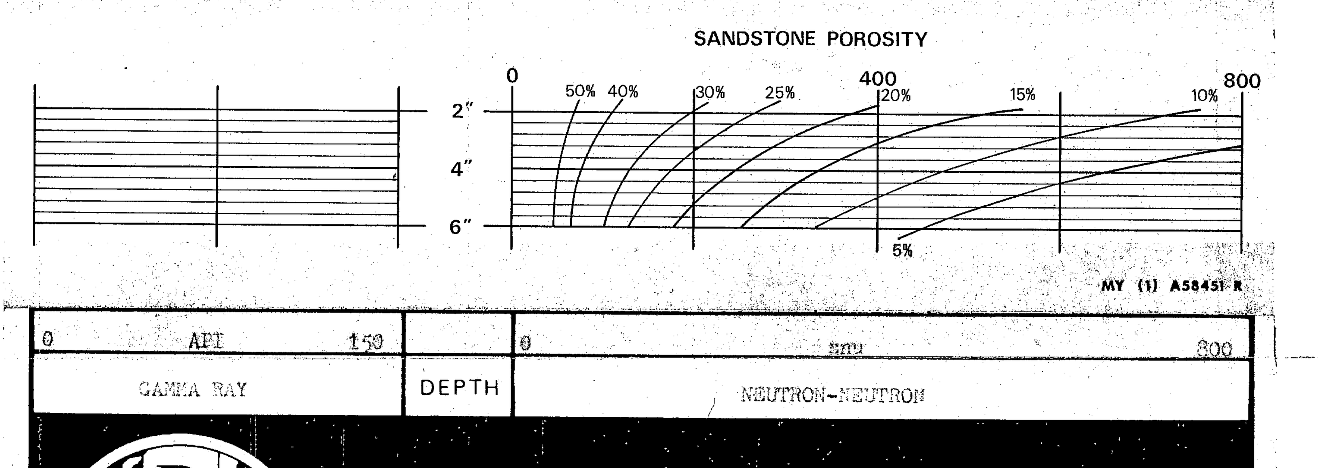
LOG	TAPING: LOG TAPED	TAPING: RECORD SPEED	DIRECT or REPLAY	PANEL: SPEED	PANEL: T.C. SECS	PANEL: NORM	CAL COEFF
GAMMA	Y	9	R	9	1		
N-Y	Y	9	R	9	1	.74	1.41

SONDE NO 204 SOURCE NO 15737

REMARKS

615

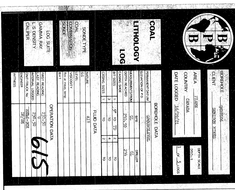
GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 150		200 cps 1000

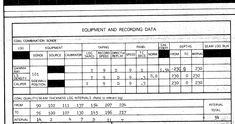


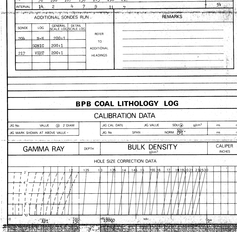
GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 150		0 cps 800

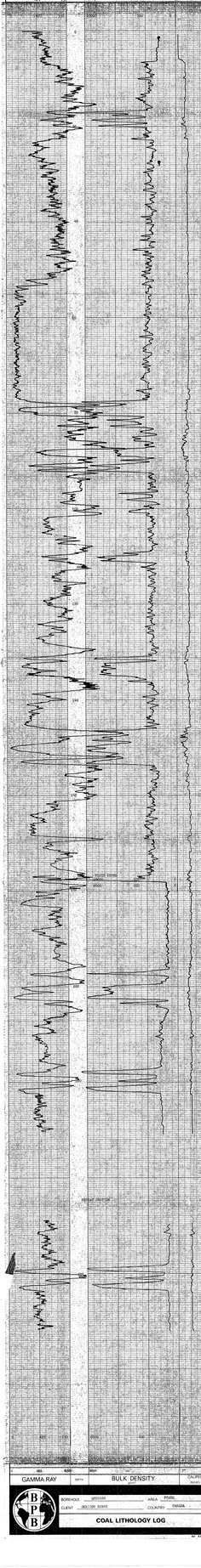
BOREHOLE QMR 8105
CLIENT DENISON
AREA FRAME
COUNTRY CANADA

MY A58452R


COAL LITHOLOGY LOG
BPB

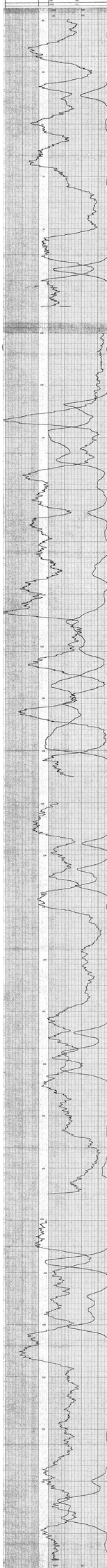

EQUIPMENT AND RECORDING DATA
CALIBRATION DATA
BULK DENSITY
GAMMA RAY
CALIPER
HOLE SIZE CORRECTION DATA
ADDITIONAL SONDES RUN
REMARKS


BPB COAL LITHOLOGY LOG
CALIBRATION DATA
GAMMA RAY
BULK DENSITY
CALIPER


GAMMA RAY
BULK DENSITY
CALIPER
BOREHOLE
CLIENT
COUNTRY
COAL LITHOLOGY LOG

BPB COAL QUALITY LOG

DEPTH	GAMMA RAY
	COAL BULK DENSITY
HOLE SIZE CORRECTION DATA	



	COAL BULK DENSITY
DEPTH	GAMMA RAY

BPB

SURVEYED	GEOTECH	DATE	10/10/2006
CLIENT	SECTION COAL	COUNTRY	CANADA

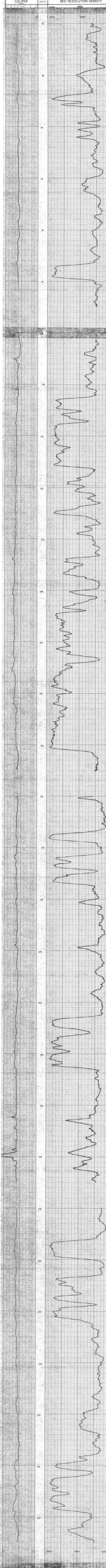
COAL QUALITY LOG

BPB	SEAM THICKNESS LOG
COMPANY	BPB
WELL	S19
FIELD	
COUNTY	
STATE	
LOCATION	
API NO.	
OTHER SERVICES	
PERMANENT DATUM	GL
ELEV. PERM. DATUM	
LOG MEASURED FROM	GL
DRILLING MEASURED FROM	GL
DATE	
RUN NO.	
DEPTH-DRILLER	
DEPTH-LOGGER	
BTM. LOG INTERVAL	
TOP LOG INTERVAL	
CASING-DRILLER	
CASING-LOGGER	
BIT SIZE	
TYPE FLUID IN HOLE	
DENSITY / VISCOSITY	
PH / FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE RMF / RMC	
RM @ BHT	
TIME CIRC. STOPPED	
TIME LOGGER ON BOTTOM	
LCU	
EQUIP. NO.	
LOCATION	
RECORDED BY	
WITNESSED BY	

S19

B P B SEAM THICKNESS LOG

CALIPER	DEPTH	BED RESOLUTION DENSITY
6" 16"	1:240	2000 2500 3000



CALIPER	DEPTH	BED RESOLUTION DENSITY	
6" 16"	1:240	2000 2500 3000	

BPB	SERVICE: [illegible]	DEVIATION: [illegible]	
	CLIENT: [illegible]	WELL: [illegible]	
	FIELD: [illegible]	COUNTY: [illegible]	
	STATE: [illegible]	COUNTRY: [illegible]	

SEAM THICKNESS LOG

BPB-SEAM

PR-QUINTETTE 8(3)A

SONIC

BOREHOLE QMR8105
CLIENT DENISON MINES

AREA FRANK
COUNTRY CANADA
DATE LOGGED 11/29/81

OPTIMUM SCALE 200:1
1.0 x 1.000

BOREHOLE DATA — MEAN TO LITHOLOGY 100
OPERATION DATA — MEAN TO 0 100

EQUIPMENT AND RECORDING DATA

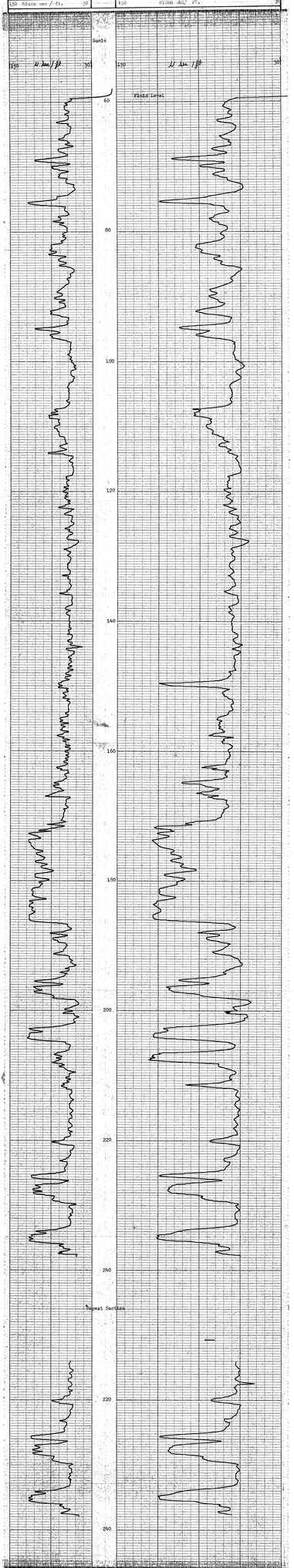
100	TAPE	PANEL	100
0	TAPE	PANEL	100
0	TAPE	PANEL	100

SONIC			
0	0	0	0

REMARKS

6/5

MEDIUM SPACED	DEPTH	HIGH RESOLUTION
150 Micro sec / ft. 30		150 MICRO SEC/ FT. 30



MEDIUM SPACED	DEPTH	HIGH RESOLUTION
150 MICRO SEC / FT 30		150 MICRO SEC / FT 30

BOREHOLE QMR8105
CLIENT DENISON MINES

AREA FRANK
COUNTRY CANADA