

Quintette Coal  
1987 Exploration  
Confidential Data  
Washability of  
Bulk Samples.

**CONFIDENTIAL**

739

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Quintette Coal  
1987 Exploration

Confidential Data  
WASHability of

BORE HOLES

739

80 pages following this page contain coal quality data, and remain confidential under the terms of the *Coal Act Regulation*, Section 2(1). They have been removed from the public version.

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**CONFIDENTIAL**

Quintette Coal Limited

1987 Exploration Report

Addendum - II

Volume I

February, 1988

70

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87001**

QHD 87001

Transfer

D Seam	P. 14	Corrected	
F Seam	P. 23 ~ 26	Corrected	67.94 - 73.61
G Seam	P. 41 ~ 43	Corrected	118.04 - 122.16
J Seam	P. 48 ~ 51	Corrected	
K1 Seam	P. 52	Corrected	
K2 Seam	P. 54	Corrected	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 1									
	0	8.96	8.96			ob (overburden)									
			480			solid (SD) massive ufs									
			160			SD " fs									
			030	fs 19		broken fs									
			050	ufs .05		SD ufs, vertical joints									
			680			SD fs									
			240	fs 1.08		SD fs - marker 10.6" -									
			160			SD fs									
			110	ssh .11		SD ssh ~ ufs									
						BOX 2									
			400	fs .40		fs									
			070	ufs .07		ufs									

DRILL CORE LOG



HOLE No. QHD87001  
PAGE No. 1 of 55  
July 1st. 87.



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	11.34		080	ssh .08		SD	ssh-crsh								
32	11.56		140	fs .14		SD	fs								
			260	vts .26			vts								
			100	fs .10		SD	fs								
			120	vts .12			vts								
			110	ssh .11			ssh								
			150	vts .15			vts								
			080	ssh .08			ssh								
			250	vts .25			vts								
			190				fs w/ sh bed, weakly								
33			140	fs 0.48			fs								
						Box 3									
	13.04		080				mass. fs								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	13.04		070			broken		75							
			360			SD	mass.	MIS							
			190			SD	mass.	MIS							
			680			SD	mass.	MIS							
			710			SD	mass.	MIS							
						BOX 4									
			250			slightly SD,	mass	MIS & Cr. SS.							
			460			SD	mass	MIS & Cr. SS.							
			720			SD	mass	Cr. SS. & MIS. w/ c lumps							
															± 0
32	16.92		440			SD	Cr. SS.	w/ c lumps							
32															

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 3

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
16.92			280		—	SD	mass	cr. ss								
						Box 5										
			210			SD		cr. ss								
			420			SD		cr. ss								
			080			broken		cr. ss								
			280			SD		cr. ss								
			470			SD		cr. ss								
				crss 3.12												
			420			SD		mass cr. ss								
									-19.2 <sup>m</sup> -							
Pr 38			250		—	SD	mass	cr. ss								
						Box 6										
						SD		mass cr. ss w/ small pebbles								
		1943	100													

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 4

Pr ; by protractor

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	19.43		610		—	SD		cr. ss							
			720	ms 1.45	—	SD		ms cr. ss							
			140												
			<del>139</del>					broken	ms						
38	32		590		—	SD		ms							
35					—										
			620		—			BOX 7							
					—			SD. cr. ss, coal lenses in lower part							
					—			— 22, 2 <sup>nd</sup> —							
				crss 1.92	—										
42			440		—	SD.		cr. ss							
			260		—	SD		cr. ss w/ c-lenses rare, & rice-cgl. rare							
			600		—	SD		cr. ss. w/ rice-cgl.							
42			050	cgl .75	—	SD		rice cgl.							
1	23.55		090		—	SD		cr. ss; w/ rice-cgl. rare.							

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 5

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
						BOX 8										
	23.55		070	crss .66		SD.	cr.ss w/ rice-cgl, rare									
		24.12	500			SD	cr.ss w/ <del>cr. lami</del> weakly lami, rice-cgl, very rare c-lami in lower part									
44			140			SD	ms ~ crss.									
			130			SD	same as above									
			040			broken	ms ~ crss. (5 ~ 2cm)									
						- 24.5 -										
			120			SD	ms									
			070	ms 1.78		broken	ms (3 ~ 1cm)									
			130			SD	ms, remain?									
			120			broken	ms									
			330			broken	ms w/ c-lami very very rare									
			340			MR										
						- 25.6 -										
			130			broken	ms remain (5cm ~ 2cm)									
	25.90		230			S.L. SD.	ms w/ c-matter very very rare									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
46	28.77		700	ms .70		SD	ms	w/ weakly lami	, occasional cross lami					Joint so.	
			100			SD	ms								
			050			broken	ms	~	ts						
			360	ms 0.73		SD	ms	w/ weakly lami							
P 40			130			SD	ms	w/ sh-pack <sup>small</sup>	very rare						
			010			sh									
			080			br.	ms.		(40m ~ 1cm)						
									BOX 11						
P 38			150	ms .26		SD	ms								
	30.26		110			SD	ms	~	cr. ss w/ sh (5mm) thin beds x 3						
			040			br.	cr. ss.		(3 ~ 1)						
40 44			120			SD	cr. ss	w/ sh - irr - lami	& rare poly.					est dip plane? w/ calcite. 30 ~ 40°	
			290	cr. ss 1.4		SD	cr. ss								
	31.52		610			SD	cr ss	#							

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 8

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	31.52		100			sd	crss	w/c-lens	very rare						
42			240			sd	crss								
↑			150			sd	m.s								
							3.7		3.10					3.37	
			180			sd	m.s								
			050	m.s 0.77		br	m.s		(4cm)						
						- BOX 12 -									
			350			sd	m.s	crss.							
			040			slightly sd		same as above							
45			290			sd.		crss ~ m.s w/c-matter	very very rare						
↑			060			sl. sd		crss							
			570	crss 1.46		sd		crss							
			090			sd		crss w/ irr. c lami + c lens							
			450			sd		crss w/c lens & irr-c lami							
37	34.11		020	cgl 3.02		sd		small-pob. cgl							

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 9



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r. q. d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
34.11			130		1	SD	cr ss	w/c laminae								
				cr ss 0.83												
			240			SD	cr ss	w/c lenses								
			100			SD	cr ss	w/c lenses & rice cgl								coal matter
35-36			360			SD	cr. ss.	w/ weakly laminae								non coal matter
			210			SD	cr. ss	w/ weakly laminae								
			380			SD	cr ss	w/ c-irr laminae rare and rice very very rare								
			070	cr ss 1.18		SD		same as above								
			100		SD	cr ss	drill core remain									
			300		SD	cr ss	w/ c-lenses									
40																
	3612		120		SD	cr ss										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 14									
↑	36.12		090	<sup>crss</sup> 0.09		SD	cr. ss.		w/ weakly lami						
			350	<sup>cgl</sup> 0.35		SD	rice - cgl.								
48			260	<sup>crss</sup> 0.26		SD	cr. ss.		w/ weakly lami						
↑			310	<sup>ms</sup> 0.31		SD.	ms								
			100	<sup>crss</sup> 0.1		SD	cr. ss.		w/ rice cgl lami						
50			290	<sup>ms</sup> 0.82		SD	ms		w/ weakly lami						
↑			540			SD	ms								
53			130	<sup>crss</sup> 0.13		SD	cr. ss								
			050	<sup>fs</sup> 0.28		SD	fs		w/ weakly lami						
			200			BOX 15									
						SD	same as above								
							-38.5-								
			030			SD	same as above								
54	38.55		090	<sup>cgl</sup> 0.09		SD	rice cgl		w/ c-laminar						

DRILL CORE LOG

72  
42



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 11

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	38.55		160			SD ms		w/ weakly lamini							
			070			bt. ms		w/ rice cgl. rare							
			100	ms 0.41		SD. ms		w/ rice cgl. rare and calcite vein x 5; irr.							
			080			SD ms		w/ calcite vein							
			070	cgl .07		SD		rice - cgl.							
			080	crss .08		SD		cr. ss.							
P P	54 50		460			SD		ms w/ weakly dk lamini & calcite veins							
			280	ms 0.98		broken		ms w/ weakly lamini & calcite vein							fault? 25
			090			SD.		<del>37.5</del> same as above							
								- 39.5 <sup>ms</sup> -							
	50		150			SD		ms w/ weakly dk lamini & calcite vein rare							
			050			SD		fs w/ weakly dk lamini & calcite vein							
								Box 16							
			4033 190	fs .24		slightly SD		fs w/ dk lamini							

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	4033		180	} vfs 0.64		br.	vfs w/ fs bed & weakly lam;	calcites								
			280		br.	fs vts w/ dk lam' & calcites										
			180		br.	same as above										
			240		slightly sd fs w/ <sup>weakly</sup> dk lam', calcite vein rare											
			150	} fs 0.97		sd	fs w/ dk lam'									
52	50		240		sd	slight dk fs w/ dk lam'										
			050		br	same as above										
			290	} vfs 0.63		sd	slightly dk fs w/ dk lam' & calcite film x 2									
			100		sd	slightly dk vts " "										
			290		sd	slightly dk vts w/ dk lam'										
	46		240		sd	same as above										
		4269	120	} fs 0.5		sd	fs w/ dk lam'									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	4269		380			SD			same as above						
46									-4.25 m						
44			170			SD			ms w/ sh. part very very rare						
			180			SD			same as above						
			060	ms 0.77		br.			ms						
			300			SD			ms w/ c-lens (vertical)						
			060			slightly SD			same as above						
			080	fs 0.08		SD			fs w/ big c-lenses						
			040	CB 0.04		SD			CB in cc (dill)						
	44.08		120	fs 12		SD			fs w/ big c-lenses						
									-4.2 m						
↓	45.03		950	MC .95		MC									
			050	dkgrsh .05		br.			dkgrsh w/ c lamina or beds						
			020	CA .02		br.			CA						
32			040			br			dkgrsh w/ c lamina or beds						

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
34	45.14		070	dkgrsh .11		SD	dk grsh w/c lamina								
			050	grsh .05		SD	grsh w/plants								
			160	crsh .16		SD	crsh w/ssh beds								
37			250	grsh .45		SD	grsh w/ml sh bed								
			200			SD	grsh								
			270	ssh .47		SD	ssh w/dk lamina - little irr.								
			200			SD	dk ssh w/sh - current lamina								
			130	crsh .13		SD	crsh								
29			390	vfs .69		SD	vfs w/sh - current lamina								
							BOX 19								
			300			SD	vfs w/sh cur. lamina weakly								4322
			150	fs .15		SD	fs w/sh cur. lamina weakly								
P 42		47.58	270	vfs .47		SD	vfs w/sh cur. lamina weakly								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
42	47.58		200			SD		vs w/ sh blurr							
			260			MR									
								47.2 <sup>ft</sup> = 155'							
			290			SD		crsh							ok Adjust
			160			SD		(crsh) w/ ssh w/ sh laminae, plants rare							
			200			SD		grsh w/ plants & c:							
			150			SD		crsh w/ plants							
34			330			SD		grsh w/ ml lenses							
			070			SD		crsh w/ ssh current bed (1 <sup>cm</sup> - 5 <sup>mm</sup> )							
								Box 20							
			290			SD		grsh w/ ssh laminae rare							
			100			SD		grsh							plants
			310			SD		crsh - grsh							
			060			SD		sh							
42	50.33		330			SD		crsh w/ ssh laminae lenses							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	50.33		290			same as above									
			100	crsh 1.75		SD	crsh		w/ sh lamina						
			100			SD	crsh		w/ ssh lamina III						
			200			SD	crsh								
														3.04	
			230			SD	crsh		w/ lamina, plant rare						
			320	crsh .32		BOX 21									
			100	ssh .10		SD	bluv		ssh						
			090	sh .09		SD	bluv		sh						
			160			SD	bluv		ssh ~ (v/s) <del>ssh</del>						
			060	ssh .52		SD	bluv		crsh ~ ssh						
			300			SD	bluv		ssh						
50	52.57		290	vts .29		SD	bluv		vts						

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 17 of 58



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
52.57			100	ssh .55		SD blue ssh									
			450			SD blue ssh									
			150	vfs .15		SD blue vts									
			120	ssh .12		SD blue ssh									
			290	vts 1.03		SD vts w/ dk lami									
		250	SD blue vts												
		100													
		680													
		690	vfs .69												
		660	vfs 1.25												
		590													
		56.75	100												

BOX 22

175 = 53.34

BOX 23

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	56.75		200	} ssh .30		SD	blur	ssh	vtz						
															o.k.
			190	} vfs .19		SD	blur	vtz							
			270			SD	blur	ssh							
			270	} ssh 0.98		SD	blur	ssh							
38			180			SD	blur	ssh	w/blur vtz bed xiz						
			180			SD	blur	ssh							
↓			080			SD	same	as	above						
24			240	} vfs .24		SD	vtz	w/	weakly	lami					
			340			SD	blur	vtz							
(20)			400	} vfs .79		SD	vtz	w/	sh	lami					
↓	59.15		050			br	same	as	above						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
↑	59.15		200			SD <sup>blue</sup> ssh ~ v/s w/ weakly laminar												
						193 = 58.83												O.K.
			450			SD v/s ~ (ssh) w/ sh laminar												
			320			SD bluish ssh												
			170			SD crsh												
			020			br crsh w/ calcite vein x/												
			060			br crsh												
			440			SD grsh												
			580			SD grsh w/ plant rare												
			680			SD grsh												
			400			SD grsh												
						62.03 = 203.5!												
38	62.69		230			SD grsh												

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 20 of 55

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	62.69		430	↑		SD grsl									
59			030	↓		SD ml									
↑			300			SD grsh									
			580			BOX 27 SD grsh w/and bed rare									
			070	grsh 2.17		SD grsh w/alamit rare									
			590			SD grsh w/alamit									
			140			SD grsh									
			490			SD grsh									
			110	crsh 1.11		SD crsh ~ ssh									
			100	dkgrsh 1.17		SD dkgrsh w/plant fragments crsh									
			070			BOX 28 SD dkgrsh - crsh w/plant fragments									
						65.23 = 2.14'									o.k.
54			150	crsh 1.15		SD crsh									
50	65.85		100	↓		SD ssh w/csh lam'									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
1	65.85	66.03	180	↑ ssh .28	bv.	ssh w/ weakly lamin, vertical joints									
	66.03		060	} grsh 0.82		SD grsh									
			350				SD grsh								
			350				SD grsh								
			060	} dkgrsh .18		slightly SD grsh									
			050				bv. dkgrsh w/c lam								
	67.03		130	} grsh .14		slightly SD dkgrsh w/c lam									
	67.03		140				SD grsh								
			050	} dkgrsh .05		SD dkgrsh w/ pl. fragments									
	67.22	67.46	240	} grsh .68		SD grsh									
			440				SD grsh								
50	67.90	67.94	040	} dksh .04		bv. dksh (1cm)									
50	67.94		180	↓		br CA 3cm / cm									

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	6812		180			br CA	(50cm ~ 70cm)								
			130	CA .72		SD CA									
			150			SD CA	68,12 = 233,5								0.
			090			br CA			(with bent)						
			040			br CA			with bentonite						
			040			SD CA			with bentonite						
			040	CB .04		br CB	dull								
50			160	CA .16		SD CA									
			020	MC .02		(MC)									
			030	CA .03		br CA									
	6891	6915	240	MR .24		MR & MC - Parting.									
			260			SD CA									
			090			SD CA	not cut								
			110			br CA									
				CA 0.77											
			170			SD CA	(SA)								
↓	69.85		070			SD SA									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	69.85		070	↑		powdery CA									
			640	MC 3.64		MC									
			190			brns/sD CA									
			100	CA 0.44		sD CA									
			150			sD CA									
50															
37	71.00		010	dkgrsh 0.1		sD dkgrsh									
			020	cc 0.02		sD scaly cc									
	71.09		060	dkgrsh 0.06		sD dkgrsh									
			690	MC 3.69		(missing ? coal or rock?)									
			410			powdery CA									
			050			sD CA w/ps lam. rare									
			060			sD om(CB)									
			040	CA 1.00		sD CA									
			060			sD CA									
	77.52		120			sD CA									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
			<del>0.80</del>												
	72.52		0.80			SD. CA									
			1.20			SD Pondar CA									
			0.60			SD CA (inter.)									
			0.41	CC 3.04		Pondar mixed CC?									
			2.60	3.28		mining what? Box 3									
						22.54 = 238									
37	73.08		0.20	CB 3.02		br CB									
			0.50	CA 3.05		br CA									
	73.15	73.19	0.40	dk gr sh 3.04		SD dk gr sh w/c lamina									
	73.19		0.50	CA 3.05		SD CA									
			0.30	CC 3.03		br CC			CSOL						
			0.70	CB 3.07		br CB									
	73.34		0.80	gr sh 3.08		br gr sh									
	73.42	73.47	0.50	CC 3.05		br CC									

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	73.47		020		↓	br csh										
			040			sd csh										
				csk 0.14												
			040			brn powder csh										
	73.61		050			sd dk grssh										
				dkgrsh .13												
			080			slightly sd dkgrsh w/c lam										
			020	CA 0.02		" CA										
37	73.75	73.85	090	dkgrsh .15		" dkgrsh w/c lam										
			060			sd dk grssh										
		74.16	250	grsh .25	sd grssh											
	74.16		170	ssh .17	sd ssh w/ sh lam											
			080	grsh .08	sd grssh											
			130	sh .13	sd sh/ssh											
			210	grsh .21	sd grssh											
38		74.77	020	dkgrsh .02	br dk grssh w/c lam											

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	77.63		320	↑ fs .57		SD		fs w/ dk cross laminae							
								Calcite films in joints							
								- 77.41 = 254 -							
		78.11	160	↑ fs .16		SD		1/3 w/ dk laminae							
			135			SD		sh w/ ssh laminae rare							
42			680	sw .91		SD		Compact sh							
↓								BOX 34							
			430			SD		grsh, compact, c-stream very rare							
			250	grsh .93		SD		grsh w/ mal laminae							
			250			SD		grsh							
			320	ssh .02		SD		ssh     grsh							
			430			SD		grsh							
39			190	grsh .62		SD		grsh							
			020	ssh .02		SD		ssh							
			110	grsh .11		SD		grsh							
			070	ssh .07		SD		ssh w/ c-laminae = CD							
	80.89		200			SD		dk grsh w/ c laminae							
								264.5 = 80.46							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 35									
	80.89		140			sl sD									
			040			br.									
			380			sD									
			050			br.									
			050			sl, br.									
	81.55		040			sD									
			110			sD									
			100			br.									
			200			sD									
			240			sD									
			620			sD									
			080			sD									
						Box 36									
			450			sD									
			150			sD									
			080			sD									
	83.68		060			sD									

36

45

DRILL CORE LOG



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
45	83.68		220	} crss .38	)	SD	pebbles rice cgl											
			.150			SD	cr. s.s.											
			230			SD	cr. s.s. w/ rice cgl rare											
						275 = 83.82												
			270	SD		pebbles small pebble cgl (upper part is small, middle part is pebble lower part is small)												
						- 84.42 <sup>m</sup> = 277 -												
						BOX 37												
						050	} cgl 1.37											
								br. rice cgl										
						200		SD	small-pebble cgl									
						370		SD	pebble cgl w/ big pebble rare									
						180	} ms .08											
						080		SD	ms w/ pebble									
						300		SD	pebble cgl									
	86.29		160	} cgl .72														
					SD	beans & pebble cgl												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	86.29		260	↑												
			060	cr ss 3.06												
			100													
			200													
			110													
			050	cgl 1.34												
			330													
			230													
			320													
P	45		250	ms 3.25												
↑			050	cr ss 3.05												
			110													
			200	cgl .33												
			020													
P	28		480													
				ms .92												
↓			440													
↑			130	cr ss 3.13												
(45)	89.65		020	cgl 3.02												

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	89.65		130	} ms .17		SD	ms								
			040				SD	same as above							
			070	} cgl .69		br	drill remained bean-cgl								
			060				SD	bean cgl							
			460			SD	same as above								
			100	} crss .07		SD	same as above								
			070				SD	cr. ss							
			140	} cgl .26		SD	pebble ~ bean cgl								
			070				br	bean cgl							
			050			SD	pebble cgl								
45			040	} ms .09		SD	ms								
↑			280				SD	rice ~ bean cgl							
				} cgl .42		BOX 40									
							90.98 <del>91.11</del> M = 298.5'								
			140			SD	same as above								
39			060	} ms .06		SD	ms w/ laminae weakly								
			390				SD	pebble-cgl							
	91.83		080	} cgl .60		br	small-pebble cgl								
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	91.83		060	↑		pebble cgl				SD					
			070			small pebble cgl				SD					
(39)			100	ms .10		ms w/ small pebble rare				SD					
			070	crss .07		cr. ss				SD					
			080			(fs) ~ ms				SD					
39				ms .18											
✓			100			ms				SD					
			150	crss .28		cr. ss w/ rice, cobble very rare				SD					
			130			cr. ss				SD					
			120			ms w/ small pebble very rare				SD					
			400			ms				SD					
						BOX 41	305' = 92.96								
				ms 1.43		ms w/ c				SD					
40			190			same as above				SD					
			280			ms w/ pebble very rare				SD					
			140	crss .14		cr. ss				SD					
			100			rice ~ small pebble cgl w/ pebble				SD					
			200	cgl 1.98		rice, pebble, cobble cgl				SL, SD					
			150			same as above				SD					
✓	95.21		600	↓		pebble small cobble cgl				SL, SD or br.					



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r,q,d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						<b>BOX 42</b>									
	95.21		410							SD					
			160							br.					
			160							SD					
			200							SD					
			220							SD					
			140							SD					
			150							SD					
			170							SD					
			150							br.					
			150							SD					
			200							SD					
			090							SD					
						<b>BOX 43</b>									
			360							SD					
			050							SD					
			100							br.					
										SD					
			98.00	080						SD					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 24

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, g, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	98.00		090	↑						SD					
46			100	} fs .25						SD					
			150								SD				
			260	} ms .40						SD					
			140								SD				
			070	} crss .07 cgl .05						SD					
			050								SD				
			150	} ms .31						SD					
			160								SD				
			050	} cgl .05 fs .10						SD					
			100								SD				
46			010	} crss .01						SD					
			100								SD				
				} cgl .28						SD					
			180								SD				
			100	} fs .10 cgl .12						SD					
			120								SD				
			230	} fs .63						SD					
			400								SD				
			040	} cgl .04						SD					
			100.77								SD				
			270							SD					

DRILL CORE LOG



Quintette Coal Limited

HOLE No. DHD 87001

PAGE No. 35

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	100.77		130	fs .94					fs w/ pebble very rare	SD					
		101.44	540						329' - 100.28 m						
	101.44		030						fs w/ rice cgl very very rare	SD					
									pebble cgl	SD					
			150						pebble ~ big pebble cgl	SD					
			200	cgl 1.21					rice ~ pebble cgl	SD					
			100						big pebble cgl	SD					
			190						pebble cgl	SD					
			640						pebble ~ big pebble cgl	SD					
			050	crss .05					crss w/ pebble	SD					
			030	cgl .03					cgl	br.					
			050	crss .05					crss w/ pebble	SD					
			170	cgl .30					pebble ~ big pebble cgl	SD					
			130	fs .15					rice cgl w/ pebble, cobble	SD					
46			150	cgl .12					fs w/ sh stream	SD					
			120	fs .12					rice ~ big pebble cgl	SD					
			050	ms .05					ms w/ pebble cgl rare	SD					
			210	cgl .21					rice cgl ~ pebble cgl	SD					
48			130	fs .13					fs ~ ms w/ dk grey lam.	SD					
44			130	crss .13					crss w/ rice cgl	SD					
103A			130	crss .13					rice ~ big pebble cgl	SD					
35	104.09		120												

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 36

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	104.09		300	↑ cgl .47				- 103.3 <sup>m</sup> = 339							
			050					rice ~ pebble cgl		SD					
			080	ms .08				pebble cgl		SD					
			090	ms .08				ms		SD					
			090	crss .07				104 <sup>m</sup> = 341' = 103.94							
			090	fs .09				cr. ss		SD					
			110	crss .11				fs		SD					
			450	ms .45				cr. ss		SD					
			050	crss .05				ms		SD					
			250					cr ss		SD					
			450	cgl .80				pebble ~ big pebble cgl		SD					
			100					BOX 47							
			180	ms .18				pebble cgl		SD					
			590	cgl .65				rice ~ small pebble cgl		SD					
			060					ms w/ small pebble rice		SD					
			040	vfs .08				pebble cgl		SD					
35			040					small rice cgl		"					
107			050	cgl .05				vfs w/ sh laminae		"					
(43)			250	crss .25				same as above							
			250					brn ~ pebble cgl							
			330					cr ss w/ pebbles, calcite							
	107.63		330					pebble cgl							

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 37

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						$-1070 = 35' = 106.98$									
						BOX 48									
	107.63		380			pebble cgl									
			030			rice & bean cgl									
43			190	ms .19		m.s w/ small rice rare									
			070	crss .07		crss w/ bean & rice									
			060			rice & pebble cgl									
			160	cgl .47		rice cgl									
			250			bean & pebble cgl									
			040	crss .04		cr. ss w/ bean rare									
			060	fs .06		fs									
			160			pebble cgl									
			550			rice & pebble cgl									
			050	cgl .94		same as above									
			070			pebble cgl									
						BOX 49									
			110			rice & pebble cgl									
			190	crss .19		cr. ss w/ pebble rare									
			420			pebble & bean cgl									
			170	cgl .59		same as above									
V	110.63		040	crss .04		cr. ss. w/ rice rare									
53	110.74		110	ms .11		m.s									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	110.74		030	cgl .03											
			040	ms .17											
			130												
			180												
			300	cgl .20											
			410												
			070	ms .87											
			060												
			330												
			190	cgl .19											
			400	crss .40											
			100	cgl .10											
			100	crss .220											
			120												
			480												
			050												
			270	cgl 1.25											
			100												
↓	114.22		200												

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 39

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	114.22		150	↑		Rice cgl.			sl. SD						
						373.5 = 113.69									
		114.45	080	crss .08		cr. ss.			SD						
			200			Rice cgl			SD						
			100			Pebble cgl			SD						
			460			Rice cgl			SD						
			140			Rice cgl			br						
			100			pebble cgl			SD						
			600			BOX 52									
			100			same as above			SD						
						Rice ~ Pebble			SD						
			100	cgl 3.51		same as above			SD						
			200			pebble cgl			"						
			350			Rice cgl			"						
			050			pebble cgl			"						
			040			Rice cgl			"						
			680			Rice cgl			SD						
						- 117.04 = 384' -									
						BOX 53									
	43-58	117.46	390			same as above			SD						
	AV (53)		030	ms .03		ms			"						
117.99	(36)	118.04	050	dkgrsh S.05		dkgrsh ~ dk sh w/c lamu			"						

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 40

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
R ↑	118.04		060	cc		Dull cc ~ (CB) w/ pyrite					SD				
			020	.08		Dull cc w/ vit. lamina					SD				
			140	MC		MC									
				.14											
				120		cc	dull c.c. w/ vit. lamina or CB					br			
				.20											
				080		cc	dull c. w/ vit. lamina ~ CB					SD			
				130		dkgrsh	dkgrsh					SD			
				.36											
				230		dkgrsh	dkgrsh w/ plants					SD			
					387 = 117.95										
R ↑  36 ↑	118.82		030	cc		dull cc ~ CB					SL, SD				
			010	.04		Fusite					"				
			030			CA					"				
			050	CA		CA					"				
				.23											
				020		CA	CA					SD			
				130		CA	CA					SD			
				.03											
				030		cc	cc w/ Fusite x 1 cm								
				.07											
				060		CA	CA					SD			
				.18											
				050		CA	CA ~ CB					SD			
				.02											
		30 ⊙				020	CB		CB					"	
			.05												
			020	CA	CA					"					
			.03												
			030	same as above	same as above					"					
V ↓	119.45		030	CB		CB					"				
			050	.08		CB ~ CC					"				



B.C. N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 54									
	119.45		120	.12		MISSING Coal									
			040	.09		Powder-br mixed CA ~ CB									
			050	.09		CA ~ CB									
39			040	.04		dk grsh w/c lamina									
			080	.18		CA ~ (CB)									
FLOOR	119.88		100	.18		CA ~ CB mixed									
30			200	.28		grsh w/plant & pyrites									
			080	.28		- 393 = 119.48 -									
						grsh ~ crsh									
42			180	.18		crsh									
						119.78 = 393									
			250	.45		dk gr crsh ~ ssh									
ROOF	120.79		190	.45		dk gr ssh									
			010	.45		dk gr crsh w/c lamina									
			080	.17		CA									
			090	.17		CA									
			040	.04		CB									
			040	.04		CC									
(39)	121.00		050	.05		CA w/ Fusite x/									

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
K	121.09		060	MC .06		MC											
			020	CA .07		CA				br.							
	121.17		020	CC		CC ~ CB				SD							
			040	CB		CB ~ CC				SD							
			060	.10		CB ~ CC				SD							
						- 396 = 120.7 -											
			090	CA		CA ~ (CB)				SD							
			060	.15		CA				SD							
						BOX 55											
				280		MC .28	missing (coal or red?)										
			030	CA .08	CA				SD								
	121.80		050		CA				br								
	121.80		040	dksh .04	dk sh				br								
Floor		122.16	320	MC .32	MC				- 121.31 = 398.5 -								
	122.16		260		grsh				SD								
			180	grsh .59	grsh w/ dk lamina weakly				SD								
	122.75		150		grsh w/ plant				SD								
	122.75		150		crsh w/ plant				SD								
			070	crsh .66	crsh w/ ssh				SD								
			440		blud crsh				SD								
			070		ssh ~ crsh				SD								
				ssh .22	- 403 = 122.83												
(19)	123.63		150		ssh				SD								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	123.63		250	2 grsw 3.25												
			210	2 crsh 3.21												
			100	2 sh 3.10												
28			530	2 crsw 3.53												
			050													
			130													
27			480	2 shw 1.19												
			300													
125.91			230													
↑			220													
			450													
			150	2 grsh 1.30												
			480													
			050	2 dkgrsw 3.05												
			070	2 grsw 3.07												
			290	2 dkgrsw 3.29												
31			160	2 crsw 3.16												
↑			230													
32	128.01															

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 44

1287

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑				ssw .49		BOX 58									
	128.01		260			ssh w/ sh lami rare									
			390	vfs .39		v/s									
			040	crsw .04		crsh									
32															
↑			680	grsw .75		grsh w/ plants									
			070			grsh									
			100	crsw .10		crsh									
			080			grsh									
				grsw .18		423 1/2 = 128.93									
			100			grsh									
			030			ssh									
			300			ssh w/ v/s beds, sh cur. lami "									
				ssw .45		BOX 59									
			120			ssh w/ sh cur. lami									
			220	vfs .22		v/s									
			260	crsw .26		crsh w/ ssh blurr, v/s lenses									
			080	grsw .08		grsh									
			640			crsh									
				crsw .84											
	131.58		200			crsh									
			350			ssh w/ v/s beds									
(40)	132.06		130	v		blurr ssh									

DRILL CORE LOG



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑						BOX 60									
	132.06		100	ssh .84						SD					
			140							SD					
			120							SD					
			250	fs .25						SD					
			650	ms .66						SD					
			070							SD					
			110	crsh 3.11						"					
			060							"					
			080	vfs 4.0						"					
			260							"					
			200	fs .20						"					
			140	vfs .63						SD					
			490							"					
			170	fs .34						SD					
			170							SD					
			120	ssh .12						"					
			230	vfs .23						"					
			190	vfs .19						SD					
	135.67		120	sh .12						SD					

B4671



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
39															
	140.84		150	dkgrsw .15				slightly dk grsw, w/c lenses		SD					
		141.7	180	grsw .18				grsw		SD					
			110	crsh .11				crsh		"					
42 38 40			190	sh .19				sh    ssh		"					
			180	crsh				crsh		SD					
			040	.22				crsh ash		"					
			070	grsw .07				grsw		"					
ROOF	141.76		240	MC .24				Hanging wall. MC (CA)							
31			040	CA				CA		SD					
			070	.11				CA w/ Fract		"					
			060					CA - CA		"					
			050	CB .16				CB dull		"					
			050					CB w/ SA lami		"					
			050	CC .10				CC w/ SA lami		"					
			050					CC w/ SA lami		"					
			070	CD .07				dull CD		"					
			050					BOX 65							
			045					cc w/ vit lami		SD					
			060	CC				cc ~ CD		br					
			065	.20				cc ~ CB		SD					
			090												
	142.92		280	CA .28				powder CA							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
1	142.92		110	MC											
	143.03		030	MC CD					br						
		143.08	020	CSH					SD						
			020	CB					"						
			050	CA					Powder CA ~ CB						
			440	MC											
			020	CA					CA (0.05 ~ 1 <sup>cm</sup> )					br	
			030	CA					SA					SD	
	143.64		020	CD					CD					"	
			060	CB					CB					"	
			020	CA					CA					"	
			080	CC					CC ~ CB (20 <sup>m</sup> ~ Powder)					br.	
									- 143.1 - 143.5 -						
			160	CB					CB w/ calcite film					SD	
			030	CC					dull CC ~ CD					SD	
			240	CB					CB, slightly hd					SD	
			050	CB					CB					SD	
			030	CD					CD					"	
			040	CA					CA ~ CB					"	
			090	CA					CA ~ CB					"	
			030	CD					CD					"	
			040	CB					CB					"	
			130	CA					CA ~ CB w/ Fungus					"	
			030	CD					CD					"	
√		144.74	050	CC					CC					"	



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	144.74		040	CA .04		CA				SD					
			010	Csh .01		Csh				"					
			110	CA .11		CA				"					
			040	CC .04		CC (Fusite)				"					
			050	CA .05		CA				"					
						Box 66									
			090	CB .09		CB w/ vit lami				SD					
			200	CA .20		CA ~ CB				"					
			090	CB		CB				"					
			090	.18		CB w/ calcite films				"					
			100			CA				"					
			130			CA ~ CB w/ calcite films				"					
			170	CA		(CA) ~ CB w/ vit lami				SD					
		145.95	090	.73		CA ~ CB				"					
	145.95	146.03	080			? → F.C. Fusinite?				"					
			100			(CA) ~ CB w/ Fusite lami				"					
			060			CA				"					
			020	CC .02		CC Fusite				"					
			120			CA w/ F laminae				"					
			030	CA .16		CA ~ CB				SD					
			010			Fusite				"					
			060	CB .06		CB				"					
V		146.58	150	CA .15		CA w/ Fusite lami, lenses				"					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS				
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.					
37	146.58		060	CB .06															
				040		CA .04													
				300		MC .30	MC												
				100		CA .21													
				110		MC .08	MC												
				080			MC												
				050			BOX 67												
				010		CA .16													
				080															
				020															
				050		CD .05													
				110															
				060		CA .17													
		37	147.69			040	CB .04												
							080	sh .08											
				050	crsh .05														
				040	ssh .27														
				230															
				280	grsh .28														
				030	CA .03														
29	148.40	148.46	060	MC .06	MC														
			060	dkgrsh .06															

Floor

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 51



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	151.29		190	Mc .19		MC									
			040	ssh .04			sh w/ calcite			SD					
			040	? crsh .04			crsh			"					
			060	? ssh .06			ssh w/ sh lamina			"					
			070	:			fs w/ sh lamina			"					
			210	fs .48			fs w/ lamina weakly rare			"					
			200	:			fs			SD					
			450	? ms .45			ms			"					
			040	? grsh .24			grsh			"					
			200	:		Box 69	grsh			SD					
			030	? crsh .03			crsh			"					
			170	? ssh .17			ssh w/ lamina weakly			"					
			100	? vfs .31			vfs w/ sh lamina rare			"					
			210	:			vfs w/ sh lamina			"					
			150	? ssh .15			ssh w/ sh lamina weakly			SD					
			050	? crsh .05			crsh			"					
			210	:			grsh			"					
			300	:			grsh			"					
			280	? grsh 1.02			grsh			SD					
			010	:			grsh mainly sh			"					
			200	:			grsh			"					
			020	:			grsh w/ a lamina			"					

153.5 (38)

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	154.52	154.58	060	MR .06		MR		504.8 = 153.9 <sup>m</sup>							
ROOF			020	CA				CA w/ sh stream rare		SD					
(41)			050	.07				CA		br					
			570	MC .57		MC		Box 70							
			020	CB .02				CB		SD					
			060	CA				CA ~ CB		"					
			060	.12				CA		"					
			090	CB .09				CB (cc/CA)		"					
			040	CC .04				CC		"					
FLOOR		155.50	010	CSH .01				CSH		"					
								Foot wall							
	155.50		010	dk grsh .31				dk grsh w/c lenses		SD					
			300					dk grsh ~ grsh w/c lenses like uan <sup>SD</sup>							
			030	grsh .07				grsh		br					
								- 509.5 = 155.3 <sup>m</sup>							
		155.88	040					grsh		br					
42			150	MC .15		MC									
			110	MR .11		MR									
			100	MC .10		MC									
		156.24	010	grsh .08				celcite		SD					
	156.25		070					grsh w/plants		"					
			040	crsh .04				crsh		"					
			030	SSW .03				SSH		"					
			120	vfs .12				vfs w/sh lenses' very very rare		"					
		156.94	400					f's		"					
41															



**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87002**





QHD 87002

Grizzly

F Seam	P 6 ~ 10	Corrected ✓	17.14 - 20.85
G Seam	P 26 ~ 30	Corrected ✓	61.85 - 66.43
J Seam	P 40 ~ 45	Corrected ✓	82.25 - 87.45
K1 Seam	P 45 ~ 47	Corrected ✓	88.21 - 89.83
K2 Seam	P 49 ~ 50	Corrected ✓	92.68 - 93.48



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	0	4.65		0.0 4.65		BOX 1									
	4.65		0.40	fs 3.04		overburden.									
			0.50	ufs .05											
			1.80	ssh .18											
			0.60	ufs .06											
			0.30	crsh .03											
			2.40												
			0.50	grsh .47											
			1.80												
			2.20	crsh .22											
			0.60	ssh .06											
± 10			1.00	crsh .10											
			1.00	ssh .14											
6.0			0.40												
23			2.00												
↓		6.42	2.20												

BOX 1  
 overburden.  
 fs  
 ufs  
 blue ssh  
 blue ufs  
 crsh  
 grsh  
 same as abu  
 grsh  
 crsh (ssh)  
 ssh w/ crsh laminae, weakly  
 crsh  
 ssh  
 ssh ~ ufs  
 (ssh) ufs w/ laminae  
 ufs w/ irregular laminae, weakly

SD

SI, SD

SI, SD

SD

SD

SD



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	8.85		100	vfs .15					ssh w/ sh cross laminae	SD					
			130	ssh .13					ssh w/ sh cross laminae						
			280	crsk .28					crsk grsk w/ ssh laminae rare	SD					
17 ↑			750						grsk, compact	SD					
									— 33 = 10.06 —						
			110						grsk	br				-17	
			580						grsk, compact	SD					
			360	grsk 2.31					BOX 5 → Number wrong grsk	SD					
			040						grsk	SL, SD					
			290						grsk	SD					
			180						grsk	SL, SD					
11 ↑			510						grsk	SD					
			123 1/2	180					grsk	SL, SD					

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	12.36		040	↑		grsh				sl. br.					
			250	} grsh 1.23		grsh				SD					
			060			grsh					br.				
17			120			grsh					SD				
			070			grsh					SLSD				
						Box 6									
					missing?										
			030	} CB .03	↑	CB, powder									
			290			grsh					SD				
						43 = 13.11					311 305			+6	
			100			grsh				sl br					
			120		↓	grsh				SD					
	13.64		200	↓	↑	grsh				SLSD					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	13.64		480	↑		gr sh				SD					
			350			same as abv									
			020	gr sh 5.34		gr sh w/ mly sh laminae				SD					
			380			gr sh									
						Box 7									
⑦			250			gr sh				SD					
			290			same as abv				SD					
			360			gr sh, from rusty vertical joints				SD					
			070	csk .10		csk w/c laminae, platy				SL SD					
			030			same as abv.				SD					
						- 53' = 16.15 -					314 304			+10	
	16.37	16.49	120	dk gr sh .12		slightly dk gr sh				SD					
			030			gr sh				SL br					
V	16.98		460	↓		gr sh				SD					

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 5

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
17	16.98														
						Box 8									
			160	0.65		grah				SD					
ROOF	17.14		040												
			070			CA				SL, SD					↑ F
			100			CA				SD					
			020			same as abv				SD					
			080			CA w/ Fruit, rare									
			020			SA									
			110	0.57		CA w/ SA lens				SD					
			100			CA									
			010			Fruit									
	17.71		090			CA w/ Fruit lens rare									
Floor	17.71		060	0.06		Boni' CC-CB				SD					
			060	0.06		Boni' CD-CC									
	17.90		070	0.07		Boni' Csh									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 6



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	17.90		080 060			Boni cc				br					
		18.00	060			Boni cc									
			080			Boni CB → chill									
			140 170			CA				br					
			140 170			CA, vertical schlich.				br					
			030			cc									
(17)			150 160			CA									
			030 040			CA w/ Fusite liana rare									
			150 160			CA									
			030 040			CA				br					
			070			CA				SD					
						Box 9									
	18.88		060 080			SA				br					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 7

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	1888		090	↑		CA ~ SA									
			100			SA				SD					
			020	CB .02		CB									
			100	CA .11		CA									
	1920		010			CA				SD					
	1920		020	dk gr sh .02		dk gr sh									
⑩			040 050	CB .04		CB				br					
	1928		020	dk gr sh .02		platy dk gr sh				SD					
	1928		150			powder CA									
			040	CA .19		63' = 19.20					324 305				
						CA, like powder									
∇	1947	19.53	060	CC .06		conco				SD					

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	19.53		0.30	<sup>CB</sup> .03		CB									
			0.20	<sup>CSW</sup> .02		CSH ~ dk. sh									
	19.59		0.10	<sup>CC</sup> .01		CC									
	19.59		0.50	<sup>CA</sup> .05		CA									
						missing									
			0.20	<sup>CD</sup> .02		CD									
			0.20	<sup>SH</sup> .02		powder sh									
			0.10	<sup>CC</sup> .01		clay CC									
			0.40	<sup>CB</sup> .04		CB									
			0.10	<sup>CD</sup> .01		CD									
			0.40			CB ~ CA									
			1.00	<sup>CB</sup> .14		CB									
			1.40			CA									
			1.60			CA									
			0.90			CA									
↓	20.16		0.50			CA									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	20.16		0.30 <del>0.40</del>	↑		CA				br-like powder					
			0.70	CA .59		CA				SD					
			1.10 <del>1.20</del>			CA~CB				br					
			0.60 0.70			CA				br.					
			0.40			CA									
			0.20	CC .02		CC									
		20.55	0.60	CA .06		CA~CB				SD					
	20.55		0.40	dk grsh .04		dk grsh									
			0.30	CA .03		SA									
17 ↑			0.80	grsh .08		grsh									
						Box 10 = 210									
			0.20	CA .02		SA~CA				br					
FLOOR 		20.8	0.80	CSH .08		CSH w/ clenn				SD					
	20.8	20.82	0.20	CA .02		SA				SD					
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 10

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	20.82		010 <del>005</del>	{ csh .01											
			020	{ CA .02											
	20.87		020 <del>015</del>	{ csh .02											
			110	{ grsh .11											
15 ↑			040	{ dkgrsh .04											
75 ↑			010	{ CA .01											
			150	{ grsh .10											
			020	{ csh .02											
	21.41		260	{ grsh .26											
			170	{ csh .37											
10 ↑			200	{ csh .37											
			390												
↓	22.30		130												

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 11

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	22.30	2240	100	↑		grsh				SD					
								73 = 22.25			<del>303</del> 305				-2
			260	grsh 1.87			grsh			SD					
			140			↓	grsh			SL, SD.					
(10)															
			480					Box 11 = 211							
			<del>490</del>			↑	grsh	(vertical joints)		SD					
			020				grsh			SL SD					
			200			↓	grsh			SD					
			150			↑	grsh from rusty								
			030	crsh .06			crsh			SD					
23.71			480												
			<del>490</del>												
(20)			170	ssh .76			ssh	vertical joints							
			110			↑	ssh	rusty, vertical joint							
							ssh	rusty							
			7457	crsh .10			crsh								

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	24.57		100	grsh .10		grsh									
			150	vfs .15		vfs w/ sh lami									
24.82	20		070	crsh .07		crsh w/ sh lami									
16°			150	grsh .29		grsh w/ sh lami rare									
			140			same as above									
			180	fs .18		fs									
			180			grsh				sl, SD					
			200			same as above				SD					
			030			grsh				br					
17			430			82.5' — = 25'5"					339 290				+49
			440			grsh				SD					
		2689	690	grsh 2.05		grsh				SD					
			700												
						Box 13									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 18

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(17)															
	26.89		440 <del>450</del>												
			050												
			030												
			030												
			030	sh .03											
			040	grsh .04											
			050												
			030	osh .02											
			<del>040</del>												
			010	dksh .01											
			050	CA .05											
(16)			050	cd .05											
			060	grsh .06											
			040	osh .04											
			010	CA .01											
	2778														



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	27.78		070	{ grsl .07		grsl w/c lam			SD						
			010	{ CA .01		CA									
			090			dk grsl w/c lam									
			070	{ dkgrsl .21		dk grsl w/c lam			SD						
			050			dk grsl w/c lam									
			000	{ grsl .08		grsl									
16	28.15		620			crss ta smml pbble gl									
			670												
			570			Box 14									
			570			crss									
			140	{ CS 2.38		95' = 28.96			SD	190				-9	
			520			crss									
			200			crss									
			390			crss			SD						
			300			crss w/ pbble			SD						
			340			same as above			SD						
19	3085		320			Pbble cyl			SD						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑				↑		BOX 15									
	30.85		440			pebble ~ beam cgl				SD					
			250			← 101 = 3078						<del>202</del> 182			+20
			<del>770</del> 500			pebble cgl				SD					
			400			rusty pebble cgl				SD					
			310	cgl 4.31		← same as above w/ joint				SD					
						pebble cgl rusty				SD					
15			300			BOX 16									
			430			pebble cgl				SD					
			<del>750</del> 500			ms w/pebble									
			380			pebble cgl				SD					
			<del>290</del>			← 112 = 34.14						<del>319</del> 336			-17
			3513	ms 2.29		← same as above				SD					
						ms w/pebble				SD					
↓						BOX 17									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	36.79		150	<sup>2</sup> cgl .15											
			230	<sup>2</sup> cs .73											
			170	<sup>2</sup> fs .17											
					Box 18										
			190	<sup>2</sup> ms .19											
19			180	<sup>2</sup> fs .18											
21			040	<sup>2</sup> ms .04											
			090	<sup>2</sup> fs .09											
			020	<sup>2</sup> dkgrsk .02											
			040	<sup>2</sup> cgl .04											
			100												
			030	<sup>2</sup> fs .13											
↓	380?		030												

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 17

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	38.03		470 480	ms 3.47											
			060	fs 3.06											
			080	ufs 3.08											
			670 680												
			060												
				cgl 1.77											
(21)			690 700												
			46.41	350											
			070	fs 3.07											
			120												
(15)			110	cgl 0.3											
			40.78	070											
↓															

Box 19

pebbles cgl w/ potato rare

same as above

fs w/ pebble

pebbles cgl

133 — = 40.54

pebble - cgl

same as above

310  
320

-10

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	40.78		190	ms 3.19											
			480												
			720	cgl 1.23											
			730												
			130												
			060	ms 3.06											
			110	cgl 3.4											
			230												
			060	cs 3.06											
			140	cgl 3.14											
			050												
			250	ms 3.3											
			020												
↓	43.60		380												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
						<b>BOX 21</b>										
↑	43.60		140	} fs .83												
15																
			040													
			050													
↓			230	} cs .04												
↑			230													
16			040	} ms .11												
			110													
↑			020	} cs .02												
			060													
				} ms .06												
				} cs .09												
16			090													
				} ms .11												
			110													
				} cs .05												
			050													
				} cs .28												
			070													
				} cgl .28												
			070													
				} cs .27												
			040													
				} cgl .79												
			100													
				} cs .27												
			190													
				} cgl .79												
			080													
				} cgl .79												
			650													
				} cgl .79												
			660													
				} cgl .79												
			120													
↓	45'89		020													

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	45.87		110	fs .11						SD					
(M)			020	ms .02						SD					
			020	dkgrsh .02						SD					
			340	cgl .34						"					
			580	cs						SD					
			590	.58							323				
											333			-10	
			050							SD					
			100												
			300												
			100												
			250	cgl 1.54											
			090												
			520												
			630												
			030												
			100	fs .10											
			270	ms .27											
			040	cs .04											
			260	fs .49											
			230												
			070	cs .07											
			410	cgl .11											
↓	4986		420												



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS						
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.							
11	49.86		170			Box 24					311 <del>317</del>			-6							
							060														
							120														
							170														
							090											SD			
							120														
							430														
							<del>440</del>														
							160														
							100														
			12					200							Box 25					SD	260 <del>244</del>
		420																			
		<del>430</del>																			
		160																			
		100																			
		200																			
		420																			
		<del>430</del>																			
		250																			
		300																			
		160																			
		080																			
		650																			
		<del>670</del>																			
		290																			
		<del>300</del>																			
		170																			
		100																			
		060																			
		5397																			

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 26									
↑	53.97		260												
12			010												
			120												
			300 310												
			150												
			170												
			230												
			180												
			730												
			210 320												
	56.78		350			BOX 27									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b. 316 305	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
															+11
	56.78		110												
			210			same as above									
			080			rice cgl									
						bean cgl									
			330			C.V. S.S.									
			300			same as above									
			380			rice ~ bean cgl									
			390												
			070			criss w/ pebbles									
						BOX 28									
			150			ms									
			050			bean cgl									
			230			rice cgl									
			58.88			small rice ~ criss									
			190												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	58.88		200			Cr. s. s.									
		59.28	200			Cr. ss to small rice cgl									
			120			rice cgl									
			150			small bean cgl									
			230												
			230			same as above									
						- 196 = 59.74 -									
	59.78		080			same as above									
			380			rice ~ bean cgl									
						Box 29									
			690			bean ~ pebble cgl									
			200			same as above									
			540			rice ~ pebble cgl									
	61.72		050			same as above									

301  
305

- 4

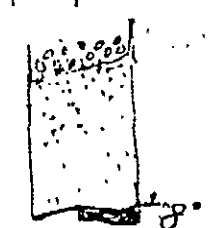
(+7)

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
8 <sup>o</sup>	61.72	61.85	130	fs .13		fs				SD					
	61.85		010	CB .07		CB				SD					
			065	CB .07		CB				SD					
			015	CC .02		CC w/ Fossils	CC			SD					
			015	CB .02		CB				SD					
			070	CD .07		CD				SD					
	62.06		030	CSH .03		CSH ~ CE									
						202.5 = 61.72									
			020	dk sh .02		dk sh									
			140	dk gr sh .14		dk gr sh								boundary: graduel	
10 <sup>o</sup> 12														boundary: graduel	
	62.24		020	dk sh .02		dk sh				SD					
	62.24		030	CD .03		CD									
		62.31	040	CB .04		CB									

ROOF

FLOOR

228  
198



130  
010

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 30									
	62.31		030	MC .03		MC missing									
			030 040	dkgrsk .10		mind dkgrsk									
			070			dkgrsk (wet, platy) SL SD									
	62.44		040	CC .04		CC ~ (CC)									
			040	CB .04		CB ~ (CC)									
			080	CA .28		CA									
			200	CA .28		CA									
			270	MC .27		MC									
			040	CB .04		CB									
			110	CA .11		CA									
						- 207 = 63.09 -					87 137			- 50	
	63.22	63.26	040	dkgrsk .04		dkgrsk w/ a lamina									
		63.3	040			CA - (CB)									

DRILL CORE LOG



Quintette Coal Limited

SL : slightly

HOLE No. \_\_\_\_\_

PAGE No. 27

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r,q,d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	63.30		020				CA			br.					
			010				CA								
			010				CD								
			030				Est dk sh w/c lam ←								
			030				CA								
			010				CC								
			040				CA			CD					
			(100)				MC								
	63.57		050				CA ~ CB			br					
	63.57		030				csh ~ dk sh w. c lam ←								
			060				grsh								
			010				dk sh								
			050				dk gr sh								
	63.77		050				dk cr sh								

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 28

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	63.77		100							CA		br			
			050							CA		SD			
			070							CA / Finest lamina and bed		SD			
			070							CA					
			100							CA		SD			
			030							powder CA					
			080							CA w/ CB bed x 2		SD			
			150							CA					
			040							Box 31					
			060							CA		SD			
		64.57	050						MC						
	64.57	64.63	060						dk grsh to grsh		br				
	64.63	64.76	130						MC						
↓	64.76	64.85	090						dk grsh to grsh		br				







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	68.51		350	vfs .35		(ssh) ~ vfs w/ sh lami									
			050	fs .05		bluv fs									
			020	crsh .02		bluv crsh									
			070	ssh .07		ssh bluv crsh									
P. 18			330			gr vfs w/ sh lami, weakly									
P 6			060	vfs .39		gr vfs w/ sh lami, weakly calcite vein									
			030	gouge .03		gouge?									
			250	vfs .75		vfs w/ sh lami, calcite vein									
			100			fs w/ calcite vein									
38			250	fs .35		fs w/ weakly lami									
			080	vfs .08		vfs w/ sh lami									
17		70.19	090	sh .09		sh     vfs									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(9)	117.74		160			ts				SOLID					
18			170	SSW .12		ssh 11/sh				SOLID					
			416	crsh .46		crsh - ssh w/sh lamina				SOLID					
			060	SSW .06		ssh				SOLID					
			200	VFS .35		vfs w/sh lamina									
			070			vfs in fs									
			190	SSW .19		ssh w/sh lamina									
						BOX 55									
			070	grsh .07		grsh				SOLID					
			040	crsh .09		crsh									
			119.32	grsh .08		grsh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	71.82		0.20	CA .02		SA powder									
			150	grsh .15		grsh			br.						
			<del>0.20</del> <del>0.15</del>	<del>CA</del> <del>.02</del>		CA									
			0.40	grsh .32		grsh			br						
			150		grsh w/plants				SD						
			130		grsh w/c laminae				SD						
12			0.40	CA .04		CA			br						
7237			0.50	grsh .05		grsh w/CA bed x 2			SD						
			0.20	ssw .02		bluish ssh									
			0.90	grsh .15		grsh w/plants			SD						
			0.50	ssw .05		ssh									
	72.89		3.10			ufs w/ssh laminae									
24															

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
2A	72.89		300	vfs .61											
			320	ssh .32											
			020												
			190	grsh .55											
15			340												
			170	ssh .17											
			050												
			080	crsh .17											
			040												
			070	ssh .16											
			090												
	74.61		050												

73.51

BOX 35

~~305~~  
320

-15

— 242.5 = 73.91 —

64

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	74.61		070	crsh .18					SD						
			060					same as abv							
			200	vfs .26				blurr vfs							
			060					245 = 74.67		SD	<del>58</del> 76			-18	
			220	ssh .22				vfs ~ ssh w/ sh lamina							
			080					ssh							
								vfs w/ sh lamina, w/ shaly							
15								BOX 36							
			610	vfs .79				(fs) w/ vfs w/ sh lamina and beds or //		SD					
								248 = 75.59			<del>97</del> 92			+5	
			100					vfs w/ sh lamina							
			210	fs .21				fs w/ sh lamina		SD					
76.01			76.63	vfs .41				vfs ~ (fs) w/ sh lamina							
20															

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	76.63		250	.35											
22			100												
			100	.10											
			230												
				.25											
			020												
			100	.10											
			050												
			090	.09											
			110												
			250	.11											
			210												
				.53											
			030												
	78.17														

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 37





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	79.97		540 550			grsh w/mlsh bed rare									
			180			grsh									
			260			same as abv.									
			020			grsh, slightly dk									
			020			gouge									
		8112	130			dkgrsh w/ mly sh bed									
						266 = 81.07									
	8112		230			dkgrsh									
						Box 39									
18	81.67		320			grsh									
↓			150			dkgrsh									
↑			060			crsh w/ ssh lami									
			200			sh // ssh									
20															
↓	82.25		170			grsh w/ ssh lami									

297  
304

-7

ROOF

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 39

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	8225		040	CA .04	↑ 5 m/s		CA									
			290	MC		MC										
			010	CC .01				CC								
			030	CB .03				CB								
			040	CA .11				CA			br.					
			070					CA			SD					
			020	CB .02				CB								
			020	CC .02				Fusit CC			SD					
			060	CA .06				CA w/ Fusite laminae								
			230	MC .23				272 = 82.91								
			060				MC	CA			SD					
			050					CA								
			050	CA .26				CA								
	8329		070					CA ~ CB								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	83.29		030			CA				SD					
	83.32	83.33	010			dksh ~ csh				SD					
			110			CA									
			050			CB									
			060			CA				SD					
			040			CB									
			060			CB ~ CA				SD					
			040			CA									
			130			MC									
						BOX 40									
			050			CA									
			130			CA ~ CB w/ calcite films in clast				SD					
			090			CB w/ calcite films in clast									
↓	84.12		030			CB ~ CC w/ calcite films in clast				SD					



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	84.95		120	} CA .43		CA										
			100				SAME AS ABOVE									
			020				SAME AS ABOVE									
	85.24		050	} CD .05		CD										
			190				CA									
			(050)	} MC .05		MC										
(20)			070				CA									
	85.55	85.56	010	} dksh .01		dk sh										
			090				CA									
				} CA .37		BOX 41										
			280				CA									
			020	} CB .02		CB										
			(700)				MC									
			060	} MC .90		SA										
							CA									
	87.07		160	} CA .22		CA w/ Fossiliferous laminae										
↓																

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	87.07	87.11	040	CC .04		CC ~ CD									
	87.11		150			CA									
			010	CA .20		Funit									
			040			CA									
			(100)	MC .10		MC									
						- 286 = 87.17 -						141 198			-57
		87.45	040	CA .09	I floor ↓	CA									
FLOOR ↑			130	sh .13		sh									
			210	ssh		ssh w/ sh lamina									
		87.89	100	sh .16		sh w/ ssh lamina very very rare									
			040	CA .04		CA									
			(030)	MC .03		MC									
			070	dkgrsh .07		dkgrsh w/ c lamina									
			(100)	MR .10		MR									
			080	dkgrsh .08		same as above									
ROOF ↓	88.21		(140)	MC .14		MC									
		88.54	190	CA .19		CA									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 45

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	8854	8859	050	dkgrsh .05		sd { dk sh in dk sh like powder									
	8859		050	CA .05		CA			Like powder						
						missing									
						- 289 = 88.09 -						96 92			+4
						BOX 42									
			200	MC .20		MC .. missing									
			100	CB .11		CB like powder									
			010			Fract									
(2)			060	CA .06		CA									
			060	CB .06		powder ~ br CB w/ Fract									
	89.11		040	CC .04		CC									
	89.11		030	CB .03		CB									
			050	CA .05		CA									
			060			CB									
↓	89.28		030			CB			br.						



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	89.28		020	CB .11	KI floor ↓	CB				} SD					
			160			CA									
			100			SA				} SD					
			130			CA									
(2)			050	CA .53		Mixed powder CA, CB and ce									
			050			CA				SD					
	89.83		040			CA				powder					
						MISSING									
						— FOOT WALL —									
	89.83		070	grsh .07		grsh				} SD					
			080	crsh .08	crsh										
			080	ssh .08	blwr ssh				} SD						
(3)			070	vfs .07	vfs										
	90.13														

Floor. ↓

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 47





B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	93.48		020	csh .02		csh									
			180	dkgrsh .18		dk gr sh									
			030	MR .03	MR										
			060	CA .06		CA		br. powder							
			030	MC .03	MC										
			100	MR .10	MR	MISSING									
26	94.00		100	MC .10	MC										
			050	dkgrsh .05		dk gr sh									
			100	ssh .10		ssh w/ sh laminae									
↑			060	vfs .06		vfs									
			400			fs									
			120			fs w/ sh laminae									
24			620			fs massive									
				fs 1.80											
			180			same as abv									
	96.01		480			same as abv									

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b. <i>269</i> <i>305</i>	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	96.01					- 314.5 = 95.86 <sup>m</sup> -								36	
(24)			280			vfs w/dk grsh lamini									
			070			same as abv								SD	
			060			ssh w/dk grsh lamini									
			020			ssh								br.	
			030			blurr ssh									
			120			grsh								SD	
			040			dk, fs									
			100			fs									
21			540			fs								SD	
			030			fs								br.	
	97.37		070			fs w/dk lamini								SD	

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	97.37					BOX 46									
			170			vfs w/dk gr sh cur. lami									
			140			vfs									
			090	vfs 1.19		vfs w/dk gr sh cur. lami									
			300			fs w/dk gr sh stream; ivory lam									
			300			same as abv									
			190			vfs w/dk gr sh cur. lami									
			100	dk gr sh .26		dk gr crsh									
			160			slightly dk; gr sh									
			050	crsh .05		crsh									
			090	ssh .09		ssh w/ dk gr sh lami									
	99.12		160	vfs .16		vfs w/dk gr sh lami									
23						Should this be 325 → 324 = 98.76"					3.11 290			+21	
						END OF QHD 87002									

DRILL CORE LOG



HOLE No. QHD 87002  
PAGE No. 52 of 52

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87003**

QHD 87003

Grizzly

D Seam	P 12 ~ 14	—	Corrected	✓	24.17 - 25.98
E Seam	P 24 ~ 25	—	Corrected	✓	54.50 - 55.38
F Seam	P 34 ~ 39	—	Corrected	✓	82.64 - 87.22
G Seam	P 49 ~ 53	—	Corrected	✓	108.78 - 112.09
J+K Seams	P 59 ~ 69	—	Corrected	✓	129.08 - 140.14

Logged by G. Kalcigati  
Aug/87



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	0														
↑		3.50	170	2.05 (3.5)		BOX 1 = 199 cm									
						overburden									
	3.50		220	2.72 (SL)											
			200	2.20 (SSH)											
	4.07		150												
				2.24 (VFS)											
			090												
30			230	2.23 (SSH)											
			300	2.30 (VFS)											
	4.77		080	2.08 (SSH)											
↓			050												
↑			150	0.44 (VFS)											
	5.07		100												
(15)															

DRILL CORE LOG



HOLE No. QHD87003

PAGE No. 1 of 87

8th July

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	5.07		040	↑		vfs w/sh lami									
			100	↓		vfs				SD					
			030	↓ sh .03		sh // vfs				br					
			080	↓		vfs				SD					
				↓ vfs .12		BOX 2									
			040	↓		weathered vfs				br					
			1300	↓ MR 1.30		MR	23.5' = 7.16 m				129 259				-130
			060	↓ ssh .06		ssh				br					
			230	↓ vfs .50		vfs				SD					
			270	↓		vfs w/dk lami rare									
			040	↓ ssh .04		ssh									
			060	↓ crsh .06		weathered crsh				SD					
15°	734		020	↓ ssh .02		ssh									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 2

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
15	7.34		370												
			200	ufs .62											
	7.96		050												
			100	ssh .10											
			060	sh .06											
			200	ssh .20											
			180												
			030	sh .21											
			080												
				ufs .30											
			220												
30			190	sh .19											
	9.10		080												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	9.16						31.5 = 9.60				<del>244</del> 244				○
			060	} vfs .23		vfs				br					
			090				vfs		driller remained?		SD				
			070	} crsh .14		crsh ~ sh				SD					
			070				crsh								
			170	} grsh .17		grsh				SL SD					
			050				ssh								
			150	} ssh 0.28		ssh w/ sh lami									
			080				ssh				sl. SD				
			040	} sh .12		sh									
			080				sh				br				
			060	} ssw .06		ssh				SD					
↓	10.47		450	} MR .45		MR		36' = 10.97			<del>92</del> 137				-45

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 4 5/87

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	10.47		290				vfs			SD					
30							vfs								
↓							.49								
↓		10.96	200				vfs	#							
↓							bluv crsh								
↑			080				ssh w/ sh inc lamina			SL SD					
			040				crsh								
							ssh								
			020				qrsh								
							ssh								
			040				qrsh								
							ssh								
			120				ssh w/ sh - scatt.								
			070				vfs								
							vfs								
			140				bluv. ssh								
							vfs			SD					
			030				vfs								
							sh w/ v/s lense			SD					
			420												
31															
↓		1196	040												
↓															

DRILL CORE LOG



Quintette Coal Limited

# i massive

HOLE No. \_\_\_\_\_

PAGE No. 5

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑          ↓	11.96		200	} vfs .61		vfs				SD					
			060				vfs				br.				
			230				vfs w/ sh cross-bed								
	(31)		120				bluw l vfs				S.D.				
			060		} sh .06		sh w/ ssh scattered								
		12.87			240	} vfs .24		vfs w/ sh irr. lami							
					120	} dkgrsh .12	Box 5					SL: SD			
			230		} MR .23	MR	- 45' = 13.72 -					<del>252</del> 275			-23
			130				vfs					br.			
			300		} vfs .57		vfs w/ faint sh lami					SL: SD			
(22)		140				vfs				br.					
		180	} MR .18	MR	47.5 = 14.47					<del>57</del> 75			-18		
	14.07		100	} ssh .10		ssh				br.					

DRILL CORE LOG



Quintette Coal Limited

SL slightly

HOLE No. \_\_\_\_\_

PAGE No. 6 of 87



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	15.45														
			240												
			040	2 fs .04											
		15.80	070	2 dk grsh .07											
26			150	2 vfs .15											
			040	2 sh .04											
			(360)	2 MR .36	MR										
			360	2 vfs .38											
(22)			020												
			460	2 fs .46											
			040	2 grsh .04											
			200	2 fs .20											
		17.47	040	2 crsh .04											

DRILL CORE LOG



Quintette Coal Limited

# massive

HOLE No. \_\_\_\_\_

PAGE No. 8



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	17.47					Box 7										
			070			↖	fs			br						
22																
↓		18.07	530				fs			SD						
↑			060			↖	ufs w/ sh lamina			SD						
			050			↖	ssh			br						
			050				grsh			SD						
			140				ufs w/ faint sh lamina			} SD						
			050				ssh     sh									
			110				ufs									
			120				ssh     sh									
			040				ufs + sh									
20			470			↖	fs #			} SD						
							64.5 = 19.66									
↓		19.27	110			↖	same as abv									

DRILL CORE LOG



Quintette Coal Limited

# machine

HOLE No. \_\_\_\_\_

PAGE No. 9

8787

281  
305

-24

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	19.27		750			BOX 8									
Ⓟ							fs	massive		SD					
↓		20.11	090					same as ab.v.							
↑			150	grsh .15				grsh w/ vts lens		SD					
			110	vts .11				vts w/ sh lami rare							
19			400					fs w/ faint lami							
			440	fs .84											
		21.37	160	vts .16				same as above		SD					
								vts w/ dk grsh lami							
↓								BOX 9							
↑			140	sh .14				sh w/ vts lami & <sup>like</sup> swamping							
			100	fs .10				fs ~ vts							
Ⓟ			030	sh .03				sh		SD					
			050	ssh .05				ssh							
↓	21.84		150					vts ~ fs							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	21.84		040	} vfs .27		vfs				br.					
			080				— 73.5 = 22.40 —								
			110	} sh .11		vfs									
			180				sh w/vfs laminae & sawtoothing				SD				
			050			vfs w/sh laminae									
			030			vfs				br.					
			150	} vfs .61		vfs ~ vfs				SD					
			080				same as abv.				SL. SD				
			120			vfs				SD					
27			320	} sh .32		sh // vfs, cross bedding									
	23.05		050				grsh				SD				
↑			23.12	} vfs .07		vfs									
28															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	23.12		0.50	sh .05		sh w/ ssh lamina				br					
						BOX 10									
28			160				vfs w/ sh lamina, weakly			SD					
			110	vfs .037			same as abv			SL, SD					
			100				vfs w/ faint lamina			SD					
	23.55		010	cg .01		⊙	rice cgl			SD					
			300				vfs w/ faint lamina								
			090	vfs .42			same as abv			SD					
			030				same as abv.			SL, SD					
	24.17		200	MR .20		MR									
							81.5 = 24.84				209 244			-35	
Roof	24.17		270	.27 MC											
			250	CA .25			CA			br.					
			040	CA .04			MC								
							CA			SD					
24			030	CB .03			CB			SD					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 12

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	24.76	24.80	040	CA .04	1148	CA										
	24.80		150	ssh .15		ssh										
			120	crsh .12		crsh										
			050	grsh .05		grsh										
	25.24		120	MR .12		MR										
	25.24		040	CB .04		CB				powder						
			070	cc .12		cc				SD						
			050			cc				br						
			100	MC .10		MC										
			060			MC — 85 = 25.91										
			130		Top of Box 11											
			030	CB .47	dull CB				br							
			040		Same as abv				SD							
	25.82		060		Same as abv.				SD							

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 13

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	25.82		080				same as abv								
			070				same as abv								
		25.98	010	.01			csb								
			060				grsh								
		26.14	150				grsh			SL, SD					
			080				grsh w/ c lamina								
			150				same as abv								
			120				dkgrsh w/ c lamina rare								
		26.51	020				same as above			br					
			070				grsh			SD					
			180				grsh w/ plant rare			SD					
			050				grsh			br.					
		26.90	090				grsh			SLSD					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 14 9787



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
26	29.23				BOX 13											
↑			560			grsh w/ plant										
			160	grsh 2.12		grsh w/ mlsh irre lens										
			320			grsh w/ mlsh beds & Calcite veins										
			020			grsh					br					
↓	30.59		300			grsh w/c stringer rare					SD					
26			510	grsh .68		grsh w/ ml sh lens irre.					SD					
↑			170			grsh					SL SD					
30																
↓																
29					BOX 14											
↑			220	dkgrsh .05		slightly dk gr sh, crumble					SD					
						— 105 = 32.00 —										
			430			dk grsh ~ grsh					SD					
↓			320	grsh .35		grsh w/ ml sh lens					SD					
↑			030		grsh w/ ssh lens											
28	32.27															





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	34.51														
			180												
			540												
			170	SSW .17											
			250	vfe .25											
			050	SSW .05											
(25)			140	crsh .14											
			320												
			230	grsh 1.45											
			530												
			370												
			090	sh .09											
↓	32.61		230												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	37.61					Box 17	— 125 = 38.10 —								+5	
			280	} grsh .97			grsh									
			220					grsh to crsh		SD						
(25)			190					grsh								
			050					SAME AS ABOVE								
↓	38.70		350	} dkgrsh .35			dk gr sh		SD							
↑			260					ufs								
			710	} vfs 1.69			vfs w/ crsh, sh beds		SD							
22								Box 18								
			200	} vfs 1.69			same as above		SD							
			520					ufs w/ sh irr. lamin beds								
	40.63		240	} fs .40			fs to ms w/ sh irr., faint									
↓								— 135 = 41.15 —								-3



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	43.73		760 750	} vfs 1.35	BOX 20												
(18)																	
↓		44.97	500 510	} vfs w/ sh laminae													
↑			210			} crsh w/ ssh bed x l in lower part											
			360	} crsh ~ sh w/ vfs bed (5 x 2 <sup>m</sup> ) x 2													
27		45.83	290			} grsh w/ vfs ~ ssh bed and laminae											
24			070	} vfs w/ sh stringers													
18			460			} grsh w/ vfs ~ ssh laminae bed											
			240	} grsh w/ ssh laminae rare													
			160				} same as abv										
↓			500	} grsh w/ ssh laminae rare, crumble													
22			560		} grsh												
21		47.96	140	} grsh w/ vfs laminae													

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑						BOX 22 = 706									
②	47.96		.270	grsk .47		grsk				SD					
↓		48.29	060			same as abv.				br					
23			040	vfs .04		vfs				SD					
			290			grsk w/ ssh bed very rare				SD					
			<del>520</del> <del>530</del>	grsk 1.00		grsk				SD					
			190			grsk w/ crsh ssh lami rare									
			<del>200</del> <del>210</del>	crsh .20		crsh				SD					
			030	vfs .03		bluv vfs									
			<del>220</del> <del>230</del>	grsk .22		grsk w/ ssh lami rare									
↓		49.86	080	vfs .08		vfs w/ sh lami				SD					
↑			130	dkgrsk .46		dk grsk w/ plants									
②			<del>330</del> <del>340</del>			BOX 23									
						dk grsk w/ e lami				SD					
↓		50.42	100	ssh .10		ssh w/ sh cur. lami									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	50.42		080												
			140												
			670	1.72											
			040												
22	51.54		190												
↑			140	.14											
			190	.19											
			120	.12											
25			230	.23											
			310	.31											
			130												
				.33											
	52.86		200												
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	52.86		040	CA .04											
(25)															
			120	dkgrsh .12											
		53.22	200	dksh .20											
			500												
			060												
			170	grsh 1.28											
23			550												
roof															
	54.50		(210)	MC .21											
			120	CA .12											
(27)			(050)	MC .05											
			060	CA .06											
			060	CC .06											
Floor	55.00	55.38	(360)	MC .38											

CA w/ dkgrsh (020) br

175 = 53.34

dkgrsh SD

dksh ~ (dkgrsh w/c bed & lamin) SD

grsh ~ (dkgrsh) SD

same as abu br

same as abu SD

BOX 25

grsh w/ plants SD

hanging wall

MC

CA ~ CC Mixed br

MC

CA

(CC) csh Mixed powder

MC

240  
305

-65

+10





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	57.44		100	fs .15						SD					
32			270	grsh .33						SD					
	57.87		060								br.				
			050	ssh .49						SD					
			060								br.				
			030								br				
36			350	vfs .75						SD					
			250								br				
			(140)	MR .14	MR	Box 27									
			040	fs .65						br					
			610								SD				
			400	vfs .40						SD					
37			100	ssh .10						SD					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
11	59.90		100	crsh .10											
			130												
			030	grsh .33											
			170												
		60.46	130	ssh .13											
			040												
			110	grsh .15											
			140	ssh .14											
			300	grsh .30											
			350	crsh .35											
38			560	grsh .56											
		62.13	170	ssh .17											

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 27

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	62.13		340	sh .34		(	sh	bluv	ssh	}	SD				
			360	ssh .36								ssh	bluv	crsh	
						Box 29									
			6356	730 740				grsh			SD				
(38)													311 305		+6
				410			(	grsh			SD				
				250				grsh	w/ calcite <sup>xs</sup>	in upper part	SD				
				360			(	grsh	w/ calcite <sup>xs</sup>		SD				
				340		grsh 3.11		grsh			SD				
						Box 30									
				720			grsh			SD					
				130			grsh			SD					
↓	65.94		170				grsh	w/ calcite veins, broken concave	in lower part	SD					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	65.94		140	} vfs .37												
36			230	} fs 1.00												
			340													
			210													
			210													
			240													
	58.31															
↑			230	} ssh .82												
			590 600													
			110	} crsh .11												
			340 350	} ssh .34												
(31)			330 340	} vfs .33												
↓	68.91															

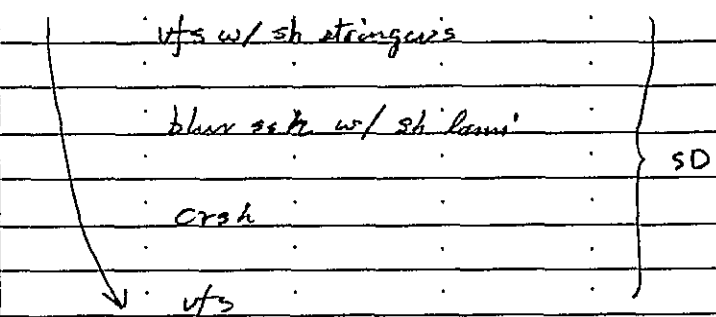
B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑						Box 32 = 214									
	68.91		190	ssh .19		ssh w/ sh lami, weakly									
			170	vfs .17		vfs w/ sh lami, weakly								SD	
31		69.33	060	sh .06		sh // vfs									
↑			290 <del>300</del>			fs in ms w/ dlc lami rare, weakly broken in lower part 4 cm								SD	
			060	fs 1.69		fs w/ calcite vein x 1									
						----- 230 = 70.10 -----								SD	
			610			fs in ms w/ calcite vein x 3									
30		71.02	130 <del>750</del>			fs in ms w/ dlc lami, weakly									
24						Box 33 = 211									
↓			180	ms .18		ms w/ c lami, lensar									
↑			160	vfs .36		vfs vfs								SD	
			200 <del>210</del>			vfs w/ c lami very rare									
23		71.73	170	ssh .17		ssh w/ sh bliv & calcite vein br									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS					
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.						
						239 = 72.85					<del>208</del> 275			- 67						
↑	71.73		270 280	} vfs .80		} vfs w/ crsh - bed x 3														
24		170	} vfs .80												} vfs w/ calcite film					SD
		210																		
↓		150	} fs .15												} same as abv					
↑		150		} fs					SD											
		210 220	} vfs							} vfs					SD					
		110		} blur ssh ~ vfs																
		100	} vfs 1.27						} vfs											
22		680 700		} vfs w/ sh lami, weakly																
23, 21			} vfs						} vfs w/ sh stringer					SD						
↓	73.95	170		} blur ssh																
17		560 570	} ssw .68						} same as abv					SD						
↓	74.63	120																		

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS																	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.																		
17	74.63		230	vfs .23																												
				200													ssh .20	} SD														
				160													crsh .16															
				030													vfs .03															
																	260	fs .26	} SD													
																	270															
		19															290	vfs .29														
																		300														
																		090													crsh .09	} SD
																		450													ssh .45	
																		460														
																		750													crsh .25	} SD
																		700													vfs .70	
																		1350													ssh .135	} SD
																		7864														



Box 35 = 208 cm. Too short.

249/7509m 384/304 +80

259/7894m 58/305 +13



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.		
18	78.64		100	} crsh .82		crsh w/ssh bed	}	SOLID								
			200			blur crsh ~ (ssh)										
			520 540			blur crsh										
						Box 37 = 211 cm										
19	80.18	720 740	} sh .72		sh ~ (crsh) w/ssh lam v rare		SD.									
20	80.26	80.82	080	} grsh .64		grsh										
21	80.26	80.82	560			grsh										
25			730	} grsh 1.15		grsh										
			370			grsh										
			050			grsh w/mud										
			8226	290		dk grsh w/coal lam's' rare										

265 / 80.77 m      166 / 183      -17      (+22)



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	83.35		100			CD	BONEY			SOLID					
			020	0.02		CC									
			020	0.02		CA									
	83.53		040	0.04		CD NCC				SOLID					
			030			CA									
			030			CA									
			020	0.02		CB									
(20)			040	0.04		CC				SOLID					
			030			CA NCB									
			090			CA				SOLID					
			060			CA				SD					
			050	0.42		CA				br					
			120			CA NCB				SL SD					
			070			CA				SL SD					
			(350)	0.35		MC									
	8446		040			CA				br					

DRILL CORE LOG

09 87.58  
36



Quintette Coal Limited

HOLE No. QHT 87003

PAGE No. 35



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	85.46		020	{ CB .02	8	CB				br					
			060	{ CA .06		CANCB					br				
			050	{ CB .05		CB					br				
			020	{ CA .17		CANCB					br				
			150			CA					SD				
	(2)							Box 40 = 169							
			040	{ CC .04		fusitic CC					} SOLID				
			010			CA									
			100	{ CA .13		CA					SLSD				
			020			SA					br				
		050	{ CB .05	CB					br						
		040	{ CA .04	CA					br						
↓	86.05		030	{ CB .03	CBNCC				br						

DRILL CORE LOG <sup>5/1</sup>



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	86.85		050		F floor ↓	cc ~ CB	dull			SL SD					
			140			cc	dull				br				
			150			MC									
Floor	27	87.22	030			CSH	w/c lams				SOLID				
			060			dkgrsh									
			150			dkgrsh					Solid				
	87.43		030			MR									
	87.46		020			CA II	dkgrsh				br				
		87.50	020			dksh	~ powder CA	mixed							
	87.50	87.57	010			dkgrsh					SOLID				
	87.57		030			CA									
		87.68	080			MC									
	87.68		050			CSH	mixed powder siline coal & shale								
		87.76	030			MR									
V	87.76	87.79	030			MC	Box 41 = 199 cm								
↑	87.79		100		MR						290 / 88.39m	118 / 153	-35		
			440		grsh										
			460		grsh										
Ⓢ		88.44	110		dkgrsh	w/c lams	rare								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑				dkgrsh .21											
	88.44		100			dkgrsh				SOLID					
17			680 <del>700</del>			grsh				SOLID					
			260 270	grsh 1.29		grsh	w/ silams rare								
	89.83		350			grsh									
↓															
↑															
			150	crsh .25		crsh									
			100			crsh	w/ vfs irr lens								
28			510			grsh	crsh w/ssh, vfs lams								
↑			150			grsh	w/ssh lams								
			100	grsh 2.36		"	"								
↓															
28	91.33		490			"	"								

295 / 89.9 m      164 / 52      #12 + 8

Box 42



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
28	91.33		<del>730</del> <del>750</del>	↑											
		92.44	380	↑		grsh									
			040	vfs .04		vfs									
			040	sh w/vfs lams											
					sh .07										
			030												
			060	vfs .06		vfs									
			140 150			grsh w/ssh lams lenticular									
			320 330			grsh w/sh w/ssh - tied x2									
			380 400	grsh 1.25		grsh									
31															
		9386	410			grsh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	178.75		180	↑ CA .24	110	CA									
			030		120										
			070	CB .07	130	CB ~ CA			SD						
			050	CD .05	140	CD									
			380		150	CA									
				CA .51	160										
			130		170	CA									
			030	CC .03	180	CC			SD						
			270	CA .37	190	CA									
			100		200	CA			SL, SD						
			(130)	MC .13	210	MC		591 = 180.13		145 153					-8
			010	CB .01	220	F11 CB									
			070		230	CA									
					240	BOX 86									
			140	CA .27	250	CA			SD						
			020		260	Fuant									
			180.40	040	060 floor	CA			SD						
FLOOR 36					070			J. TRAIL							
(34)	180.47		070	grsh .07	080	grsh			SD						

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
33	96.13		110	ssw .11		ssh											
							BOX 45										
			370				grsh w/sh III vfs - bed x 4										
32			340	grsh 2.03			grsh										
			730				grsh										
			590				grsh										
			100				sl. crsh ~ grsh										
				crsh .18													
			080				crsh										
			140				grsh										
				grsh .38													
	9883	240					grsh										

325/99.06      308  
305      +3

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	98.83		040	}						}					
			170		grsh w/ssh lams							SOLID			
			390		grsh						}				
			330		grsh							SOLID			
36			330		grsk 1.29	grsh w/crsh beds									
		100.12	340			grsh					}				
			020			grsh w/calcitic vein						SOLID			
			230			grsh					}				
						grsh						SOLID			
34			720	grsk 2.33	grsh					SOLID					
			100		grsh	muddy				SOLID					
		101.58	410		grsh					SOLID					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
28	102.75	102.85	010			cd									
			020			dksh									
			030			dksh w/c lamms									
			050			dkgrsh w/c lamms									
			050			dkgrsh w/c stream									
33			030			dkgrsh w/ml bed xl									
			050			dkgrsh									
33			290			dksh ~ dkgrsh									
			190			dksh									
			200			dksh ~ csh									
			2100			dksh ~ csh									
			040			coaly ssh									
			180			cd									
			104.05												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	104.05		010	} fs .01		fs				} SOLID					
			080	} cd .08		cd									
			210	} cgl .21		rice cgl w/ dk pebbles				} SOLID					
			050	} fs .05		fs									
			110	}		rice cgl									
(30)			080				rice cgl								
			550	} cgl 1.88											
			560				rice cgl								
			700	}		same as above				} SOLID					
			710				same as above								
			440			same as above									
	106.47		1910	} cs .19		cr. ss w/ rice, c lam. very rare									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	106.47		070			fine agl				SOLID					
						BOX 50 = 207cm									
			180			same as above				SOLID					
			100			peb - agl				SOLID					
			110			cr ss w/peb				SOLID					
(30)			200			peb - agl				SOLID					
			120			fine ~ med agl									
			240			same as above									
			140			fine agl									
			120							SOLID					
			120			same as above									
↓	107.86		120			peb - agl									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	107.86	107.92	060			Same as above									
			580			brn-cgl									
(30)			110	cgl 0.83		peb-cgl									
						BOX 51 = 155 cm - trash hole?									
	108.75		140			rile - peb-cgl									
			050	grsh .03		grsh									
Roof	108.78		010	CA .01	Roof	CA									
	109.18	(390)		MC .39		MC					109.73- 360		117 53	-36	
(17)			060	CB .15		CB									
			090		G1	CB									
			020	dksh .02		dksh									
	109.38		030	CB .03	Floor	CB									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	109.38		270	{ cgl .27												
			010	{ cb .01												
			080	{ MC .08												
			060	{ MR .06												
			060	{ dkgrsh .09												
	109.89		050													
Roof	109.89		010	{ cb .06	Roof											
			050		G2											
			030													
			070	{ cc .08												
			030													
	110.11		080	{ cb .08												



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	110.74		050	SSH .05		ssh									
17		111.02	230	vfs .23		vfs									
22		111.12	100	vfs .10		vfs w/sh lamina				SOLID					
16			070	vfs .07		vfs									
		111.33	140	SSH .14		ssh									
Roof	111.33		070	CA .07	Roof	CA - B				SOLID					
			030	CB .03	G3	CB									
			160			CA				SOLID					
			060	CA 0.33		CA - CB				br					
			110			CA w/fusite				SOLID					
			040			CB w/fusite									
			030	CB .07		CB				SOLID					
V	110.83		030			CB									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	110.83		050	{ CA .05	G3	ca scaly										
			030	{ CB .03		CB				br						
			080	{ CC .08		cc - CB				br						
	112.09		100	{ MC .10		missing coal										
			110	{ ssk .11		ssh										
			140	{ gfsk .14		grsh										
			010	{ CA .01		CA										
	112.49		140	{ gfsk .14		grsh					SOLID					
			160	} vfs 1.03		vfs w/ cal vein										
			130			vfs w/ sh circ. lamina										
					2nd Box #52	Box #52										
	113.28		510		same as above					SOLID						

Floor

Floor

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
16 ↑	113.28	113.52	240	↑		vfs	w/ sh lamination									
			150	{ ssh .15		ssh	crsh									
		11381	140	{ crsh .14		crsh										
				340	{ grsh .34		grsh									
	20			250	{ crsh .05		crsh									
				470	{ grsh .14		grsh									
							60x53									
	20			470	{		grsh w/ plants									
			2100			dkgrsh w/ plants										
19 ↓			270	{ dkgrsh .58		old dkgrsh w/ c-lamin										
		11589	020				dkgrsh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
19	115.89		030												
			<del>025</del>												
	116.05		130	{ grsh .13		grsh w/ crsh beds				SOLID					
			290			vfs w/ sh lamis rare weakly									
			380	{ vfs .89		vfs w/ sh blue rare									
										SOLID	<del>085 115.84</del>		<del>291 305</del>	-14	
			220			vfs w/ sh blue weakly									
			090	{ ssh .09		ssh									
						BOX 54									
			200	{ vfs .20		vfs blue, weakly				SOLID					
			100			fs w/ sh mic lamis				SOLID					
604	117.74		410	{ fs .67		Es w/ calcite in joints				SOLID					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(9)	117.74		160			ts				SOLID					
18			170	.12		ssh 11/sh				SOLID					
			41.20	.46		crsh ~ ssh w/sh lamina				SOLID					
			06.0	.06		ssh				} SOLID					
			2.30	.35		vfs w/sh lamina									
			070			vc in fs									
			190	.19		ssh w/sh lamina									
			070	.07		grsh				} SOLID					
			040	.09		crsh									
	119.32		02.1	.08		grsh									









B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 59									
21	127.77	128.53	760	grsh .76		grsh				SOLID					
			350	grsh .400		grsh									
		129.01	130			grsh									
17			020	dkgrsh .02		dkgrsh					425/129.53m		<del>303</del> 304	-1	
			040	dksh .04		dksh - dkgrsh									
			010	grsh .01		grsh - cc									
	129.08		030	CA .03		CA				br	129.13				
			010	grsh .01		csk w/ pyrite				br					
			040	OB .07		CS				br					
			030			CB									
			040			CA				SOLID					
			050	CA .16		CA									
	129.31		030			CA									

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	130.63		030	CC .03		CC									
			050	CB .05		CB NCC									
			050	CA .05		CA									
			140	CB .14		CB (cements)				SOLID					
	130.90	130.95	050	CD .05		boney CD									
			060	CB .06		boney CB-CC									
			080	CA .08		CA ~ CB w/cal. films									
			030	CB .10		CB									
			070	CB .10		CB				br					
11			060	MC .06		MC									
			040	CB .06		CB				SOLID					
			020	CB .06		CB w/jasite									
↓			020	CC .02		CC				SOLID					
↑		131.36	070	CA .07		CA									
		131.43	030	CB .03		CB									
11b		131.46	030	CA .03		CA									
	131.46	131.53	070	CD .07		CD									
			060	CD .07		CA									
			110	CA .24		CA				SOLID					
		131.77	070	CA .24		CA (soft)									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	132.50		060 060	cc .06		cc - ca Fusil									
		132.57	010	CA .08		CA w/ calc lam									
	132.57		070	CA		CA									
			200	MC .20		MC									
			050	CA		CA									
			010	Fusite		Fusite									
			060	CA		CA									
				CA 0.38		BOX l <sub>1</sub>									
			080	CA w/ F lam x 1		CA w/ F lam x 1									
			080	same as above		same as above									
	133.22		100	CA		CA									
		133.22	100	sh .10		sh									
			140	ssh w/ sh lam		ssh w/ sh lam									
	133.63		150	ssw .53		same as above									

Floor  
↓  
↑

J  
bottom  
↓



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
12	133.63		220			Same as above				SOLID					
			070			crsh w/c lam. & v. fine									
17	13394		020			grsh									
	13394		050			CA w/ vit lam) CA									
	134.07		030			CA									
	134.07		050			dkgrsh				SOLID					
			010			CA ~ CB									
			020			CA									
	134.10		015			MR									
			100			MR									
	13422		020			dkgrsh									
	13422		040			MC									
			040			SA → CA w/Fxl				SOLID					
	134.30		050			dkgrsh w/c lam									
	134.60		050			Same as above									

Root

# DRILL CORE LOG



HOLE No. QH087003  
PAGE No. 64



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	135.08		130		K1	CA w/ Fut in lower				SOLID						
↑																
Ⓟ																
			0270	CA .31			CA				SOLID					
			110			CA				SOLID						
	135.21	135.41	0220	CB .02	Floor ↓	CB scaly				SOLID						
	135.41		070	grsh .07		grsh				SOLID						
			040	crsh .06		crsh				SOLID						
			200	grsh .20		grsh w/ clumps										
			350	vfs .35		vfs 1 1/2' blur										
			070	ssw .07		ssw										
			2.000			fs ll				SOLID						
				fs .50		fs										
	136.40		040			fs				br.						

445  
135.63

256  
1304

-48

Floor

DRILL CORE LOG



HOLE No. Q4087003  
PAGE No. 166 5787



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	138.17		060			crsh ~ ssh									
											455 158.68		276 305	-29	
20		138.51	280			grsh w/ssh rare				SOLID					
			160			ssh w/ssh lams									
29			580			grsh w/ssh lams rare									
						BOX LIT									
21			200			grsh				SOLID					
			030			grsh w/ssh lams									
Roof.	139.48		340			MC									
			040			CA (CB w/vit lams)									
			11			CB w/vit lams									
			170												
			110			CA ~ SA				SOLID					
			140.09			CSH									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	141.34		040	↑		same as above	SL								
			040	vfs .04		vfs	SL								
			030	grsh .03		grsh w/c lam				br					
			040	dkgrsh .08		dkgrsh									
			090	vfs .16		vfs	blur								
			090	vfs .16		vfs w/sh bed lam weakly									
22			310	fs .31		fs # in (ms)									
			090	vfs .09		vfs w/sh lam weakly									
↓	142.09		180	fs .22		fs #									
(18)			040			same as above									
	142.31	142.42	110	↓		dkfs	blur								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION'					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑																
	142.42		250	} fs 1.40												
			010			caliche					50-10					
			310			fs										
18			600			fs w/sh lam <sup>s</sup> very <sup>2</sup> rare weakly										
	143.71		120		fs w/sh lam <sup>s</sup> weakly											
					BOX lolo											
↑			100	} vfs .10												
23			300			fs w/sh lam <sup>s</sup>										
			1100	} fs .46												
			050			vfs										
				} vfs .07												
	144.34		020			same as above										

144.12  
475

298  
304

-6





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	145.95		320			grcrsh									
			200			grsh									
			750			grsh									
			110			grsh									
						405-147.82					301 305				-4
			530	grsk 1.76		grsh (sltk)									
						BOX 108 = <sup>221</sup> 243 cm!									
			150			grsh ssk w/ some VFS bands SOLID									
18			020	ssk		pyrite lense									
	15007		2040			grsh ssk w/ some VFS bands SOLID									
17			520			grsh w/ ssk lense very very rare									
			710	ssk 3.14		grsh w/ ssk lense very 2 lense									
			050			grsh									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Bas 69									
			010			vfs									
			020			ssh w/sh - spec					SOLID				
			150			vfs									
			100			vfs w/sh bed weakly sh - spec									
15			170			vfs									
			070			ssh w/sh spec									
			070			ssh w/sh lamin rare									
			150			vfs									
			180			vfs w/sh - beds weakly sh - spec									
						Box 70 = 212 cm									
15	152.20		120			vfs					SOLID				
		15236	040			ssh									
						sh blue (ssh)									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	152.36		070	vfs .07		vfs									
			040	ssh .04		ssh w/sh - spec									
			300	vfs .30		vfs - w. some shale bands									
			<del>040</del>			<del>ssh w/vfs</del>									
(15)			<del>200</del>			<del>crsh ml</del>									
			250			fs									
			260			same as above									
			010			cal lith.									
			400	fs .107		fs #									
						— 505 = 153.92 —									
			160			fs block									
(18)	153.94	153.90	020	grsh .06		grsh - broken									

DRILL CORE LOG



HOLE No. Q14081234

PAGE No. 7

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
18	153.90		070			crsh	w/ssh	incl bed							
			450			fs #									
								BOX 71 = 208 cm							
			450			fs #									
			260			fs	w/sh lamii	very <sup>2</sup> rare							
18			260			vfs	w/sh lamii								
			120			sh	vfs								
			200			crsh	w/vfs								
			110			ssh									
	155.82		110			vfs	w/sh blurr and lamii								
(12)	156.50		570			vfs									
								BOX 72 = 197 cm							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	156.50		140	↑		vfs					}				
			040			vfs blur				SOLID					
			020			ssh									
				ssw .12		— 515 = 156.96 —					<del>302</del> 304		-2		
			1000			ssh ~ vfs					}				
			310	vfs .31		vfs ~ (ts)				SOLID					
			050	ssw .05		ssh									
12	156.23		070	vfs .07		vfs w/sh bed					}				
18			300	ssw .30		ssh #				SOLID					
			250	fs .25		fs ~ vfs w/sh bed & lami weakly rare					}				
			450			vfs solid irr.				SOLID					
				vfs .63		vfs w/sh bed rare weakly									
	158.41		180												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	158.41		060												
			670												
			340												
			280												
			690												
			630												
			670												
			040												
			020												
	161.83		670												



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	161.83		100			same as above									
						533 = 162.46					180 245	167 245			
18			070	crsh .07		crsh									
			120	sh .19		sh    ssh									
			037.0	sh .07		sh w/ssh laminae				SOLID					
			051.0	vfs .07		vfs									
			170	sw .17		sh w/ssh laminae									
						BOX 75 = 214 cm									
			720	crsh 117		crsh									
			450	crsh		crsh				SOLID					
(19)			070	ssh .07		ssh									
	163.73		060	vfs .06		vfs									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
19	163.73		120	sh .12											
			210	ssh .21											
			190	crsh .19											
			090												
	164.62		230	ssh .37											
			050												
			090	vfs .09											
			090	grsh .09											
20			150	vfs .15											
			090												
				grsh .18											
			090												
			050												
			090	ssh .17											
	165.28		035												

sh w/ vfs, ssh lamie rare

ssh ~ vfs || sh ~ crsh, (sh-spice)

crsh

ssh ~ blue

ssh ~ crsh

Box 71e

ssh

vfs w/ sh beds

grsh

vfs w/ sh beds

grsh w/ ssh lamie

543 - 165.51  
- 558 = 168.53

ssh as above

ssh || grsh

ssh

ssh w/ blue lamie

5040

50

3/11  
305

+6



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
21	168.23		4.80	grsh .98											
			1.00	ssh .10											
		169.06	2.50	grsh .25											
			0.70	sh .07											
			2.40	vfs .24											
			1.40	crsh .14											
			1.00	vfs .10											
			0.80	ssh .08											
			0.70	vfs .07											
			0.70	grsh .07											
			1.10	ssh .11											
			0.50	crsh .05											
			0.60	ssh .06											
		170.23	1.80	grsh .18											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
18	170.23		480	vfs .48											
			240	crsh .24											
			210	vfs .21											
			120	crsh .12											
			050												
				vfs .45											
			280												
			120												
			080	crsh .08											
			120	vfs .12											
			140	crsh .14											
			210												
			390												
			010	vfs .126											
V	172.97		290												

vfs w/sh ~ crsh bed lami } SOLID  
crsh w/ssh bed

BOX 79

vfs  
crsh ~ sh w/sh irr lami } SOLID  
vfs w/sh stream

563 171 60  
- 573 = 174 64 -

~~310~~  
305

-5

vfs w/sh, blur, sh lami  
vfs

sh w/vfs bed x1 2cm  
vfs  
grsh w/vfs bed 3cm  
vfs, blur in water } SOLID

vfs ~ fs  
vfs ~ fs w/cal #  
vfs w/ fs

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 80									
↑	172.97	173.33	360	↑		vfs #									
(18)			010	{ sh .01		sh    vfs w/cal									
↓			180	{ vfs .18		vfs ~ vfs #									
20			170	{ dkgrsh .17		dkgrsh pyrite									
			180	{ vfs .18		vfs bed									
			060	{ ssw .06		ssw <sup>grad</sup> ~ vfs w/sh-spec									
↓	173.95		020	{ grsh .02		grsh									
↑			010	{ ms .01		ms ~ crsh									
			1160	{ grsh .16		sl. dk, grsh									
(19)			070	{ cs .07		cr. ss ~ rice clg									
			140	{ ms .14		sh blk ms sl. dirty									
↓	174.39		060	{ dkgrsh .06		dkgrsh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
							573.5	174.80							
							<del>583.5</del>	<del>= 177.85</del>				<del>306</del>			-14
11	174.39		090	{ grsk .09			grsh w/subi								
			210	{ cgl .21			rice cgl								
			090	{ vfs .09			vfs w/sh lam. rare								
			160	{ grsk .16			sl. dirty								
			020	{ cs .02			cr. ss ~ rice cgl								
			030				grsh w/fs blur								
							Box 81								
			230	{ grsk .26			grsh w/fs, vfs 4cm bed								
↓		175.36	140	{ cgl .14			peb-cgl								
18			190	{ fs .19			fs w/peb in lowest %								
↓		175.60	050	{ grsk .05			grsh								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
10	175.60		150	ms .15		ms	.	.	.						
↓			430	fs .43		fs w/sh blur weakly	.	.	.						
↑			080			vfs	.	.	.						
14			050	vfs .35		vfs	.	.	.						
↓			220			vfs	.	.	.						
16			070	cgl .09		rice cgl	.	.	.						
			0210	sl .04		sh w/ssl stain	.	.	.						
			120	fs .12		fs	.	.	.						
			030	cgl .03		rice cgl	.	.	.						
			030	grsh .03		grsh	.	.	.						
			100	cgl .10		bean cgl	.	.	.						
↓	17703		090			fs	.	.	.						





**Quintette Coal Limited**  
**1987 Exploration Report**  
***Descriptive Log***  
**QHD87004**

QHD 87004

Transfer

D Seam P1 ~ 3 ✓

E Seam P9 ~ 14 ✓

Checks (F) Seam P20 ~ 23 ✓

G Seam P30 ~ 35

J+K Seams P43 ~ 51 — corrected

Logged by H. WADA

Check 870 (A) - 90 (F) ✓

87004



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	9.99		1.00	} grsh .10		gr sh									
			0.70	} crsh .07		cr sh									
31°			2.00	} ssh .20		ssh w/ sh lami				sd					
			1.50	} grsh .16		gr sh									
25°			0.60	} dkgrsh .06		dk gr sh, w/ c lami									
			0.10	} dksh .01		dk sh				sd					
			0.20	} cc .02		cc banded				sd					
	10.57		0.30	} dkgrsh .03		dk gr sh				sd					
Roof	10.57		1.10	} cc .11		cc ~ cB				Semi br					
Floor	10.77		0.90	} MC .09		MC									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
						MR		36' (10.97)				119 152			-33
	10.77		100	dkgrsh .10		dkgrsh				Semi-sd					
			130			grsh				"					
				grsh .37	Box 2										
			240			grsh				sd					
	11.29		(050)	MR .05		MR		38.5' (11.73)			24 76			-29	
Roof	11.29		(450)	MC .45		MC									
(25)			040	dkgrsh .04		dkgrsh		w/ coal		sd					
			020	cc .02		cc		w/ ish		"					
			050	dkgrsh .05		dkgrsh		w/ c lami							
			040	osh .04		osh				Semi solid					
	11.92		030	CD .03		CD									
Floor			(150)	MR .15		MR									
(20)	11.92	12.29	220	grsh .22		grsh				sd					

DRILL CORE LOG



HOLE No. 87004  
PAGE No. 3















B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	26.92		050	CA .05		CA				sd					
			050	CC .05		CC	w/ vitrinite lami			semi sd					
			070	CB .07		CB	"			"					
			020	CD .02		CD				br					
			020	CA .02		CA				"					
Floor		27.16	030	CC .03		CC (CB w/ Fusite lami)									
23	2716	2735	190	dkgrsh .19		dk gr sh	w/c lami			sd					
			030	CD .03		CD	w/ vit lami			"					
			050	crsh .05		crsh	"			"					
			000	dkgrsh .37		dk gr sh				"					
			170	dkgrsh .17		dk gr sh	w/c stringers nami			"					
			050	MR .05		MR									
					Box 10										
26		2800	150	dkgrsh .15		dk gr sh	w/c stringers nami			"					

Root

DRILL CORE LOG



HOLE No. 87004

PAGE No. 10

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
26 ↓	2800		085	0.08		CA	banded		broken at mid 3cm						
		2812	040	0.04		MC									
			030	0.03		MR									
25' ↑			050	0.05		dk sh	w/ c lami.								
			020			dk gr sh	w/ c lami rare, plant f.								
			060			Same as above.									
				084					94.5° (28.8°)		268 320				-52 (magnetic dip correction)
			160			Same as above									
Root ↑	29.04		030	0.03		dk sh									
		2914	070	0.07		cs sh									
Floor ↑			000	0.00		dk gr sh	w/ c lami rare.								
		2949	050	0.05		dk sh	w/ c lami								

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	29.49		240	dkgrsh .34	Box 11	dkgrsh				sd					
			070	MR .07		MR									
	29.90		080	MC .08		MC									
19															
		30.00	020	CB .02		CB					bn				
			070	dkgrsh .07		dkgrsh					sd				
			280 <del>200</del>	crsh .28		Cr sh					"				
			250 <del>270</del>	grsh .25		grsh ~ (crsh)					"				
			020	CD .02		CD					bn				
			100 <del>110</del>	crsh .10		Crsh w/ calc.					Semi sd				
			530 <del>560</del>	grsh .53		grsh w/ ml band x 2.					"				
			090 <del>100</del>	crsh .09		Crsh w/ ml lens					"				
20	31.74		400 <del>420</del>			grsh, dirty					sd				

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	31.74		120 <del>130</del>	grsh 1.52		grsh	w/ plant fossil		sd						
					Box 12					275 320				-45	
			130 <del>140</del>	dkgrsh .13		dkgrsh	w/ c stringers		sd						
			450 <del>470</del>			grsh			"						
(28)			300 <del>320</del>	grsh 1.04		grsh	w/ plant fossil		"						
			290 <del>310</del>			grsh	w/ c laminae		"						
Root	33.40	33.40	370 <del>390</del>	grsh .37		grsh	w/ plant fossil		"						
			040	CA .04		CA			sd						
			080	CB .08		CB			bn						
			020	CC .02		CC	banded		"						
	33.59		050	CD .10		CD	dull								
					Box 13										



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
20	33.59		250	↑		cd	dull			br					
			280	} CA .08		CA				Semi sd					
			240	} CB .04		CB				br.					
			180	} MC .18		MC									
			250	} CA .05		CA				Semi sd					
	3405		260	} CC .06		CC	banded			sd					
Floor	32		100	} CSH .10		CSH				Semi sd					
			160	} dkgrsh .23		dkgrsh	w/c stringers			"					
			270			"	"			br					
			100	} grsh .10		grsh				sd					
	34.58		100	} dkgrsh .10		dkgrsh	w/c stringers			"					
Roof							116' (35.06)				264/236			-72	
Floor	34.58	35.05	470	} MC .47		MC	v. hi ash								
			430	} grsh .87		grsh	w/c lam			sd					
	35.92		440			grsh	ml lam, pyrite fill.								

DRILL CORE LOG



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Box 14											
↑	35.92		160	crsh .16	Box 14	Crsh				sd.						
27			510	ssh .51		ssh w/ifs, w/sh lami					"					
21			060	ssh .06		ssh, w/sh lami					sd					
			1560			grsh, w/ ml lens & plant fa.					"					
			420			grsh, calc. veins at upper					"					
	* 3796		330			gr sh					"					
				grsh 2.00			————— 126' (.38.40) —————					281 304			-23	
						Box 15										
			690			gr sh w/ ml sh irregular lami					sd					
↓			1520			ssh w/ifs, w/sh lami broken at top & bot.										
↑				ssh .62	Box 15											
(22)			100			ssh w/ifs, w/ weak sh lami					sd					
						gr sh										
↓			39.29	grsh .02												



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	41.21		170	crsh .17		crsh									
24			180			ssh	w/sh weak lami								
			290			ssh,	crsh bands (just 5cm thick)								
			160	ssh .69		ssh,		broken in upper 5cm.							
					Box 17										
			260			ssh			sd						
			230	vfs .23		vfs ~ ssh,	w/sh lami								
			200			ssh,	w/sh lami								
			240			ssh,	w/vfs & sh lami								
			430	ssh 1.19		ssh	w/sh lami								
			320			ssh	w/crsh bands								
↓			120	vfs .12		vfs,	w/sh lami rare.								
(22)		4392	310	ssh .31		ssh,		broken btm 5cm.							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	43.92		(100)	MR .10		MR		146' (44.50)			293 / 205			-12	
22			110	SSH .11		ssh				sd					
↓					Box 18										
↑			290			ssh		w/sh lami calc. at btm		"					
			230	SSH 2.19		ssh		w/sh lami		"					
27			720			ssh		w/sh lami & u/s band		"					
			750			ssh		w/sh lami		"					
↓					Box 19										
30			200	SSH .20		ssh		w/sh lami		sd					
			200	CRSH .20		crsh				"					
			360			ssh									
				SSH .68							2506 / 1905			+1	
↓	4740		320			ssh w/s		w/sh inner lami		sd					





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
24	52.66		0.32	MC 0.32											
			0.30	CB 0.03											
			0.60	CC 0.06											
Floor															
	53.07		0.15	dksh 0.15											
			0.10	CB 0.01											
			0.60	CD 0.06											
	53.34		0.50	MR 0.05											
Roof			0.50	CC 0.05											
			0.50	CB 0.05											
			0.30	CD 0.03											
Floor		53.53	0.60	CB 0.06											
	53.53	53.68	0.15	MR 0.15											
Roof	53.68	54.84	1.16	MC 1.16											
Floor															
	54.84		0.50	dkgrsh 0.05											
		55.04	0.15	grsh 0.15											
V															

DRILL CORE LOG



HOLE No. 87004

PAGE No. 21

0.92 -



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						———— 123' (55.72) ————					20 92			-72	↓ 23
↑	55.04	55.07	0.30	dksh .03		dk sh	w/c lami			sd.					
			0.70	CA .07		CA				"					
			0.20	CB .02		CB									
			(580)	MC .68		MC									
	55.74	55.78	0.40	dkgrsh .04		dk gr sh									
	55.78	56.17	(390)	MC .39		MC									
	56.17	56.22	(050)	MR .05		MR	———— 126' (56.49) ————					16 91		-75	
(24)			(610)	MC .61		MC									
						———— 128' (57.00) ————					0 61			-61	
			200			CA	scaly			bn.					
			240	CA .80		CA	pulverized								
					Box 23										
			360			CA	pulverized								↓
↓		57.65	0.20	dksh .02		dk sh									

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
20	60.94		470	fs .47	Box-25	fms	#		bk lami at top							
			750	fs .75		fms				weak lami sd						
10			610	fs .61	Box-25	fms			w/ sh patches							
			050	ms .05		ms										
			080	sh .08		sh										
			060	ufs .06		ufs										
15			580	fs .78	Box-25	fms			w/ sh 3cm-thick band							
			200			fs	fs				w/ sh lens					
18	642.4		500	fs .50	Box-26	fms			w/ 1cm sh band							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	64.24		720			ms f.s. w/ weak lami sd									
			740			Same as above.									
				ms 2.13		— 216' (65.84) —					293 305			-12	
						Same as above									
19			670		Bore 27										
↑															
17	16 ~18		72			Same as above									
			75	ms 1.47		"									
↓					Bore 28										
↑			740			ms. sh patch near weak lami c lami near.									
					(28)										
			670			same as above sd									
				ms 4.88		— 226' (68.89) —					295 305				
			580			ms w/ weak lami "									
↓	69.94		710			Same as above									

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 07004

PAGE No. 25

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	69.94		690	↑		ms (G.S)				"					
					Box 29										
			310			Same as above.				"					
			650			ms				"					
						———— 236' (71.93) ————					294 304			-10	
28'			200			ms w/bk lami				"					
			930			ms #1				"					
					Box 30										
36			200			ms w/esh stringin				"					
			630			ms w/weak lami				"					
			720	ms 2.10		Same as above				"					
	7460		430			ms, .C lens at btm									

DRILL CORE LOG



HOLE No. 87004

PAGE No. 26

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						————— 246' (74.92) —————					301 305			-4	
	74.60		220			ms				sd					
(26)					Box 31										
			370	2.05		cs				w/ many c lenses					
			<del>260</del>	1.37											
			310			fs				w/ sh lenses	sd				
			<del>300</del>												
			750	fs		fs					"				
			<del>740</del>	1.61											
			550			fs ms				w/ sh fine lam	"				
			130	ms .13		ms				w/ c lens	"				
			230	gr sh .03		gr sh					"				
					Box 32										
			260	fs 1.26		fs ms				w/ c lens rare	sd				
			110	gr sh 1.11		gr sh									
34	77.66		230	fs 1.33		fs				w/ bk lam					







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
26	84.02	84.72	700	fs .85												
27			420	fs .42												
	85.14		050													
			040	cc .12												
			030													
			090	CB .09												
			050	cc .05												
					Bar 36											
			050	CB .05												
			(400)	MC .40												
	85.98		130	CB .13												
	85.98	86.08	(100)	MR .10												
	86.08		(110)	MC .11												
		86.26	070	CB .07												
	86.26		050	dk gr sh .05												
		86.36	(090)	MR .05												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	86.36		080	CC .08		CC				sd					
(27)			050	CA .05		CA				"					87.84 - 86.79 = 1.05
			020	CB .02		CB	banded			"					<del>1.05 - 0.56 = 0.49</del>
			(050)	MC .05		MC									
					48-45'	fault									
Floor ↓															
80	86.56	86.79	230	MS .23		ms	dk colour			sd					
Roof															
↑			(420)	MC .42		MC									
↓			050	CB .05		CB ~ CC	banded			sd					
13			050	CD .05		CD ~ CC	dull			sd					
			090	CB .09		CB ~ CC				"					
			050	CC .05		CC	dull			"					
↓		87.48	030	CB .03		CB				"					

DRILL CORE LOG



HOLE No. 87004

PAGE No. 3/

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
13															
	87.48		100	CA .10		CA				sd					
			230	CC .03		cc	dull			"					
	87.61	87.66	250	CD .05		CD	dull			"					
			230	CA .10		CA				"					
			070				CA				"				105 - 625
			225												
			220	CC .02		cc				} SOLID					
Floor															
12	87.78		060	CD .06		CD									625
	87.84		090	dkgrsh .09		dk gr sh				"					
		87.98	050	MR .05		MR									
Roof	87.98		030	CB .03		CB	banded			"					
			040	CA .14		CA ~ CB				br					
			100				CA ~ <del>CB</del>	n/ vit. Jam			sd				
		88.18	030	CB .03		CB				sd					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
12					B-37											
	88.18		040 050	cc .04		cc	pulverized									
			140	ca .14		ca				sd						
			050	cb .05		cb	(cc w/ vit lam)			"						
			030	cc .03		cc				"						
			030	cb .03		cb				"						
			090			ca				"						
			040			ca				br						
			100 110	ca .28		ca				sd						
			040			ca				"						87 OK
			020			ca				"						
18			020	cd .02		cd	ish			"						↓
		88.79	020	dkgrsh .02		dkgrsh				"						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
18			020	CC .02		CC				sd					
						— 291.5 (88.85) —					<del>162</del> 198			-35'	
		88.84	030	CB .03		CB ~ CA									
			010	CD .01		CD	banded							↓	
			050	CRSH .25		dk crsh.				sd				↑	
			300	SSW .30		dk ss'h				"				G4	
		89.56	160	CRSH .16		Crsh				"				71	
		89.56	100	CA .49		CA				"				↓ ↑	
			080				CA	CB w vit.			"				
			060				CA				"				
			050				CA	w/ vit. lim.			"				
						— 295.5 (90.07) —					<del>124</del> 122			+2	
			280	MC .28		MC									
		90.45	120	CA .12		CA				sd					

Floor ↓

Bof ↓

DRILL CORE LOG



HOLE No. AHD 87004

PAGE No. 34



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	91.83		0.60	dkgrsk .06		dk gr sh									
17			0.50	cd .05		cp (ash w/ clari)									
↓	91.94		0.40	mc .04		mc									
			0.20	ca .05		ca									
		92.03	0.30	ca .05		ca, banded									
↓			0.10	cfsh .04		ash									
↑			0.30	cfsh .04		ash w/ ssh									
			0.30	vfs .3		vfs sh stringer									
			0.16	fs .16		fs dk lani									
			0.50	grsw .05		gr sh									
			0.10	ca .01		ca									
					Box 39										
22			0.70	grsw .07		gr sh									
↓		92.99	0.30	vfs .33		vfs w/ fs dk lani									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	92.99		(090)	MR .09		MR	305.± (92.12)				262 305			-43	
			100	vfs .22		vfs				sd					
			120	vfs		vfs	weak sh lami			"					
(22)			070	ssw .07		ssw	dk gn sh lami			"					
			240	vfs .24		vfs	dk gn sh lami			"					
			150	fs .15		fs	sh lami. rami			"					
			050	vfs .05		vfs				"					
↓			060	crsw .06		crsw				"					
↑			070	ssw .07		ssw				"					
18			100	grsw .15		grsw				r					
			050			grsw									
↓															
12	9454		450	vfs .45		vfs	ssw sh weak lami			"					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(12)	94.54		060	sh .06	Box 40	sh // vfs				sd					
			100	} vfs .24		vfs	weak lam				"				
13			140				Same as above				sd				
			080	ssh .08			ssh				"				
			080	crsh .08			crsh				"				
			240	grsh .24			grsh				"				
			010	CA .01			CA				"				
			200	} grsh .52			grsh				"				
			320				grsh					"			
							missing								
			9582 050	csk .05			csk				semi sd				

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	9582		100	} dkgrsh .10		dk gr sh	c. lami			Some sd					
			260	} vfs .29		vfs. muddy, shingy lami				sd					
			230			Same as above				"					
						———— 315.8° (96.26) ————					1313 1314			-1	
			070	} ssh .07		ssh ~ Cr sh.				"					
12 13			180	} grsh .18		gr sh				"					
			100	} dkgrsh .10		dk gr sh	c. lami			"					
			160	} grsh .16		gr sh				"					
			110	} crsh .11		Crsh ; vfs irreg. lami				"					
↓					Box 41										
↑			270	} vfs .27		vfs. sh lami; ssh band				"					
14			130	} .59 ssh		ssh sh weak lami				"					
↓	9749		360			ssh ~ Cr sh									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(17)	99.31		130			fs.	dk gr sh	lami		sd.					
18			070			gr sh.	ssh	lami	none	"					
			100			ufs.	sh	lami	none	"					
			010			calc. vein				"					
			200			ufs.	sh	lami		"					
			010			fs.				"					
			040			ssh.	sh	lami		"					
			270			fs.	weak	lami		"					
19			060			ufs.	sh	lami		"					
			590			fs.	weak	lami		"					
					Box 43										
(14)	13 ~14	10/49	340			Same as above.				sd					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	101.43		0.10	ssk .01		ssh	lami			sd					
			0.40	crsh .24		Crsh	in ssh			"					
(14)			1.50	vfs .15		vfs	sh lami	vario.		"					
			1.10	fs .11		fs				"					
			0.30	grsh .03		gr sh				"					
			0.20	crsh .33		Crsh				"					
			1.10				Crsh				"				
			0.30	ssk .03		ssh				"					
			0.20	crsh .02		Crsh				"					
15			0.90	grsh .69		gr sh				sd					
					Box 44										
13	103.44		4.00	grsh .40		Same as above									

288  
305

-17

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	103.44		360	{ dkgrsh .36													
			210	{ grsh .21													
(13)		104.04	230	{ csh .03													
			200	{ grsh .56													
11			360														
↑ Roof	104.65		250	{ CB .05													
			070	{ CA .07													
			250	{ CB .05													
			020														
				{ CA .08													
			020														
	104.85		040														
↓																	

↑ Roof

J

— 344 (104.85) —

$\frac{260}{1244}$

+16

(13)

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
//	10485		04°	CB 3.04	Box 45	CB				sd					
			17°	✓		CA					"				
			18°	CA 38		CA ~ CB					sd				
			03°			CA					"				
			03°	CB 3.03		CB					"				
			06°	CA 3.06		CA					"				
			03°	CB 3.03		CB					"				
			07°	CA 3.07		CA					"				
			02°	CC 3.02		CC					"				
			04°	CA 3.14		CA ~ CB					"				
			10°			CA					"				
↓	10576		14°			CC					"				

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 44

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
11	105.76		070	CC .23		cc (ncB)				Semi sd					
			070	CB .07		CB				"					
			046	CC .04		CC ~ CB				"					
			100	CB .10		CB				sd					
			050	CC .05		CC				"					
			080	CA .15		CA				"					
			070			CA ~ B					"				
			050	CD .05		CD				"					
			070	CA .07		CA				"					
			010	CD .01		CD				"					
			040	CA .04		CA ~ B				"					
	105.88		150			CB		calc. film.		"					

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 45



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
11	106.58		100	↑ CB .25		CB	.	.	.	.					1.89
															<del>1.83</del>
						3.50 (106.48)					189 183				+6
			030	CA .03		CA ~ CB	.	.	.	sd					
			090	CB .09		CB	.	.	.	"					
			020	CD .02		CD	.	.	.	"					
			030	CB .03		CB	.	.	.	"					
			020	CD .02		CD	.	.	.	"					
			040			CA	.	.	.	"					
			050	CA ~ CB		CA ~ CB	.	.	.	"					
				CA .25	Bx 46		.	.	.						
			160			CA	.	.	.	"					
	10716		040	CD .04		CD	.	.	.	"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 46

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	107.16		040	0.09		CA			broken - pulverized							
			280	0.28		ME										
			300	0.20		CA				sd						
			100	0.10		CB				vit. lam						
			040	0.09		CA ~ B										
			030	0.03		CB										
			350			CA					sd			183 - 165 = 18		
Ⓜ			120	0.47		CA				Fx1						
			020	0.02		CD										
			070			CA										
						356' (108.5')										
			070	0.20		CA					sd					
			030			CA					bn					
Floor ↓	10860		090			CA					sd					

me  
↓  
183 - 165 = 18  
0.30'

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 47

11.0  
0.19

(.97)

165  
183

- 38

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					1 Floor										31
18	108.60		140	grsh .14		gr sh.	c lam			sd					
16			230	grsh .23		gr sh.	pt. frag.			"					
21			100			gr sh.				"					
				grsh .26	Box 47										0.64
			160		0.63	gr sh.									*
			050	dkgrsh .05		dk gr sh.	c lam								
			070	MR		MR									
	109.35		070	CA		CA (SA)				sd					
			075	.02											
			020	dkgrsh .02		dk gr sh.				"					
			025	.02											
			109.42	CA .03		CA				"					K0
			110	dkgrsh .11		dk gr sh.	c lamses								0.455
			010	CB .01		CB									
			109.62	dkgrsh .08		dk gr sh.	c lam								↓

Roof.

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 48

91mm

1/11/15

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	109.62				↑ Roof	MISSING									
			080	cc .08	K1	cc		mixture of coal & shale	br						
			010	cd .01		cd			sd						
			020	ca .02		ca			br						
14 215			020 015	dksh .02		dk sh			sd						
			020 025	cc .02		cc			"						
			070			ca			"						
			050	ca .23		ca			sd						
			110			ca ~ cb			"						
			050	cb .05		cb			"						
			050	cd .05		cd			"						
			060	ca .06		ca			"						
↓	11023		070	cb .07		cb ~ ca			"						

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 49

11023 615

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	110.23		060	0.06	K1	CA				sd				1895	
			040	0.04		CB					br.				183 - <del>299</del> =
						— 360' (110.34) —					185 183			+2	
(15)		110.52	190	0.19	Floor ↓	CA				sd					
Floor ↓	110.52		040	0.04	K2	dk gr sh, c lami				sd					
			050	0.05		CA					"				
			180	0.18		dk gr sh, c lami					"				
20	110.23		200	0.20		dk gr sh,					"				
			150	0.15	Box 48	gr sh, crush lami rana				"					
						gr sh,					sd				
20	111.20	111.28	140	0.14		gr sh,				sd					
Roof ↓	111.28	111.35	070	0.07	Roof ↑	CA ~ CB				"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 50

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	111.35		060	CA .13	K2	CA ~ CB				br					
			(300)	MC .30		MC	366 (111.56)				108 122		-14		
			110	CA .11		CA					sd				
(20)			040	CB .09		CB					"				
			060	CC .06		CC					"				
Floor	112.14		220	CA .22		floor	CA				"				
↑	112.14	112.30	160	grsh .16		↓	gr sh, c lami at btm				"				
Roof	112.30	112.53	230	CA .23			CA, sh lami at Top				"				
Floor	112.53	113.03	500	grsh .50			gr sh, c lami rare				"				
			210	grsh .75			gr sh,				semi sd				
			540		Box 49										
			540			Same as above				sd					
↓	113.96		180	SSH .18		dk ssh:				"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 51



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	115.36		100	↑	212	Same as above									
			830	ms .83		ms n fs, #									
			1210			fs n ms, #									
	117.73		230	250	221	fs n ms; weak sh lami none "									
						— 385' (117.65) —					327 305			+22 -20	
			1.090	1180		fs n ms, #									
18			730	780		fs 5.41	fs n ms; #, weak lami at bot								
			1.13	1160	221										
						fs n ms, #									
						— 396' (120.70) —					312 305			+7 -6	
			1.02	1250		Same as above:									
↓	12170				221										

DRILL CORE LOG

221  
(-68)



HOLE No. \_\_\_\_\_  
PAGE No. 53



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d, o, b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
13	171.70		700 720		Box 54 211	f n m s. #										
			740 760			Same as above			crack (62°)							
			560 570			Same as above				sd.						
						4.6' (123.75)					310 305				ts	
			150			fs 3.85	Same as above									
			650 670				f n m s. #				sd					
			1040 1070				Same as above									
7			100			fs 1.10	fs									
			090		crsh .09	crsh										
(19)	12591		110 180			fs										
					Box 55 197											





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
14	131.06		060	fs .21	Box 58 212	fms				sd						
↑			430 460	vfs .43		vfs ~ fs		sh	lami	none	"					
15			140	fs .14		fs										
↓			200 270	vfs .20		vfs ~ fs		sh	weak	lami	none	"				
↑			890	fs .89	Box 59 188	fs		Crab	band	x 2	"					
16			310 <del>320</del> 2	vfs 1.18		vfs, #					"					
			170	vfs 1.18		vfs, #					"					
			700 720	vfs 1.18		vfs ~ fs, #					"					
↓			580 600	fs .58		fs		sh	minaj.	lami	x 2					
	13454															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
15	134.54		410 <del>420</del>	grsh .91	Bar60 213	gr sh.	ufs	fs x lani		sd					
			150	sslv .22		ssh ~ ufs					br				
			070			ssh						sd			
			250 <del>260</del>	vfs .25		ufs, dk, br at bit 5cm.									
			----- 443' (135.03) -----								240 214			+26	
			350 <del>370</del>	sslv .61		ssh, #, muddy					sd				
			260 <del>270</del>			same as above						"			
			170	vfs .17		ufs, #, muddy					"				
			100 <del>120</del>	sslv .70		ssh, #, muddy					"				
			140 <del>200</del>	vfs .19		ufs, #, "					"				
	137.82		130 <del>150</del>		ssh, " "					"					
					Bar61										

221

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 58

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	137.82		520 <del>540</del>	ssh 2.16		ssh, #, muddy				sd					
(15)						————— 453' (138.07) —————					<del>304</del> 304				
			910 <del>930</del>			Same as above				"					
	139.25		120 <del>140</del>	vfs 1.42		vfs, calc. film				"					
					Box 21										
			140.67	700 <del>720</del>	211	vfs, #				sd					
9.			180 <del>190</del>	ssh .18		ssh, dk gr.				"					
			090	crsh .09		crsh				"					
			550 <del>570</del>			ssh, dk gr, #				"					
				ssh .60		————— 463.5' (141.27) —————					<del>324</del> 320			+4	
			050			Same as above				"					
(21)	141.76		220 <del>230</del>	crsh .23		crsh.				"					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	141.76		010		218 Box 63	ml				sd					
21			020	ssw .02		ssh					"				
			220 <del>230</del>			crsh, sh & ml lami at top 7cm,					"				
			180 <del>190</del>	crsw .53		crsh, ssh lami x 3,					sd				
↓			130			crsh,					"				
18			070	ssw .07		ssh, sh lami					"				
			210 <del>220</del>	crsw .21		crsh, #					"				
↓			040	ssw .04		ssh									
↑			060	grsw .06		gn sh, sh lami									
(17)			140 <del>200</del>	crsw .52		crsh, sh, ssh lami,									
↓	14322		330 <del>250</del>			crsh, #									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
17	143.22		890 920			gr sh.	med band,	ssh lam.		sd					
					Bar 64 200										
				grsh .99											
			100				Same as above				"				
				ssh .08			ssh	ssh lam.			"				
			140 150				Crsh	ssh lam	riams.						
				crsh .19											
							————— 473.5 (144.32) —————					305 305			⊙
18			050				Same as above				"				
			020	grsh .02			gr sh.				"				
			170 180	ssh .17			ssh				"				
			330 340	crsh .33		Crsh	ssh			"					
			510 520	grsh .51		gr sh.	ssh band,	lam.		"					
			070	crsh .07		Crsh				"					
			250 270	grsh .25		gr sh.	ssh lam	riams		"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 61



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	145.83		100	ssh .10		ssh.	sh irreg. lens.			sd					
(18)			040	crsh .04		crsh.					"				
↓			070	ssh .07		ssh					"				
					Bar 65										
↑					211										
			080	ufs .08		ufs	sh band none								
17			080	crsh .08		crsh									
			120	ssh .12		ssh									
			140	crsh .14		crsh.	ssh band x 2								
			100	ssh .10		ssh									
			150	crsh .15		crsh.									
			120			ssh									
			170	ssh .45		ssh.	ssh band x 1								
↓	147.00														

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
17	147.00		160 <del>170</del>	}	Box 661 203	ssh.										
			110			crsw .11	crsh.	ssh	irreg.	lami						
			180 <del>190</del>	}		ssh.	sh	irreg.	lami	varie						
			120			ssw .63	ssh									
			350 <del>360</del>	}		ssh.	sh	irreg.	lami							
			110			vfs .11	vfs									
			070	ssw .07		ssh.	sh	lami.	varie							
	16			470 <del>490</del>		vfs S.47	vfs.	crsh	band	x 3						
				120		crsw .12	crsh.	ssh	lami							
				130		vfs S.13	vfs				sd.					
		14885	050	grsw .05	gr.sh				"							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS										
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.											
16	148.85		210 <del>220</del>	} ufs .58		ufs.	sh	band n.l.	.	sd															
			370 <del>370</del>																						
						— 49° (149.05) —																			
			230	} grsh .03		gr sh	.	.	.	"															
			280 290																						
14			290	} ufs .37		ufs	.	.	.	"															
			090																						
			100	} ssh .10		ssh	.	.	.	"															
			030																						
			090	} dkgrsh .03		dk gr sh.	.	.	.	"															
(15)				} dkgrsh .24	Bore 67																				
			150																						
			150.43	} ssh .23		ssh ~ ufs	.	.	.																
			230 <del>250</del>																						

DRILL CORE LOG



HOLE No. QHD 87004

PAGE No. 64

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	150.43		020	2 dkgrsh 3 .02		dk gr sh										
↑			220 240	2 vfs 3 .22		vfs, sh blue, band.										
15			070	2 dkgrsh 3 .07		dk gr sh										
↑			100	} fs .29		fs. w/ pobbles.										
			190 200				fs.									
↓	15110		070		3 cgl 107		cgl.									
						————— 496 (151.18) —————					173 183			-10	+B 7109	
						F of H									-124	

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87005**





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	8.72		050	ssw .05		ssh blur										
			030			vfs blur										
							BOX 2									
28			480	vfs .67		vfs w/sh cur lami										
			160			MR - 31 = 9.45					191 122					- #1
			240	fs .24		same as above										
			160	vfs .16		fs										
↓						vfs blur										
↑			110	cs .16												
			130	crsh .13		crsh w/sh lami										
			280	fs .28		crsh ~ grsh w/ssh lami										
						ts w/cross lami weakly										
37	10.61		200			vfs blur w/sh irr lami										



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	10.61		130	vfs .33											
37			120	crsh .12											
			040	sh .04											
			060	ssh .08											
			400	fs .48											
38			080												
			110	vfs .11											
			200	ssh .20											
			200												
				fs .23											
	12.00		030												
↓															

vfs w/sh cross lamina

Box 3:

crsh // vfs

36 = 10.97

158  
152

+6

sh /// vfs

ssh /// sh

SOLID

fs w/ wavy lamina

same as above

vfs w/sh lamina

ssh to vfs #

SOLID

fs w/dk lamina very rare

fs rust

br.

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑ 38 ↓ 35 ↓	12.00		150	crsh .15													
			090	sh .09													
				290	grsh .29												
				060	fs .56												
				500													
				130	grsh .13												
				090	sh .09												
				010	grsh .01												
				050	crsh .11												
	13.43		060														

crsh w/ssh lamini

sh |||| vfs

41 = 12.5

138  
153

-15

grsh w/ssh lamini rare

fs w/sh weakly lamini

Box 4

fs w/weakly lamini

grsh w/ssh lamini very rare

sh |||| vfs

grsh

solid

crsh → ssh

crsh w/vfs lamini

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	13.43		180	} grsh .38											
(35)			200												
↓					- 46 = 14.07 -					157 152					+5
↑			060	} sh .06											
			070												
			100	} grsh .17											
34			040												
			040	} crsh .04											
			330												
			330	} vfs .33											
↓			090												
↑			090	} grsh .25											
	14.66		1100												
32	14.15		490	} grsh .81											
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	15.15		170	↑		grsh (rusty)				br.					
			200	↑		grsh (rusty)				br.					
						— 51 = 15.54 —					$\frac{148}{152}$			-4	
						Fault ?									
Roof	32/15.47		070	↑		CB									
			010	↑		dkgrsh									
			005	↑											
						Fault (34)									
			020	↑		CC									
			090	↑		CB									
			100	↑		(CB) ~ CA				SL SOLID					
			080	↑		CB ~ CA									
			050	↑		CB									
↓	15.89			↓											



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	16.61		030	} CC .09	1711 MC	CC				SOLID					
			060			CC									
			120	} CB .12		CB									
			030			CA				br					
(32)			020	} CB .02		CB				SOLID					
			080			} MC .08	MC								
			070	} CB .14			CB (like powder)								
			070			CB ~ CA				SOLID					
↓															
↑															
			030	} CA .37		ACA				SL. SOLID					
(30)			080		CA										
	17.46		260		CA ~ CB				SOLID						

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑					114											
	17.46		040	<sup>CB</sup> .04		CB										
			080			CA										
			030	<sup>CA</sup> .18		CA			powder - br							
			070			CA w/ dull CB										
			110	<sup>CB</sup> .11		CB (hard) w/ vit laminae rare										
			150			CA - CB										
			130	<sup>CA</sup> .33		CA - (CB)										
						Box T										
30			050			CA - B w/ vit laminae										
			050	<sup>CB</sup> .05		CB										
			190			CA										
	1840		040	<sup>CA</sup> .23		CA										
↓																

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 9

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	18.40	18.44	0.04	dksh .04	MC	dksh (scaly)				Solid					
			0.50	CB .05		CB (scaly)									
			(0.50)	MC .05		— bit = 18.59 —————					140 15.2		-12		
			0.30	CA .03		CA → CB									
			0.20	CD .02		CD					SOLID				
Floor 27	18.63		0.04	CC .04		CC w/ pyrite									
			0.60	dkgrsh .06		dkgrsh				Solid					
			1.30	grsh .13	grsh										
	18.82	18.83	0.01	CA .01	CA										
			1.20	dkgrsh .12		dkgrsh w/c lami									
			0.20	grsh .04		grsh w/c lami				br					
27	18.99		0.20	grsh .04		grsh									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	18.99		400	} ssh .71		ssh blue w/ths bed weakly lami									
			310			ssh #									
27			200	} vfs .38		vfs w/sh lami									
			180			vfs									
						BOX 8									
↓						lele = 2012					142 143			-1	
↑			160	} fs .16		fs w/sh lami very rare									
			490			vfs ~ fs very rare									
29			400	} vfs 1.10		same as above									
			210			vfs									
↓						solid									
↑			050	} sw .05		sh    vfs									
27	2151		120		} vfs .12		vfs #								



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QHD 87005

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 9									
↑	21.95		100	3.10 ssw			ssh								
			150				grsh w/ dk grsh in lower part				SD				
			140				mid sh lenses plants (G. INCO)								
			260			SD	grsh			same as					
			490				grsh w/ dk sh stringers in middle part								
34			200				plants (G. INCO)								
			400				grsh w/ mid lenses, crumble								
			360				PI				SD	158 152		+ 6	
			2.63				76 = 23.16								
							same as abv, crumbly								
			400				same as abv				SD				
			360				grsh, crumble								
			460				same as abv								
			2465	140			grsh w/ sh lenses (G. INCO)				SD				
↓							81 24.69					158 153		+ 3	

DRILL CORE LOG

Quintette Coal Limited

(Wednesday) 22 July

HOLE No. 87005  
PAGE No. 10



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	26.77		060	vfs .54				vfs w/ sh stringers	SD						
			330					vfs w/ faint sh stringers rusty							
			050	fs .05				fs	SD						
31			260	vfs .26				vfs to fs w/ sh lami							
↓			040	or sh .04				crsh							
		2711	200	vfs .48				vfs to fs w/ ml lenses, sh irr. lami rare							
			280					- 91 = 27.24 <sup>74</sup>							+ 1
			190					vfs to ssh w/ sh lami							
			040	fs .23				fs w/ sh lami very rare							
			040					BOX 12							
			160	vfs .16				same as abv							
30			2889	510				vfs to ssh w/ ml lenses, sh irr. lami	SD						
								fs w/ sh bed (10cm) x 3, lami very rare rusty							

± 6  
1  
7

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	28.89		470	fs 1.29		same as abv					SD	165 152		+13	
			230			fs #									
(30)			080	vfs 1.05		same as abv					SD				
			050			vfs // sh									
			450			fs w/ sh lami very rare ms. had 10m x 1.									
↓			140	grsh .24	220	grsh w/ sch lami									
↑			100			Box 13									
			100	sh .10		same as abv					SD				
			300			mly sh									
33			300	grsh .47		grsh w/ ssh lami, ml bed x 1					SD				
			170			101 = 30.78									
↓			170	670		same as abv					145 152		-7		
↑			160			grsh w/ ssh lami (2m x 2m inflections?) very rare, crumble									
32			470	grsh .63	680	grsh w/ mly sh lensa, crumble									
↓	3161		500												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(32)	31.61		060	crsh .06		crsh				br					
↑			020	CA .02		CA-SA				br					
			070	CB .15	17	CB w/ vit lam				} sp	} C1				
			080		23	CB									
			030	CA .03	26	SA									
			050	CB .05	27	scaly CB sec w/ csh				} sp					
			040	CA .04	3	CA w/ csh lam x 3									
27			100	grsh .10	11	gr sh				} sp					
↑			220		67	ssh w/ vit									
			050	ssh 34		Box 14									
						same as abe									
						— 106 = 32.31 —		1.03			157 153				+4
			070			dk ssh				SD					
30			3253	grsh .13		grsh w/ c strips				SD					
↓															

DRILL CORE LOG

72  
67  
68  
67



HOLE No. \_\_\_\_\_  
PAGE No. 15

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	32.53		090			slig dk grsh w/c stringers					Some SD				
			240			same as abv					SD				
			270			dk grsh w/c stringers					SD				
			390			same as abv									
			180	grsh .18		grsh w/c stringers					br				
			090	MR .09		MR - 111 = 33.83 -					137 152				-15
			040	grsh .04		grsh									
			050	CA .05		CA-SA (C lense)					br	C2?			
			220	dkgrsh 122		dk grsh w/ big c lenses <sup>20mm x 10mm</sup> x 4									
30						BOX 15									
↑			280	dkgrsh #6		dk grsh w/ c lami					SD				
34			180			dk grsh w/ c lami									
↓		3459	030	CA .03		CA c lami									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
34	34.59		040	dkgrsh .64		dk grsh											
			040	CA .04		⊙ SA ~ CA w/sh lami x1 (c-lina)											
			080			dk gr sh w/c lami zone											
			120	dkgrsh .54		slig dkgrsh w/ c lami zone											
			070			same as abv											
			270			same as abv											
		050	grsh .05	grsh w/ big c lens (20m)													
		210	dkgrsh .21	-116 = 35.36 - dkgrsh w/c lami							147 153				-6		
33			030	CA .03		CA											
			160	cc .20	2 1/2 (CB w/c sh lami) cc												
			040		scaly cc (CB/grsh)												
28		35.99	grsh .13	grsh													









B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	45.85		040	crsh .04					crsh w/ fs irve						
			150						fs w/ brown scatt <sup>r</sup> n <sup>r</sup> ve						
30 ↑			150						fs w/ sh, dk lam <sup>i</sup> , tuffaceous?						
			140						fs #						
			030	fs .05					fs (tuffite)						
			220						f w/ sh bed x 2						
			060		310				n <sup>r</sup> ve fs (tuffite)						
			100		41				fs						
30 ↓			340	vfs .44					crsh v <sup>r</sup> v <sup>r</sup> fs w/ sh ~ dk lam <sup>i</sup> (tuffite)						
			100						same as abv						
			140	fs .14					slg tuffaceous fs n <sup>r</sup> ve						
↓									156 = 47.55						
(31)	47.80		080	ssh .08					ssh w/ sh lam <sup>i</sup> or ssh     sh						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	47.40		300	fs .30		fs	#	± F 27.6							
			210	crsh .21	BOX 22	crsh w/ vts ~ sh lamina // slaty crumbly (sp)									
31			490	}		vts w/ dk stringers rare					}	SD			
			100			vts w/ sh wire lamina rare									
			120		vfs 1.14		vts w/ sh lamina //								
			350	}		vts to fs # crsh					}	SD			
			130			- 161 = 49.07 - same as abv						}	169 152	+8	
↓			280		fs .52		fs #								
28			240	}		fs w/ dk lamina //									
			130		vfs .13		vts #								
↓	4980		100	crsh .10		crsh // sh w/ sand dikes									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 23									
	49.80		150	ssw .15		tuff sh w/ wackelig laminae									
(28)		50.5	550	vfs .55		vfs w/ dk laminae & stringer very rare 25 ft thick sh w/ upper part (150)									
						50.59 = 166 -					158 152				+6
			130	crsh .13		crsh blue sh									
			100	vfs .45		vfs									
			350			blue vtz									
			140			blue vtz									
			150	fs .29		same as abv w/ only sh <sup>irr. laminae</sup> lens									
29			100			vfs w/ sh laminae									
			200	vfs .46		dk vtz, blue									
			160			vts w/ irr laminae & md lense									
(30)	51.91		080			sh // vtz, tuffaceous crumble					141 153				-12

171 = 52.12



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 24									
↑	57.91		030	sb .11		crumbly sh // ssh (tuffaceous)				br					
			300	vfs .45		ufs ~ fs #									
			150			ufs w/ sh lam.					SD				
30			200			fs F									
			730	fs 1.15		fs #									
			220			fs w/ <sup>th</sup> pebbles in lower part									
			420			(97 管?) dk ufs ~ (ssh) #					SD				
			100	vfs .57		ufs									
						Box 25									
			050			tuff ufs -									
			570	fs 3.57		fs #					SD				
			5480	120		tuff ssh crumble									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	54.80		180	ssh .30		⊙	tuff ssh	crumble							
			380	crsh .38		181	(183?)	= 55.17 ✓		SD	301 205			+2	
			100	ssh .10				crsh w/ tuff ssh inv.							
			150					mly ssh							
			050	crsh .20				crsh							
			050					crsh ssh							
			050	ssh .23				ssh		SD					
(30)			180					⊙ tuff ssh crumble							
			320					v/s, Tuff <sup>ss</sup> accret							
								Box 26							
			450					v/s #							
			240	v/s 1.72				186 = 56.69			168 152			+16	
			240					v/s #							
↓	57.15		250					same as above							

DRILL CORE LOG

71  
25

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	57.15		460	↑	57 13	cc'v'v blue vts w/ sh faint irve.					SD						
			040			tuff ssh	crumbl.										
			090			ssh .13	same as abu	crumbl.									
			040			tuff crsh	crumbl.										
			440			crsh .54	crsh					SD					
			060			191 = 58.21	crsh					crumbl.	156 152				+4
			470			whity gr. sh	crumbl. (27)										
			280			grsh .87	gr sh, crumbl.										
			120			same as abu	crumbl.						SD				
			180			crsh .18	tuff crsh	crumbl.									
			400			vts .51	Lower part. is sand slt w/ vts										
	30 ↓	5978					vts w/ dk stringer in upper.										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
30	59.73	59.84	110												
			160												
			410												
				vfs .81											
			240												
			060	sh 3.06											
			090	vfs 3.09											
			210	sh 3.21											
			130												
30			140												
				vfs .60											
			6158	300											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	61.58		030	↑		ml									
			100	crsh .10		⊙ crsh w/ vts lense, sh-scatter				SD					
			070	sh .13		sh // vts									
			060			same as abv									
			300	vts .30		vts w/ rivier sh laminae very rare				SD					
			250	crsh .25		crsh w/ sh laminae, sh-scatter									
30			100			vts									
						BOX 29									
			170			vts				SD					
			060	vts 0.53		vts w/ faint laminae				br					
			050			vts w/ sh laminae									
			090			vts				SD					
						206 = 62.79					158 153				+5
↓		62.92	060			vts									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	62.92		160	grsh .16	64 42										
↓			320	vfs .48		ⓐ									
↓			160												
↑			040	crsh .04											
			720			ⓐ									
				vfs 1.02		BOX 30									
			120									146 152			-6
			180												
↑			270	crsh .27		ⓐ									
↓			140	vfs .14											
			130	dkgrsh .13											
			100	sh .32											
↓	65.48		220												

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	65.48		060	vfs .06		vfs w/ sh <sup>217-22</sup> lamini; ssh w/ 7"λ									
23						vire									
↑			260	fs .38		ifs w/ dk lamini, wavy									
						216 = 65.83									
			120			fs									
			200			⊙ vfs v/s w/ ml, sh bed rare, (vfs sh vire lamini 07-22)									
						Box 31									
			200	vfs .50		vfs w/ calcite vire									
			100			vfs w/ sil lamini									
↓						FAULT ———— 147									
23															
↑			320	fs .32		fs									
			150			⊙ vfs w/ sh faint lamini vire, 77"λ									
				vfs .28											
23			130			⊙ vfs w/ ml, sh lamini, 77"λ									
			100	ssh .10		ssh w/ ml lens									
			090	vfs .09		vfs									
						FAULT ————									
			67.97	grsh .06		grsh w/ ssh lamini vire									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
▲	67.27		090			① vfs w/ sh bed, <sup>ssh</sup> w/ sh				SD				+	
						— 221 = 67.36 —					156 153			+3	
			480	vfs .92		② vfs w/ and bed, sh faint irr. lami' <sup>ssh</sup> w/ sh				SD					
			260			vfs w/ sh lami' very rare									
			090			Box 32 vfs w/ sh lami irr. faint									
(23)			430	vfs .43	52	fs #				SD					
			160	vfs .16	680	vfs w/ sh lami									
			090	grsl .09		grsl w/ ssh									
			030	ssh .03		ssh w/ sh lam									
			090	vfs .09		— 226 = 68.88 — vts				SD	154 152			+2	
			120	ssh .12		ssh w/ sh lami'									
▼	69.37		260			vts									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 32



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	69.37		050	vfs .31											
			030	sh .03											
			400	vfs .40											
			100	grsh .10											
			050	vfs .05											
23			050												
			100	grsh .20		Box 33									
			050												
↓			160	vfs .16											
↑			140	grsh .14											
18			140	vfs .14											
↓	70.64														

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	70.64		600												
25 +															
			140												
			560												
			060												
			130												
			040												
			030												
			390												
			030												
30			260												
			72.98												
			100												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	72.98		150	↑		vts w/ sh laminae									
						73.15 = 240					119	122			-3
30			030	grsh .03		grsh									
25			620	vfs .66		vts (fs)									
↓			040			vts									
						remained SD									
33			220	vfs .22		Box 35									
27			050	vfs .05		vts w/ faint laminae									
			120	grsh .12		vts // sh									
						core switch									
			300			grsh									
↑						vts									
			100	vfs .64		JP @ 55" Semi SD					138	122			+16
						- 244 = 74.37									
(28)			240			vts									
						irr. sh // vts									
			210	grsh .21		grsh w/ ss sh laminae									
↓	75.13		070	↓		vts w/ incl. irr. laminae									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	75.13		090	↑ vfs .50				vfs // sh		SD					
			090					same as above							
28 ↓			250					vfs w/ m/cr. ss. laminae		SD					
↑			090	ssh .09				ssh // grs v							
			210	vfs .21				vfs w/ sh laminae very rare vrs							
			090	sh .07				sh // vts							
			120	vfs .12				249 = 75.89 vts w/ sh laminae		142 153				-1φ	
			030	grsk .03				grsk w/ ssh rice (1.7")							
			130					vts w/ sh stringer very rare							
23 ↓			060	vfs .19				vts w/ ind pebbles							
↑			250					vts #							
28	7706		540	↓				vts w/ sh faint laminae		SD					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
28 ↓ ↑	77.06		060	↑ vfs 1.57		vfs				Some SD					
			340		vfs #										
					— 254 = 77.34 —							153 152			+1
			330			some as abv									
						Box 36									
			420			vfs #									
			220		vfs 83	vfs w/ sh/faint lamini, irve									
			050			same as above					br				
			140			vfs w/ faint lamini						SD			
			050		sh // vfs 3.05							SD			
		410		vfs w/ faint lamini						SD					
		100	vfs .59	— 259.3 = 79.04 —							162 162		<del>162</del> 0		
				some as above					core switch	SD					
V.	7926		080			ml of sh blue vfs				SD					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	79.26		066				grsh										
							grsh										
			140				grsh w/ ssh irr. lam. & band geom.										
28			360				(ssh) - the v/s w/ sh lam. in middle & lower										
↑																	
			110				BOX 38 (MISS. NO. ) #37 1230										
			100				ssh w/ sh-pobble & band lens										
							v/s w/ sh										
↓		80.26	230				grsh w/ v/s band										
28			170				ms - cross w/ dk grsh lam. x1										
			110				pooble cgl										
			060				pooble cgl										
			060														
			050				same as abv,										
		80.71					rice cgl										
Roof	80.71		110				CA										
↓		80.89	070				CB										

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	80.89		020		No Sample					CA	SD					
			120	CA .25							CA	SD				
			110								CA	SD				
			050	CC .05							CC	powery				
	8119		060	dksh .06						Sandy dk sh	br.					
	8131	8131	060	MR .06						MR						
	8131	8145	140	MC .14						MC						
			210	grsh .21	52 16					grsh	crumbly					
			260	crsh .26							crsh		SD			
			100								blwssh					
				ssh .13												
			030							Box 39						
	8205									same as above						
			210	ufs .21						ufs w/ sh faint laminae						
										270 = 82.29						
	8255		290	ssw .29						blwssh w/ clams						

146 / 167

-21





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
29	84.74		020	CA .02		CA lens										
			510	dkgrsh 1:17		dkgrsh w/ a stringers									SD	
			060			same as abv										SD
			600	crsh .05		281 = 85.64									156 167	-11
			050			slig. dk grsh ~ grsh w/ pl. frags									SD	
30			720	ssw 95	BOX 41	ssw (fts) w/ sh faint laminae, conc laminae					SD					
			230			same as abv									SD	
				ufs .65		- 286 = 87.17 -					160 153	+7				
			420			ufs w/ sh faint laminae & conc laminae					SD					
			230	ufs (fts) w/ dk faint laminae w/ c laminae					SD							
30	8803	450			fs w/ dk faint laminae											
					BOX 42											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
30	88.03		240	fs ↑ .69											
↑			110	ufs ↑ .11											
			040												
23			320	fs ↑ 1.45											
↓			700												
			390												
↑			050	ufs ↑ .05											
			120												
21			140												
				fs ↑ .83											
			050												
			31												
	9071		520												
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
33 32	90.71		170	ufs .17		fs			ufs w/ dk <sup>cross</sup> lamin' or	SD					
30			600			fs			fs w/ dk <sup>cross</sup> lamin'	SD					
			080	fs .73					301 = 91.74 same as abv			148 152			-4
			050						same as abv						
			260			fs		#		SD					
			400	fs .66		fs			fs w/ dk cross lamin'						
									BOX 44						
			650			fs			fs w/ dk cross lamin'	SD					
27			110	fs .76											
									- 93.26 = 306 -			155 152		+3	
24			570	fs .57		fs			fs w/ dk cross lamin'	SD					
25	9385		250	ufs .25					ufs w/ shifant irr. lamin'						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
	93.85		490				grsh w/ plants			SD					
						Box 45									
			180				grsh			SD					
							- 311 = 94.79 -				149 153			-4	
			480				grsh w/ plants,			SD					
			510				grsh w/ plants, incl 1cm x 2			} SD					
			200	grsh 2.84			grsh								
			200				grsh w/ nodules x 1			SD					
			180				grsh			SD					
							- 316 = 96.31 -				151 152			+5	
28			280				grsh w/ nodules x 2 w/ plant			SD					
						Box 46									
			320				grsh								
	9710		410	dkgrsh 3.41			slig. dk grs w/ o stringed								



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	99.96		060	0.06		cli (dk sh / c lamin)									
Roof	100.02		050	0.05		dk sh w/ c lamin									
			040	0.04		(c6b) CA / dk sh									
	100.21		(100)		MR	MR									
			(110)		MC	MC - 331 = 100.88					89			(-64)	
			(080)		MR	MR									
	100.44		(040)		MC	MC									
			(210)		MR	MR hi ash coal									
			(090)		MR	MR									
			100			dk gr sh w/ c lamin									
			120			dk gr sh									
Roof	100.96		070	0.07		cc like boni									
						Box 48									
	101.03		030	0.03		CA									
			030	0.03		CB									
			040			SA									
			090			hard SA									
			040			CA w/ F									
SI	101.28	101.38	100	0.10		Boni' dk ~ c sh									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 46



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.		
28	↓ 102.57		0.50	dksh	↑		dk sh.									
			0.50	dkgrsh			dk grsh									
29			0.50	dksh .05			dk sh									
			4.10				grsh w/c laminae									
			1.20				grsh									
			0.50	grsh .88												
			0.30													
			0.60													
			2.10													
			0.40	MR .04			MR									
roof	↑ 103.64		0.10	cc 3.01	↑ Rad & E3		powdered cc									
(30)			0.50				VLCA									
	↓ 103.73		0.30				CA									

$$- 338.5 = 103.02 - 17$$

$$\frac{137}{152}$$

-15

BOX 49

grsh w/plant SD



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	103.73		080	CA .16	1145		CA									
			030	MC .03		MC										
			050	CA .05		CA ~ CC	mixed			pr powdery	1.0m					
			020	CC .02			CC									
			050	CB .05			CB									
			080				CA									
			080	CA .26			CA									
			100				CA									
(30)			050	CB .05			CB									
	104.35		050	dk sh .05			dk sh									
			090	CA .09			CA									
	104.45		040	CD .04		CD										
			020			sh										
			070	cs sh .09		cs sh										
			060	dk gr sh .06		dk gr sh										
	104.63		030	CC .03		Fine CC										

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION.					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
27 ↑	111.35		360	↑											
						Box 53									
			130	vfs .13											
			080	ssh .08											
			260	vfc .26											
			270	vfc .26											
			120	ssh .12											
29 ↑			090												
			340												
			350												
			310												
				vfs 1.70											
25 ↑			730												
			740												
						Box 54									
			114.00	230 240											

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 52

620



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 56									
(30)	117.73		700 710			ssh w/ sh faint cur. laminae									
			530			blw (ssh) w/ sh faint laminae									
			100			391 = 119.10									+4
						ssh									
			550 560			blw ssh w/ sh faint inv laminae, band									
			160			crsh									
						Box 57									
25			760			grsh w/ med laminae, sh band, band									
			050			crsh									
			630			396 = 120.69									+11
			610			grsh									
(23)			121.95			grsh									
			130			slig disp grsh									

DRILL CORE LOG



Quintette Coal Limited

HOLE No. QHD87005

PAGE No. 56 of 68

23th July

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 58									
	121.95		030			grsh			sl. SD						
						401 = 122.22					140 153				-13
			540			grsh			SD						
23			740		128	same as abv			SD						
			110 <del>30</del>	grsh LAG	139 12	same as abv			SD						
			070			grsh			br.						
		123.44													
			040	grsh .04		grsh			SD						
27			050	cc .05		cc - (CB)			SD						
Roof	123.48		280	CA .28		CA			SD						
			030	CB		BOX 59									
			030	CC		CB			SD						
			030	CA		CC									
			190	MC		CA									
Floor	124.09		080	CD		MC			SD						
			050	MR		CD - CB			SD						
			080			MR									
V	124.30		080			CD			br						

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 55

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑				↑ CD .14	216											
	124.30		060	} dksh .03 } csh .05		CD ~ csh					} SD					
			030			dk sh										
			050			csh										
			020	} cc .02		slime cc										
			060	} CD .09		CD					} sl, SD					
	124.55		030			CD										
roof (27)	124.55		220			CA										
			120			CA ~ (CB)										
			160			CA ~ (CB)					} SD					
			170		CA											
			200	} CA 1.00												
					- 411 = 125.27 -						144 153			-9		
			230		CA					SD						
V	125.55		230		(CA ~ CB)					SD						

Floor

# DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 56



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	125.55		040	dkgrsh .04	F	dk grsh	pl	csol	sl, sd						
			010	CA .01		CA				SD					
27		125.72	120	dkgrsh .12		dk grsh				SD					
Roof	125.72		080	CA .08		CA				SD					
			120	CB .12		FCB ~ CA w/ FCC lam									
			060	CA .06		CA									
			180	MC .18		- BOX 60 -	MC								
			030	CA .03		CA									
			070	CC .31		CC		pl							
			240			slime cc									
			080	MC .08	MISSING COAL (MC)										
			040	CB .04	416 = 126.79					120 153			- 33		
			070	CA .07	CB (2%)			csol	sl, sd						
↓	126.69		070	CA .07	CA ~ CB				scaly						
⊙	126.69	126.73	040	dksh .04	dk sh w/ c stringers										
		126.79	060	CC .06	cc		cc		sd						



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	129.73		100	grsh .10											
			100												
			540	ssw .73											
23			090												
			120												
				grsh .25											
			130												
			170	vts .17											
			050	ssw .14											
			090												
			070	grsh .07											
			130												
			060	crsh .19											
			140												
			140												
			170	grsh .26											
			180												
	1320.6		050												
↓															

206 cm  
in Box 62

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
23	132.06		26.0	26.0	23	ssh w/ sh lami					SD				
			130			grsh									
			290			grsh ~ (crsh)									
						grsh 59									
						- Box 63 -									
			170			grsh w/ big ml nodules, c-lens									
						436 = 132.89						SD	172 153		+19
			390			mlgy sh w/ c stringer									
			070			ml									
			050			sl. dk grsh									
		002		calcite											
27			210		27	grsh					SD				
			140			blw ssh									
			390			blw vfs w/ dk gr faint lami, irr									
			150			same as abv									
			040			gr sh									
29			150		29	- 134.41 <sup>m</sup> = 441 -					SD				
			060			vfs w/ dk grsh faint lami						144 152		-8	
			060			ssh w/ sh lami									
(24)	134.76		200			grsh									

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 30 60

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 64									
	134.76		150	} grsh .78		grsh w/									
26			430				grsh (crsh) w/c stringers								
↓			040	} ssh .04		blw ssh									
↑			090				blw vfs w/dk curv. lamini								
				} vfs .42		same as above									
			330				crsh to sh								
			090	} crsh .09		— 446 = 135.93 —									
			210				grsh w/ ml band								
			070	} sh .07		mly sh									
			320				grsh								
			220	} grsh .54		grsh w/crsh band									
23			130				dirty vfs								
				} vfs .65		BOX 65									
			520				blw vfs ~ <sup>to</sup> ssh w/dk curv. lamini								
↓			070	} crsh .07		crsh									
↑							451 = 137.46								
34	137.58		150	↓		ssh ~ vfs w/dk faint lamini									

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(34)	137.58		250	↑ ssh .40	35	ssh w/ sh lamina									
						) SD									
			310	grsh .45		grsh w/ c stringer & c lenses									
			140			grsh ~ crsh w/ c lenses									
			210	vfs .21		dirty vts w/ sh faint irr. lamina <sup>to band part</sup>									
			230	ssh .23		ssh to vts w/ sh irr. lamina									
36			180	grsh .10		grsh									
			060	ssh .06		dirty ssh									
						<del>Box 66</del>									
			150	vfs .20		dirty blue vts w/ sh faint irr. lamina									
			050		456 = 138.98					160 152			+B		
					same as abv										
			030	sh .03	blue sh										
			360		dirty blue vts w/ sh faint irr. lamina; cross lamina										
			740	vfs 1.61	same as abv					SD					
					same as abv (FSP + S)										
			14048	270											

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						461 = 140.51					145 153			-8	
(3b)			240	↑		same as abv.					SD				
↓			090	grsk 1.09		grsk w/ c lens									
						Box 67									
			680			dirty blue v/s w/ sh faint irr. cur. lami. SD									
			260	vfs 1.14		same as abv.					SD				
20			200			v/s w/ sh lami									
(3b)			090	ssh 1.09		ssh w/ sh lami					SD				
			030	crsk 1.03		466 = 142.03						156 157		+4	
			050			crsk									
						grsk									
			250			grsk w/ ml bands									
				grsk 1.46		3 br.									
						467 = 142.33					158 160		+3		
			300			grsk w/ ml lenses					SD				
		14773	060	↓		grsk w/ calcite films (calc. // grsk), films									
						Box 68									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
36	142.73		300	↑		grsh w/ mly sh lamina, calcite-filings									
			240			grsh									
			150			grsh w/ crsh band x 2, plants									
			080			same as abv									
			030			— 471 = 143.55 —					113			-9	
			030			same as abv									
			130	crsh .13		crsh									
			190	ssh .19		ssh w/ sh lamina									
			210			crsh to ssh w/ sh lamina									
			270			crsh w/ sh lamina									
(26)			340	crsh 1.19		crsh									
			100			crsh w/ ssh lamina									
						Box 69									
			270			hd crsh #									
						— 476 = 145.08 —					154			+1	
			145.44	400		hd ssh ~ (crsh) #									
				ssh .70											

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 64 / 99



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	145.44		300	↑		vts band ssh w/ sh faint lam.									
			150	vts .15		vts w/ sh faint lam.								SD	
			300	ssh .30		ssh ~ vts w/ sh faint lam.									
26			200	grsh .20		grsh w/ ssh irr. band									
			150	ssh .15		ssh ~ crsh w/ sh irr.								SD	
						481 = 146.60					150	152		-2	
			300			crsh ~ (ssh) w/ sh lam. var.									
				crsh .60		BOX 70									
			300			crsh ~ grsh									
			300	ssh .30		ssh (crsh) w/ sh bands								SD	
			130			hd crsh ~ ssh (洗 粉 石)									
			520			hd (洗) crsh ~ (ssh) w/ ssh irr. band var.									
						486 = 148.13					155	153		+2	
↓	148.17		080	↓		hd crsh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
26	148.17		740	} crsh 2.10											
					BOX 71										
			630	} crsh 1.05											
					hd crsh w/ ssh lami rare										
					hd crsh w/ ssh w/ lami rare										
					491 = 149.65							SD	145 152		-7
			710	} crsh 1.05											
30						crsh-(ssh) w/ sub w/ lami; slick									
			340	} fs .49											
						crsh ~ ssh w/ ssh irr. lami									
			360	} fs .49											
						fs w/ faint lami (trace)									
					BOX 72										
(27)			130	} crsh .06											
						fs									
					-496 = 151.17								154 152		+2
			060	} fs .31											
						hd crsh									
	151.45		310	} fs .31											
						fs w/ faint lami									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	151.45		080 +90	crsh .08		crsh w/ ssh irr lens					SD				
			110	ssh .11		ssh					SD				
			340	fs .34		fs w/ faint lami (f3)									
27			130	ssh .13		ssh w/ vts					SD				
			270	fs .45		fs w/ sh faint lami f3									
			180	fs .45		fs w/ sh irr band & lens					SD				
			050	crsh .05		crsh									
						50/ = 152.70									
			370	crsh .37		blw ssh crsh w/ vts irr lami, big lens					SD				
						BOX 73									
23			070	ssh .49		ssh w/ vts lami									
			420		700 490	ssh w/ crsh lami									
			140	vts .14		sl. dirty vts									
			100	ssh .10		ssh w/ crsh lami									
	15410		390	vts .39		vts w/ sh irr lami (4322)									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
23	154.10		040	} grsh .25		blm Crsh w/ sub lyr. lamini' } SD					153 152		+1		
			210			506 = 154.22 Crsh w/ sub lamini' } SD									
			030	} vfs .03		vfs w/ sh lamini'									
26			170	} vfs .79		(ssh) vfs w/ sh cur. lamini' } SD									
<del>34</del>			130			vfs w/ sh lamini'									
			120			vfs w/ sh cur. lamini'									
28			050	} fs .45		BOX 74 vfs w/ sh cross lamini' } SD					147 153		-6		
			390			(vfs) vfs w/ dk faint lamini' } SD									
			060			fs w/ sh cross lamini'									
			020	} grsh .02		511 = 155.75 grsh w/ sub lamini' } SD									
	155.74		120	} ↓		fs w/ dk faint lamini' } SD									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(28)	155.74		300	↑ +s .42											
↑			240												
			180	ms .95											
			530												
27	156.84		120												
↑															
				grsk .48											
24			360												
Roof.	✓ 157.47		100	MC .10											
	157.		070	cc .07	↑ roof										
			040	CB .04											
			090												
				cc .13											
	157.81		040												
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 69





B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	--To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	159.60	159.61	0/0	CA .01	floor ↓	CA									
Floor 24			120	crsh .32		crsh	dk								
↑			200	crsh ssh dk		crsh ssh	dk								
30			100	ssh 3.10		ssh	dk								
↓			150	crsh 3.15		crsh ssh	dk								
20															
						526 = 160, 3.2						152 153			-1
Roof.															
	160.18		050	CA crsh	Roof ↑	CA	crsh								
			050	CA		CA									
			020	CA	G <sub>1</sub>	CA									
			200	CA .44		CA									
			070	CA		CA ~ CB									
			050	CA	070	CA ~ CB									
			230	MC .23		MC									
			050	CA 3.05		CA	cr								
			040	CB 3.04		CB	cr								
	161.03		090	CA		CA									

DRILL CORE LOG

24  
310  
312

5110



HOLE No. \_\_\_\_\_  
PAGE No. 72 of 88



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 77									
(D)	161.03		050	.17	G										
		161.11	030		floor ↓										
		161.22	(110)	.11		MR									
		161.33	(110)	.11		missing coal				SD					
26			110	.11		grsh									
			220			ssh									
						531 = 161.84					103 152		-49		
			160	.50		ssh				SD					
		161.94	120			ssh w/ shilaw									
			100	.10		crsh				SD					
			480			grsh w/ plants & c lens				17"					
			470	.18		grsh				SD					
	✓ 16322		230			grsh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 78 163.37					156				
						536 = <del>164.09</del> 29					153				+3
	163.22		090	dkgrsh .09		dkgrsh w/c lami or clami (111) dkgrsh SD									
(28)			010	CA S.01		CA									
			080			dk sh w/c lami SD									
			060	dksh .16		same as abv. SD									
			020			dk sh. br SD									
			090	dkgrsh .09		dkgrsh									
			300	fs S.30		fs w/ dk faint lami SD									
			030	sh S.03		sh w/ sh lami									
27			080	crsh S.08		crsh w/ssh lami									
29			160	ufs S.16	4 3 2 4 1 5	ufs w/ dk faint lami									
			190	ssh S.19	4 30	ssh w/ sh lami									
(30)			080	grsh S.08		grsh									
	164.61		300			crsh w/ ssh lami, sh band c = scatt lower part									

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 74

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	164.61		070	crsk .87	SD	same as abv									
30			600			541 = 164.29					146 152			# -6	
						crsk w/ sh lamina; plants (abov ?)									
↓						Box 79 -									
↑			390	grsk .39		grsk w/ dk lamina									
28			040	ssk .04		ssh w/ dk lamina									
↓															
↑			330			grsk w/ ssh-bands, dk lamina									
25			250	grsk .72		grsk w/ dk lamina									
↓						546 = 166.41					161 152			+9	
↓			140			same as abv									
18			120	crsk .12		crsk w/ sh lamina									
↓			140	vfs .14		vfs w/ sh lamina									
↓															
(21)			050	ssk .05		ssh w/ sh lamina									
	166.83		090	dkgrsk .09		dk grsk w/ c lamina									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 25

B C N.	C.S.T		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
21	166.83		120	ssh .12		blu ssh w/ sh dk lamm'									
			330	grsh .33		grsh w/ midly sh, c-lamm'									SD
			120	dkgrsh .12		dk grsh w/c-lamm'									
			030	grsh .03		grsh									
29						BOX 80									
			050	dkgrsh .05		dk grsh									
			050	dksh .05		dk sh w/c lamm'									
			250	grsh .25		grsh w/c lens, calcite film in lower part								not fault	
			(150)	MR .16		MR-551 - 167.94					149			-4	
			120	dkgrsh .12		dk grsh w/ calcite film					153			" "	
			070	dksh .07		dk sh w/c lamm, calcite film									
		020	csk .02		csk w/c-lamm								br.		
		020	dksh .02		dk sh w/c-lamm'										
		100	grsh .10		grsh										
(21)			280	ssh .28		blu ssh w/ dkgrsh faint irr. lamm'									
	168.68		130	vfs .13		blu upz w/ dk irr. lamm'									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS								
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.									
						<del>fs w/ sh stringers rare</del>																	
	168.68		210		SD	fs w/ <sup>sh</sup> stringers rare																	
			180			same as abv and sh scatter in lower part																	
			280	grsk .28		grsk																	
			030	crsk .03		crsk																	
			070	fs .07		fs w/ fs																	
						- 556 = 169.46 -					151 152												
		169.52	070			ifs w/ sh lamini weakly																	
27																							
26			130		BOX 81	<del>ifs w/ sh lamini here</del>																	
			190	320	<del>sh w/ sish lamini</del>																		
27			100	420							<del>crsk w/ sh lamini</del>												
			220	640												<del>sish w/ sh lamini III</del>							
						<del>561 = 170.98</del>																	
			170			<del>same as abv</del>																	
			210			<del>fs #1</del>																	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
26			060			<del>ssh 1/1 sh vts fs fs vts w/ dk gray lami rare vts fs w/ sh lami very rare vts w/ dk lami, fs bands</del>											
			200														
			100														
			150														
			230		380												
			240		570												
			720		(E) ↓	BOX 87											
27																	

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 78 of 83

68 ✓

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
27						BOX 81									
	169.52		120	↑ vfs.		vts w/ dk lami, fs band x 1									
			210	.66		vts ~ fs w/ sh lami very rare									
		170.11	230			vts w/ dk grish lami rare									
			150			fs									
			100	fs .70		same as abv									
			200	2 vts 3.20		vts									
			060	ssh 3.06		ssh III sh									
26			210	fs 3.21		fs #									
			170			ssh w/ sh lami or III									
			220	ssh .39		- 561 = 170.88 -							150 152	-2	
			100	2 crsh 3.10	22	same as abv									
27			190	sh 3.19	51	crsh w/ ssh lami									
		171.59	130	2 vts 3.13	64	sh w/ ssh lami									
26						vts w/ sh lami rare									
						BOX 82									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
27						BOX 82									
	171.59		200	sh		sh	vtfs								
			110	.31		sh	ssh								
			110	.11		crsh	ssh lam								
			100	.10		ssh	w/ sh lam								
			080	.08		grsh	w/ ssh lam rare								
			120	.12		crsh									
			220			crsh	w/ ssh lam rare								
				.55						158	153		TS		
			280			crsh									
			050			crsh	w/ ssh lam								
			050	.05		ssh									
			070	.17		vtfs	w/ faint lam								
			100				same as abv								
28	173.72		640	.64		grsh	w/ ssh stringer rare,								
						BOX 83									
	175.50														



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
27						Box 83									
	173.72		290	crsk .29		grsk, compact									
						- 571 = 174.03 -						148 152			-4
28															
	174.39		380	grsk .38		grsk, compact									
43			510			grsk (fossil?) upper part									
			230	grsk P.11		same as abv									
			200			grsk w/ ssb dr rings									
			170			grsk				SD					
						- 576 = 175.56 -						148 153			-5
	175.50		040			ve CA									
			030	CA .13		same as abv									
			060			CA									
			050	CB .03		CB									
			030			CA									
			050			CA									
			030	CA .16		CA ~ CB									
						Box 84									
			070	070		CA ~ B									
			080	080		CB									
			050	050		CC									
			070	070		CA ~ B									

DRILL CORE LOG

Quintette Coal Limited

HOLE No. 87005

PAGE No. 81

July 11, '87



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	177.78		040	↑	8	CA										
			020	CD .02		Finest CD				SD						
			030	CC .03		cc.										
			050			CA										
				CA .15		Box 85										
			070			CA ~ CB (B) calcite film				SD						
			030			CA										
			030	CC .03		Finest CC										
			090			CA										
			040	CA .16		CA										
			030		CA powder											
			230	MC .23	MC missing											
			040	CA .04	CA				SD							
			040	CD .04	CD ~ CC											
			020	CB .02	CB											
					— 178.60 = 586 —					129 152				-23		
			060	CA .08	CA				SD							
			020		CA											
			020	CC .02	CC											
			060	CA .06	CA											
			020	CD .02	CD											
↓	178.75		030	↓		CA										

DRILL CORE LOG

Quintette Coal Limited

HOLE No. \_\_\_\_\_  
PAGE No. 82

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
↑	178.75		180	CA .24	110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000		CA											
				030		CB .07		CB ~ CA										
				070		CD .05		CD										
				050		CA .51		CA										
				380		CA .51		CA										
				130		CA .03		CA										
				030		CA .37		CA										
				270		CA .37		CA										
				100		MC .13		MC										
				130		CB .01		CB										
				010		CA		CA										
				070		CA .27		CA										
				440		CA .27		CA										
				020		CA		CA										
				180.40		040		CA										
FLOOR 36					060 floor ↓													
(34)	180.47	070	grsn .07		grsn													

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 84 88







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
30															
	185.06		370			dirty ssh w/ dk gr sh faint lam.									
						Box 88									
32			250			ssh w/ gr sh cur. lam.									
	185.78		100			bluish sh									
						-610 = 185.92-					151	152		-1	
						END									
						QHD 87005									
						July 01, '89									
						Tuesday									



**CONFIDENTIAL**

Quintette Coal Limited  
1987 Exploration Report  
Addendum II  
Volume II  
February, 1988

739

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87006**

QHD 87006

Transfer

B Seam	P. 2
C Seam	
D Seam	P. 27 ~ 29
E Seam	P. 36 ~ 39
F Seam	P. 46 ~ 51
G Seam	P. 59 ~ 61
J+K Seam	P. 69 ~ 78

Logged by H. Wada  
Aug 187

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					Box 1										
↑			12.88	12.88		No Recovery (Casing)									
			200	.20		crs w/ pebbles, broken remain									
						— 45' (13.72) —					45'				
38°			130	.13		vfs, sh lamina, pk stripes									
↑			270	.27		sh, ssh bands, broken (w)									
↓			090	.09		ssh (s)									
38			170	.17		sh, vfs bands (s)									
↓			240	.41		sh, vfs bands, broken, iron stain missing									
↑						— 48' (14.63) —					90/91				-1
			510	.51		sh, weak lamina, broken, iron stain									
32			200	.21	↑	sh, vfs band, broken									
					Box 2										
↓		15.00	410	.41		sh, broken					112/91				+21
						— 51' (15.54) —									





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						———— 56' (20.12) ————					56'	166/153			+13
↑	19.69		050	dkgrsh .05		dk gr sh, c lenses									
			020	grsh .32		gr sh, c lenses rare									
					Box 5										
			580			sh, ml sim thick. band at mid.									
(32)			070	sh 1.16		sh, ml band									
			210			sh, " "									
						———— 71' (21.54) ————					71'	153/152			+1
			(120)	MR .12		MR									
			220	grsh .22		gr sh, c lenses									
			000			sh, pt frag.									
					Box 6										
↓	22.11		220			" " "									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	22.11		050	sh 1.00		sh		sharid	soft						
			0			fault		small	60°N62°						
(32)			400			sh		calc. veins (mat work)	hid. sd.						
			220			crsh.		pt frag.	hid						
				crsh .38				76' (23.15.7)			144 152				-8
			160					Same as above	iron stain	semi sd					
	28		450	vfs .45		vfs.		ssh bands	bk lami	sd.					
			380	ssh .38		ssh		vfs blin	patch plant fragment	sd					
			060			vfs				"					
				vfs .24	Box 7										
			100			vfs.		sh lami.		"					
			2429	380		ssh.		vfs irregular bands.							

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 5



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						— 21' (24.49) —					21'	151/152			-2
(28)	24.29		140	ssh .42		ssh	ufs	blur.		sd.					
			180			ufs.	sh	irreg. bands		"					
29	230		180			ufs.	sh	lami		"					
					Bar 8										
			270	vfs 1.88		Same as above									
						— 26' (26.21) —					26'	157/158			+5
			450			ufs.	weak	lami		"					
			290	crsh .09		Crsh.	ufs.	irreg. lami		"					
			260			ufs.	sh	lami & band, iron stain along crack.		"					
				vfs 1.01		— 9' (27.74) —					9'	144/145			-13
			30			ufs.	sh	lami		sd					
			2773	320		fs	sh	small patches at bottom		"					

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					Box 9										
	27.73		fs 68	360		fs			weak blk lami; sh band at btm. sd. (2-1cm)						
				380		ufs			sh small patches none. "						
(30)				180		ufs			ti-4. very soft; weathered very soft						
			ufs 117	140		ufs									
									96' (29.26)		96	11/152			+2
				460		ufs			weak lami, sh patch none, sd						
				230		sh			ssh lami, ufs band						
				270		sh			ssh irreg. lami, ufs irreg band semi sd (turbidite?)						
			sh 98		Box 10										
				210		sh			weak lami						
				270					Same as above, ssh irreg lami sd						
	30.24														

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 7

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	30.74		110	MR											
34°			150	sh											
				sh											
		30.91	310	sh											
				gr sh											
			100	gr sh											
				gr sh											
		3150	290	gr sh											
Roof		3150	150	CA											
Floor.				MC											
		3185	040	Crsh											
				ufs.											
				ufs.											
		3215	260	ufs.											
				ufs.											
↓			150	ufs.											
34°				ssh.											
		3253	230	ssh.											
↓															

(12)

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	32.53		150			dk gr sh		pt fossils		sd					
			40			dk gr sh		C stringens		pt. f.	semi				
			250			dk gr sh		C lenses			bn.				
			(150)			MR		111" (23.23")			111'	98/154		(-54)	
			200			dk gr sh		C stringens			semi				
(34)	33.36	33.39	230			dk sh		C stringens			sd				
			120			dk gr sh		C stringens			"				
						dk gr sh		C stringens & lenses			"				
			(350)			MR									
			220			esh		C stringens			-bn.				
			230			dk sh		C stringens & lenses			sd				
↓	34.13		170			dk gr sh		C lenses			sd.				

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	34.13		100	dkgrsh .27		dk gr sh.		C stringers & lamae	sd						
			100	dksh .15		dk sh.		"	"						
		34.38	050	dk sh		dk sh.		"	bn						
Roof															
								115' (35.05')				115' <sup>75</sup> / <sub>12</sub>		-40	
Floor	3438	3456	180	MC .18		MC									
			060	dkgrsh .14		dk gr sh.		C stringers	sd						
		3470	020	dk gr sh.		dk gr sh.			bn.						
Roof															
	34.70		090	CC .09		CC ~ (CB)		pyrite film.	semi sd						
			040	CB .04		CB,		scaly.							
Floor		35.14	310	MC .31		MC									
			020	dkgrsh .02		dk gr sh.		iron stain	semi sd						
		3520	140	SSH .14		ssh.		sh vague lamae	sd.						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	35.30	35.49	190	119		ufs.	sh band at mid.			sd.					
34°		36.16	67°	67		fs.	sh lami x l. at top			"					
							120' (36.58)				120'	129/153			-24
					Box 13										
			720			fs.	#, bk vague lami none			sd					
			820			fs.	#, iron stain along cracks.			"					
							125' (38.10)				125'	154/152			+2
			510			fs.	vague dk lami at mid			sd					
					Box 14										
			412												
29'			1090			fs.	#, bk vague lami			sd					
							130.5 (39.78)					160/168			-8
			230			fs.	#, crack (80°)			sd					
			4028	750		fs.	#			"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 11

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Box 15											
30"	40.28		340	} fs .96												
			320													
			330	} sh .33												
			270													
						Box 16										
			170	} fs 1.23												
			290													
30"			300	} vfs 3.60												
			4374	} fs 3.34												

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 12

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	43.74		240	224	Box 17	ufs.	bk lami	fs band.		sd					
			130			fs	Tuffaceous				"				
									146' (44.50)			146'	160/152		+B
			280	104		fs	"				"				
32'			330				fs	lami.	bk lami		"				
			230	23		ufs.	sh lami				"				
			140	14		sh.	ssh lami				"				
			250			fs.	sh fine lami	none			"				
									151' (40.00)			151'	153/153		+I
			350		fs.	bk. lami									
				309											
↓	46.52		530		Box 18	fs.	tuffaceous	#							

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	46.52		690	↑		fs.	fuffacious	ff.	bk lami	num.	sd				
(32)						———— 156' (47.5') ————					156'	151' 152'		14	
			700			fs	"				"				
↓			570			"	"	lami	at top		"				
33'			170			vfs	bk. lami	fs band		ffs	"				
↑					Box 19						"				
			070			vfs	laminated				"				
						———— 161' (49.0') ————					161'	151' 152'		-1	
			100			same as above									
			400	vfs 1.6A		vfs	sh blue	lami			"				
			370				"			"	semi sd				
			530			vfs	bk lami			"	sd				
33'	1025		130	↓		sh	ssh lami				"				



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	51.75		490	sh .49		sh.	ssh	irreg.	lami & band.	sd					
			200	vfs .30		vfs	.	.	.	"					
			210			ssh	vfs	blun.	f/s	"					
				ssh .54	Box 21	.	.	.	.	.					
22°			230			ssh	vfs	blun & band.	.	"					
			120			vfs	#1	.	.	.					
				vfs 1.12		————— 176' (53.04) —————					152 152		+6		
			1000			vfs	#1	.	.	"					
			(110)	MR .11		missing R.									
			220	sh .22		sh.	ssh	lami	.	br					
			200	ssh .20		ssh	.	.	.	sd					
						————— 181' (55.17) —————					147 153		-11		
	11495		220	ssh .33		crsh	.	.	.	"					
↓					Box 22	.	.	.	.	.					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	54.95		110			crsh	tfs (3)			sd					
			230			vfs	weak lam			"					
			1000			vfs #				"					
						———— 186' (56.69) ————					186'	<del>156</del> 152		+4	
			090	vfs 1.95		Same as above				sd					
			120			tuff	sandy			"					
32°			510			vfs	tuffaceous			"					
					Box 23										
			330	crsl .33		crsh	ssh blk, irreg. lam			"					
			380			vfs	tfs, bk lam			"					
	5785		130	vfs .51		tf	sandy			"					
						———— 191' (58.22) ————					191'	<del>156</del> 153		+3	
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	57.85		280	crsh .28		crsh	ssh band.		sd						
		58.A2	290	ssh .29		ssh.	(7/8)		"						
			290			sh.			"						
					Box 24										
			230			sh			"						
							196' (69.74')			176'	149' (54)			-3	
(32)			260	sh 1.76		sh.			br						
			570			sh.	ssh irregular lamination		sd.						
			210			sh			fine sd						
			100	ssh .10		ssh.	7/8.		"						
			100	sh .10		sh			"						
						fault	?		"						
↓	6063		250	MR .25		missing R									

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	60.63		230	230 } crsw .23											
↕			390												
↕			566	SSW 95	Box 25										
↑			170	SSW .17											
↕			430												
↕			200	SSW .63											
↑			120	SSW .12											
40	6330		570	SSW .57											
					Box 26										

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 19

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
37	63.30		440	$\left. \begin{array}{l} sh \\ ssh \end{array} \right\} .44$		sh, ssh	irreg. lami. bands		sd						
			180	$\left. \begin{array}{l} ssh \\ ssh \end{array} \right\} .41$		ssh.	laminated		"						
			250					— 21° (64.2°) —			211	$\frac{140}{152}$		-3	
			140	$\left. \begin{array}{l} sh \\ ssh \end{array} \right\} .14$		ssh, sh	irreg. lami. bands.		"						
			130	$\left. \begin{array}{l} sh \\ ssh \end{array} \right\} .13$		ssh, sh	lami		"						
			130	$\left. \begin{array}{l} vfs \\ vfs \end{array} \right\} .18$		vfs,	laminated		"						
			250					— 213° (64.92°) —			213	$\frac{65}{61}$		+4	
			270	$\left. \begin{array}{l} ssh \\ ssh \end{array} \right\} .07$		ssh.	sh	bluer.	"						
			110	$\left. \begin{array}{l} sh \\ sh \end{array} \right\} .11$		sh.			"						
34			140	$\left. \begin{array}{l} ssh \\ ssh \end{array} \right\} .14$		ssh,	fine lami		"						
			170	$\left. \begin{array}{l} crsh \\ crsh \end{array} \right\} .17$		crsh.	sh	bluer, irreg lami	"						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	65.09		100			vfs.				"					
				vfs .47	Box 27										
			370			vfs. sh bands				sd					
			220	sh .22		sh. ssh band				"					
37°			240	vfs .24		vfs. laminated				"					
			120			sh bk				sd					
				sh .28		———— 218' (66.85) ————					218	159 152		+6	
			160			sh. ssh irreg lami				"					
			320			vfs. sh bands				"					
				vfs .47		———— 220' (67.06) ————								-13	
			150			vfs laminated				sd					
41	6697		200	ssh .20		ssh. sh irreg. lami				"					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	66.97		250			sh. ish blue				sd					
(41)				sh 20	Boundary										
↓			120			sh. ish vague band				sd					
38°			155	vfs .55		vfs, sh bands rare				"					
			170	sh .47		sh. ish irreg. bands				"					
			(100)	MR .10		MR — 20.5" (58.58) —					20.5 21.3			-8	
			170	sh .49		Same as above				"					
			190	vfs .19		vfs, sh irreg. bands				"					
			280	ssh .08		ssh, sh irreg. bands, sh spots in sh				"					
↓					Boundary										
36°			440	vfs .44		vfs, sh irreg. bands, lam.				"					
↓	69.65		160	sh .16		sh. vfs irreg. bands				"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 22

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	69.65		200			ufs, laminated									
↑						— 230.5 (70.26) —				230.5	164 168			-4	
			170			ufs, sh band at top, bk lami									
34°			250			ufs, laminated									
↑			170	sh .17		sh, ssh fine lami, ufs band at mid									
33°			160			ufs, bk lami									
			110	ufs .27		ufs, sh irreg. lami									
			120	sh .12		sh, ssh. lami at top									
			170			ufs, laminated									
					Box 30										
			380	ufs 1.47		ufs, sh irreg lami rare									
						— 235.5 (71.72) —				235.5	152 152			#1	
↓	7181		350			ufs, sh irreg bands & lami, c lams									

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
(33)	71.81		520													
			280	sh .08		sh.										
			400	vfs .40		vfs, bk lam.										
											240.5	140 153			-12	
						Box 31										
			150	sh .15		sh, vfs bands.										
			550			vfs, weak lam.										
			870	vfs 2.00		Same as above.										
			580													
					Box 32											
(36)	75.05		040	sh .04	sh.											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	75.05		260	vfs 0.06		vfs	laminated			sd					
			260	sh 0.06		sh	vfs <sup>irreg</sup> lami, pyrite patches			"					
			230	vfs 0.23		vfs	laminated			"					
			580	sh 0.58		sh	vfs irreg. lami, bands, patches			"					
						———— 251' (76.50') ————					251'	<del>153</del> 161		-12	
			140	vfs 0.14		vfs	laminated, mid band			"					
			070	sh 0.07		sh				"					
			740			vfs	sh irreg lami band			sd					
				vfs 1.08	Box 33										
36"			340			vfs	laminated			"					
			200	sh 0.20		sh	vfs lami			"					
	7757		120	vfs 0.63		vfs	sh irreg. lami			"					
↓						———— 256" (78.03') ————					256'	<del>161</del> 153		t8	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(36)	77.59		510	↑		vfs.	sh	irreg bands.		sd					
			160	↓ sw 1.16		sh.	sh	lami		"					
			550			vfs.	vs	lami, crack. (62°)		"					
					Bar 34										
			340			Same as above				sd.					
						———— 261' (79.55') ————					156 152			++	
			240	↑ vfs 1.77		Same as above				ml band at bottom	"				
			120			vfs.	sh.	irreg. lami		fr at top 6cm.					
			480			vfs.		laminated		sd					
			240			mand				"					
						vfs		laminated							
						———— 266' (81.08') ————					266' 153 153			⊙	
(29)	8068		650	↑ vfs 1.77											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Box 35											
	29°	80.68	120			Same as above				sd						
			380			sh. vfs bands (in 4 cm thick)					sd					
			180	sh .89		sh					"					
			330			sh. ms band (irreg.)					"					
			420			ms. sh lami at top					"					
				ms .78		— 27' (82.50) —					sd	143 152			-9	(-53)
		82.47	360			ms. sh patch					br. at bot sam.					
	33		100	ssh .10		ssh. laminated					sd					
			090	vfs .09		vfs. laminated					"					
			040	dkgrsh .04		dk gr sh					"					
					Box 36											
					x											
		83.08	380	cg .38	cg. pebbles											

Roof.

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d, o, b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
Roof	83.08		070		Roof	CA				sd						
			100		D	CA				"						
			100			CA					Semi sd					
			140			CA ~ CB					bn					
			(250)	MC .25		missing	C									
			040	CA .04	1137	CA				sd						
						———— 276' (041°) ————					276'	$\frac{142}{52}$		-10		
						missing										
			040	CC .04		CC ~ CD					Semi sd					
Floor	83.82															
	83.82		090	dkgrsh .09		dk gr sh				"						
						———— 277' (04.4°) ————					277'	$\frac{13}{31}$		-18		
			050	MR .05		missing										
	83.99		030	dksh .03		dk sh				dk						
Roof	84.24		(250)	MC .25		MC										

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
Floor ↑  ↓  36 ↓	84.24		010	CB .01	floor	CB				sd					
		84.30	050	CC .05		CC	slightly bony				"				
		84.30	080	dkgrsh .28		dk gr sh, C lami					"				
		84.97	390	grsh .39		gr sh, pt frag. C stringers					"				
						Box 37									
			200			gr sh, ssh vague lami none.					"				
				grsk .55		— ss (85.65) —						201	97/122		-25
			350			gr sh, ssh vague lami none					"				
		85.52		020		dksh .02	dk sh, C lams					"			
				110		dkgrsh .11	dk gr sh, C stringers					"			
			040	dksh .04	dk sh					"					
			070	dkgrsh .07	dk gr sh, C stringers										
			200	MR .20	MR										
	85.97		010	dksh .01	dk sh										



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	85.97	86.35	.38	{ dkgrsh .38		dk gr sh.	C lenses			sd					
			.16	{ dksh .16		dk sh.	C lami, C stringers			"					
			.02	{ dkgrsh .02		dk gr sh				"					
36"			.20	{ dksh .20		dk sh,	C stringers			"					
						— 286' (87.17) —					286'	<del>137</del> 152		-15	
			.06	{ dkgrsh .06		dk gr sh	C stringers			"					
			.02	{ dksh .02		dk sh				"					
			.05	{ crsh .05		ash	C lenses			br					
					Box 38										
			.11	{ dksh .11		dk sh.	C lenses & str.			st					
			.02	{ CA .02		CA.	fr.								
	87.21		.22	{ dkgrsh .22		dk gr sh.	C lenses			sd					

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 30

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	87.21	8731	200	dksh .10		dk sh			C lanes & str.						
		8749	180	dkgrsh .18		dk gr sh				C stringers					
	(36)		480	grsh .48		gr sh				plant frags					
	↑		160			ssh				"					
			720	ssh 1.37		ssh				plant frags rare					
		490		ssh				sh blur, wagne lam							
34	8979	450	crsh .45	crsh				ssh blur, wagne lam							
		600	sh .60	sh				ssh, blur, lam							
		480	ssh .48	ssh				ufa. bands							
(35)	9099	120		crsh				ssh blur, wagne lam							

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 31

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Box 40											
	35°	90.99	240	120	Box 40	Crsb.	ssh	vague	lami	sd						
			840				Crsb.	ssh	vague	lami	"					
			510	.51			ssh,	Crsb.	vague	lami	"					
	29°		130	.13			Crsb.	ssh	vague	lami	"					
			050				ssh,	sh.	lami		"					
				.16												
	27°		110				Same as above				sd					
			080	.08		Crsb.	ssh	vague	lami	"						
					Box 41											
		9355	600	.66		vfs,	sh	lami								

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 32

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
27	93.55		090	crsh 1.09	Box 42	crsh	ssh	vague lami		sd						
			150	ssh 1.15		ssh	sh	vague lami			"					
			560	vfs 1.56		vfs	sh	vague lami			"					
									311' (94.79)			311'	152/152			+7
			570	ssh 1.57		ssh	sh	fine lami			"					
			140			crsh	ssh	fine lami								
			800	crsh 1.31		crsh	ssh	fine lami			"					
										316' (96.32)		316'	151/153			-2
			370			crsh	ssh	fine & vague lami			"					
		230	ssh 1.23	ssh	sh	fine lami										
	9699		530	crsh 1.53	crsh	ssh	vague lami			"						
					Box 43											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(29)	96.99		270	SSH 3.27		ssh	sh fine & vague lens		sd						
			(190)	MR 3.19		MR	321' (97.84)			321'	140/152				-12
33°			700	crsh 3.70		crsh	sh fine & vague lens		"						
			270	sh 3.87		sh	ssh vague lens none, pt frag.		"						
							326' (99.36)			326'	151/152				+5
			230			gr sh	pt frag.		sd						
					Box 44										
			720				Same as above; c lens none		"						
34°			520	grsh 3.04		gr sh	pt frag. ssh vague lens none		"						
							331' (100.89)			331'	144/153				-6
	10132		230				Same as above. pt frag.		"						
					Box 45										

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 34

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
34	101.32		740			gr sh		pt frag	weak lami	sd					
											336'	151/152		+5	
			700			gr sh			weak lami	C lams					
33			734			gr sh		ssh fine	lami rare	C lams					
					Box 46										
			880			Same as above.									
											341'	151/153		-2	
			590			gr sh		weak lami	pt frag	C lams					
			950			gr sh		cash blin	C lami						
											346'	150/152		+2	
	105.28		170			Same as above.									
34	105.54		260			dk gr sh		clami	ml patch						
					Box 47										

DRILL CORE LOG



Quintette Coal Limited

2271

HOLE No. \_\_\_\_\_

PAGE No. 35

B C N.	UNIT		THICKNESS		SAMPLE NO:	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	105.54		0.90	dkgrsh .60		dk gr sh, lenses & lam.			sd						
			0.50			Same as above.			br						
	105.93		0.50	dksh .05		dk sh. c stringens, lenses.			sd						
						349' (Feb. 38)					349'	82/92		-10	
						Root missing									
	105.93		0.20	CA .02		CA			semi br						
			(4.20)	MR .92	E	MR									
			0.20	CC .02		CC			"						
			0.20	CB .02	1138	CB			"						
	106.46		0.50	CA .05		CA, H lam. & l			"						
	106.46		0.10	CSH .01		CSH			"						
34°			0.90	dksh .09		dk sh. c lam.			"						
	106.71		1.50	dkgrsh .15	1139	dkgrsh. c stringens			sd						

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	106.71		0.20	CA 0.07		CA				sd					
			0.50	CD 0.05		CD	hd			"					
			0.80	esh 0.08		esh	hd			"					
	106.89		0.30	dkgrsh 0.03		dkgrsh				"					
Roof	106.89		0.20	CA 0.23		CA				"					
			0.40	CB 0.04		CB	(CA + F band)			"					
			1.50	MC 0.15		MC				"					
			0.70	CC 0.07		CC (≈ CB)	hd			"					
Floor	107.40		0.20	CA 0.02		CA	F stringer			"					
Roof	107.40	107.48	0.80	grsh 0.08		grsh				"					
			0.10	CC 0.01		CC				"					
			0.60	CA 0.06		CA	hd			"					
			0.40	MC 0.04		MC	3.14' (107.90)				3.54'	105/152		-47	
	107.61		0.20	CB 0.02		CB									

DRILL CORE LOG







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	111.14		140	{dksh .14		dk sh.	c lami			sd					
			230	{dkgrsh .28		dk gr sh.	c lami			sd					
			250				Same as above				bn				
			320	{MR .32		MR									
	112.00		120	{dkgrsh .17		dk gr sh.	e lami			sd					
			260	{sh .26		sh.	c lami			"					
						370' (112.28)									
	320		320	{grsh .32		gr sh.	pt fossils.			"					
			390	{sh .47		sh.	ssh vague lami			"					
			280				Same as above				"				
			530	{crsh .63		crsh, sh, ssh, irreg. lami				"					
↓	113.85		170	{ssh .17		ssh, sh irreg. lami				"				+7	

artificially  
high  
could be  
as low as  
-14

138  
183

157  
152



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS				
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.					
↑	117.14		950	↑		crsh, sh. lam. (irreg.) sd													
			630			} crsh 2.24	crsh, sh irreg. lam, sh irreg. lam sd												
							— 290.5 (119.02) —												
							520			crsh sd									
							610			ssh, sh irreg. lam sd									
								} ssh 1.36	Box 53										
							750			Same as above "									
										— 285.5 (120.55) —									
							580	} Hs .58		vfs, sh irreg. lam, calc. v sd very small part at mid									
		780	} ssh .84	Box 54	ssh, sh irreg. vague band & lam "														
↓	121.52		060			Same as above													

R(12)

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 42

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	121.52		130	} sh .78		sh.	ssh patch			sd					
							401' (122.22')					155	167		-12
			550			sh.	ssh irreg. vague lam				sd				
			740	} crsk .74		crsh.	ssh patch & irreg lam				sd				
34°		140	} sh .27		sh.	ssh lam									
						406' (123.25')					153	153		⊙	
		180			sh										
		220			crsh.	irreg lam									
			} crsk .63	Box 55											
(36)		410				crsh.	ssh irreg. lam								
		060	} ssh .06		ssh										
		129.53	530		} sh .53	sh.	ssh irreg lam								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
A	124.53		190	} crsh .69		crsh. sh. irreg. lami. sd									
							411' (125.27)					154 152		+2	
			500	} ssh .30		crsh. sh. irreg. lami & band sd									
36			300				crsh. irreg. lami "								
			120	} crsh .74	Box 56	crsh. sh. irreg. band "									
			620				crsh. ssh irreg lami. sd								
						416' (126.80)					154 152		+1		
			340	} sh .34		sh. ssh irreg lami "									
			330	} crsh .33		crsh. sh irreg lami "									
			530	} ssh .53		ssh. sh irreg lami "									
	1276		180	} crsh .18		crsh. irreg. lami "									
					Box 57										





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
33	131.66		750	↑		Same as above									
						————— 436' (132.89) —————					1.49 1.85			+0.07	
			630			sh. weak lam									
			730			sh. ind band									
					Barb										
			110	sh 2.98		sh. ssb lam x 1									
			590			sh. ind sh bands									
			920			Same as above									
		135.39				dk gr sh c lens.									
			070												
				dkgrsh .35		————— 446' (135.94) —————					3.05 3.05			0	
			280			dk gr sh pt frag									
Roof.	135.74	135.77	030	crst .03	F Roof	ash									
					Barb										

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 46

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	135.77		0.20	0.02		CD				br					
			0.30	0.03		CA				br					
				0.07		MC									
			0.50	0.05		CC				sd					
			0.50	0.05		CB (CA)	vit limi			rr					
			0.60	0.06		CA				rr					
(35)			1.00			CB (CA)	vit limi			rr					
			0.80			CB	vit com band at bot								
	136.37		1.40	0.14		CD				rr					
						449' (136.85)					0.80 0.91			-0.07	
	136.37		1.00	0.10		dk gr sh	C. strimperi			sd					
			0.40	0.04		dk gr sch.	C. strimperi			rr					
			1.30	0.13		sch.				sem sd					
V	136.62		0.40	0.04		MR									

Floor

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
11	136.68		090	0.09		esh				sd					
		136.94	170	0.17		cd	bony			"					
Root	136.94		050	0.05		cc				"					
			010	0.01		dk sh	(F)			"					
			030			ca				"					
(35)			180			ca				sd					
			290			ca				"					
			380	1.02		ca				"					
			120			ca				sd					
V	138.07		050	0.05		cd	(Fusit)			"					

Barb2

454' (138.38)

147  
7.53

-D.OL

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	138.07		060	} CA .08		CA				Semi sd					
			020				CA				sd				
			020	} CB .02		CD	Fusit			"					
			020				CA				"				
			100	} CA .19		CA				"					
(35)			070				CA	F. lens			"				
	38.41		050	} CB .05		CB,	scaly								
			020				dk gr sh								
			050	} CB .05		CB									
			030				dk sh								
			030	} MR .03		MR									
	138.58		040				esh,	scaly							
			050	} CB .05		CB									
	138.63		050				CB	pulverized							

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	138.63		120	CA .13		CA				Semi sd.					
			020	CC .02		CC	F			sd					
			030	CA .31		CA				"					
			080	CA .31		CA		slightly scaly							
			460	MC .46		MC									
								459' (139.9°)			1.06 1.42			-0.46	
(35)			080	CB .18		CB				br.					
			100	CB .18		CB				semi sd					
			050	CA .07		CA				sd					
			020	CA .07		CA				scaly					
			010	CC .01		CC				sd					
			020	CA .02		CA				"					
			040	CB .04		CB				"					
↓	140.10		030	CA .23		CA				br					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	140.10		140	MC .14	Box 63	MC										
			040	CA .04		CA					br					
			030	CC .03		CC	Bony				sd					
			040	CB .04		CB					"					
			050	CC .05		CC	Bony				"					
		140.41	010	CB .01		CB					"					
	140.41		130	dkgrsh .54		dk gr sh.					sd					
			030			dk gr sh						br				
25°	140.96		080			dk gr sh.					sd					
			500	dkgrsh .50	dk gr sh.					sd						
	141.66		010	crsh .21	crsh.											

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 51

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
35	141.66	141.97	310	dkgrsh .31	Box 64	dk gr sh.	c lani			sd					
			150	ssh .15		sh					"				
			020	dkgrsh .02		dk gr sh					"				
			100	ssh .23		sh, c lani					b				
			130	ssh .13		sh, c lani					sd				
			130	crsh .13		crsh, pt frag.					sd				
		142.55	050	ssh .05		ssh, sh lani					"				
						469.5 (143.10)					1.60 1.67				-0.07
			130	crsh .13		crsh, ssh vague band					sd				
	44		420	ssh .42		ssh, sh fine lani, calc. at top					"				
		070	ssh .27	sh, vague lani, pt fossil					"						
37	143.47	100		dk gr sh, c stringers					"						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
42	70.35		0.80	0.08		grsh					SD					
			2.00			crsh w/ sh lamina										
				0.56		Box 33										
			2.60			# crsh ~ ssh										
			1.00			crsh // ssh										
			0.80			bluv ssh					SD	163				
						— 233.5 = 71.47 —						152				+11
			2.70	0.46		bluv ssh						↑ 43.1 (2)				
			1.10			same as abv										
46 P			3.50	0.35		vfs						SD				
			2.50		vfs w/ sh cross, cur. lamina											
				0.33	bluv ssh w/ vfs band containing crsh											
					cur. lamina											
			0.80		same as abv											
			2.60	0.26	bluv vfs w/ faint cur. lamina						SD					
51			1.30	0.13	crsh // ssh											
			1.50		bluv ssh w/ vts irr. lenses rare											
				0.40	239 = 72.8%						160					
					Box 34						168				-8	
			2.50		bluv ssh w/ crsh cur. lamina											
48	73.37		4.50	0.45	bluv vts ~ ssh w/ crsh lamina, vts lens.						SD					

Box 32 ~ Box 34

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87010

PAGE No. 22



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
33	145.82		410	ssw .41	Box 66	ssh	sh	lami	band	sd					
36			310	sh .31			sh	pt	frag.		"				
			420	crsh .42			crsh	weak	lami		"				
			080	sh .08			sh				"				
			400	crsh 1.30			crsh	sh	band		"				
			900				705' (142.03)					142 1.53			+D.09
							crsh	sh	lami	bands	sd				
						Box 67									
			140	sh .14		sh									
			250	crsh .25		crsh	sh	lami	ssh	lami	"				
34	149.25		320	ssw .32		ssh	sh	lami		"					





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						— 511' (155.25) —					1.49 1.52			-0.03	
↑	155.26		830			sh	ssh	blur	lami	name	sh				
(36)					Box 71										
			710	sh 182		sh	ssh	irreg	lami	name	"				
						— 516' (157.28) —					1.54 1.53		+0.01		
↓			280			sh					sh				
↑			270	vfs 3.07		vfs					"				
38			100	ssh 1.10		ssh	sh	blur			"				
			180	sh 1.18		sh	ssh	blur			"				
			280	vfs 3.28		vfs	sh	irreg	lami		"				
			360	crsh 3.36		crsh	ssh	irreg	lami	name	"				
	15823		160	ssh 1.16		ssh	sh	blur			"				
↓					Box 72										



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
35	161.34	161.71	370	SW .70		sh.	weak	lami		sd					
	161.71		070	CA .07	↑ roof	CA	(	CB)							
			120	CB .12	G	CB	vit.	lami							
			090	CC .11		CC									
			020		CC										
			170	CA .17		CA	(	CB)							
			100	CB .10		CB	vit	lami							
			030			CA									
				CA .16	Box 24/										
			130			CA									
			100	CB .10		CB			semi	sd					
			040			CA				br					
	162.64		060	CA .10		CA									

DRILL CORE LOG <sup>93</sup>



HOLE No. \_\_\_\_\_

PAGE No. 59

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, g, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	162.64		140	MC .14	G1+2	MC										
							536' (123.37')					130 150			-0.32	
	162.78		060	dksh .06			dk sh				sd					
		162.88	040	csh .04			csh				"					
			050	CA .05			CA				Semi sd					
			050	MC .05			MC									
(35)			020	cc .02			cc				br					
		163.02	020	CA .02			CA				sd					
	163.02		110	dkgrsh .11			dk gr sh				"					
		163.18	050	MR .05			MR									
	163.18		040				CA				br					
				CA .08												
			040				CA									
		163.81	550	MC .55		floor ↓	MC									
	163.81		020	dksh .02			dk sh				csh					
			050	MR .05		MR										
		163.93	050	dkgrsh .05		dk gr sh										
floor ↓	163.93	164.03	100	MC .10		MC										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
▲	164.03		280	sh } .38	63	sh.	pt frag.			sd.					
			290	ssh } .09		ssh					r				
							———— 54° (164.9°) ————								
	164.65		150	crsh } .15		crsh					"				
↑ Roof	164.65		220	CA } .02		CA					br				
			100	CB } .16		CB					sd				
			270			CA	flaky								
				CA } .43											
			150				Same as above.								
	165.77		570	MC } .57		MC									
	165.77	165.89	120	MR } .12	MR	———— 54° (166.12°) ————									
Floor	165.89	166.02	130	MC } .13	MC										
	166.02		220	dk grsh } .22	dk grsh.	c lens	calc vein			br					
	166.34		100	sh } .10	sh.	pt frag	c lens			sd					
▼	166.83		290	ssh } .49	ssh.	sh blue	pt frag			r					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 61



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	166.83		200	ssh .30		sh	pt frag.	c lens		sd					
			220	crsh .22		crsh	pt frag			"					
			250	ssh .05		ssh	"			"					
						———— 550.5 (167.79) ————					$\frac{1.33}{1.67}$				-0.29
			260	vfs .26		vfs				"					
			290	ssh .16		ssh				"					
					Box 76										
			270			ssh	pt frag			"					
			170	crsh .17		crsh	ragio lens			"					
36°			570	sh .57		sh	crsh lens	ssh lens		"					
	168.99		230	grsh .12		grsh	pt frag	c string		"					
↓						———— 256 (169.47) ————					$\frac{1.59}{1.58}$				-0.09

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
36	168.99		290	↑	36	same as above				sd					
			490	} sh		sh. ssh lam, band					"				
			210			.86	Same as above					"			
			160	} ssk		sh. c string.					"				
38			220			.27	ssh. sh blur. lam					"			
			110	} sh		sh. ssh blur.					"				
						.11	— 561' (170.99) —						1.48 1.53		
			670	} grsh		grish c lens					"				
			450			.55	sh weak lam, pt fossil. c stringers					"			
			160	} dkgrsh		dkgrish c stringers					"				
					.29						"				
	179.8		130	} dkgrsh	Same as above					"					
					.29						"				

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑						← 566' (170.52) →					1.51 1.63			-0.02	
	171.98		0.10	dksh .21		dk sh; c lanis, stringiers									
			0.50	dkgrsh MR .25		dk gr sh c stringiers									
			2.50	MR .25		MR									
			1.80	sh .52		sh pt fragi									
38			3.40	sh		sh, ssh vague lanis pt ferrid.									
↑			1.30	ssh .13		ssh sh lanis									
			1.90	crsh .19		crsh, ssh fini lanis									
			2.90	sh .29		sh weak lanis									
						← 571' (174.04) →					1.37 1.55			-0.10	
33			2.60	crsh .26		crsh ssh lanis, band									
↓	173.99		1.10	ssh .62		ssh sh vague lanis									
					2029										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(33)	173.99		510	↑		ssh.	sh vague lami			sd					
			710			vfs.	dk lami, sh fine lami			"					
							576 (175.56)								+0.07
			300				Same as above								
			110				ssh	sh lami							
			460				grsh.	ssh vague fine lami at app. half.							
								pt frag.							
			160				grsh.	c stringers, pt frag.							
			090				dkgrsh	c stringers							
			080				dksh	c lami, stringer							
			060				grsh	c stringer							
			170				crsh	pt frag.							
	17680		160				MR	581 (177.09)							-10





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	183.21		320			sh. ssh irreg. lami				sd					
			410			sh. ssh fine wavy lami					"				
			290			ssh wcm band at bot.									
						sh. weak lami				"					
37			180	sh 2.10		sh. ssh wavy lami at bot.				"					
						606' (184.71')						1.54 1.53			
			310			sh. ssh fine wavy lami, band.				sd					
↓			580			sh. weak lami									
↑			640	grsk .84		gr. sh. py lens and patch									
(36)						611 (186.23')						1.63 1.52			+0.01
			200			Same as above				Semi sd					
↓	186.18		030			sh 1.03	sh. shorbed					br			

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	187.48		060	CA 3.06		CA				br					
			070	CB 3.07		CB				sd					
	187.61		110	CC 3.11		CC		scaly		scaly					
			040	CD 3.04		CD				sd					
		187.82	060	CC 3.06		CC		scaly		scaly					
			010	CA 3.21		CA				sd					
(36)			070	CB 3.07		CB				"					
			280	CA 3.28		CA				"					
			050	CB 3.12		CB				"					
			070				CB								
			040	CA 3.24		CA									
		189.00	260	MC 3.26		MC									
						521' (189.22) ←					1.06 1.53			-0.26	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	189.00		070	CA 3.07		CA									
			020	CC 3.02		CC									
			040	CA .06		CA									
			020				CA								
			070	CB 3.07		CB									
			050	CA 3.05		CA									
(36)			040	CC 3.04		CC									
			100	CB 3.10		CB									
			100	CA .18		CA									
			080				CA								
			020	CD 3.02		CD									
			020			CA									
↓	189.73		100			CA									

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 71

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	189.73		070	CA .21					sd						
			020			CA		pulverized		br					
			100	CB .13					sd						
(36)			030			CB				semi sd					
			050		CA				"						
			070	CA .16					br						
			040			CA				sd					
			040	CD .04			F		"						
			090			CA				"					
			030	CB .03					semi sd						
(38)			040			CA		pulverized							
			070	CA .11											
	190.38					CA									

B G	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	190.38		0.90	CC .09		CC				sd					
			0.50	} CA .24		CA				"					
			0.20			CA			pulverized						
					Box 07										
						626' (190.80)									
(38)			1.20			CA				sd					
			0.40	CB .04		CB				semi sd					
			1.50	CA .15		CA				sd					
			0.20	CC .02		CC				"					
			0.50	} CB .28		CB				"					
			1.20			CB		banded			"				
	191.20		1.10			CB				"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 73



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
			030	0.03		CB				st					
			060	dkgrsh .13		dkgrsh, c stringen				scaly					
			070				coal & dkgrsh mixture				br				
			<del>080</del>			<del>MR</del>									
			100	CA .10		CA	pulverized								
			050	dkgrsh .05		dkgrsh				scaly					
(37)	19326	(060)		MR .06		MR									
	19326	120		CA .12		CA	pulverized								
			<del>130</del>			<del>MC</del>									
			(530)	MC .53		MC									
			180	CA .18		CA ~ CB				highly br					
			050	CB .05		CB									
	19416	020		dkgrsh .02		dkgrsh									

B C N.	UNIT		THICKNESS		SAMPLE NO. K1	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	194.16	194.26	100	CA 3.10	Floor	CA	F	lamin.		sd					
Floor F200			<del>100</del>												
57			200	grsh 3.20		gr sh		pt frag		sd					
			150	ssh 3.15		ssh		sh lamin, band		"					
			150	sh 3.15		sh		pt fossil		"					
			<del>100</del>			MR									
			(120)	MR 3.12		MR		641 (195.38)			0.55 1.53			-0.00	
			150			gr sh		"		"					
				grsh .45	Box 89										
36			300			gr sh		weak lamin, pt fossil		"					
	195.39		060	fs 3.06		fs		c lens		"					
Root	195.39		(100)		roof K2	CA				semi sd					
											0.60 0.61			-0.01	
			140	CA .73		CA		lid		sd					
	195.95		320			CA ~ B				sd					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 76

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
		195.95		170	K2 Floor ↓	CA				sd					
			100	CB .10		CB					"				
			150	CA .19		CA				same br					
			090			CA					br				
		196.41		060		dkgrsh .06	dkgrsh				br				
			196.79	020	dkgrsh .32	dkgrsh		clari		sd					
					Box 90										
			130	CB .13 MC .07	CB (CA, dkgrsh clari)					sd					
			070		MC										
						648' (197.51')					1.04 1.53			-D.02	
			100	CA .10	CA (SA)					"					
			030	dkgrsh .03	dkgrsh					"					
		197.17		059	CA .05	CA (SA)				"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 77



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
197.07	197.41	240	dkgrsh 0.24			dk gr sh				sd					
		470				gr sh, pt frag.									
						— 651' (198.42) —					0.87 0.91			-0.02	
		360	grsh 1.14			gr sh, " , c string				sd					
36		310				gr sh, weak lani, pt fossil									
		250				ssh (gr)									
			ssh .10		Box 91										
		250				ssh, sh irreg lani				sl					
		270	grsh 1.37			gr sh, ssh vague lani									
		320				fs, sh irreg vague lani at top									
						— 656' (199.75) —					1.46 1.53			-0.07	
		200.69	1.350			fs (in m) #									



**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87007**



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑			4880	4880	2001	Casing										
							———— 16" (4.88) ————					0				
							missing									
			560				Crsh. ssh blun. lam. sd									
			070		2002	Same as above, iron stain br.										
			390			MR										
						fault ?										
↓	56		500		2002	Crsh. ssh irreg. lam. iron stain sd along crack										
							———— 21" (5.4") ————					1.13				-0.09
			860				Crsh. ssh irreg. lam & bands sd									
			860		2002	Same as above										
50	791	390		2002		sh. weak lam. c. lens; pt frag. "										
							———— 86" (7.92) ————					1.81				-0.01

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
(50)	7.91		580	↑	Box 3	Same as above				sd							
↑			570	} CRSH 2.52		Cash. weak lam, ssh fine lam none "											
			070			Same as above					sd						
				} CRSH 2.52		———— 31' (9.45) ————					$\frac{1.52}{1.53}$					-0.01	
			720			Cash. ssh irreg lam none "											
			44"			Cash. pt tang.											
46			420	} CRSH 2.52		Cash. ssh blur. irreg lam "											
↑						———— 36' (10.99) ————						$\frac{1.52}{1.53}$					+0.06
			500			ssh. Cash blur lam "					sd						
(47)				} SSN 1.21		Box 4											
			710		ssh. cash, vts irreg lam "												
↓	12.54		320	} fs 3.32													
					fs. sh lam none, x lam "												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	12.54		120	vfs .12		vfs	ssh	lami			sd				
			350	ssh .35		ssh	vfs	lami			"				
47			560			crsh	ssh	irreg	lami	pt frag	4				
				crsh 1.08	Box 5										
			520												
↓															
↑			780			ssh	sh	irreg	lami	bands	x lami	"			
			150	ssh 1.43		vfs	irreg	"	"						
			500			Same as above									
45						ssh	blu vfs	sh	irreg	lami	bands	"			
					Box 6										
↓			1561	090		vfs									

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						— 51' (15.54) —					$\frac{1.52}{1.52}$				0
↑	15.61		520	} vfs .85		vfs ssh blue, lam									
			240				Same as above								
			270	} ssh .27		ssh, vfs blue, irreg lam									
45			290				vfs, ssh irreg. lam, c lens rare								
						— 56' (17.07) —					$\frac{1.52}{1.53}$				-0.01
			390	} vfs 1.41		vfs, ssh lam, x lam									
					Box 71										
			530	} ssh .35		vfs ssh vague lam									
			350				ssh, vfs vague lam								
			280	} vfs .28		vfs, ssh fine lam									
						— 61' (18.59) —					$\frac{1.55}{1.55}$				10.03
47	1880		120	} crsh .12		Crsh. ssh vague fine lam									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	18.80		310	{ ssh .31		ssh.	vfs	fine lami		sd					
(47)			150	{ crsh .15		Crsh				"					
			200	{ ssh .20		ssh.	Crsh	blur.	irreg lami	"					
			160	{ crsh .16		Crsh,	ssh	blur		"					
					Box 8										
			380	{ ssh .38		ssh,	vfs	irreg lami	Crsh lami	"					
46			190	} vfs .68		vfs,	ssh	lami		"					
			490				Same as above				"				
			220	} fs .99		fs.	dk	lami	calc. vein	at btm	"				
			280				Same as above				calc. vein	bn			
	21.67		69 590	}		fs.	dk	irreg lami,	calc vein		sd				



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
(51)	25.82		280													
↑			430													
SS3			290													
			200													
			370													
↓																
↑			100													
			140													
			190													
	2852		300													
↓																

DRILL CORE LOG



HOLE No. 87007

PAGE No. 7 8749

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
52	28.52		280	grsh .28	Box 13	crsh.	ssh	blur.	c	lams	pt	frag.						
			520			gr sh.												
			680	grsh 1.59			grsh.		c	lami,	c	lams	pt	frag.				
			390				Same as above											
			020	CA .02			CA	(SA)										
55			100	grsh .10			gr sh.											
			040	CA .04		CA	(SA)											
			550	grsh 1.36		gr sh.		c	lami			pt	frag.					
			31.91	710		Same as above												

DRILL CORE LOG



HOLE No. 87007

PAGE No. 8

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r. q. d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	31.91		060			dk gr sh, c lam									
						----- 10.5' (32.00) -----					1.26 1.52				-0.06
			040	dkgrsh .26		dkgrsh				br					
			180			dkgr sh, c stringer, lam				sd					
		32.22	050	dksh .05		dk sh				if					
	32.22		020	CA .02		CA				"					
			110	CC .11		CC vit. lam				"					
			050			CA				"					
			040	CA .25		CA				"					
			160			CA (SA)				"					
			070	CB .07		CB				"					
		32.77	100	CA .10		CA				"					

55° →

Roof

Roof

F

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
1	33.62		180	dksh .18		dksh (w csh)				sd							
			070	} CD .15	} Bar 15	CD	Bony										
			080			CD	Bony					br					
	33.95		070	cc .07		CC	Bony			sd							
			050	} CA 1.14	}	CA											
			080			CA											
			120			CA											
			090			CA						Semi sd					
			180	CA		CA				br							
						———— 114 (04.25) ————					$\frac{1.20}{1.27}$			+ 0.13			
	34.84		110			CA				sd							

Roof

(40)

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑ (48)	34.84		260	↑		CA (SH)				"					
			260			CA					"				
			030			} CB .03	CB (CA. F. Lani)					"			
		35.19	35.25				060	} dkgrsh .06	dkgrsh. c stringers				"		
						030	} CA .03		CA. F. Lani					"	
						010		} csh .01	csh.				scaly		
						190	} CA .40		CA. F. Lani					sd	
						210		} CA .40	CA. F. Lani					"	
						070	} CC .07		CC					scaly	
						(280)		} MC .28	MC						
			36.04			36.12	080		} dkgrsh .08	dk gr sh.				"	
							060	} CB .06		CB				scaly	br
↓		36.39	(210)	} MC .21	MC										

DRILL CORE LOG



HOLE No. 87007

PAGE No. 12 749



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	36.39		030	CA .03		CA		scaly		semi br					
(48)			050	CB .05		CB		"		"					
			160	CA .16		CA		"		"					
	36.71		080	CC .08		cc (rib)				semi sd					
	36.71		090	dkgrsk .2A		dkgrsk				"					
			150			dkgrsk				"					
	36.96		010	esh .01		esh				scaly					
			050	CB .05		CB									
			030	CA .23		CA									
			(080)	MC .08		MC									
	37.32		020	dkgrsk .02		dkgrsk									
			030	CD .03		CD									
	37.40		030	CB .03		CB									

Floor

Roof

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	37.40		040	0.04	F floor ↑ Bon 17	CA				scab					
			070	0.07		CC (F)					sd				
			150	0.15		CB					br				
			760	0.76		MC									
(48)							— 104 (37.20) —					2.36 3.08			-0.49
			100	0.16		CB (CA, CC, mixture)			remain		br				
			060			CB					sd				
			040	0.04		CA					sd				
	3868		060	0.06		CB					"				
			070	0.15		dk gr sh			clani		br				
			080	0.15	dk gr sh			clans		sd					
49	3903		200	0.20	ssh			sh lani		sd					

DRILL CORE LOG



HOLE No. 87007  
PAGE No. 14



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	41.27		190	sh .19		sh				sf					
			220	crsh .22		crsh				"					
			220	sh .22		sh	pt frag			7					
			400	crsh .40		crsh,	sh irreg. lami			"					
			240	sh .24		sh				7					
			290	vfs .84		vfs	sh vague bed			"					
			420			vfs	laminated				"				
			130			— 46' (23.00) —					$\frac{2.07}{2.23}$			+0.10	
						Same as above					"				
			240	ssh .24		ssh				v					
47			400	sh .125		sh,	ssh faint			v					
	44.78		760			sh,	weak lami, c lams				"				
						ssh vague lami									
						— 147' (44.81) —					$\frac{1.53}{1.53}$				0

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
(47)	44.78		090		Box 20												
			730			sh. cish irreg. lam. pt frag. sd											
			36-			same as above.											
			195	sh		— 15' (46.00) —					1.12 1.21						-0.03
48°			060			sh. weak irreg lam, c lam. sd.											
			160	dkgrsh .16		dk gr sh, pt frag.											
			260	crsh .26		crsh. pt frag.											
			010	CA .01		CA											
	47.45		200			gr sh. c lenses											
						— 156' (47.55) —					1.49 1.53						-0.04

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	47.45		130	grsh .33		Same as above									
			140	crsh .14		crsh									
			490	ssh .47		ssh, sh irreg. lam ifo irreg. lam									
			570	vfs .57		vfs, irreg. lam									
			170	ssh .17		ssh, vfs blun									
						———— 161" (49.07) ————				161 1.53					-0.07
					Box 22										
			210	vfs .31		vfs, ssh irreg. lam									
			180	ssh .18		ssh									
			250	crsh .25		crsh, pt frag. weak lam									
			280	sh .28		sh, c lam									
48	50.54		590	ssh .59		ssh, sh blun vfs band									
						———— 166" (50.60) ————				166 1.53					+0.08

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑ P(32) ↓	50.54		4.90	crsh .49	20023	crsh	medium	tan		sd					
	44		3.60	sh .36		sh					"				
			3.10	grsh .31		gr sh					"				
			2.20	ssh .22		ssh					"				
			3.00	ufs .30		ufs					ss				
			2.60	ssh .26		ssh					"				
			6.00			ufs					"				
			2.60	ufs .86		ufs					"				
		53.50		1.60		ssh .16	ssh				"				

271' (52.12')

1.38  
1.53

-0.14

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
						———— 176' (53.54) ————					$\frac{1.54}{1.53}$					+0.06
↑	5350		920			sh.	pt frag.	c lami none		st						
48			600			sh.	c lens			"						
				sh 2.10		———— 181' (55.17) ————					$\frac{1.53}{1.53}$					0
					Bar 25											
			570			sh.	sh frag.	lami at btm		"						
			530	vfs .23		vfs.	ssh	lami		"						
			120	ssh .12		ssh				"						
			450	vfs .45		vfs.	ssh	band		"						
			070	crsh .07		crsh.	pt frag.			"						
						———— 186' (56.69) ————					$\frac{1.54}{1.53}$					-0.08
			5661	ssh .14		ssh,	sh	fragine low		"						
↓																



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	56.61		240	vfs .24	Box 26	vfs	ssh	lani	x lani	sr					
			310	ssh .31		ssh	sh	lani			"				
			060	sh sw .26		sh					"				
			200			sh	vfs	band	calc. vein			"			
			320	vfs .61		vfs	ssh	lani			"				
40			290			vfs	crush	lani	ssh	lani	"				
						————— 14" (58.00) —————								+0.03	
			210	ssh .21		ssh	vfs	band	at Top		"				
			700	crush 1.12		crush	weak	lani							
	59.36		420			crush	vfs	string	bands						
↓					Box 27										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	59.36		220			vfs. ssh inneg. band				sd					
				vfs .32		— 196' (59.74') —					$\frac{1.52}{1.52}$				+0.03
			100			vfs.				"					
			160	ssh .16		ssh				"					
			270	vfs .27		vfs inneg. lam				"					
			200	crsh .20		crsh. c lens				"					
46			480	ssh .48		ssh. vfs blk. sh band at top				"					
			570			vfs. ssh inneg. lam				"					
				vfs .63		— 201' (61.26') —					$\frac{1.42}{1.63}$				-0.04
			360			vfs. ssh inneg. band, lam x lam				"					
	61.47		050			vfs									
(50)					Box 28										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	61.47		74°	} fs .79		fs	ssh band	x lam		sd					
50			17°	} crsh .17		crsh				"					
			220	} fs .22		fs	x lam			"					
			050	} ssh .05		ssh				"					
						———— 506' (62.99) ————					1.59 253			+0.00	
			100	} crsh .40		crsh	fs	irreg. patch		"					
			520	} fs b1		fs	crsh band	at middle							
			090				fs								
			280	} vfs .28		vfs	ssh lam								
			180	} crsh .52		crsh	ssh	vague lam name, pt' frag		"					
							———— 211' (64.31') ————					1.47 152			-0.05
↓	64.46	340				crsh	ssh band	irreg lam	at btm	sd					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Box 31											
↑																
	67.61		67°				crsh.	ssh	irreg	lamin		sd				
			120				vfs		irreg	lamin						
			26°				crsh.	vfs	irreg	patch.		ir				
							————— 22' (68.28) —————					1.61 1.52			+0.09	
			230				crsh.	ssh	blur			ir				
(D)			190				ssh.	vfs	blur			ir				
			130				vfs.	irreg	lamin			ir				
			47°				fs.	vfs	band							
					Box 32											
			160				fs									
	70.17		330				m.s.									
↓							————— 31' (70.91) —————					1.51 1.53			-0.02	

DRILL CORE LOG



HOLE No. 87007

PAGE No. 25

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	70.17		110	MS .44	Box 33	ms	x	lami		sd				-	
			270	fs .47		fs	x	lami			"				
60°			250	vfs .75		vfs					"				
↑			200			sh.	vfs	band	patch		"				
51°			280			sh.	ssh	fine	lami		"				
↑				sh .94		————— 236' (71.93) —————					1.51 1.50		-0.01		
	71.94		260			sh.	ssh	fine	lami	none	at top				
51°	72.66		720	grsh .72		gr	sh								
roof	72.66		220	CB .02		CB									
			010	CA .01	CA										
	7280		110	cc .11	cc.	Bony									
↓															

(40)



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
51	73.93		0.50	dksh .05		dk sh				sd					
		74.15	170	dkgrsk .17		dkgrsk				ir					
			190	cc .19		cc.	Bony			ir					
			190	CA .19		CA				"					
			0.30	cc .03		cc				bn					
			0.70	CB .07		CB				bn					
						————— 246' (24.98) —————					$\frac{1.51}{1.05}$			-0.01	
			120	CA .17		CA				sd					
			0.30	CB .08		CB	(CA w/ F lami)								
			0.30	cc .03		cc	Bony								
			0.40	CB .04		CB									
		75.09	140	CA .14		CA									
↓															

Roof

↑  
roof  
62



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	75.09		110	CB .11	G2	CB				bn					
			140	CA .14		CA					sd				
(51)	75.34	75.46	120	dkgrsh .12	Floor ↑	dkgrsh.		c san lam (3A)		sd					
	75.46		(040)	MC .04		MC									
Floor V	75.40	75.62	120	CA .12		CA				dr					
			100	dkgrsh .10		dkgrsh.		c stringers		sd					
		76.00	280	ssb .28		ssb				sd					
Roof	76.00		(170)	MC .17		MC									
						— 25' (26.50) —					1.32 1.55		-0.20		
			260	CA 40	Roof G3 ↓	CA				sd					
(5A)			140	CA 40		CA									
			120	CB .12		CB									
			270	CA .07		CA									
	76.81		250	CB .05		CB		c vit w/ R lam							

DRILL CORE LOG



HOLE No. 87009

PAGE No. 29



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	77.60		040	dksh .04		dk sh				br					
54	77.76		120	dkgrsh .12		dk gr sh	pt frag.			sd					
			(130)	MC .13		MC									
			070	CA .07		CA			highly	br					
			070	cc .16		cc (CR)	shard			br					
			090			cc				sd					
			020	CA .02		CA				br					
Floor	78.47		(330)	MC .33		MC									
			030	dksh .03		dk sh				br					
			060	dkgrsh .06		dk gr sh	c lens			sd					
			080	vfs .08		vfs									
	79.00		060	CFsh .36		CFsh	ssh blun. c lens								
50	79.25		050	sh .25		sh	ssh lens								
	79.53		(280)	MR .28		MR	261' (179.55)				1.17 1.53			-0.33	

53  
floor  
↓

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	78.53		100	sh .10	Box 37	Same as above				sl					
			240	ssh .24		ssh, vfs bands					"				
			210	sh .21		sh, ssh fine wavy lami					"				
(50)			120	vfs .12		vfs, ssh lami					"				
↓			440	fs .44		fs, ssh band.					"				
↑			210	crsh .21		crsh, ssh irreg lami, blue					"				
			290	ssh .29		ssh, crsh blue					"				
							————— 266' (81.08) —————					1.51 1.53			+0.08
(51)			290	crsh .29	crsh, ssh blue					"					
			310		ssh, crsh blue, vfs irreg lami					"					
↓	82.58		340	ssh 1.64	Box 38	Same as above									





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
	90.24		320	3.32	Box 42	sh.	clay x l,	pt frag.		sd						
(46)			280	grsh .28		grsh;	clay, base,	pt frag.			sd					
			510	crsh .51		crsh.		pt frag.			"					
47			300	ssh .30		ssh.	sh	lain			"					
			130	crsh .13		crsh,					"					
							———— 30' (91.24) ————					$\frac{1.54}{1.53}$			+0.02	
			260	sh .26		sh					"					
			220	crsh .22		crsh.	ssh	blurr			"					
			330	ssh .33		ssh.	vfs	bands			"					
			000	vfs 1.20		Box 43	vfs.	laminated			"					
			9338		710		vfs	x	lain,	fs	bands	st				

DRILL CORE LOG



HOLE No. 27007

PAGE No. 25 0749





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r. q. d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	96.46		280		Box 45	ms	#			sd						
(47)			400	3.13 <sup>ms</sup>			Same as above				"					
			650				ms, weak lam				"					
							— 321' (97.84) —					1.33 1.52			-0.9	
			570				Same as above, sh patch at btm				"					
↓			680	3.08 <sup>fs</sup>			fs				"					
48			420				crsh ssh lam				"					
						Box 46										
↓			540	9.6 <sup>crsh</sup>				crsh, ssh lam near, br. at btm								
							— 326' (99.36) —					1.61 1.52			10.09	
(51)	100.25		550				sh, weak lam				sd					





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	104.37		040	CD .04		CD	Fusit			sd					
			270	CB .27		CB				"					
	104.68	104.73	050	dk sh .05		dk sh				"					
			040	} CA .44		CA				"					
(50)			120				CA	banded							
			180				CA			semi br					
			100				CA & CB				br				
			020	CC .02		CC				br					
			070	CA .07		CA, CB	mixture			br					
			(180)	MC .18		MC									
						————— 346' (105.06) —————					1.34 1.50			-0.18	
	105.44	105.47	030	CSH .03		CSH									
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	105.47		010	CC 0.01					sd						
			030	dksh 0.03					"						
			050	CSW 0.05					"						
	105.62		060	CD 0.06					"						
			040	CB 0.04					"						
(50)			040	CA 0.04					"						
			030	CD 0.03					"						
			060	CB 0.06					"						
			040	CC 0.04					"						
			210	CB 0.21					"						
			(160)	MC 0.16					"						
	106.20	106.27	070	CD 0.07					"						
		106.43	160						"						
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	106.43		0.20	↑ CA .18		CA											
			0.00	CD .08		CD											
			0.20	CA .28		CA ~ CB											
			0.60			CA											
			0.40	CC .04		CC											
	(50)		0.60	CA .06		CA											
		106.91	106.96	0.50		CSW .05	CSW										
				<del>0.60</del>			<del>CA</del>										
							————— 35' ( 106.90 ) —————										
			0.90	CA .20	Box 50	CA (SA)											
		1.10	CA														
		107.19	0.30	CD .03		CD											



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	108.41		090 230	MC .09		HC									
						356' (108.51')					1.45 1.03			-0.08	
			040			CA				sd					
			120			CA & CB				Fi lam					
			050	CA .40		CA									
			140			CA				(LSA / Fi lam)					
			050			CA									
			030	CSH .03		CSH				Fusit					
			030	CA .03		CA				semi bn					
			010	CD .01		CD									
			050	CB .05		CB				semi sd					
			010	CD .01		CD									
Floor	109.99		980	MC .96		MC									
52	110.05		060	dkgrsh .06		dkgrsh				sd					

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 44 of 49



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					(B-51)										
	110.05		370	{sw .37		sh.	pt frag.			sd					
	110.42	110.59	170	{dkgrsw .17		dk gr sh.	c lami			"					
			280			sh.	pt frag.			"					
				{sw .65		--- 363' (110.54) ---					$\frac{1.01}{2.13}$			-D.92	
62			570			sh.	c lami rime,	pt frag.		"					
			100	{dkgrsw .10		dk gr sh.	c lams			bn.					
			010	{dksw .01		dk sh.				bn.					
			180	{dkgrsw .18		dk gr sh.				Semi sd.					
						--- 367' (111.06) ---					$\frac{0.86}{1.22}$			-D.36	
	111.76			{MR .23		MR	frag (Some thin coral)								
Roof	111.76		130	{CA .13		CA & CB.		sd.		bn.					
			020	{CB .02		CB				sd					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 45

B N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	111.91		130			CA		slightly		semi sd					
			040			CA				sd					
					Box 52			slightly	scaly						
(52)			050			CA				semi sd					
			000	0.08		CB				"					
			220	0.22		CA ~ CB				"					
			(800)	0.80		MC			371 (113.08)		0.62 / 1.22				-0.55
	113.28		050	0.05		CA ~ CB				bn					
Floor	49		000	0.08		dk gr sh				sd					
	113.76		400	0.40		ufs, sh bands				"					
			140	0.14		sh									
	114.31		410	0.41		fs				bk. wing lamu, sh band at base, sd					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	114.31		310	vfs .31												
			(060)	MR .06							1.37 1.53					-0.13
			270	fs .27												
					Box 53											
			050	vfs .05												
			320	sh .32												
49°			150	dkgrsh .15												
			640 640	fs .64												
			(100)	MR .10							1.43 1.53					-0.10
			150	vfs .15												
	116.54		120	dkgrsh .12												
↓	116.54	116.65	110		100F K2											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	116.65		140	CB .33											
			250												
(49)			180												
				CA 44	Barst										
			260		K2										
			(710)	MC .71											
			290	CA											
↓	118.16		050	.14	Flow ↑										
47°			220												
			120	dk gr sh 1.07											
			130												
43°	119.36		130	crsh .13											

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 48



**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87008**







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	18.76		120	grsh .12					br						
			150						crsh w/ sh stringer					SD	
				crsh .75											
			600		Box 2				crsh					SD	
			010	dkgrsh .01					grsh w/ sh lamin'						
			210						grsh					SD	
				grsh .25					65 = 19.81			150		152	
			040						same as abv					SD	
			400						crsh - grsh w/ sh stringer rare					SD	
				crsh 1.11											
			200						crsh - grsh w/ calcite vein rare					SD	
39			510						crsh w/ sh lamin'					SD	
					Box 3										
			140						grsh w/ sh lamin' very rare					SD	
				grsh .55											
			350						grsh					SD	
									-70 = 21.33			164		152	
↓	21.55		060						grsh w/ calcite vein rare					bt	

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. 87008

PAGE No. 2

July 14

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
↑	21.55		210			crsh w/ ssh laminae rare												
(39)			270	crsh 5.6		blocky same as above; iron rusty												
↓			080			same as above												
↑			080			ssh w/ sh laminae; calcite vein rare												
48			190			ssh w/ sh laminae; calcite vein												
↑			070	ssh .44		ssh												
						-73 = 22, 25-							96 92					+4
			100			core switch												
			100			ssh w/ sh stringers; calcite vein SL												
↓			100	crsh .10		crsh ~ ssh w/ calcite vein x4												
48			280			(thin) grsh w/ calcite vein rare x3												
↑			710	grsh 1.21		Box 4 thin grsh w/ calcite vein x7												
	23.79		150			grsh w/ calcite vein x3												
↓																		

DRILL CORE LOG

- thin calcite 1" <



Quintette Coal Limited

HOLE No. 87008

PAGE No. 5

1.1.12

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	23.79		070	↑		(grsh w/ calcite vein x 2)									
			120			fs w/ dk sh stringer									SD
						- 28 = 23.77 -					155 152		+1		
			200	fs .50		(core switch) → adjacent thin same as abv. calcite x 4, rusty								SD	
50			180			fs w/ dk stringer s									
↑			020			grsh									
			170			grsh w/ calcite (lowest power)					SD				
			060			grsh w/ calcite mic									
			180	grsh .58		grsh									
						BOX 5									
			150			grsh									
			260	ssw .26		ss w/ calcite 2mm x 1									
			270	grsh .27		grsh					149 153				
						83 = 25.30									
	2562		150	crst .52		rusty crsh w/ calcite thin x 1									
			005	↓		calcite vein									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	25.62		370			bluish-crsh w/ calcite vein irr									
			190			grsh									
			370			grsh w/ crsh bed									
			180			grsh-(crsh) w/ calcite <sup>thin</sup> x3, vertical									
			170			grsh w/ calcite vein x1									
						Box 6									
(62)			120			grsh									
						88 ± 26.82									
			005			calcite									
			160			grsh w/ calcite irr.									
			155			grsh									
			150												
↓															
↑			040			crsh, rusty									
			080			ssh w/ sh faint lam rusty									
			160			crsh									
			050			ssh w/ faint lam									
↓	27.77		110			same as abu									

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. 87008

PAGE No. 5





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
47	30.97		230	grsh .23		grsh w/ ssh cur. lamina; Calcite vein in upper & middle SD									
44			720			grsh w/ calcite thin x ll SD ssh lamina rare									
			1410	grsh .95		same as abv									
			090			grsh									
			300			vfs ~ ssh w/ sh faint cur. lamina									
				vfs .40		106' = 32.31					148 153			-5	
					BOX 9										
			180			vfs w/ sh stringers irr.									
			050	ssh .05		dk ssh									
			210			vfs ~ ssh w/ sh stringers, calcite vein									
				vfs .29											
			080			vfs w/ sh stringers irr. lamina									
			270	ssh .27		blui ssh									
47			560			crsh w/ sh lamina									
				crsh .65		-110 = 33.53 -									
			3381	090		crsh w/ sh lamina					127 122			+5	



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
48	33.81		530	}		grsh w/ dk faint lami										
			010			calcite										SD
			170			grsh w/ dk faint lami										
			350	}		BOX 10										
			290			grsh									SD	
			060	}		same as abv										
			115 = 35.05			}										149 / 152
			620	}		crsh w/ sh bed										
			010			calcite										
			570	}		crsh ~ sh w/ oil lens										
			050			}										SD
44			040	}		grsh										
			040			grsh										SD
			36.74	}		BOX 11										
			230			grsh w/ plant										SD
			3707	}		120 = 36.57										
			330			grsh										SD
44				}												
						grsh										SD

Box 9 ~ BOX 10 ~ BOX 11

DRILL CORE LOG



HOLE No. 87000

PAGE No. 9



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(44)	37.07		100	↑											
		37.22	050	dkgrsw .05											
ROOF FLOOR	37.22	37.87	(650)	MC .65		MC	missing								
	37.87		080	CD .08			Bony CD		br. 010 stone						
			(150)	MR .15		MR	missing								
		38.12	020	grsw .02			grsh		br						
ROOF	38.12		050	CB .05			CB		powdery slime						
			(060)	MC .06		MC									
			100	CA .10			slime CA		like solid						
			150	MR .15		MR	CA		powdery slime						
			120	CA .12			CA								
(47)			060	CD .06			CD		SD						
			120				CA		SD						
			060	CA .26			CA like slime								
		38.92	080				CA like slime		SD						
	38.92		040	CD .04			CD like slime		slime						
			(060)	MR .06		MR									
		39.06	040	CD .04			CD		SD						
	39.06		060	CA .06			CA		slime						

39.18 (060) MC  
.106

MC

Box 11  
Quintette Coal Limited

HOLE No. 87008  
PAGE No. 10 of 2

DRILL CORE LOG

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	39.18		(100)	MR .10		MR											
	39.28		(130)	MC		MC 129 = 39 32					2.25						-0.27
			060	CA		CA ~ CB				br							
		39.50	030	CC		CC				br							
	39.50		030	dkgrsh		dkgrsh				br							
			050	dksh		Box 12 dk sh w/c lami				br							
			060			as above											solid
	39.74	39.74	(100)	MR .10		MR											
			030	CA		CA				solid							
			40.26	(490)		MC	MC										
			40.71	(450)		MR	MR (Coaly)										
FLOOR	40.71	40.94	(230)	MR		MR											
			41														
			40.94	110	dkgrsh	dk gr sh w/c lami			br								
			030	.14													
	41	41.14	060	dksh	dksh like Bony				SD								
			130	dkgrsh	dkgrsh w/c lami				br								
			040	.17		same as abv											
	23		(440)	MR	MR												
			100	.44		sl dkgrsh			SD								
			050	dkgrsh	dk gr sh w/c lami				SD								
			040	dksh	dk sh w/c lami				br								
	(38)	42.06	120	.04		grsh			SD								

(Flu) ? Fold?

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
37	44.06		450	ssh .45					ssh w/ sh band faint x 3 calcite vein x 2.	SD					
31			500	crsh .50					crsh w/ ssh band x 3	SD					
			110	grsh .16					grsh						
			050						grsn w/ calcite thin vein	br.					
			310		Box 14				crsh w/ calcite thin vein x 2	SD					
			070	crsh .41				150 = 45.72	crsh	SD					
			030						crsh	br					
			210	grsh .21					grsh	SD					
			200	crsh .30					crsh w/ c lami rare	SD					
			100						crsh w/ ssh band rare						
			280	vfs .36					vfs ~ (ssh) w/ sh faint lami calcite thin vein very rare.						
			080						same as abn w/ calcite thin vein x 3	SD					
			240						crsh	SD					
			260						crsh w/ ssh band & lami	SD					
↓	4698		030						same as abn	br					





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	53.54		030			grsh				br.					
			100			same as abv				br					
			160	grsh .59		grsh w/ vtz band, 2 sh lam				SD					
			300			177 = 53.95				SD	10 1/2 92			+15	
			050			bliny csh				SL SD					
			150	SSH .15		same as abv				SD					
50			140	vtz .14		vtz w/ sh lam				SD					
			260	fs .38		fs in vtz w/ sh lam w/ calcite vein									
			120			fs w/ dk faint lam				br					
			070			vtz w/ sh lam				SD					
			050	vtz .12		BOX 19 same as abv				SD					
↓			330	fs .33		fs in vtz w/ sh cur lam				SL					
			070	SSH .07		sh				SD					
44			140	crsh .14		missing Crsh				SL, D					







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	61.15		250	↑			missing								
			(980)	MC } .98			CA~CB			br					
							MC missing								
							- 205 = 62.40				$\frac{0.25}{1.23}$				-0.97
FLOOR		62.41	030	CC } .03			cc~CB mixed			br					
	62.41		040	CA } .04			Coaly crakn ssh			SD					
			020	grsk } .07		sample	CAW/CD			br					
			160	ssh } .16											
		62.76	(130)	MC } .13			coaly ssh			SD					
(41)			107	ssh } .10											
			040	grsk } .04			grsk			br					
		62.94	(040)	MR } .04											
ROOF	62.94		150							SD					
			200				br CA			SD					
			090	CA } .58											
			140				br CA			SD					
			550	MC } .55			MC								
							Box.22								
			030	CB } .03			CB, (CAW/CD diam)								
			530	MC } .53			ME				$\frac{1.00}{1.53}$				-0.53
							- 210 = 64.06								
FLOOR		64.75	(120)	.65			MC								

Box 21 ~ Box 22

# DRILL CORE LOG



HOLE No. 87008  
PAGE No. 19

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	64.75		020	grsh .02		grsh				br					
			050	vfs		vfs				br					
			040	.09		same as ab.									
			030			grsh				SD					
			030	grsh .29		grsh				br					
	65.15		230			grsh				SD					
			160			ssh				SD					
				ssh .30											
			140			ssh w/ sh faint lam.				SD					
			090	grsh .09		grsh				SD					
											0.79 1.52				0.73
33			240	ssh .24		ssh w/ sh lam.				SD					
						switch									
			100			grsh									
			180	grsh .76		grsh				br					
	66.39		330			grsh				SD					

DRILL CORE LOG



HOLE No. 87008  
PAGE No. 20

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
(33)	66.39		150		220 25	grsh & ml, remained										
						BOX 23										
						218 = 66.45					$\frac{1.20}{0.92}$				+0.02	
			170			crsh .17 vfs .08 crsh .37	blur @ vsh w/ calcite veins									
			080				vfs w/ sh faint irr.									
			220				Crsh w/ calcite veins									
			150				same as abv									
			100			ssh .10 crsh .15	blur ssh									
			150				crsh									
			100			ssh .10 crsh .07	ssh w/ faint lam									
			070		crsh											
			210		ssh .36	ssh w/ sh faint lam										
			150			same as abv										
			510		ssh .91	222 = 67.67 m										
						ssh w/ sh lam										
					BOX 24											
			100		ssh w/ sh lam											
			080		" "											
			220		same as abv											

Box 22 - 24

DRILL CORE LOG



HOLE No. 87000A  
PAGE No. 21 8742

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	68.85		290	} crsh .62		crsh w/ ssh lami containing shalyngv SD									
35 37 ↓			330				cr sh w/ sh lami								
			227 = 69.18	} grsh							1.53 1.52		+0.01		
31			360				grsh								
			130	} grsh .64		grsh w/ c lami					} SD	0.49 0.91		-0.22	
			230 = 70.10												
			100	} grsh		drill remain gr sh w/ c - shalyngv									
↓			050				grsh								
41			100	} ssh .28		ssh w/ sh lami									
			180				Box 25								
			150	} vts 0.05		ssh w/ sh lami									
			430				vts								
			430	} (vts) w/ sh lami d. irr. lami		(vts) w/ sh lami d. irr. lami									
			180				fs w/ sh fine lami rare, calcite vein SD								
	71.17		120	} fs w/ sh lami		fs w/ sh lami									
↓			285 = 71.625				Box 24-25								1.51 1.50

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	71.17		050	↑		fs				br					
			200			fs w/ calcite vein rare				so					
(41)			090	↑ 1.51		fs w/ calcite thin vein				sl sd					
			440			fs w/ calcite vein in upper portion				sd					
26			140	vfs		vfs w/ joint laminae									
			030	1.7		vfs				br					
						BOX 26									
			080	crsh .08		crsh									
			070	ssh .07		bluish sh				sl sd					
			070	grsh .07		grsh									
			070	ssh .07		ssh w/ sh laminae									
			130	vfs .13		vfs									
			160	ssh .16		ssh w/ sh conc. laminae									
			040	vfs .04		vfs				br					
						- 73.15 = 240 -					151 152			+5	
			160	ssh .16		ssh w/ sh laminae									
23			130	crsh .13		crsh				sd					
		73.11	080			ssh w/ sh laminae									

Box 25 ~ 26

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 47028

PAGE No. 23

67  
58

S.S.C.  
2.4

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	73.11		050	ssh .13		ssh w/ sh lamina									
23			190			crsh w/ ssh lamina									
			050	crsh .86		same as abv									
						241 = 73.45					66/30			+36	
			620			crsh w/ c lamina									
↓						BOX 27									
↑			150	grsh .15		grsh									
			250	crsh .25		blw crsh									
25			340	ssh .34		ssh w/ sh lamina									
			160	grsh .24		grsh w/ c lamina									
						- 246 = 74.98 -					150/152				
			080	crsh .34		same as abv									
			340	ssh .09		blw crsh									
			090			ssh w/ sh faint out. lamina									
			150	crsh .15		crsh w/ ssh swamp									
↓	76.10		520	grsh .52		gr sh									
						- 250 = 76.20 -					118/122			-4	
						BOX 28									

box 26 ~ 28

DRILL CORE LOG



HOLE No. 87008  
PAGE No. 24

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	76.10		710	<sup>crsh</sup> 5.71	—	crsh ssh w/ sh band x 6				SD					
21			250	<sup>ssh</sup> 2.25	—	ssh vts w/ sh lami				SD					
↑			390	<sup>sh</sup> 3.39	—	sh w/ crsh band x 3									
			110		—	vts ~ ssh w/ sh lami. inv									
			060	<sup>vfs</sup> 2.7	—	vts w/ sh lami				$\frac{152}{152}$				⊗	
			100		—	255 = 22.22									
↓			270	<sup>fs</sup> 2.27	—	same as abv				SD					
21			220	<sup>vfs</sup> 2.22	—	fs ~									
19~23					—	vts ~ fs w/ faint lami									
					—	BOX 29									
↓			760?	<sup>fs</sup> 9.4	—	fs ~ (ms) w/ ssh containing sh lami rare				$\frac{SP 57}{703}$				⊗	
21			180		—	fs w/ sh dk lami									
			260		—	260 = 79.25									
25			510		—	fs w/ ssh band containing sh trilob & sh petal									
			140	<sup>fs</sup> 1.10	—	fs				SD					
			170		—	fs w/ sh lami				SL SD					
			280		—	fs				SD					
					—	BOX 30									
28	80.59		340	<sup>ms</sup> 3.34	—	(fs) ~ ms				SD					

Quasi measurement  
from what is expected  
in box

BOX 28 ~ 30



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	80.59		030	.03			shll ssh			br					
							265 = 80.77				1.47 1.52				-0.09
28			130	.73			fs								
			600	.73			fs w/ dk lamini rare			SD					
↑			070	.10			ssh w/ sh lamini								
23			030	.10			same as abv			br.					
↑			060	.40			grsh								
			340	.05			grsh w/ ssh w/ band containing sh stringers.			SD					
			050	.27			crsh								
28			270	.27			grsh w/ ssh-crsh stringers rare			SD					
↓															
↑			100	.10			BOX 31				1.55 1.53				+0.02
27			050	.05			grsh								
			550	.05			grsh w/ ssh lamini very rare								
25			730	.05			grsh w/ oil band x 2			SD					
	83.75		150	.05			grsh w/ oil band x 1								
							275 = 83.82				1.33 1.50				10.06
↓			480	.48			sl. dk, grsh w/o?								
↑															
15			160	.16			BOX 32								
							grsh								
0	84.51		120	.12			MR				0.64 0.91				-0.07
ROOF	84.51		150	.15			MC								
↓		84.73	070				CA			br					

DRILL CORE LOG

BOX 30 ~ 32



HOLE No. 87008  
PAGE No. 26

J

58.27



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	87.28		010	CD 0.01											
			090	CA 0.09				CA w/ fcd a band x1							
			120	CB 0.12				CB ~ CA like shun		SD					
			390	MC 0.39				MC							
			080					CA							
			#					Box 33							
			260					CA		SL SD					
			100	CA 0.48				CA ~ CB		br					
(34)								-290 = 08.39			0.33 1.33				-0.39
			040					CA		SL SD					
			070	CB 0.07				CB w/ cd rch band 1.5cm x 2		} SD					
			060					CA							
			060	CA 0.32				CA		br					
			050					CA w/ fcd x1		SD					
			150					CA		br					
			1040	MC 1.04				MC misc. mfg							
			060	CA 0.06				CA w/ fcd x2 m x1		SD					
FLOOR		90.06	200	MC 0.20				MC 295 = 09.92			0.49 1.55				-1.04
↓	90.06	90.08	020					dk gr sh w/c lam							

Box 32 ~



Quintette Coal Limited

HOLE No. 87008  
PAGE No. 28

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	90.08		150	dkgrsh .17					br						
34			500	grsh .50					grsh, plant						
41			050	grsh .21					grsh w/ssh druzed or IIII						
↓			160						grsh, plant						
↑															
38			290	sh .29					Box 34 sh w/ssh lam rare						
	91.30		070	dkgrsh .07					dkgrsh w/c lam						
	91.37		070	SMC .07											
			030	csk .03					csk w/c lam						
			100	dksh .10					dk sh w/c band, lam						
			020	grsh .02					hd. F. csk						
			060	MC											
			050	MR											
			090	MC											
			100	MR											
ROOF	91.98		060	CA											
			070	.13					CA w.csk lam x1						
			030	MC .63											
			100	3CB .10					CB ~ CA w/F x1						
			050						CA						
			050	CA .10					CA						
			170	MC .11											
			270	CA											
	93.42		100	.37											
FLOOR															
39	93.42	93.62	200	grsh .20					grsh						

Box 33 ~ 34

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, a, d. d, o, b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	93.62		340	ssh .34		bluv	vfs ssh			SD					
						Box 35									
39			100	crsh .10			crsh w/ sah lami rare								
			410	vfs .41			vfs w/ dk lami rare			SD					
	94.47		050	MC .05		MC	- 310 = 94.47				$\frac{1.42}{1.53}$			-0.11	
			020	dkgrsh .02			dkgrsh w/ c lami			br					
			060	sh .06			sh			SD					
↓			270	crsh .27			crsh								
37			450	vfs .75			vfs w/ dk lami rare			SD					
↓			300				same as abn, c lens rare								
38			370	fs .93			fs w/ c lami rare			SD					
							315 = 96.01				$\frac{1.42}{1.53}$			-0.05	
			560	fs .93			Box 36								
↓			130	vfs .13			fs			SD					
29							vfs w/ c lens								
							missing								
	96.68	96.87	190	MR .19		MR									
			070	CB			CB			br					
			050	.08			CB			SD					
			97.71	MC .76		MC	320 = 97.57				$\frac{0.27}{1.53}$			-0.76	

Box 34 ~ Box 36

DRILL CORE LOG



HOLE No. 87008  
PAGE No. 30

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	97.71		100	CB		CB				br					
			060	.16		CB				sl SD					
			160	CA		CA ~ CB				SD					
FLOOR		98.09	060	.22		CA				SD					
(29)			030	grsh .03		grsh w/ c. lami				SD					
		98.24	120	MR		MR									
			190	MC											
ROOF FLOOR		98.49	060	CB .06		(CB w/ cc) br									
			030	dkgrsh		dkgrsh				br					
			040	.07		as above		SD							
		98.79	230	MR .23		MR				SD					
			060	CA .06		CA like powder				SD					
↓		98.89	040	MC		MC									
		98.91	020	grsh .02		grsh									
			120			grsh w/ ssh lami very rare				SD					
			070	grsh .24		grsh									
			050			grsh				br					
		99.20	050	MR .05		MR									
(34)		99.30	100	MC .10		MC = 325		— 99.06			206 / 182			-D.66	
			150	grsh .15		grsh				br.					
			040	dkgrsh .04		dkgrsh									
↓		99.78	290	fs .29		dirty fs w/ dk lami									

DRILL CORE LOG

Box 36 ~ 37



HOLE No. 8200P

PAGE No. 31



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	10212	10724	120	↑		same as abov	#			SD						
					335 = 102.16							$\frac{129}{103}$			-0.07	
			050				(drill remain d/c crush?)				br					
			390				fs #				SD					
			730				fs #									
											SD					
							Box 39									
			240				fs #									
			450				340 = 103.63					SD	$\frac{151}{152}$		-10	
							fs # w/ dk stringer									very very rare
			650				fs #									
			440				fs #					SD				
							345 = 105.16						$\frac{154}{153}$		+1	
			250				fs # ~ ms									
							Box 40									
		710			ms #											
		590														
					350 = 106.67						$\frac{155}{151}$		+4			
27	10682	080			ms #											

DRILL CORE LOG



HOLE No. 87008

PAGE No. 33 5742



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
38	106.82		480	fs .67		fs ~ ms #									
			190				fs w/ dk faint lami very rare } SD								
						BOX 41									
28			200	ms #		ms # w/ dk string in upper part } SD									
			510				ms #								
			170	ms #		ms # SD									
			520				355 = 108.20					162 153		+10	
			700	ms 2.25		ms # w/ c lami very rare SD									
			050				BOX 42								
			100	ms #		ms # SD									
			200				360 = 109.72					127 152		-25	
			180	fs 3.20	670	whity fs ~ ms w/ calcite vein } SD									
			060			710	ms # (EUV ?)								
			270	ms 3.06	75	fs ~ ms									
			370			8	(ms) ~ fs w/ calcite vein rare								
(33)			380	ms #		(ms) ~ fs # } SD								orange scatter	
			190				(ms) ~ fs #								"

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87000A

PAGE No. 34

BOX 40 ~ 42

71  
72



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
30	117.32		480	↑ fs 2.01		385 = <sup>117.35</sup> <del>147.82</del> <sub>4572</sub> fs w/ sh 792, laminae SD					153 153				
						BOX 46									
29			120	} vfs .65		vts w/ sh irr. band SD									
			460			vts w/ calcite films SD									
			070			vts # br									
			MR 350			MR vts #									148 152
29			290	} vfs .68		390 = 118.87 vts w/ sh laminae, small lens irr.									
			040			vts w/ sh stringers									
			520			} fs .52	fs w/ dk laminae or 1000								
			070				dk laminae 1000 vts								
29			110	} vfs .18		vts w/ sh laminae									
			060			} gfs .06	gfs								
			220				} vfs .22	BOX 47 vts w/ ml laminae, sh irr. and fault SD							
			030			ssh w/ sh stringers br									
29	120.45		180	} ssh .27		ssh w/ sh faint laminae									
			395			ssh vts w/ sh irr. and laminae } SD 395 = 120.39									

DRILL CORE LOG

BOX 45m BOX 47



Quintette Coal Limited

97/E?

HOLE No. 87008

PAGE No. 56

700  
71  
290

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	120.45		120			blue vts		7243	SD						
			200			blue vts w/ ml lens			SD						
			150	vts 1.16		vts									
23			390			blue vts w/ sh lami in middle, ml lenses		same pipe	SD						
↓			300			muddy vts (70% fine)									
↑			220	ssh .22		muddy ish w/ vts nodules			SD						
			680			Box 48 muddy vts ~ fs (buff?) w/ gr sh faint stringers									
			190			muddy vts (buff?) w/ ml nodules									
			270			muddy vts ( " )			SD						
			260			vts w/ ml lenses									
			160			same as above			SD						
			405 = 12344							294 205					-11
			070	2.17		remain vts			SD						
			250			vts									
			100			vts w/ sh			SD						
↓	12388		070			vts w/ dk faint lens									

DRILL CORE LOG

Box 47 ~ 48



HOLE No. 87008

PAGE No. 37

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						<b>Box 49</b>									
(34)	123.88		120			ufs # 97?									
↑			240	ssh .24		sl. dk ssh ; + sl. crumbl, 92?					}	SD			
			200			sl. dk ufs									
			160	ufs .30		ufs w/ faint irr. rare									
26			020			same as abv									
			020	ssh .02		ssh					}	SD			
			110	grsh .11		grsh w/ and band x 1									
			070			muddy ssh crumbly									
			070			ssh									
				ssh .30											
			150			- 40 = 124.96 -					150 152			-2	
			010			ssh w/ sh lami & blue sh					}	SD			
			005			calcite vein									
↓			000	grsh .10		grsh w/ ufs interfingering									
↑			100	ufs .62		blue ufs									
25			520			?? ufs w/ sh containing ssh lami; (ufs # 00)									
			100	ssh .10		ssh w/ sh lami									
						<b>Box 50</b>									
			100	ufs .19		sl. dk ufs w/ ash interfingering									
			090			same as abv									
			070	ssh .37		ssh w/ ufs interfinger, ml lami									
↓						- 45 = 126.49 -					58 153			+5	
(30)	126.56		130			ufs									

DRILL CORE LOG

Box 49



HOLE No. 87008

PAGE No. 38 of 42

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	12656		190	vfs .32											
30			110	ssh .11											
			430			#		muddy vfs	sl. dk						
			030	vfs .80				vfs w/ dk stringers							
			340			#		muddy vfs	sl. dk						
			120	grsh .12				grsh w/ ml, ssh irr. laminae							
			150	ssh .15				ssh	sl. dk						
			200	crsh .20		BOX 5.1		crsh							
			540	ssh .61		#		muddy ssh (crsh?)							
			070					ssh // vfs							
			240	crsh .24				crsh w/ ml sh laminae, crumbly	sl. dk						
28			060	ssh .06				ssh w/ sh stringers							
			070	grsh .07				grsh							
			080					crsh w/ ssh laminae, ml laminae							
			160					bluv crsh ~ ssh							
			180	crsh .87				crsh w/ ssh laminae rare							
			450					- 425 = 129.53 -							
								crsh w/ ssh laminae, ml laminae x2 and calcite vein in lower part							
								BOX 5.2							
31	13067		690					grsh w/ sh crsh band, laminae, sl. crumbly							

Box 5.0 ~ 5.2

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 54									
(32)	133.90		130			grsh									
↓			070			crsh									
↑			250			vfs									
			100			crsh									
			170			uts, cross laminae									
			100			crsh w/ ssh laminae & sh-speckled									
			100			ssh w/ sh laminae, inter-fingering									
			100			ssh w/ sh irr. laminae									
33			150			ssh w/ dark stringers									
↓			300			bluish ssh									
↑			150			uts w/ sh stringers									
			220			same as abv									
						445 = 135.63									
P 35			410			ssh & uts w/ sh faint laminae; irr.									
↑			070			crsh									
						crsh w/ sh speckled, ssh band rare									
			100			BOX 55									
			250			ssh w/ pyrite is it									
			050			ssh & uts w/ sh faint laminae irr.									
36			050			grsh									
↑			050			fs									
			120			bluish uts w/ sh-speckled									
(40)			090			uts w/ calcite veins									
↓		136.83	150			same as abv w/ sh stringers									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
40	136.83		090			bluv vts ~ ssh w/ sh lami containing ssh lami					SD				
			100			vts					SD				
			100			MR - 450 = 137.15					148/152			-4	
			050			same as above					br				
			060			same as above					SD				
			280			vts w/ sh bands x 4 containing ssh lami									
			120			ssh w/ sh lami					br				
			140			vts w/ calcite vein					br				
			050			ssh bluv crsh					} SD				
21			150			vts w/ sh lami									
			070			grish w/ calcite vein					br				
			170			muddy ssh w/ calcite vein x 1					} SD			Box 509	
30			040			crsh								334 @ 12 in 2	
			080			ssh vts									
			120			ssh w/ faint sh lami or bluv									
	138.62		170			ssh w/ sh faint lami & calcite					br.				
29						- 455 = 138.68 -					150/153			-3	
						END of 87008									

BOX 55 ~ BOX 56

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 42 / 42

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87009**



V

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
			315	3.15		Casing									
					Box 1	10' (3.05)					0 3.05				
			330	3.30		egl. granitic & pebbles, c lams sd									
			330	3.30		Same as above									
			250	2.25		MR									
						12' (3.66)					0.36 0.61				-0.25
			070	0.07		clay, & sh mixture									
			160	1.16		v/s, bk lami, iron stain									
			050	0.05		cnsh, c lami									
44"			160	1.16		sh, pt. frag, c lami									
(46)			010	0.01		dk gn sh									
		424	030	0.03		cc									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑																
	424		0.50	} CB .10		c B										
			0.50				c B				br					
						————— 13.5 (0.24) —————										
								4.11								
			0.50	} dksh .10		dk sh					sd					
			0.50				Same as above				semi br					
			0.30	} csh .06		csh										
			0.30				csh					sd				
			0.20	} dksh .13		dk sh					sd					
			0.50				dk sh					br				
	46		0.60	} dkgrsh .06		dk sh; c lami					sd					
			0.60				dk gr sh,					sd				
		453	0.40	} ssh .34		ssh, imng lami, indoc rems,										
	↓															

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	503		030	dksh .03	Box 2	dk sh				bn						
			090	dkgrsh .09		dk gr sh					bn					
						— 17" (5.18) —						0.31 1.07				-0.26
(46)			090	dksh .09		dk sh		iron stain			semi sd					
			060	CB .19		CB CA		scaly			semi sd					
			130			CB CA		mixture, scaly			bn					
			090	dkgrsh .09		dk gr sh,		scaly			semi sd					
			110			sh		iron stain			bn					
			460	sh .67		sh		iron stain, pt frag			sd					
(38)			050			sh & dksh mixture					highly bn.					
			674	MR .60		MR						0.99 2.92				+0.07
						fault										
					— 20" (6.10) —											

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 2 of 56

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	674		050	} cgl .15		(calcite)		remain	bn						
			100				cgl. #19. very calcareous			remain	sd				
			060	} fs .06		fs.	conc	remain							
			050	} vfs .05		vfs.	conc	remain							
			340	} sh .34		sh.	clens.	pt. frag		sd					
			220	} vfs .22		vfs.	sh	lens.	crack		sd				
(38)			160	} crsh .89	Bar 3	crsh.	ssh	vogme	lami.	crack					
			150				crsh.	ssh	blun			sd			
			580			crsh				sd					
			020	} ms .02		ms									
↓	892	450	450	} crsh .45		crsh.	ssh	blun							

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 4





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
44	11.51		120	{ fs .12	Box 5	fs, bk stripe				sd					
			270	{ ssh .27		ssh, crush bands									
			270	{ vts .27		vts, crush band					"				
			150	{ fs .15		fs, bk irreg lami					"				
						— 40' (12.19) —						$\frac{1.25}{1.53}$			-0.27
			450	{ vts .45		vts, irreg lami					"				
			220	{ ssh .22		ssh, crush, vts blur					"				
41			720	{ vts .72		vts, irreg lami crush lami					"				
			100	{ ssh .56		ssh, lami					"				
							— 45' (13.72) —						$\frac{1.49}{2.53}$		
			1389	080		Same as above									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					Box 6										
(41)	1389		380	380		ssh. crush blur				"					
			180	crsh .18		crsh				"					
			170	ssh .17		ssh. irreg. lam				"					
			270	crsh .27		crsh, ssh blur, iron stain along crack				"					
			250	vfs .25		vfs irreg lam				"					
			200	ssh .20		ssh #1				"					
						— 50" (15.24) —					1.53 1.53				10.01
36			430	vfs .43		vfs. sh lam									
			230	crsh .23		crsh									
					Box 7										
	1619		190	ssh .19		ssh, sh blur									





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑			460	} grsh .94	Box 10	gr sh.	c stringers			sd					
			480			gr sh.	c lenses				sd				
			110	} crsh .11		crsh.	sh lamé			"					
			270	} dkgrsh .07		dk gr sh.	c stringers			"					
			140	} crsh .14		crsh.	dk gr sh string. lamé								
						———— 75' (22.86) ————					1.50 1.52			-0.02	
34			480	} grsh 1.20	Box 11	gr sh.	c stringers.	pt. frag.		Some sd.					
			330			gr sh.	c lens				"				
			240			Same as above					bn				
			270			gr sh.	c lense				Some sd.				
↓		2409	280			gr sh.	c stringers,	pt frag.		sd					

DRILL CORE LOG

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	2409	2430	(210)	MP .21	ROOF	MR										
							80° (24.38°)									-0.32 (-0.18)
(3A)				grsh .16			gr sh, - lenses, pt fagg.			sdm bf						
↓				dksh .05			dk sh, c stringers			sd						
↑				dkgrsh .19			dk gr sh c loms			"						
28	24.70	190														
	24.70		0.50	CB			CB			br						
			0.40	CB			CB			sd						
			0.40	CA .04			CA			br						
			(220)	MC .22		F	MC									
							82° (24.79°)									-0.08
			0.50	CA .05			CA			br						
			0.30	CB .03			CB, hd			sd						
			0.50	CA .18			CA			"						
	25.31	130					CA			sd						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
FLOOR ↑	25.31	25.34	0.30	0.03 } <sup>cc</sup>	F	cc		lit. lami	Bony		sd						
	25.34		0.20	0.08 } <sup>cd</sup>		cd		Bony				"					
			0.60	0.06 } <sup>ssh</sup>		ssh		dk gr				"					
			0.80	0.08 } <sup>cd</sup>		cd		Bony				"					
			0.90	0.09 } <sup>dksh</sup>		dk sh		"				"					
(28)	25.71	0.60	0.06 } <sup>cd</sup>	cd			Bony				"						
ROOF ↓	25.71		0.20	0.02 } <sup>ca</sup>		ca					"						
			0.30	0.03 } <sup>cc</sup>		cc					"						
			0.60	0.06 } <sup>cb</sup>		cb					"						
			1.50	0.30 } <sup>ca</sup>		ca					"						
			0.50		ca ~ cb						"						
	26.12		1.00		ca					br							

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 12

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					Box 12										
	26.12		010	csk .01		csk				sh					
			160	CA .28		CA	F lami rare			sd					
			120	CA .28		CA	F lami			sd					
(28)			210	MC .21		MC									
						———— 87' (ad. 42) ————					1.36 1.53			-0.7	
			040	CA .04	F	CA				bn					
			060	CB .06		CB				scaly					
			040	CA .04		CA	F lami			sd					
			060	CB .10		CB	~ cc			"					
			040	CB		CB		scaly		bn					
	26.86	26.92	060	dksh .06		dk sh				"					
		26.97	050	CB .05		CB				"					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	26.97		040	0.04	E	cc		scaly		br					
			060	0.06		cb					sd				
			050	0.05		ca									
			030	0.03		cb					br				
(28)			330	0.33		MC									
							90° (27.43)					0.38 0.91			-0.33
FLOOR	27.56		030	0.03		cc		Remain		br					
	27.56				FLOOR										
			060	0.06		crsh		pt frag.		sd					
			090	0.09		ssh		pt frag.		"					
			030	0.03		crsh		"		"					
			150	0.15		ssh									
					Box 13										
	28.66		030	0.33		vfs									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS				
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.					
↑	28.66		320	} crsh .35		crsh				sd									
31			230	} ssh .25		Same as above				"									
↓			250	} vfs .25		vfs, ssh blur, ssh at botm				"									
↓			180	} crsh .18		crsh				scm sh									
↓			350	} MR .35		MR													
↓			540	} crsh .54		crsh #				sd									
↓			110	} ssh .11		ssh, lami, iron stain				sd									
↓			100	} crsh .10		crsh, ssh irreg lami rare				"									
↓			3092	} vfs .13		vfs, vague irreg lami				"									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	3092		250	.35		fs, irreg. lami									
(31)			140	.14		ufs, irreg. lami									
			250	.28		gr sh									
			230			same as above									
			(170)	.17		MR									
			120	.18		gr sh									
											129 132				-0.23
	30		710	.71		sh, incl band x 1									
					Box 15										
			120	.12		crsh									
			280	.08		ssh									
			300			crsh									
				.52											
	3347		220			crsh, ish blue, ssh band at top									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	33.47		120			ssh				sd					
				ssh .25		----- 110" (93.53) -----					1.55 1.53			+0.02	
			130			ssh,	sh blue	irreg		sd					
			210	crsh .21		crsh,	ufs	irreg	bind.	patch	"				
			290	ufs .09		ufs,	iron stain	along	crack	"					
			490			crsh				"					
				crsh .55		fault	?								
			660			crsh				br					
			200	ssh .20		ssh,	ufs	blue							
					Box 16										
			270	ufs .27		ufs,	irreg	lam.							
	35'16		120	ssh .12		ssh									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑						← 115" (28.95) →					1.57 1.52			+0.05	
	35.16		180	crsh .18		crsh.	ssh	blui			sd				
			140	ufs .14		ufs.	ssh	lami			"				
			120	sh .12		sh.	ssh	weak	lami		"				
35			270	ssh .27		ssh.	sh	irreg	lami		"				
			420	crsh .53		crsh.	ssh	weak	irreg	lami	"				
			140			sh					"				
				sh .17		← 120" (30.58) →					1.38 1.53			-0.15	
			230			Same as above.					"				
			210			ufs	irreg.	lami			"				
				ufs .40	Box 17			Box 17							
(31)						Same as above.					"				
	3697		190												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	36.97		270	ssw .27		ssh	ff			sd					
↓			200	vfs .20		vfs	ssh band at middle			"					
↓			100	ssw .10		ssh	sh lamina			"					
↑			280	crsh .38		crsh	ssh plus lamina at top			"					
			240	sh .24		sh				"					
						--- 105' (28.10) ---					1.62 1.63			+0.10	
			220	crsh .22		crsh				sd					
			170	vfs .17		vfs				"					
(35)			190	ssw .19		ssh				"					
			160			crsh				"					
				crsh .20	200/8										
			240				same as above			"					
↓	3912		180	vfs .18		vfs	ssh lamina band			"					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
35	39.12		200	ssh .26		ssh	sh	lami			sd				
			270	vfs .27		vfs	ssh	lami			"				
			060	ssh .18		ssh					"				
							— 130 (39.62) —								
			120	ssh .18		ssh	sh	irreg	lami		sd				
			550				ssh		pt	frag		"			
			320	crsh .87		crsh		ssh	irreg	lami					
			210	ssh .21		ssh									
			200	vfs .37		vfs					"				
			4115	100	2019	vfs		lami	fine		"				
						— 135 (41.15) —									

RC(51)  
→

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	41.15		070			Same as above, remain				sd					
			150	crsh .15		crsh				c lami x2					
			290	ssh 3.29		ssh				ufs blun. lami					
			910	ufs .91		ufs				sh irreg lami					
			120			ssh				sh lami					
				ssh .22						140 (42.57)	1.54 1.82				+0.02
			100			ssh				sh blun. lami					
↓			220			sh				ssh vague lami					
				sh 34	30x20										
			120			Same as above									
			280	ufs .08		ufs									
↓	4134.8		270			sh				ssh blun. vague lami rare					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	43.48		720	sh 1.22		sh, c lenses, pt frag.				sd.					
						———— 145' (144.20') ————					1.51 1.53				-0.02
			230			Same as above				"					
			280	ssh .38		ssh, irreg lami, c lenses				"					
			270	sh .27		sh, ish vague irreg. lami, c lenses				"					
(32)					Band 11										
			100	ssh .10		ssh, sh irreg. lami				"					
			140	sh .14		sh, ish blue									
			110	ssh .11		ssh				sd.					
			170			ufs, c lenses									
						———— 153' (152.72') ————					1.42 1.53				-0.10
	4587		250	ufs .14		ufs, ssh lami									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
*	45.87		400	ssw .40		ssh	ifs band, pt fossils			sd					
			100	sw .10		sh	c lenses			"					
			060	ssw .06		ssh				"					
			270			crsh	c lenses			"					
			050				Same as above			br					
				crsh 1.30	Box 22										
						— 156" (47.24') —					$\frac{1.53}{1.52}$			+0.01	
			580			crsh	c lenses pt. frag			"					
			500	ssw .38		ssh	sh lam rare			"					
			12 400			crsh	ssh blur pt fossils			"					
	4869		100	crsh .70		crsh	ssh blur			"					
						— 160 (48.77') —					$\frac{1.54}{1.53}$			+0.01	

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 23 of 56

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	48.69		120	↑		crsh.	ssh	irreg.	lami	"					
			250	} ssw .25		ssh.	sh	irreg	lami (clump)	SD					
			270			crsh.	ssh.	blur		"					
				} crsh .40	20023										
			330			crsh.	ssh	lense	irreg.	lami	SD				
			120	} ssw .12		ssh.	ifs.	blur		"					
34			260	} vfs .26		vfs.	sh	lami (x.)		"					
↓			300	} ssw .30		ssh.	ifs	blur.	lami	"					
↑			230			vfs.	sh	lami		"					
				} vfs .77		———— 165' (50.29) ————					1.53 1.52		+0.01		
35			690			vfs	bk	lami		"					
			120	} ssw .12		ssh.	sh	lami		"					
↓		5115'	120	} vfs .12		vfs.	sh	lami		"					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	51.15		280		Box 24	ssh				sd						
				ssw .13												
			250				Same as above				"					
33			270	vfs .27			vfs, sh lami				"					
↑			160	crsh .16			crsh, ssh blur				"					
												1.49 1.53				-0.04
			960	vfs .96			vfs, sh fine irreg lami, ssh bands				"					
33			280	ssw .28			ssh, sh lami; vfa. blur lami				"					
			290				vfa, sh irreg. lami, calcite vein				"					
				vfs .42		Box 25						1.53 1.52				+0.01
			130				Same as above									
↓	5352		150	ssw .15			ssh, sh lami; c lami, calcite vein									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 25

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
36	53.52		200	crsh .20		crsh.	ssh	lami	calc. v.	sd.					
			270	ssh .07		ssh.	vfs.	blk	lami	calc. v.	"				
			200	vfs .73		vfs	ssh	lami		"					
			530				vfs	irreg.	lami		"				
			100	crsh .10		crsh.	ssh	lami		"					
			290	vfs .09		vfs.	sh	lami		"					
			110	ssh .23		ssh				"					
							180' (54.86')					$\frac{1.58}{1.52}$		+D.06	
			120			ssh.	vfs.	blk.	lami	sd					
			350	vfs .35		vfs.	ssh	lami		"					
34	5541		120	ssh .12		ssh	ll	crsh							
					Box 26										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
34	55.41		260	vfs .36											
			250	ssh .35											
37			290												
				crsh .44											
			150												
			190	ssh .19											
			280	crsh .08											
			230	ssh .23											
			470												
				crsh .50											
			230												
			5778	vfs .22											

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	57.78		080	0.08	20028	ssh. crush limi										
						— 190' (57.9') —					1.45 1.52				-0.07	
			090	0.09		crsh										
			700	0.70		ufs, irreg limi sh bands at middle										
			080	0.08		ssh. sh <del>limi</del> band										
			330			fs, weak limi, calcite vein										
37			050			fs, bk limi rare										
				0.90		— 795' (242.4') —					1.55 1.53				+0.02	
			020			fs, weak limi, calcite vein										
			090	0.09		sh										
↓	6022		1500	1.50	ms											

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	60.22		040			gr sh.	medium	lami							
							200' (60.96)			1.45 1.52				-0.07	
			110			Same as above									
			090			dk gr sh									
	61.08		020			dk sh. (dkgrsh)		fine stringers							
	61.08		050			CA				sd.					
			020			CA				bn.					
							202' (61.57)			0.39 0.61				-0.32	
			220			MC									
			140			CB w/ vit band				semi sd					
			070			CB (F11 vit)									
	61.56		020			CB		w/ vit lami		sd					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 29



N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	61.56		120			CB (acc)	hd.								
			220		Box 29	cc.	Bony. sh/vit stringers			semi sd					
							204' (23.10')				0.33 0.41				-0.08
	6193		230			CA									
FLOOR	33 6193		220			dk sh.	c stringers			sd					
	6210		150			dk gr sh.	c stringers								
ROOF	62.10		290		6	CA	F lam (ool) at btm			sd					
			120			CA	vit lam			sd					
			280			CA	(SA)			"					
			220			CB				br					
	6245		040			CA				br					
	62.49		040			MC									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 30

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	62.49		170	CA .17	G	CA (SA) F	semi	*	2	sd					
			060	CB .06		CB (CA)	hd.				br				
			070	CA .08		CA					SRMI sd				
			010			CA (SA)									
			010	CC .01		CC	F								
(33)			030	CA .15		CA (SA)					sd.				
			050			CA									
			030			CA (SA)									
			040	CA .05		CA									
			050			CB						br			
			050	CA .05		CA					br				
			030	CD .03		CD (F)					br				
↓	6312		030	dkgrsh .03		dk-grsh	CA	semi			sd				

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
FLOOR	63.12	63.23	110	CA .11		CA									
	↑ 63.23		080	SSW .27	Bar 30	ssh. & lam. pt frag.									
			090			————— 209' (63.7°) —————					1.57 1.62			+0.05	
			090			Same as above									
		63.65	050	CRSH .05 MC .30		Cush. (crush) pt frag.									
ROOF	63.65		300				MC								
			020			CA									
			070	CA .21	G	CA (SA)									
			050			CA									
			070			CA									
			020	CB .02		CB (CA // CC CR)									
			070		CA										
		64.34	090			CA									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	64.34		0.50	CA ↑ .30	G	CA	.	.	.	br					
			0.90			CA	.	.	.	.	sd				
	64.48	64.51	0.30	dkgrsh .03		dkgrsh	.	.	.	.					
			0.30	CB .03		CB	.	.	.	.					
			0.30	CA .03		CA	.	.	.	.	sd				
(32)			0.20	CSH .02		ash	.	.	.	.					
			0.40	CB .04		CB	.	.	.	.					
			0.40	CA .04		CA	.	.	.	.					
			0.90	MC .09		MC	.	.	.	.					
			0.50	CA .12		CA	scaly	.	.	.	scaly sd				
			0.70			CA	.	.	.	.	sd				
	64.88		0.20	dkgrsh .02		dkgrsh	.	.	.	.	sd				
			0.30	CA .03		CA	.	.	.	.					
↓	64.96		0.30	dkgrsh .03		dkgrsh	scaly	.	.	.	st				

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 23

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	64.96		050	} CA .13	6	CA				sd					
			080			CA, pulverized					br				
			010			} CB .01	CB				br				
							← 214° (65.23°) →								
FLOOR		65.20	700	} MC .10		MC									
	65.20		070			} dkgrsh .07	dkgrsh								
			090	} ssh .09			ssh, sh micr. lami. pt fossil					st			
			080				} dkgrsh .08	dkgrsh, c lens					st		
32°	65.76		020	} crsh .32		crsh, ash blue									
					2-31										
			160	} sh .16	sh, c lens										
			160		} crsh .16	crsh, ash vague lami									
		66.25	170	} ssh .17		ssh, lami					st				
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
32	66.25		140	} orsh .14												
33			360	} sh .44												
			280	} sh .44												
			370	} sh .49												
32			120	} sh .49												
			110	} ssh .11												
			260	} vfs .26												
			180	} fs .59												
				} fs .59	Box 22											
		68.28	410	} fs .59												
				} fs .59												
				} fs .59												

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 25

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
32 ↓ ↑	68.28		370	} vfs 1.15														
			780															
				070		} ssh .35												
				280														
				090														
						070	} vfs .40											
					20 x 33													
			340															
			140	} ssh .14														
			020															
				} sh 1.14														
34	71.46	920																

1.59  
1.67

-0.08

R(4)  
→

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						————— 235' (71.83) —————					1.59 1.53			+0.06	
↑	71.46		0.40	dkgrsh .04		dk gr sh, c stringers									
			0.50	sh .35		sh, c lamsis									
			0.90	dkgrsh .09		dk gr sh, c stringers									
			0.90	sh		sh									
				sh .46	Bar 34										
50			3.70	sh		sh, crack lam									
			1.30	dkgrsh .13		dk gr sh, c lam									
			(300)	MR .30		MR									
			1.00	sh .10		sh									
						————— 240' (73.15) —————					1.11 1.52		-0.35		
↑			2.20	vfs .22		vfs, ssh, inneg lam									
			2.50	ssh .25		ssh, inneg lam, vfs band at middle!									
(29)				crsh .35		crsh, ssh lam, deep sh band at bot									

4cm

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 37 of 56



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	73.75		100	ssh .10	Box 35	ssh				sd					
			270	crsh .27		crsh. ssh lens.					"				
			190	ufs .19		ufs. ssh lami					"				
			110			ssh.					"				
			090	ssh .48		Same as above					"				
						— 245" (74.58') —						1.58 1.53			+0.05
			270			ssh. sh vague lami					"				
	28		320	crsh .32		crsh. sh lami c lens					"				
			580	sh .58		sh. c lenses					"				
		7607	380	ssh .38		ssh. ufs bands					"				
↓				— 250" (76.20') —						1.56 1.52			+0.04		

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d, d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	76.07		220	crsh .22	B-x-36	crsh.	ssh	blue	.	sd					
			270	vfs .27		vfs.	ssh	lami	.	.	"				
			310	ssh .31		ssh.	sh	lami	vfs	band	"				
			180	vfs .18		vfs	ssh	irreg.	lami	.	"				
			140	ssh .14		ssh.	sh	irreg.	lami	.	"				
			190	crsh .19		crsh	.	.	.	.	"				
			090	ssh .09		ssh.	sh	blue	.	.	"				
			180			crsh,	ssh	patch	.	.	"				
				crsh .70		— 256" (77.72) —									10.06
			520			crsh	.	.	.	.	"				
			160	vfs .16		vfs.	irreg.	lami	.	.	"				
↓	7852		190	ssh .19		ssh.	vfs	band	.	.	"				

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 29 of 56

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
	78.52		170		B-37	ufs			ssb	irreg	lami						
				vfs .25													
			000														
(28)			100	ssh .18													
			040														
				crsh .49													
			200														
			100	ssh .10													
			230	vfs .23													
			150	ssh .15													
			170	crsh .17													
			200	sh .08													

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 40



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	82.95		280	fs .28		fs	ssh	band							
			170	ms .17		ms									
			450			ms									
				vfs .66											
			210												
31			230	ssh .23		ssh	sh	lani							
			420	vfs .42		vfs	sh	lani							
			160			crsh	ssh	lani							
				crsh .64	Box 401										
(34)	85.35		480			crsh	ssh	ragged	lani						



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑					J											
	88.27		0.60			CA					Scrin br					
			0.60	CA .21		CA					br					
			0.90			CA					Scrin br					
			0.20	CC .02		CC					'r					
			0.20	CB .02		CB					br					
			0.90			CA					sd					
(32)			0.60	CA .35		CA					sd					
			0.30	CB .03		CB										
						Box 42										
			0.30	CA .03		CA										
			0.30	CD .03		CD					sd					
	88.97		0.10	CA .01	CA											
↓																





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	90.25		0.20	CC .02		CC									
			0.30	CA .03		CA	(SA)			SA					
			0.50	CB .05		CB	~ CA								
			0.50	CA .05		CA									
			0.40	CB .04		CB									
(32)			0.20	CC .02	J	CC	CF1								
			0.20	CA .02		CA									
			0.10	CC .01		CC				SD					
	90.49	90.52	0.30	CSH .03		CSH	(F)								
			0.10	CA .01		CA									
			0.40	CB .10		CB									
			0.60	CB .10		CB	scale film								
↓	90.70		0.70	CA		CA				SA					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 46

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
32	90.70		080	CA .15	32	CA ~ CB												
			040	CB .04		CB												
			100	CA .14		CA												
			040	CA		CA												
			030	CC .03		CC												
			060	CA		CA												
			070	CA .13		CA												
			040	CD .04		CD												
			070	CB .07		CB ~ CC												
		91.31		080		CA ~ CB												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	91.31		110	CA .26		CA ~ CB				sd					
			070			CA									
			100	CB .10		CB									
			020	CC .02		CC (F)				sd					
(32)			040			CA									
			030	CA .34		CA (SA)									
			020			CA - F. fine lami, calc. film				sd					
			050			CA									
			040	CB .04		CB				sd					
			090	CC .09		CC									
			040			CA									
	9224		100			CA									

B.C. N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	92	24	180	CA .34	J	CA											
			020	CB .02		CB					sd						
			060	CA .20		CA											
			110			CA (SA)						sd					
	(32)		030			CA						sd					
			030	CB .03		CB						sd					
			140			CA						sd					
			070	CA .24		CA											
			030			CA											
			030	CC .03		CC ~ CB						sd					
			110			CA											
			93	050			CA										

304.5 (92.31)

156  
127

-0.11



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
✓	94.22		0.25	dkgrsh .64		dkgrsh									
			0.20	grsh .28		gr sh		pt frag							
			0.13	dkgrsh .13		dkgr sh									
	95.08		0.90	MR .09		MR									
	95.28		2.00	MC .20		MC (fin ash)		1/3" (95.40")			0.17 0.91				-0.14
			0.30	MR .03		MR									
	95.40		0.90	dkgrsh .09		dkgr sh									
ROOF					Roof										
	95.40		0.10	CB .01		CB									
			0.50	CA .05		CA									
					Box 45										
			4.60	MC .46		MC		3/5" (96.01")			0.15 0.91				-0.26
			0.10	CA .12		CA									
			0.30	CB .03		CB									
FLOOR	96.62		5.50	MC .55		MC									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 5/

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
			<del>115</del>												
	9662		050	crsh .05		crsh.	pt frag.	ind. void	sd						
			(100)	MR .10		MR	3/8" (96.9%)			0.2 0.72				-0.72	
			120	ssh .12		ssh									
			070	sh .07		sh	pt. frag		sd						
			060	ssh .06		ssh									
			060	crsh .36		crsh.	ssh blue	pt frag							
			110			ufs.									
				ufs .24			3/32" (97.5%)			0.15 0.61				+0.11	
			130			ufs.	crsh band at top		sd						
56			070	sh .07		sh	pt frag		sd						
			170	ssh .17		ssh.	ufs band,	sh lens at bot							
	9815		090	ufs .29		ufs.	lens.								

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 52

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
36	98.45		0.60	dkgrsh .06	20x26	dk gr csh	c	lami								
			0.50	ssh .25		ssh,	inng,	lami								
			0.40	crsh .24		crsh,	ssh	blin	lami							
			0.50	vfs .45		vfs,	inng	lami								
			1.00			Same as above										
			0.40	dkgrsh .24		dk gr sh,	c	lami,	ssh	5cm band						
			1.60	ssh .16		ssh	vifs,	bk	lami							
38			2.00	crsh .20		crsh,	ssh	lami								
			0.20	sh .32		sh,	c	lami								
	100.27		0.00	dkgrsh .20		dk gr sh,	c	lami								

$\frac{1.56}{1.52}$

+0.04



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
ROOF	100.27	100.29	020	0.02	ROOF	csk											
	100.29		040	0.04		cc, dk gr sh Jami											
			040	0.06		CA											
			020			CA					br						
				Box 47													
(38)			570	0.57	MC												
			110	0.27	CA					Some sd							
		040	CA							br							
			120	0.24	CA												
		101.27	040		CB					br							
FLOOR	101.27		140	0.14	dk gr sh												
			010	0.01	CA												
	101.55		130	0.13	dk gr sh												

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 54

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	101.55		0.20	CA S.02		CA				br					
			0.50	dkgrsh S.05		dkgrsh				sd					
		101.68	0.60	CA S.06	FLOOR	CA,	pulverized			br					
			0.50	dkgrsh S.05		dkgrsh,	c lenses			sd					
			0.40	MR S.04		MR									
							334' (101.80)				$\frac{0.21}{1.22}$				-0.45
			0.50	MC S.05		MC									
			0.70	dkgrsh S.17		dkgrsh,	c lenses			semi sd					
		102.07	0.80	MC S.08		MC									
							335' (102.11)				$\frac{0.17}{0.31}$				-0.14
			0.40	dkgrsh S.09		dkgrsh	c lamini			br					
	102.15		0.40	grsh S.34		grsh,	c lens & stringer			sd					
							ssh thin thick band at top								
			0.20	vfs S.18		vfs	bk vague lam								
		102.84	0.10	crsh S.21		crsh,	ssh bands (1cm), c lenses			sd					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Box 48											
35	102.84		400	fs .40												
			330	dkgrsh .33		fs. Cash band at top & btm . sd calc. vein x 1										
						dkgr sh . Bony . sh blue at btm sd										
						————— 340" (103.63) —————							1.50 1.52			-0.02
			110	ssh .11		ssh . . . . . sd										
			180	dkgrsh .18		dkgr sh (Cash) Bony . . . . . "										
			90	ssh .09		ssh . . . . . "										
			170			dkgr sh (Cash) Bony . . . . . br										
						————— 345" (104.24) —————								0.35 0.41		-0.06
			670	dkgrsh 1.79		dkgr sh (Cash) Bony, calc vein sd										
					Box 49											
56	105.14		350			dkgr sh, sh blue disconts lami . sd										
						————— 345" (105.16) —————							1.02 0.92		+0.10	

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87010**

QHD 87010

by Geo Katizaki, Aug 187

87010

F Seam

P 14 ~ 15

Box 22

G Seam

P 28 ~ 30

Box 42 ~ 44

J Seam

P 37 ~ 39

K1 (K1)

P 39 ~ 41

K2

P 43 ~ 43

87010

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BHD 87010 Aug. 25, 1987, 10.40 <sup>AM</sup>									
					0/6	BOX 1									
						Depth 10' = 3.05.									
P 35	3.034		690	MS 1.69		(faint) ms w/ some limi									
P 36			760			panics abv									
				ms 1.96		15 = 4.57					145 152			-7	
			200			ms									
			100	CS 1.10		Crs. ~ small pebbles									
			400	MS 1.40		ms #									
			700			BOX 2									
						# fs, rusty									
			230	fs 1.37		# fs									
						-20 = 6.10 -					162 153			+10	
			440			# fs w/ calcite vein rare					br. SL, SD				
			470			# ms									
			250			ms ~ crsh w/ small pebbles in lowest SD									
				ms 1.99											
43			270			BOX 3									
						# ms									
43 P			130			# fs									
				fs 1.41		-25 = 7.62 -					156 152			+4	
			7.96	280		# fs ~ ms									

Box 1 ~ Box

# DRILL CORE LOG

120  
47

12  
44  
44  
46



Quintette Coal Limited

HOLE No. 87010

PAGE No. 1

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
43	7.96		320	ms .32		# ms w/ faint laminae									
30			200	fs .20		fs w/ dk sh laminae, calcite vein									
33			220	ms .22		ms w/ calcite									
			470	fs .47		fs ~ ms w/ calcite			SD						core switch ?
						SD = 9.14				149					-3
			210			# ms									
				ms .44		BOX 4									
			220		44	# ms									
			220	cs .22	44	cr. ss			SD						
			210		44	# ms									
			090		46	# ms w/ calcite			br						
			670	ms 1.37		# ms			SD						
						-35 = 10.67				163					+10
			400			ms w/ calcite			SL, SD						
30			250			fs w/ cr. ss. band x 3			SD						
						BOX 5									
			610			fs w/ e sh stringers very rare, c-lens									
			130	fs 1.03		fs w/ cr. ss, c-lensae, sl. dirty									
			1223	040		fs w/ cr. ss, small pebbles									
						40 = 12.19				143					-9

BOX 3 ~ BOX 5

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 870010

PAGE No. 2



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	12.23		150	cgl .15	281	small pebble cgl					SD				
③①			200	fs .59		fs w/ c. stringers						SD			
			300			fs w/ cr. lami.									
↓			090			same as abv									
↑			090	cgl .09		rice cgl w/c. stringers irreg					SD				
37P			070	fs .07		fs									
			480	cs .48		cr. ss.									
						Box 6									
			170	ms .17		ms ~ cr. ss.					SD				
						- 45 = 13.72						155 153		+2	
			450	cs .71	cr. ss.					?? ??					
			260		same as abv.										
			420	cgl .42	# small rice cgl					SD					
			150		# cr. ss.										
					# cr. ss.					SD					
			230	cs .42	- 50 = 15.24						151 152		-1		
			040		# cr. ss.										
			380		# rice cgl										
				cgl .58	Box 7										
↓			200		same as abv										
④②	16.06		150	fs .15	fs w/ rice cgl										

Box 5 ~ Box 1

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 3

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	16.06		690	ssh .69		ssh w/ vfs w/ sh lami									
			120	vfs .12		vts w/ sh faint lami									
			120	crsh .48		crsh rusty									
42			070			crsh w/ sh stringer									
			290			crsh - ssh w/ vts irr. stringer rare									
↓						65 - 19.81					206 152			+54	
↑					BOX 9	crsh									
44P			030	crsh .03		ssh w/ sh faint lami									
↑			220	ssh .22		vts									
			150	vfs .15		ssh w/ sh lami									
			150			ssh ~ vts w/ sh lami, cr. ss. band x1									
			110	ssh .52		ssh w/ vts lami									
			060				same as abv								
37P			200	fs .10		slig. dirty fs w/ faint lami									
			100				vts - ssh w/ sh faint lami								
			220	vfs .22		crsh									
			170			same as abv.									
			120	crsh .54		70 = 21.33					153 152			+1	
↓		1912	250			same as abv.									

Box 9 ~ Box 9



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 5

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	19.13		120	cgl .12				small rice cgl r. cr. ss							
(37)			230	fs .43				fs w/ c-lens							
			200					fs							
			050	cgl .05				rice cgl							
			070					fs w/ dk stringers rare							
			170					fs w/ m.s. w/ c-lens, small pebble							
								-55 = 16.76							
			200					fs w/ dk lami							
			400	fs 1.07				dirty fs w/ dk lami, c-lens							
			170					fs w/ dk lami & lens, c-lami, dirty							
↓			060					fs w/ dk sh lami							
↑			080					#gr sh rusty							
								BOX 8							
			102	grsh .55				gr sh rusty							
			250					grsh							
			120					grsh w/ ssh lami rare							
								60 = 18.29							
			215B	ssh .41				ssh to v fs w/ sh lami							
←43°															

Box 7 ~ Box 8

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87010

PAGE No. 4

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
43	21.56	21.76	200			ssh w/ sh faint lamina									
42			100			crsh w/ sh lamina									
				crsh .27		BOX 10									
			170			crsh w/ ssh at irregular nodes									
			120	ssh .17		ssh w/ up lamina nodes									
			030	fs .03		rusty fs									
	22.18					E									
ROOF	22.18		110	CA .11		CA									
			240	MC .24		MC 74 = 22.55 -					94 152				-28
			050	CA .05		CA									
			020	CC .02		CC									
			090			CA ~ CB									
			050	CA .14		rusty CA									
FLOOR	22.77		030	CB .03		rusty CB									
	22.77		030	CD .03		CD									
			040	dksh .04		dk sh									
			040	ssh .04		ssh									
	22.90		020	dksh .02		dk sh									
ROOF			030	CC .03		scaly cc									
	22.95		020	CB .02		CB									

DRILL CORE LOG

BOX 9 ~ 10

Ep



Quintette Coal Limited

HOLE No. 87010

PAGE No. 8

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	22.95		010	MC .01	1133	MC	76 = 23.16				42 61			-19	
			160			CA ~ CB				SD					
			050	CA		CA				br					
			040	.32		CA				br					
			070			CA				SD					
(29)			020	CB .02		CB w/ calcite film, scaly				SLSD					
		23.40	100	CA .10		CA w/ calcite				SLSD					
FLOOR						1134									
ROOF	23.40	23.76	360	grsh .36			grsh			SD					
	23.76		010	CA .01			CA								
			030	cc .03			cc scaly			SD					
			100	dkgrsh .10		dk grsh w/ clami			SD						
			040	CB .04		CB			SD br						
			010	CA .01		CA			br						
FLOOR		24.03	080	MC .08		MC	79 = 24.08				99 92			+7	
			090	dksh .04		BOX II									
			030	dkgrsh .03		dk sh (dkgrsh w/ clami)			SL SD						
			060	MR		dk grsh w/ clami			br						
			030	dkgrsh .03		MR dk grsh			SD						
			150	grsh .15		grsh			} SD						
			150	ssh .15		ssh w/ sh lamina									
			130	crsh .13		crsh									
28			600	grsh .60		grsh			} SD						
		25.89	120			crsh									

DRILL CORE LOG

BOX II



Quintette Coal Limited

HOLE No. 27010

PAGE No. 7

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	25.39		070	↑ crsh .19		crsh									
			120	ssh .12		blwr ssh									
						84.5 = 25.76					149 168				-19
			120	vfs .12		vfs w/ sh faint lamina									
			2.90	fs .29		# fs									
						Box 12									
			430	ssh .43		# blwr ssh w/ vts big lens									
			280	crsh .28		# crsh ~ grsh									
			030	ssh .03		# blwr ssh									
(28)			170	vfs .17		blwr vts									
			060	crsh .06		crsh									
			050	ssh .05		blwr ssh									
						# 89.5 = 27.28					143 152				-9
			100	grsh .10		grsh									
			160			blwr ssh									
			110	ssh .77		ssh ~ crsh									
			500			blwr ssh									
			130	crsh .23		# crsh									
			100			crsh									br.
						Box 13 = 2.12									
			320	grsh .32		grsh									core switch
↓	28.55		120	ssh .12		ssh									

Box 11 ~

DRILL CORE LOG



HOLE No. 87010  
PAGE No. 8

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS							
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.								
↑ (28)	28.55		D30	}		grsh	94.5 = 28.80			} SD #	157 152			+5								
															grsh							
															bluv ssh							
↓			060	}		crsh				} SD #				core switch								
															ssh							
															crsh							
↓			050	}		crsh																
															ssh							
															crsh							
↑			150	}		bluv vts				} SD #												
															vts							
															ssh							
↓			120	}		bluv ssh																
															ssh							
															bluv ssh							
↓			270	}		bluv ssh																
															ssh							
															bluv ssh ~ vts							
↓			200	}		bluv ssh																
															ssh							
															bluv ssh ~ vts							
↑ (35)			310	}		vts w/ sh conc lamina																
															vts							
															crsh							
↓			380	}		bluv crsh ~ ssh																
															vts							
															crsh							
↓			170	}		vts w/ sh faint conc lamina				} SD												
															vts							
															ssh							
↓			230	}		ssh w/ sh faint conc lamina																
															ssh							
															vts							
↓			200	}		vts w/ sh faint conc lamina																
															vts							
															ssh							
↓			100	}		ssh ~ vts w/ sh faint conc lamina																
															ssh							
															ssh							
↓			500	}		sh bluv ssh																
															ssh							
															ssh							
↓	3165'		220	↓		fs w/ faint lamina, rusty																

Exp. { 42.11.67  
48

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
32	31.65		120	fs .50	380	fs, rusty					}				
↓			160	ssh .17		fs w/ sh faint laminae						}			
↓			170	vfs .24		blurr s/sh w/ crsh irr. laminae							}		
↑			240			vts w/ sh faint laminae irr, calate vein									
38					380	Box 15					}				
↑			120	fs .12		fs w/ sh faint laminae <sup>wavy</sup> rare						}			
↑			260	vfs .26		vts ~ s/sh w/ sh laminae							}		
↑			120	fs .12		fs w/ sh laminae						}			
↑			260			vts w/ sh laminae + alt III, rusty lower part							}		
↓			190			same as above.						}			
38			190	vfs .92	same as above					}					
↓			180		dirty vts w/ fs bands, dk stringers						}				
↓			100		vts w/ sh faint laminae					}					
↑			400	fs .46	fs w/ sh faint stringers						}				
37			240	vfs .24	vts ~ s/sh w/ sh laminae inside										
					380	Box 16					}				
↓			050	ssh .05		ssh w/ sh laminae						}			
↑			300	fs .36		fs ~ vts w/ sh laminae							}		
(38)	3486		110	vfs .11		vts w/ sh laminae						}			
↓					115 = 35.05					}					

Box 14 ~ 16

DRILL CORE LOG



HOLE No. 8701A  
PAGE No. 10



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
38	34.86		150	fs	22	fs w/ sh faint laminae rare					SD				
↓			100	.25		same as abn									
37			180	vfs .18		vfs w/ sh laminae									
			440	fs .44		fs w/ sh faint laminae									
38			550	fs .55		same as abn									
52 P			180	fs .18		fs w/ sh faint laminae, weakly, rusty									
						Box 17									
						120 = 36.57 (Box East)									
50 P			190	fs .20		some ab abn rusty						160 152			FB
			010			calcite									
					↓ 堆積吐										
			140	vfs .14	dirty vfs ~ fs w/ sh stringers, drag					SD					
			390	fs 1.01	fs w/ sh faint laminae, many calcite veins in middle										
			620		fs w/ sh faint laminae										
			050	fs .05	fs, rusty										
↓			170	vfs .17	vfs w/ sh laminae					SD					
↑			040	ssh .04	ssh										
					- 125 = 38.10					161 153			FB		
			100	crsh .10	crsh w/ ssh stringers										
			320	sh .32	sh // ssh					SD					
37	3854		050	grsh .05	grsh w/ ssh laminae										

Box 16 ~ Box 17



Quintette Coal Limited

HOLE No. 87010

PAGE No. 11





B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	46.02		440	grsh .44											
60			270	dkgrsh .27				grsh w/plants dk gr sh w/ big c-lenses <sup>2cm</sup> x 3 } SD						152 - 144 = 8	
			020	CA S.02				CA (coal lens)							
			300					dk grsh w/c lenses } SD							
			220	dkgrsh .93				dk grsh w/c lenses; calcite veins } SD							
			110					dk grsh } br							
			300					dk grsh w/c lenses } SD							
			470												
			100					dk grsh w/c lenses } br							
			080	dkgrsh .18				(dk sb) dk grsh w/c lenses or // } SD							
			4809	MR .23				MR } br							
ROOF	48.09		050	CB .05				CB (030 ~ 010) } br							
			250	MC .25				MC } SD							
			070	CB .12				dull CB } SD							
			050					dull CB } SD							
			070	CC .07				dull CC } SD							
			730	MC .73				MC } SD							
								160 = 48.77 <sup>OK</sup>							
FLOOR	49.40		090	CC .09				dull CC } SD							

Box 2 /

DRILL CORE LOG



HOLE No. 87010

PAGE No. 14

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	49.40		020			Bony Crsh									
35			100	crsh .49		Crsh } plants									
			170			Crsh } SD								152 - 1.02 = Δ 0.50	
	49.89		200			97? brownish Crsh ~ ssh									
						Box 23									
			100			brownish <sup>gr</sup> ssh # 00? } SD									
	50.33		340			ssh ~ (uts) # } SD									
						----- 165 = 50.29 -----					102			(-50)	
			270	ssh .76		brownish # ssh SD					152				
			050			same as abn					#				
			120	crsh .12		crsh									
			350	grsh .35		br gr sh , crumble									
			130	crsh .13		crsh ssh , st. crumble									
↓			470	ssh .47		ssh #									
↑	51.77		050			gr sh									
						----- 170 = 51.81 -----					144			-8	
(42)	51.93		160	grsh .68		gr sh					752				

DRILL CORE LOG

BOX 22 ~ BOX 23



Quintette Coal Limited

HOLE No. 87010

PAGE No. 15

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						<b>Box 24</b>									
↑	51.93		200	↑		SL. dk, grsh w/ plants, c lenses					}				
			190			same as abv									
			080			grsh w/ crsh; swamping									
42			090	SSH .09		ssh									
↑			140			grsh w/ ssh ~ crsh band									
			400	grsh 1.39		grsh w/ crsh swamp					SD				
			250			same as abv									
						175 = 53.34					51 153			-2	
39			600			grsh w/ crsh; swamp; ssh band containing sh									
			080	crsh .08		crsh									
			040			grsh					SD				
						<b>Box 25</b>									
			050			grsh									
			650	grsh .95		grsh ~ crsh w/ ssh swamp									
			060			grsh									
						180 = 54.86					148 152			-4	
			150			grsh									
			350	crsh .35		crsh									
↑			100			grsh w/ crsh band									
35	5541		050	grsh .40		grsh w/ big c lenses									

Box 24 ~ 26

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. 87010

PAGE No. 15

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
35	55.41		250	↑											
			080	crsh .08											
			140	ssh .14											
33			240	vfs .24											
			300			BOX 26									
						(vts) - fs w/ faint laminae									
			010	fs .68											
			370												
31			150	vfs .15											
			100	ssh .10											
			030	crsh .03											
			330	grsh .33											
			110	ssh .11											
			080	vfs .08											
			150	fs .15											
			100	ssh .10											
34	58.15		300	vfs .30											

BOX 25 ~ BOX 26

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d, o, b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
41	P58.15		520	vfs .52		Box 27 vfs w/ ssh band containing sh cur. lami.									
↑			190	grsh .49		(Crsh) ~ grsh w/ fs containing sh strings (43)									
46			300	crsh .18		same as abv									
↓			180			Crsh w/ sh lami									
			195 = 59.43								159 152	SD		+7	
			180	ssh .28		ssh w/ sh lami									
↓			100			same as abv									
↑			280	grsh .28		grsh									
34-36			040	dkgrsh .04		dkgrsh w/ calcite thin vein									
↓			100	vfs .10		dirty vts									
			330	fs .33		fs #									
						Box 28									
			400	vfs .40		bluv vts w/ sh irr. lami									
			100			bluv ssh									
			200 = 60.96	ssh .42							SD 153 153				
↓			100			bluv ssh									
			220			bluv ssh w/ sh swamp									
53	6144		250	vfs .25		bluv vts w/ sh irr. lami									

DRILL CORE LOG

Box 27-28



HOLE No. 52010  
PAGE No. 18



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	61.44		270	} fs .66											
			390												
		62.1													
53			330	} vfs .33											
↓															
↑			150	} sh .15											
			150												
50			270	} vfs .78											
↓			360												
↑			170	} ssh .17											
			170												
189			230	} vfs .40											
			050												
			050	} grsh .15											
			050												
			140	} ssh .14											
		64.32	150	} crsh .10											
↓															

PL 35

Box 28 ~ Box 29



DRILL CORE LOG

HOLE No. 87010  
PAGE No. 19

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(68)						BOX 30									
↓	64.32		100	grsh .10											
↑			130	ssh .13											
			100	vfs .10											
			130												
				crsh .23											
			100												
			090												
				ssh .17											
72			100												
			130	grsh .13											
			(130)	MR .13											
			200	vfs .20											
↓			050	ssh .05											
↑			150												
				grsh .27											
52			120												
↑			180	ssh .18											
508			350	vfs .35											
				crsh .10											
			290	ssh .29											
↓	66.85		100	crsh .10											

BOX 30 ~ 31

DRILL CORE LOG



HOLE No. 87010  
PAGE No. 20

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
50	66.85		210	grsh .21		grsh				SD				core 稳定	
44			430	ssh .43		ssh w/ sh 2-5 band				SD					
60			320			vfs w/ sh faint laminae									
			090	vfs .46		Same as abv									
			050			223.5 = 68.12					154 152			+2	
						Same as abv				SD	hml mm			No loss!	
59			200	sh .20		sh w/ sht vts									
			130	crsh .13		crsh w/ sh laminae									
			230			grsh									
				grsh .29		BOX 32									
			060			grsh									
			230	crsh .23		crsh w/ sh laminae rare									
			170	ssh .17		hd ssh w/ sh curv. laminae				SD					
53			260			crsh w/ ssh band, laminae rare									
			060	crsh .32											
						Same as abv									
			150	ssh .15		ssh									
						228.5 = 69.65					154 153			+1	
			440			crsh #									
			100	crsh .91		crsh w/ ssh #									
			370			crsh #									

R(74)  
↓

BOX 31 = 32

DRILL CORE LOG



HOLE No. 87010  
PAGE No. 21

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
42	70.35		0.80	grsh .08												
			2.00			crsh w/ sh lami					SD					
			2.60	crsh .56		BOX 33										
			1.00			# crsh ~ ssh										
			0.80			crsh III ssh										
						bluv ssh					SD		163			
						- 233.5 = 71.47 -							152			+11
			2.70	ssh .46		bluv ssh							↑ 45.1 (2)			
			1.10			same as abv										
46			3.50	vfs .35												
			2.50		vfs w/ sh cross, cur. lami											
					bluv ssh w/ vts band containing crsh											
				ssh .33	cur. lami											
			0.80		same as abv											
			2.60	vfs .26	bluv vts w/ faint cur. lami											
			1.30	crsh .13	crsh III ssh											
			1.50		bluv ssh w/ vts irr. lenses rare											
					239 = 72.85								160			
				ssh .40									168			-8
			2.50		BOX 34											
					bluv ssh w/ crsh cur. lami											
48	73.37		4.50	vfs .45												
					bluv vts ~ ssh w/ crsh lami, vts lami											

BOX 32 ~ BOX 34

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87010

PAGE No. 22

13  
45  
-8

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	73.37		100	ssh .10		blue ssh									
			180	vfs .18		vfs w/ sh cur. lamina									
			170			blue ssh w/ sh irr. (A37E)									
(48)			280			blue ssh									
			100	ssh .67		blue ssh w/ crsh cur. lamina					SD				
						244 = 74.37					<del>153</del>			H	
			120			blue ssh									
51			510	vfs .51		vfs w/ crsh cur. lamina									
						BOX 35									
44			350	vfs .35		crash lamina vfs w/ sh lamina or IIII									
			100	ssh .10		blue ssh									
			150	vfs .27		vfs w/ sh irr. lamina or IIII									
			120			vfs w/ sh lamina or IIII									
			220	ssh .22		blue ssh ~ vfs w/ sh lamina IIII									
						249 = 75.89					<del>157</del>			H	
			120	crsh .12		crash IIII vfs									
			350	vfs .35		vfs w/ crsh cur. lamina rare									
↓	7637		130	ssh .13		blue ssh ~ vfs									

Box 34

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87010  
PAGE No. 23

137  
25  
2

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size,	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	76.37		<del>205</del> 150	vfs .40		caliche									
46			250	vfs .40		ufs w/ crsh lami									
			180	ssh .18		ufs w/ sh cross lami rare									
						bluv ssh w/ vfs lense irr.									
						Box 36									
			070	vfs .07		bluv ufs w/ crsh faint irr.									
V			180	ssh .18		bluv ssh w/ ufs w/ crsh swampy									
A			120			ufs w/ crsh cross lami									
						254 = 77.42									
			150	vfs .93		bluv ufs									
			200			dirty ufs w/ crsh curv. lami									
44			460			ufs w/ sh cross lami or III									
			070	crsh .07		crsh w/ sub lami									
			200			ufs w/ crsh lami or III									
				vfs .27											
			070			same as above									
			050	ssh .05		bluv ssh w/ ufs stringers									
			290			bluv ufs w/ sh lami rare									
				vfs .67											
	7901		200			259 = 78.94									
						ufs w/ crsh lami									

BOX 35-36



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	81.91		260	crsh .26	44												
↑			180	ssh .18													
			050	sh .05													
			160	vfs .16													
↓			100	ssh .10	48												
↓			390	fs .39													
			080	sh .08													
			080														
↓				crsh .23	45												
↓			150														
↑			170														
↑			050	vfs .22													
↓			080	080	45												
↓			090	090													
↓			110	vfs .11													
↓			160	crsh .16													
↓			160	vfs .16	43												
↑			370														
↓			040														
↓			130	ssh .85													
↓			100		43												
↓			85.03	2.10													

Box 38



Quintette Coal Limited

HOLE No. 57010

PAGE No. 26

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
						290 = 88.39					<del>156</del> 167				-11	
↑	88.17		150	} sh .52		sh III vtz										
46			370				sh + crsh w/ sh laminae									153 - 156
↑			110	} crsh .11		only crsh w/ sub laminae										
45			400		} grsh .55		grsh									
↑	89.35		150				grsh									SL SD
			380	} grsh .56		BOX 42										
↓			180				same as abv. - 295 = 89.87					<del>153</del> 153				+3
	89.73	89.91	180			same as abv										
ROOF	89.91		300	} MC .30		MC = 296 = 90.22'					<del>18</del> 30				-12	(-41)
			0.50		} CA .05		acaly CA									
			0.70	} CB .07			CB, CA Mix (0/10) → br									
			0.60		} CC .06		cc									
	90.39	90.44	0.50	} dksh .05			cc									
	90.44	90.82	320		} MC .32		MC									
FLOOR		90.82	0.60	} CB .06			CB									
	90.82		0.70		} dksh .07		dksh									
			0.30	} csh .03			csh									
		91.03	1.10		} dkgrsh .11		dk grsh									
			0.20	} CD .02			CD ~ c'e									
↓		91.13	0.80		} dkgrsh .08		dk grsh									

Box 41 ~ Box 42

# DRILL CORE LOG



Quintette Coal Limited

HOLE No. P7010

PAGE No. 28

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(45)	91.13		0.30	CA .03		CA ~ SA									
		91.20	0.40	CSH .04		CSH ~ CD lenticular?			br					1.22 - .860 = 0.360	
ROOF			0.50 0.70			SA	like powder								
			0.40			SA		SL; SD							
			0.80		260	CA ~ SA			SD						
						— 91.44 = 300' —					86			-36	
			0.80	CA .33		CA			SD						
			1.50 1.70			CA			br						
			0.30			CA			SL SD						
			0.40	CC .04		CC			SD						
						BOX 43									
			0.80	CA .08		CA			SL						
			0.20	CC .02		CC			SD						
			0.40	CA .04		CA ~ CB									
			0.30	CC .03		CC			SD	##h					
			0.40	(A) dkrsh .04		dkrsh w/c lens				12.2?					
			0.30	CD .03		CD ~ CSH									
			0.70	CB .07		CB mixed			powder						
FLOOR	50	92.01	0.30	crsh .03		coaly crsh									
ROOF		92.01	92.40	3.90	SSH .39		dirty ssh		SD	17.7 - 11.4 = 6.3					

Box 42 ~ Box 47



Quintette Coal Limited

HOLE No. 87010

PAGE No. 29

DRILL CORE LOG

1.05

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS						
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.							
↑	9240		300	CA } .30	280	CA ~ CB									152 - 143 = 9						
			080	CB } .08												CB (include sand)	br				
			690	MC } .69												MISSING	br	143	152		
			050													CA	br				
			100	CA } .25																	
			100	CA																	
			050	CC } .05														SL			core or switch?
			140	CA } .14														SD ~ br			
			020	CD } .02																	
			030	CA } .03																	
49	9396		080	CSH } .08	3	CSH 2cm // CB								153 - 83 = 4 * 700							
48			050	CB } .05											CB	SD					
			050	CSH } .10											CSH 1cm // CB ~ CC						
	9419		050	CSH } .10		CSH 1cm // CB															
			070	CA } .07	samplings	BOX 44															
			040	CC } .04		CA ~ CB	SD														
			180	MC } .18		CC ~ CB Mixed	br														
						MC - 310 = 94.43				83	153			(-70)							
FLOOR	9450		020	CB } .02		CB			br												

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.		
↑	9450		030	crsh .03	100				crsh w/c lens	sl						
			070	ssh .07		sl dirty <sup>as</sup> ssh w/ calcite vein					sd					
			030	CA .03						CA						
	9465		020	dksh .02						dksh		mix	br			
	500		610	ssh .61	144				blu ssh w/ vts containing sh cur. lamina							
										sd						152 - 146 = 06
	40		090	grsh .09					grsh w/c lamina rare							
	41		340	grsh .34					grsh w/c lens & ssh lamina rare							
										sd						
↓			100	ssh .10					ssh w/ calcite							
↑			050	crsh .05					gr - crsh w/ calcite		br					
	9594		100						grsh w/ calcite							
									BOX 45							
									-96.01 = 315-							
			090	grsh .36					grsh w/ ssh lamina							
			050						same as abv w/ calcite vein							
			120						grsh w/ calcite vein							
			150													
	9654		190	crsh .34					Crsh w/ ssh band containing sh cur. lamina							
↓																

BOX 44 ~ 45

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87010

PAGE No. 31

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	96.54		120	ssh .12											
			580					blur vts w/ <sup>faint</sup> irr lami	A → 7E						
			160	vfs .25				same as abu							
			510					- 320 = 97.53 -				146 152			-6
↓								blur vts w/ dk faint irr <sup>cur.</sup> lami							
↑			180	crsh .18				Box 46							
			300	ssh .30				sl. blur crsh							
36 P			240	crsh .41				ssh w/ crsh lami							
			170					crsh w/ ssh lami rare							
↓			080					cur. crsh III ssh							
↑			320	ssh .40				ssh III crsh							
								325 = 99.06				148 153			-5
								same as abu							
38			180	crsh .18				crsh w/ ssh stringer very rare							
37			500					grsh							
			250	grsh .75				Box 47							
			100.83	MR .20				grsh							
↓			(200)					MR 330 = 100.58				125 152			-27

Box 45 ~ 47

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 32

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER reg. r. q. d. d. o. b	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	100.33		010	CA .01											
46			320	dkgrsh .37				dkgrsh w/ c laminae, stringers, ml bands	SD						
			050					dkgrsh w/ c stringers	br						
			150	grsh .15				grsh	SD						
			050	dkgrsh .05				sl. dkgrsh	br						
			(280)	MR .28				MR missing							
			080	dkgrsh .08				dkgrsh w/ c stringers	SLSD						
								facies change							
			380					bluv vts w/ sh faint cur. laminae	4328 SD						
			200					vts w/ sh cur. laminae, calcite	SD	124					
								335 = 102.10		152					-28
			100					same as abv	SD						
			050					same as abv	br						
				vfs 117											
			140					bluv vts w/ calcite x 1	SD						
			100					vts w/ sh faint cur. laminae, calcite	br						
								Box 48							
			200					bluv vts w/ sh faint cur. laminae	43 } SD						
			120	fs .25				fs w/ sh stringers		44 } 72					
			130					same as abv w/ calcite vein							
			150					vts w/ sh faint cur. laminae	SLSP						

Box 47 ~ Box 48

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	102.84		110	vfs .74					SD						
			480						SD						
			340	= 103.63						1518 153				+5	
			140	ssh .14					SD						
46			020	ssh .02											
			520	grsh .52					SD						
44															
↓															
↑			380	crsh .38											
			020	dksh .02					SD						
42			300	crsh .30											
↓															
↑			160												
47			470	grsh .93						1544 152				+2	
			300												
↓			300	ssh .30											
(36)	10619		150												

Box 48 ~ 849.





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 50									
36	106.19		100	crsh .25		blux crsh									
48			240			blux ssh ~ (vfs) w/ crsh lamina									
				ssh .37		350 = 106.67					156 152			+4	
			130			same as abv									
			190			blux crsh w/ c lens									
				crsh .43											
			240			crsh ~ grsh w/ sch stringers					SD				
			010	grsh .01		grsh w/ calcite					br.				
			120			crsh									
53			330	crsh .84		blux. crsh       ssh ~ vfs crsh bedded									
			390			same as abv w/ calcite in lower part									
54			150			vfs w/ faint lamina, calcite veins									
				vfs .29		355 = 108.20 -					SD 156 153			+3	
			140			same as abv									
						BOX 51									
			400			fs w/ weakly lamina									
			330			fs #								152 - 142 = 10	
											SD				
	109.7		610			fs w/ calcite #									
						360 = 109.73					148 153			-5	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	109.57		080	↑		same as abv									
				fs 240											
54			730			same as abv w/ calcite veins								152 - 161 =	
						BOX 52									
			250			fs w/ sh patch in bottom									
48			380			vfs w/ sh. stringer & laminae									
				vfs 55											
↓			170			vfs ~ ssh w/ sh laminae									
						365 = 111.25					SD	161		+9	
47			520	vfs .52		same as abv									
48			550	vfs .55		same as abv								153 - 147 = 40.0	
↑			180			crstln gr sh w/ sh laminae									
						BOX 53									
			220	grsh .83		same as abv									
						370 = 112.78					SD	147		-6	
46			430			gr sh w/ sh laminae									
↓			050	ssh .05		ssh w/ sh laminae									
46			430	crsh .93		crstln w/ sh laminae, ml laminae								152 - 157 = +9.05	
↓	11381		250	grstln .25		grsh									

BOX 51 ~ 53

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. \_\_\_\_\_  
PAGE No. 36

BOX 53 の = 31 日の 1. m 1. 10

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
45	113.81	114.77	410	dkgrsh .91		sl dk grsh			sl sd	157			+5		
			180	dkgrsh		dkgrsh			sd	152					
			030	dkgrsh .21		dkgrsh			br				0.30 - 0.46 = ⊕ 16		
						BOX 54:									
46			180	grsh .18		grsh			sl sd						
		114.68	070	dkgrsh .07		dkgrsh			br	46			+16		
	114.68		020	cc .02		cc br	376 = 114.60			30					
			(110)	MC .11		MC									
			100	dksh .10		dk sh - bonij - coal mixed -			br. (tw.?)						
			050			cc ~ CB			sl sd				prefer cc		
			030	cc		amic as abi			sl sd						
			060	.21		amic as abi			sl sd						
			070			scaly cc			sd						
			070			CB ~ (CC)		dull	sl sd						
			090	CB		CB		dull	sl sd						
			070	.25		CB ~ CE			sd						
			020			CB ~ CC			br						
			070	cc .07		cc		inter inart	sd						
			120	CB .12	22	100 ~ CB		inart	sd						
			030	cc .03		cc		inart	sl sd						

ROOF

-40

DRILL CORE LOG

box 53 ~ 54



HOLE No. 87010  
PAGE No. 37







B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
(58)	119.55	119.81	260		K1	powder	CA			SD					-2.08 = +0.04 1.53 - 1.65 = <del>+1.2</del>	
FLOOR																
	119.81		070	grsh .07			grsh									
			200	ssk .20 860			ssk w/ sh faint calcite									
28		120.28	200	vfs .20		vfs				SD						
						Box 57										
10		120.41	130	vfs .14		vfs w/ sh faint lamini										
48			010	ssk .07		ssk w/ sh lamini w/ calcite										
65			450	fs .45		fs w/ sh lamini or ll										
61			750	fs .90		fs w/ sh lamini or ll										
			150			same as abv w/ calcite <sup>ven</sup>										
			(130)	MR .13		MR										
58			520			fs w/ sh lamini, calcite x1										
						Box 58										
			240	fs .76		same as abv				SD						
			050	vfs .05		vfs w/ calcite				br						
(63)		123.11	330			fs ~ vfs w/ sh lamini				SL SD						

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
b3	123.11		441.0	fs .89											
			120												
			730												
				ufs 1.03											
			300												
			270	ssh .27											
			0.50												
			0.80	grsh .24											
			110												
			0.80	dkgrsh .08											
			110	crsh .11											
			0.50	grsh .05											
			1.50	crsh .15											
			1.60												
				ssh .91											
	126.51		750												

Box 58 ~ 59



Quintette Coal Limited

HOLE No. 87010

PAGE No. 42

DRILL CORE LOG





B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 60									
						- 415 = 126.49 ✓					149				153 - 1.49 =
	126.51		070 340	grsh 34							153				- 4.
			280	grsh 33		crsh w/ ssh lami' inx. base } SD									
(59)		127.78	650	grsh 33		grsh #									
			250	grsh 28		grsh #									153 - 1.52 = 0
				grsh 28		grsh #									
		128.06	030	grsh 28		- 420 = 128.07					153				- 1
				grsh 28		grsh					153				- 12
ROOF				CB .07		CB mixed cc									152 - 380 = 114
	128.06		070	CB .07		CB mixed cc									
			110	CA .28		CA									
			170	CA .28		CA									
				CA .28		CA									
(63)				MC .19		Box 61									
			(1190)	MC .19		MC									
			060	CB .06		425 = 129.54					38				- 114
			010	CC .01		CB, CC mixed					152				
				CC .01		cc									
FLOOR				CA .10		CA									
		129.77	100	CA .10		CA									
	129.77		070	grsh .07		grsh									
		129.92	080	SSH .08		sh lmi ssh									

DRILL CORE LOG

Box 60 ~ 61



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	129.92		100	grsh .10					SD						
ROOF	130.08	130.08	060 150	MR CA .13		MR			br						
			020	dkgrsh .02					br						
FLOOR	130.78	130.78	050	CA .05					br						
	130.78		100	dkgrsh .10											
			070	dksh .07					SD						
			060	MR .06		MR									
			050	dksh .05					br						
ROOF			100	MC .10		MC									
			100	CC .10											
	13076		200	MR .20		MR									
			020	dkgrsh .02											
	13098		030	MC .03		MC									
			050	CB .05					br						
FLOOR	131.11	131.11	050	CA .05					br						
	131.11		150	dkgrsh .15					SD						
	65		320	grsh .32											
	131.68	131.68	100	vfs .10		sl dints									
69	131.81	131.81	130	fs .32		fs									

DRILL CORE LOG

BOX 61



HOLE No. 87010  
PAGE No. 44

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑			190	↑		BOX 62 = 218 cm (100 inches)									
64	131.81		200 220 250 270 290			dirty fs w/ dk lami, calcite (SD)									
						ufs w/ dk lami									
						fs									
		132.55	050			ufs									
						435 = 132.58					161 152			+9	
			020			same as abv									
			170			fs, crs lami									
V			180			dirty ufs w/ dk grsh faint lami									
60			280			crsh									
			300												
			160												
			170												
			190			crsh w/ ss h lami rare, calcite									
			200			grsh									
			400			sl dk grsh fossil									
			420												
			100												
			080			BOX 63 = 193 cm									
			100			dk crsh like Army									
			080			sl dk grsh									
			180			- 440 = 134.11					159 153			+6	
			300			dk crsh like Army									
		134.40	070			dk crsh w/ ss h band									
V															

BOX 62 ~ BOX 63

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 45

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	134.40		270	ssh .27		dirty bluish ss w/dk irr } 437E					SD				
↑			260	crsh .06		dk crsh like Bong									
(60)			340	vfs .34		dirty blue vfs w/dk irr									
			070	ssh .22		dirty blue ssh									
↓			150			same as abv					SD				
↑			200			? (dk crsh) like Bong						(crdksh)			
						- 445 = 135.63 -						146 152		-6	
50			270	crsh .90		same as abv like Bong					SD				
			430			BOX 64 = 209 cm.									
			450			cr. dk sh like Bong					SD				
			070	ssh .07		ssh					SD				
	620		180			dk gr sh crinble					SD				
			100	dkgrsh .28		same as abv									
			430			cr. dk sh like Bong					SD				
			450			- 450 = 137.15 -					152 152				
			100			same as ab					br				
			120	dksh 1.34							like bong				
			150			same as abv					SD				
↓	61°	137.48	260 290			cr. dk sh w/ ssh lamina									







69  
32

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	144.66		250	} crsh 1.39	65	same as abv					154 152			+2	
(52)			420 430												
↓			320	} ssh .32	65	ssh w/ crsh faint band, sh-speckled					SD				
↑			340 350 370												
↑			110	} vfs .59	65	vfs w/ faint sh-speckled									
↓			180												
↑			140	} ssh .14	65	vfs w/ sh-speckled					SD				
↓			140												
↑			370	} vfs .46	65	ssh vfs w/ faint band containing sh-speckled					SD			-2	
↓			090												
↓			060	} ssh .06	65	vfs w/ weakly laminae					SD				
↑			070												
38			070	} dk gr sh .07	65	sl. dk gr sh w/ mil nodules									
↓			510												
↓			480	} fs 1.15	65	fs					SD				
↓	147.96		480												
↓					65	fs					SD				
↓					65	485 = 147.82									158 152

Box 68

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 49

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(38)	147.96		160	↑											
45			040	} sh .04				same as abv w/ sh line in bottom		} SD					
								sh     ssh		}					
								BOX 70 = 207 cm							
			210	} vfs .21				vfs w/ sh lamina, ml band x 2							
42 P			470					fs w/ ssh stringer		.77" .77" a 22 } SD					
				} fs .15											
			280					same as abv.							
40			340	} fs .34				fs w/ dk stringer, sand pipe		} SD					
								490 = 149.30		<del>150</del> 152					-2
			070	} sh .07				sh    fs							
44			050	} crsh .05				crsh      fs							
			250	} fs .25				fs w/ ml band, sand pipe							
			100	} vfs .10				vfs w/ dk faint lamina							
			120					fs w/ ml lamina							
			180					fs w/ crsh faint irr. ml band							
				} fs .63											
			330					BOX 71 = 223 cm - two inches.							
			350					fs w/ ml band in bottom							
			100	} ssh .10				ssh w/ ml nodules							
43			190	} sh .19				sh      ssh							
			210												
								495 = 152.87		<del>143</del> 153					-10
(44)	150.94		090	↓				vfs							

Box 69 ~ 71.

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
44	150.94		260	} vfs .35											
			280												
↑			340												
			100												
			110												
			620												
			550	} fs 2.67											
			100												
44			300												
↓			220												
↑			300												
↓			220												
40			300	} fs .30											
↓			100	} ssh .08											
(41)	15435		100												

DRILL CORE LOG

15 13048  
15240

Box 71-72.



Quintette Coal Limited

HOLE No. \_\_\_\_\_  
PAGE No. 51

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	154.35		300 400	vfs .48		BOX 73 = 223' - too much.									
419			110	crsk .11		vfs w/ lixi sand pipe in bottom									
↓			280 300	vfs .28		crsk III vfs vfs w/ sh. lami									
↑			440 460			fs w/ faint sh. imp. lami					SD				
				fs .51		510 = 155.44					175 152			+23	
			070			fs									
			150	vfs .15		vfs w/ 4, 2 om sh. band									
			160 170	ssh .26		ssh w/ sh. lami									
			100			bliss ssh									
			450 470			vfs #									
			660	vfs 1.83		BOX 74 same as abv					162 152			+10	
			130			515 = 156.96 same as abv									
			050			dk III vfs									
			330			vfs									
43			160			vfs #									
↓	157.87		050			ml									

DRILL CORE LOG

BOX 73 ~ 74



Quintette Coal Limited

5-1  
18  
3

HOLE No. \_\_\_\_\_  
PAGE No. 52

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
A	157.87		150	} ssw .43		ssh vts w/ dk sh faint laminae									
			190			ssh #									
			090			ssh w/ crsh laminae									
			050			crsh									
40	158.55	200	} crsh .05 vts s.20		vts w/ dk stringers										
						520=158.50					140 153			-13	
						END of 87010									

DRILL CORE LOG

Box 74



Quintette Coal Limited

HOLE No. 87010

PAGE No. 53

**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87011**



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑			769	7.69	Box 1	Casing									
						— 26' (7.62) —					0 7.62				
			640	0.64		ssh. ish lam. vfs band									
19°			260	0.06		Csh. ish fine lam. pt frag									
			270	0.27		vfs. lam. ssh band.									
			110	0.11		Csh. pt frag.									
			140	0.14		MR — 29' (8.53) —					1.08 1.32			-0.14	
↓			130	0.13		Same as above									
↑			290	0.29		vfs. iron stain									
			210	0.41		ssh. calcareous									
			200			ssh. sh lam.									
26	996	220	0.44			vfs. turbidite									

DRILL CORE LOG



HOLE No. QHD87011

PAGE No. 1



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	1172		380	sh .38		sh. pt frag.				sd					
					Box 3										
			400	crsh .60		crsh. ssh bands				1.					
						415 (12.50)					$\frac{0.73}{0.92}$			+0.01	
			400			Same as above				sd					
			270			sh. iron stain along cracks				sd					
(18)			420			sh				sd					
			460			sh. ssh 2cm band at middle				"					
				sh 1.93		46' (14.02)					$\frac{1.53}{1.63}$			+0.03	
					Box 4										
			480			sh. iron stain along crack				sd					
			230	crsh 1.23		crsh. vfg iron band x1				pt					
↓	1520	(34)	3.34	MR		MR				iron stain					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 3



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	15.70		0.90	sh .09					sh						
			1.20	ssh .12					ssh						
			0.60	crsh .06					crsh, sh blur						
			0.00	} vfs 38					vfs, sh blur						
			1.80						ssh (15.54)						
									Same as above						
			0.60	ssh .06					ssh						
			0.80	sh .08					sh						
			4.40	ssh .44					ssh sh band at mid vfs blur at btm						
					Box 5										
			1.00	crsh .10					crsh <del>at</del> muddy						
↓	16.60		0.70	vfs .07					vfs						

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 4

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r,q,d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	1660		180	$\left. \begin{matrix} fs \\ 3.16 \end{matrix} \right\}$		fs.		iron stain	along crack	bn					
			040	$\left. \begin{matrix} crsh \\ 39 \end{matrix} \right\}$		crsh				bn					
			050			crsh.		iron stain		sd					
						———— 56' (17.07) ————					$\frac{1.48}{1.53}$			-0.05	
23			040	$\left. \begin{matrix} sh \\ .04 \end{matrix} \right\}$		sh.	ssh	lami		"					
			010	$\left. \begin{matrix} fs \\ .01 \end{matrix} \right\}$		fs				"					
			370	$\left. \begin{matrix} sh \\ .37 \end{matrix} \right\}$		sh.	ssh	blue	at middle	"					
↓			220			gr sh	(bk)			"					
↑			730	$\left. \begin{matrix} grsh \\ 1.06 \end{matrix} \right\}$		gr sh.	(bk)			"					
(20)					Box 6										
	1863		110			Same as above									
						———— 61' (18.59) ————					$\frac{1.58}{1.53}$			+0.06	
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑             R(42) →             ↓	1863		260	} dkgrsh .86					sd						
			290							"					
			300							br					
			310							sd					
			100	} dksh S.10					"						
			200							br					
			240	} dkgrsh .41						br					
			120							Same sd					
			250							sd					
			190	} sh .31						sd					
										pt frag					
									56' (20.12)		1.52 1.63			+0.05	
		2033		120					Same as above, & lami	st					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 6

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	20.33		140		Box 7											
(20)				2.59												
↓			250													
↑			230	2.23												
			220	2.62												
↓			240	2.34												
			440	2.44												
			110	2.11												
↓					Box 8											
↑																
↓			130	2.13												
↓		2282	130	2.13												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r. q. d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	2282		330	$\left. \begin{matrix} vfs \\ .23 \end{matrix} \right\}$		vfs, bk lam									
			160	$\left. \begin{matrix} ssh \\ .27 \end{matrix} \right\}$		ssh, vfs blur.									
(24)							— 76" (23.16) —				$\frac{1.54}{1.52}$				10.02
			110	$\left. \begin{matrix} crsh \\ .96 \end{matrix} \right\}$		ssh									
			510				crsh, ssb bands x 3'								
			450	$\left. \begin{matrix} sh \\ .23 \end{matrix} \right\}$		crsh									
			230				sh								
			090	$\left. \begin{matrix} crsh \\ .09 \end{matrix} \right\}$		dk gr crsh & dk sh									
			050	$\left. \begin{matrix} sh \\ .16 \end{matrix} \right\}$		sh									
							— 21" (24.69) —				$\frac{1.44}{1.53}$				-0.09
			110	$\left. \begin{matrix} dksh \\ .01 \end{matrix} \right\}$	B-x-9										
			010				same as above								
			020	$\left. \begin{matrix} dkgrsh \\ .02 \end{matrix} \right\}$		dk sh									
↓	2479		020			dk gr sh									

DRILL CORE LOG

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	2479		170	{ grsh .17		gr sh				sd						
			070	{ dkgrsh .07		dk gr sh				"						
			020	{ dksh .07		dk sh; c stringers				lt						
			050			dk sh	"				r					
(24)			060	{ dkgrsh .16		dk gr sh				scm lt						
			100			dk gr sh ~ dk sh	c lami				sd					
			030	{ dksh .03		dk sh				kn						
			130	{ grsh .13		gr sh				sd						
			140	{ crsh .14		crsh	pyrite			sd						
			000	{ ssh .20		ssh										
			080	{ crsh .08		crsh										
↓	2633		(49)	{ MR .49		MR					1.19 1.52					
							36' (26.2')									-0.33

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 9

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
(24)	26.33		220	SSH .22		ssh				sd					
			230	vfs .63		vfs, ssh irreg. wavy bands				"					
					Box 10										
			270			fs #				sd					
						91' (27.74)					1.37 1.53			-D.16	
			270	fs 1.87		fs. weak bk lam. none				"					
			300			fs				"					
			130			fs				br					
			290	vfs .09		vfs ssh bk lam.									
			180			fs bk lam.									
					Box 11										
			29.38	060		Same as above									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
↑	2938		250	vfs .35		ufs. sh irreg. lam.									
			110	sh .11		sh. ufs. lam.									
(22)			150	vfs .38		ufs. sh lam. rare									
		30.22	230			ufs. sh lam.									
			280			sh. ufs. bands & lam.									
23			220			sh. ssb fine reg. lam.									
				sh .82		10' (30.30')									
			320			Same as above									
			150			fs. sh irreg. lam.									
			230			fs. #									
					Box 1.2										
		32.20	260			fs. bk reg. lam. rare also vein at btm									
						10.6 (32.3')									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 11





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
23.	3565		290	↑ vfs 1.21		vfs, tfs										
			430				vfs, tfs, sh patch band									
			500		} fs .08		fs, sh lam.				same sd					
			590			} ssh .38		ssh, tfs, #				same sd				
			(210)	} MR .21			MR ——— 121" (36.99) ———					1.41 1.50				-0.11
			160				crsh, tfs, #				br					
			520			Same as above, #				sd						
(24)					Box 15											
			740			crsh, #, tfs				sd						
						————— 126" (39.40) —————					1.52 1.65				0	
			830			Same as above				br						
			820			crsh, tfs, #				sd						
			3946	850		Same as above; calc. vein				same sd						



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	42.57		180		Bor-13	vfs	#			sh						
				vfs .56												
			180													
			190	sh .19			sh.	ssh band at bit								
			240	vfs .24			vfs.	ssh lam. name								
			130	sh .13			sh.	ssh lam.								
			120	ssh .12		ssh.	ssh lam.									
			120	vfs .12		vfs	#									
			260	sh .26		sh.	ssh lam & band									
			070	vfs .07		vfs										
22	44.39		130	sh .13		sh.	ssh lam.									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 15



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	4651		310	sh .31		sh.	ssh	aggive	band	at	base				
↓			290	vfs .29		vfs.		laminated							
			220	sh .22		sh.	ssh	aggive	blun.	&	pitch				
			150	vfs .15		vfs.		lami,	ssh	lami	at	btm			
						----- 136' (47.55) -----					1.49 7.83			-D.04	
			130	sh .13		sh.	ssh	aggive	lami						
			140	vfs .14		vfs.	sh	irreg.	lami						
↓			220	sh .22		sh.	ssh	aggive	irreg.	lami					
24			120			vfs.		lami							
				vfs .44	Box 11										
			260			Sumo	as	aggive	calc	vein	x1				
↓			270	ssh .27		ssh.	sh	irreg.	lami	vfs	band	at	btm		
(26)	4888		200	sh .20		sh.	vfs	irreg.	lami	at	btm	half			

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 17

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	48.88		200			vfs											
						vfs .84											
				540			vfs										
				160		sh .16	sh	ssh	irreg	lami	particulate						
				200			vfs										
						vfs .38											
				100			vfs										
				070		crsh .07	crsh		(brown)								
				140		vfs .14	vfs										
			200	sh .08													
		51.01	460	vfs .46													
↓																	





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
(21)	54.18		140	dkgrsh .14	Bor. 23	dk gr sh	ufs	iron bands	blue at bot							
↓																
↑																
			5100	ufs .40			ufs	inreg. dk lam			semi sd					
							————— 100' (24.06) —————					$\frac{1.46}{1.52}$			-0.06	
			050	grsh .05			gr sh				sd					
			590	ufs .57			ufs #1									
			020	grsh .02			gr sh									
			780	ufs .78			ufs #1									
(22)			030	grsh .03			gr sh									
			050	ufs .05		ufs #1										
↓						————— 105' (26.09) —————					$\frac{1.50}{1.53}$			-0.03		
↑																
(26)	56.52		300	ufs .30		ufs	weak lam									
↓																

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, q, d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	565'2		040	} grsh .04		gr sh	.	.	.	"					
			430	} vfs .43		vfs, weak lam.	.	.	.	"					
			020	} grsh .02		gr sh	.	.	.	semi sh					
			070	} vfs .07		vfs, sh patch	.	.	.	st					
			060	} grsh .35		gr sh, sh lam.	.	.	.	"					
			100			Same as above	.	.	.	br					
			110	} vfs .11		vfs, sh lam.	.	.	.	st					
26			180	} grsh .18		gr sh, c lens	.	.	.	"					
						————— 190' (57.91) —————					$\frac{1.50}{1.52}$			-0.02	
			540	} vfs 1.70		vfs, weak lam.	.	.	.						
						boards	.	.	.						
	59.25		990	↓		vfs, #, pyrite along vert. crack	.	.	.	st					
↓						————— 195' (59.44) —————					$\frac{1.53}{1.53}$			0	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	59.25		170	↑		ufs. weak lami				sd					
			120	{ grsh .12		gr sh : ufs lami				"					
			110	{ vfs .11		ufs. gr sh irreg lami at btm				"					
			440	{ grsh .44		gr sh : ufs hard sh irreg lami				"					
26			330			ufs. lami. ufs patch at top				"					
					Box 26										
			080	{ vfs 1.01		Same as above				"					
			280			ufs ~ 5 sh. lami				"					
						— 200' (60.96') —					1.53 1.52				+0.01
	61.10		320			ufs. lami				"					
			120	{ vfs .12		ufs sh irreg lami				"					
↓	61.29		070	{ dkgrsh .07		at gr sh. fs lami at btm				"					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 02



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑					1127										
	62.98		0.20	CB .02		CB				br					
			0.30	CA .03		CA				br					
			0.60	CB .06		CB	F lamit vit. lamit			sd					
			0.30	CA .06		CA	(SA)								
			0.30		CA	(SA)									
(22)			0.10	CC .01	1129	CC	F								
			0.40	CB .04		CB				sd					
			0.70	CA .07		CA									
			0.20	CD .02		CD	F								
			0.40	CA .04		CA	(SA)			sd					
			0.10	CSH .01		CSH	F								
↓	63.44		1.00	CA .10		CA				sd					

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 24



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑																
						216" (55.84)					584 5.05					-0.21
	65.81		1.40	sh 1.13		Same as above				sl						
			1.50			sh. slightly coarse				pt frag						
			1.50			crsh				pt frag						
			2.20	crsh 47		crsh.				ssh blur						
			3.10	ssh 31		ssh.				crsh lami						
			2.10			sh				ssh lami						
				sh 36	68.29											
24			1.50			Same as above										
↑			5.20			sh.				pt frag. c lens						
(29)			7.20			sh.				pt fossil. weak lami						
↓		68.79	3.10			Same as above										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						226' (68.00')					278 204			-0.06	
↑	68.79		240	sh 2.67	Box 30	sh. pt frag. a laminae sd									
			280			Same as above sd									
29			260	grsh .06		gr sh pt frag									
			300			fs sh lam 2 top									
				fs .33		231' (70.4')					1.48 1.03			-0.05	
			230			fs sh lam									
			200	sh .80		sh									
						Box 31									
			260	grsh .26			grn dk gr sh								
(26)	71.36	71.83	470			cr sh, #, pt frag					1.69 1.25			+0.07 +4	
↓						236' (71.93')									

DRILL CORE LOG

 Quintette Coal Limited

under No. 45  
 HOLE No. \_\_\_\_\_  
 PAGE No. 27



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	71.83		580	↑ crsh 2.11 Box 32		crsh. #, pt frag.				sd					
			750				Same as above				"				
			090				Same as above				"				
							———— 241' (73.46) ————					1.42 7.53			0.11
			020				Same as above				"				
			410				vfs. #				"				
			700		↑ vfs 1.41		Same as above				"				
			300					vfs. vague irregular lami				"			
							———— 246" (24.98) ————					1.63 7.53			0.11
			140		↑ ssh 1.14		ssh. vfs blue				"				
26			010	↑ CA 0.01			CA clastic				"				
↓	✓ 7520		170		↑ ssh 1.17		ssh. sh blue				"				

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 28

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑          26          ↓					Box 33											
	75.20		270	crsh .27		Cash. v/s bands				5.1						
			270	dkgrsh .22		dk grsh, c lami					"					
			220	}		Cash # pt frag.					"					
			460			Same as above						"				
						551' (76.50)						149 7.52				-0.03
			920			crsh 3.12	Cash #					"				
				}		Box 34						underclay #				
			580			Same as above						"				
						556' (78.03)						150 7.53				-0.02
		940	Cash #													
	99.25	440 780		Cash #												
				Box 35												



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS						
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.							
↑	93.67		250	ms .95																	
																	ms .95	ms n Crs	sd		
				180												cgl .62				cgl, granule	"
																	11" (94.29)	1.54 1.67	-D.13		
				140																	
		290	cs .39	Cr s, #																	
↓	95.60		270	cgl .27																	
																	cgl .27	cgl; pebbles n mica <sup>many</sup> sh pebbles	"		
				140												gr sh, c lens				"	
																	Same as above	bh			
				280															gr sh .31		15" (96.0')
		290		Same as above	sd																
	96.23	320	ssh .32	ssh, sh blin	ci																

Box 43

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	90.43		450			CrS #		imm. bk. lam.		sd					
			500			CrS #				"					
						----- 500.5 (91.59) -----					$\frac{1.62}{2.67}$			-0.05	
(29)			190			Same as above					"				
					Box 41										
			280			CrS		fs band. c lam.		bt					
			270												
			390			CrS #				sd					
			400												
			720			CrS #				"					
			740												
						----- 505.5 (93.12) -----					$\frac{1.62}{2.53}$			+0.07 (+4) ✓	
			410			CrS		weak lam.		"					
	93.67		300			m.s. CrS, weak lam.					"				
					Box 42										
↓															

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r. q. d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑						— 271' (82.60) —					1.09 1.55			10.7 ✓	
	82.62		110	fs 1.27		fs. # sd									
26			670 <del>600</del>			fs. f. organic lami "									
					Box 37										
			830	fs 2.03		fs. weak lami, u/s band. Sand sd									
						— 276' (84.12) —					1.43 1.53			10.11	
↓	84.76		630			fs. weak lami, bk lami rare sd									
↑			720			fs. x lami, sh patch at btm sd									
					Box 38										
						— 281' (85.65) —					1.25 1.53			10.28	
			580	fs 2.17		fs. bk lami rare sd									
29	86.93		870			fs. bk lami "									
↓						— 286' (87.17) —					1.45 1.52			10.07	

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 3/

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	B6.93		520		Box 39												
			<del>530</del>			ms											
				330			.85										
				<del>340</del>													
				390													
				<del>470</del>			fs										
							.39										
				110													
				<del>120</del>													
↓	(29)		500		Box 40												
			<del>510</del>														
				710													
				<del>720</del>			ms										
							2.26										
				280													
				<del>290</del>													
				295													
				<del>300</del>													
↓	90.43		660														
			<del>670</del>														

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	96.23		390	{ sh .39		sh	sh	bluc		sd					
			140	{ crsh .14		crsh									
			190	{ sh .19		sh				"					
	97.24		290	{ crsh .29		crsh									
			180	{ grsh .18		grsh		c lens							
						— 1.5 (97.89) —					1.60 1.98			-0.22	
27			170	{ dkgrsh .38		dk gr sh		c lens		"					
	97.80		210			"		c lami							
ROOF	97.80		030			CA		(SA)		"					
				{ CA .13	Box 44										
			100			CA		(SA)							
	97.97		040	{ CB .04		CB									

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 25



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	97.97		110	CA .11		CA									
(27)			060	MC CA .06 .01	1130	MC CA									
			060	CD .06		CD ~ cc									
			110	CA .11		CA (SA)									
			040	CSH .07		CSH									
FLOOR	98.39		030			CSH									
			060	DKSH .13		DKSH									
(20)			070			DKSH									
			020	CD .02	1131	CD									
			030	DKGRSH .03		DKGRSH									
	9864		070	DKSH .07		DKSH									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 36





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	101.41		100	{ fs .10	Box 46	fs										
			320	{ ssh .32		ssh, ifs ~ fs band r 2				sd						
			070	{ grsk .07		grsk, c stringer										
(22)			050	{ vfs .05		vfs										
	102.08		130	{ fs .13		fs, c lens										
↓																
↑			200				fs weak lami									
							————— 336" (102.4") —————				1.52 1.52				+0.06	
25			510				fs bk lami rare									
			400	{ fs 3.29			fs weak lami									
			310			fs bk lami										
						————— 341" (103.9") —————				1.52 1.0				-0.01		
↓	104.16		360	↓		fs bk lami rare										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					Bar 47											
↑	104.16		730	↑	Bar 47	fs. weak lami										
(25)		105.29	700			Same as above										
↓																
↑																
22			950				fs. weak lami x lami									
					Bar 48											
			500		Bar 48	Same as above										
			870	fs 3.74	Bar 48	fs. weak lami										
	108.39		700			Same as above										
					Bar 48											
					Bar 49											
↓					Bar 49											

(19)









B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	118.63		090	} crsh .14		crsh	.	.	.	.					
			130			ssh	.	.	.	.	.				
↓				} ssh .29		————— 119.18 —————								⊖	
→ 5			160			ssh, w/s blue, sh some hard at top	.	.	.	.	.				
			47	} crsh .47		crsh, sh laminae	.	.	.	.					
			500			sh, imbedded laminae pt frag	.	.	.	.	.				
			510	} sh .88		Same as above	.	.	.	.					
↓						————— 120.20 —————					1.51 1.52			-0.01	
↑	120.41		.220	} grsh .63	Bov 55	gr sh, sh imbedded fine laminae at top	.	.	.	.					
			121.04			410	gr sh, c laminae pt frag	.	.	.	.				
↓			110	} dkgrsh .11		dk gr sh, c laminae	.	.	.	.					
Ⓣ 27			121.19			040	dk sh, c stringer	.	.	.	.				

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 44

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	121.19		0.50			dk gr sh		dk sh		br					
27			0.80			dk gr sh		c lami		sd					
			0.10			dk sh		c stringer							
			0.20			cd				br					
	121.53		1.80			MR									
ROOF	121.53		0.50			cc		Bony		br					
						MC									
			0.30			CA									
			0.70			CB									
										sf					
			0.70			cc									
			0.20			CA									
FLOOR															
↑								401 (122.22)			1.15 / 52			- 0.34	
	121.92	122.08	1.80			csb		Bony		c lami	sd				
ROOF	25		0.20			cc		Bony							
↓		122.24	1.40			CA		Fi lami		sd					

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 45

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	122.24		150	↑ CA .29	2	CA				sd					
			230	CD .03		CD					sd				
			240	CC .04		CC	vit sand				sd				
			100	CA .19		CA					sd				
			090			CA						sd			
			030	CD .03		CD	Bony				sd				
25			050	CC .05		CC	Bony				sd				
			040	CB .04		CB					br				
			080	MC .08		MC	403" (122.83)					$\frac{0.85}{0.61}$		+0.22	
			080	CA .18		CA	banded				sd				
						CA									
	123.03		100				Same as above								
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	123.03		010	CC .01		CC									
			060	CA .06		CA				SA					
			070	CB .07		CB ~ CA	banded								
			040			CA				sd					
			150	CA .54		CA	banded			"					
(25)			090			CA	Fi thin fine lamination banded			"					
			060			CA	(SA)								
			010	CD .01		CD	Fusite			sd					
			020			CA	(SA)								
			060	CA .08		CA	Fi lam x 1' (SA)			semib br					
			030	CB .03		CB				sd					
			110	CA .11		CA	(SA)								
↓	123.97		030	CB .03		CB				sd					

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	123.97		0.30			CA (SA), F fine lami x 5									
				CA .26											
			0.30			CA (SA)									
25	124.23		0.30	dkgrsh .03		dk gr sh			sd						
		124.27	0.10	CA .01		CA (SA)									
↓															
↑															
			0.40	CSW .04		CSW (dk gr sh / CA)			sd						
			0.10	CA .01		CA									
			0.80	CSW .08		CSW dk sh, lami									
(26)		124.41	0.10	CD .01		CD, F									
			0.70	CA .07		CA									
			0.50	CB .05		CB									
	124.60		0.70	CA .07		CA									
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 48

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	124.60		040	{ CC .04		cc									
			090	{ CA .09		CA (SA)				sd					
			020	{ CB .02		CB									
			020	{ CA .02		CA (SA)				sd					
			020	{ dksh .02		dk sh									
			020	{ CA .02		CA									
(26)															
			020	{ CC .02		cc				sd					
			040	{ CA .04		CA									
			070	{ CB .07		CB banded									
					Bar 67										
			030	{ csh .03		csh									
			040	{ CB .04		CB				sd					
↓	125.11		100	↓		CA									



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	127.30		230			Same as above									
				dkgrsh .75											
					24										
			250			Same as above									
			120	grsh .12		gn sh. c lani				sh					
			200	dksh .02		dk sh. c lani				"					
			100	grsh .10		gn sh. pt frag				"					
			280	crsh .38		cr sh.				"					
			380	ssh .38		ssh. lani				"					
26			100			crsh. ssh lani				"					
				crsh .34											
						403.5 (29.08)					1.58 1.52			+0.06	
	129.12		340			crsh				"					
27	129.21		290	dkgrsh .09		dk gr sh. c lani				"					



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	129.21		020	dksh .02		dk sh.	c stringers								
			020	dkgrsh .22		dk gr sh.	c stringers								
			040	vfs .55	Box 54	vfs.	sh irreg. band								
			310			Same as above									
			120	ssh .12		ssh.	irreg. blue								
			130	grsh .13		gr sh.	pt. frag.								
			030	dkgrsh .33		dk gr sh.	c lens								
			130			Same as above									
						————— 439' (130.76) —————									
27			170			Same as above									
↑			030	vfs .23		vfs.	sh irreg. band								
(26)															
↓	130.93		120	ssh .12		ssh.	sh irreg. band								

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS		
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.			
↑	130.93		130	vfs .28	Box 60	vfs	medium	grey									
			110	ssh .31		ssh	sh	medium	grey	lami							
			140	vfs .19		vfs											
			140	}		ssh											
			200			ssh .92	ssh										
	(26)			}								1.61 1.52				+9	
			150			ssh	ssh										
			220	vfs .27		vfs											
			230	ssh .43		ssh											
		13362		240		↓	vfs	sh	lime								
																+7	

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	133.67		030	vfs .37	Box 61	Same as above										
			070			ssh. Crsh lam & band										
				ssh .36												
			090			Same as above										
56°			100	vfs .10		vfs. lam										
			050	ssh .25		ssh. Crsh lam										
			030	crsh .33		Crsh ssh blk lam										
			190	ssh .19		ssh. Crsh lam v/s band										
			090			vfs. sh lam, 80° crack										
				vfs .40		----- 114' (105.33) -----										+3
			110			Same as above					form sd					
			060	crsh .46		Crsh. fs blk patch, v. crack										
↓	135.78		040	CA .04		CA										

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	135.78		160		B-62	crsh				bn						
				.29												
			130				Same as above				sd					
			280	.28			sh				"					
			290				crsh				"					
(26)				.42			449' (136.86')								+4	
			230				Same as above				"					
			240	.29			4/2 ~ sh	sh	very	fine	"					
			260	.36			ssh	crsh	band	X 12	"					
			200	.12			crsh				pt frag					
			200	.20			ssh				crsh blue					
	137.75		260	.06			dk gr sh									
↓																

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	137.75		070	grsh .27	Box 63	gr sh				"					
26			070	} ss sh .29		ss sh	laminated				"				
			020				Same as above					"			
			050	} cr sh 1.23		cr sh					"				
			030				cr sh	sh bands				"			
			050	} sh .44		Same as above					"				
			13"				sh					br			
	139.95		310	} sh .90		sh									
↓															
				} cr sh .90		Box 64	————— 160' (140.2') —————								-6
↑	140.27		090				cr sh	sh lam x 1							
↓															





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	144.70		070	↑ grsh .33		Same as above				sd					
			070	crsh .84		crsh pt frag				"					
			070			Same as above				"					
			080	ssh .08		ssh				"					
	145.80		110	vfs .11		vfs	lani			"					
25			080	ssh .08		ssh				"					
↑			120	crsh .12		crsh pt frag				"					
			070	sh .07		sh				"					
			060	dkgrsh .06		dk gr sh				"					
25			020	dksh .02		dk sh	calc. vein			"					
			010	cd .01		cd				"					
	146.20		040	ssh .04		ssh				br					
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 59





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	146.88		010	CA .01		CA (SA)									
			020	dksh .02		dk sh				sd					
			020	esh .02		esh									
			030	cc .05		cc Bony				br					
			020	cc .05		cc "									
			060	cd .06		cd ~ esh				sd					
		147.27	030	cc .23		cc ~ cd, vit Jam									
FLOOR (25)															
	147.27		080	cd .08		cd Bony									
			080	esh .08		esh "				sd					
			110	dksh .16		dk shi "									
	147.59		050			Same as above				"					
ROOF															
			020	cc .02		cc				sd					
↓	147.65		040			cd vit. Jam									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 61



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	148.30		0.50	dksh .05		dk sh									
FLOOR		148.61	0.60	CA .06		CA				sd					
			0.10	dksh .01		dk sh									
			0.40	crsh .04		cr sh				sd					
			0.20	ssh .42		ssh									
ROOF	(25) 148.88		0.20	CA .12		CA				semi br					
			0.10	CD .01		CD F.				sd					
			1.00			CA									
				CA .30	Box 68										
			2.00			CA									
			0.50	CB .05		CB				sd					
		149.42	0.60	CA .06		CA									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 63

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						491' (149.66')					1.44 1.53				-D.09
↑	149.42		220	MC .22		MC									
			090	CA .09		CA				Some sd					
			030	CC .03		CC (cob m bit)				bd					
	149.76		010	dkgrsh .01		dk gr sh				sd					
			030	CA .03		CA (SA)				bd					
			050	MC .05		MC									
			010	dkgrsh .01		dk gr sh									
(25)			040	CA .04		CA (SA)									
			020	dksh .02		dk sh. c stringers				sd					
			050	CA .05		CA (SA)									
	149.97	150.03	060	dkgrsh .06		dk gr sh. c laminae									
			020	CA .02		CA (SA)									
			040	MC .04		MC									
			040	CA .04		CA									
			040	CA .04		CA				sd					
↓	150.16		030	dksh .03		dk sh.									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
25	150.16		030	dkgrsh .03											
			(170)	MC .17											
FLOOR		150.42	060	CA .06											
			030	CSH .03											
			060	dkgrsh .06											
	150.58		070	grsh .07											
	150.81		090	SSW .23											
	151.20		090	VFS .39											
					496' (151.18)										
(26)			460												
					Bar 69										
			140	fs 1.20											
	152.22		420												

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	15222		100			fs. weak lim, calc. v									
			150	.16		ssh. calc. v									
			230			vfs									
				.39							1.33 1.52				-0.19
			360			Same as above									
			230	.73		ssh. sh blun.									
					B-170										
			290	.09		crsh. ss sh blun at top									
26	15411		340	.34		sh. ssh fine sand									
↓											1.52				-1
↑			270			sh. weak sand									
				.92											
21	15503		650			Same as above									
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 66

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	155.03		100	grsh .10		gr sh									
			050	dksh .05		dk sh in dk gr sh, c lens									
			030	grsh .38		gr sh									
						— 511' (155.25) —								-7	
			120	dkgrsh .12		dk gr sh c lens									
(21)			060	sh .06		sh (massive)									
			070			dk gr sh, c stringers									
				dkgrsh .11	Box 7'										
			040			Some in above c calc. voids									
			070	grsh .07		gr sh									
↓	156.05		130	grsh .13		cr sh									
↑															
(22)	156.17		120	ssw .12		ssw									
↓															



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	156.17		220	vfs .22		vfs.				sd					
			240	ssh .24		ssh									
			540			vfs, ssh, lamoy ssh. lami									
				vfs .62		— 516' (157.28) —								+B	
			280			same as above									
			290	ssh .29		ssh									
			130	vfs .13		vfs, ssh band x 1									
32	1570 <sup>39</sup>		220	ssh .22		ssh sh lami									
↓					Box 22										
↑			230	ssh .23		ssh, vfs, sh lami									
36			230	vfs .23		vfs, ssh lami									
			130	crsh .13		crsh, ssh lami									
↓	15870		220			sh									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 68

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
															+1.
		158.70		230	sh .25					same as above					
				200	ssh .20					ssh. info band. blue					
				180	vfs .18					vfs. ssh lamina band					
				120	ssh .12					ssh. sh lami					
				300	sh .30					sh. pt frag. C lami name					
				300	vfs .30					vfs. sh band at middle					
				260						sh					
					sh .32	2073									
				260						same as above					
		160.32		170	ssh .17					ssh. info sh band					
															+10
	↓														

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	160-32		290	crsh .29		cr sh.									
			100	ssh .10		ssh									
			170	crsh .17		crsh. sh band									
			120	sh .12		sh. calc. veins 1									
			130	crsh .32		cr sh. calc. vein 1									
			250			ssh ; vfs band at middle									
				ssh .33		— (531' (161.25)) —									-28
			280			ssh.					br				
			490			vfs. sh bands, vertical crack.									
					20074										
	16234		500	vfs 1.92		vfs. sh blun									
						— (533' (162.46)) —									+16

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 20

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r, a, d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	162.34		470	↑		ufs. sh lami & band name, x lami									
			260			ufs. x lami									
26			800			fs. weak lami									
						————— 538" (139.98) —————									+1
			300	fs 1.33		Same as above									
					Box 75										
			230			Same as above									
			700			ms fs, weak lami									
				ms 1.34		————— 541" (137.90) —————				0.83 0.92					-0.04
			1040			ms ~ fs, weak lami, bk lami x1 course 2 ftm									
	166.30		560	↓		fs. weak lami									
					Box 76										
↓						————— 446" (113.42) —————				1.60 1.52					+0.08





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	170.93		030	0.03		CSH									
		170.99	030	0.03		CD	Fr. laminae			sd					
			030	0.02		CB									
			060	0.06		CA				sd					
			030	0.08		CC									
23			090	0.09		CB									
			030	0.02		CA				sd					
			090			CA									
			050	0.05		CB	vit. laminae			sd					
			060			CB									
			060	0.06		CC				sd					
	176.53		010	0.01		CD									
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 74





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
17220			12°	} CB .17		CB										
			250			Same as above.										
			220	} CA .02		CA										
			230			} CD .03	CD									
			250	} Csh .05			Csh, F									
23			220			} CD .02	CD									
			180	} CB .18			CB ~ CA . calc. film									
			120			} CA .12	CA ~ CB . calc. film									
			230	} CD .03			CD, F.									
					Box 79											
			350	} CA .35	CA ~ CB . calc. film											
			09°		} CB .09	CB										
V	17329		230	} Csh .03		Csh, F										



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
					Box 80										
	174.73		10			CA									
			230	CB .03		CB				sd					
			220	CA .36		CA									
	175.22		140			CA				br					
FLOOR						575' (175.26')					1.57 1.52			10.05	
			140	grsh .14		gr sh				sd					
			200	ssh .20		ssh				"					
			140	crsh .14		cr sh		pt frag		"					
			260	grsh .06		gr sh				"					
			220	CA .02		CA				br					
			040	MC .09		MC									
			120	dkgrsh .12		dk gr sh		c lens		sd					
			040	MC .09		MC									
	176.05		070	CA .07		CA									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 28

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	176.05		020	dksh .02		dk sh									
			020	cs sh .02		cs sh			sd						
			020	CA .02		CA									
			040	dkgrsh .09		dk gr sh			sd						
			030	CA .03		CA			br						
			010	dkgrsh .01		dk gr sh			sd						
(20)			020	dksh .02		dk sh									
			040	dkgrsh .04		dk gr sh			br						
			(080)	MR .08		MR									
			030	dkgrsh .03		dk gr sh			sd						
ROOF	176.36		010	CA .17		CA									
			160			CA pulverized			br						
			<del>210</del>			<del>CA</del>									
			050	CB .05		CB			sd						
V	176.61		030	CA .03		CA			br						

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 29

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	176.61		0.30	CB .03		CB				br					
						----- 500' (176.70) -----									
			0.60	CA .11	B-081	CA				br					
			0.50			CA					br				
			0.40	CB .04		CB				scaly br					
			0.60	CA .15		CA									
			0.90		CA					br					
			0.20	CC .02		CC	scaly			br					
			1.70	CA .20		CA				br					
			0.30		CA		CA	pulverized			br				
FLOOR		?	270	MC .27		MC									
20	177.43	177.48	0.50	algrostr .05		dk gr sh, c. lami				sd					
↓															

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	177.48		140	SSH 3.14		SSH	pt frag								
		177.71	090	Vt 3.09		ufs				sd					
			700			fs	c lens								
						--- 506" (178.4') ---					$\frac{50}{1.83}$			-0.25	
			610	fs 1.98		fs	c lens none			sd					
					Box 82										
			690			fs	#			sd					
			630	dkgrsh .18		dk gr sh	c stringers								
26			150			Same as above				sd					
						--- 591" (150.1') ---					$\frac{132}{1.53}$			-0.15	
			050	MR 3.05		MR									
			190	dkgrsh .31		dk gr sh	c stringers			br					
	18023		120			Same as above				br					
↓															

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	180.23		270	{ sh .47											
27			270	{ ssh .27											
					(Box 23)										
↓	181.04		270	{ vfs .07											
↑			140	{ crsh .14											
			170	{ ssh .17											
			150	{ sh .15											
			060	{ crsh .36											
			300												
30			120	{ vfs .12											
↓	182.8		200												
↓															

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 22

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	18218		060	ssh .26											
(30)			120	crsh .13											
↓		18242	250	sh .05											
33			120	dkgrsh .12											
			050	sh .05											
			160	vfs .16											
			180	fs .18											
			060	sh .06											
			060												
				fs .08											
↓	18307		000												
(20)	18334		270												

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 23



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
20	183.34		200	.67		gr sh				sd					
			200	.08		dk gr sh				r					
	183.82		050	.05		CA				sd					
			080	.08		CB									
						20.5' (184.40')					$\frac{2.25}{2.24}$			-0.29	
			(560)	.56		MC									
	184.66		150	.15		CA				semif br					
			040	.04		crsh				r					
			(030)	.03		MR									
			050	.05		gr sh				r					
			020	.02		CA				br					
			(040)	.04		MC									
23			060	.06		crsh + grsh									
(22)	185.23		030	.33		ssh				sd					

DRILL CORE LOG

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
1	185.23		0.27	vfs .08		vfs									
			2/0	ssh .31		ssh. sh irreg. fine lam									
			1.50	sh .15		sh. ssh vague. fine lam									
					Box 85										
22			0.50	dkgrsh .05		dk gr sh. - lam									
			0/0	dksh .05		dk sh. - stringy									
			0.40			dk sh. - lam									
	185.88		0.10	CA .01		CA									
			(080)	MR .08		MR									
			0.90	dkgrsh .09		dk gr sh.									
V	186.13		0.00	grsh .08		gr sh									
↑			1.10	vfs .11		vfs ~ ssh sh lam									
(29)															
↓	186.41		1.20	crsh .17		crsh. ssh thin. pt frag									

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 25

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS							
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.								
↑	186.41		290	} grsk .29		gr sh																
																290	} vfs .09	vfs, muddy, calc. vein				
			210	} fs .81															fs # vfs at botm			
																———— 816" (127.26) ————					1.24 1.20	
			130	} vfs .58												vfs. dk.						
																	100	} fs .10	fs			
			330	} vfs .56												vfs. irreg. lam.						
																	150	} ssk .28	v/s. <sup>ssh</sup> lam.			
			400	} ssk .28												v/s. ssk blue lam. (43)						
																	189.12	280	} ssk .28	ssh, v/s blue lam. (43)	1.52 1.52	
———— 801" (129.29) ————																						

Bar 86

DRILL CORE LOG



**Quintette Coal Limited**  
**1987 Exploration Report**  
**Descriptive Log**  
**QHD87012**

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r. a. d. d. o. b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
			8.34	ob 8.34		overburden									
					Box 1	— 22' (8.53) —									
39	8.34		1.70	vfs 1.17		vfs sh lam at top									
			0.60	sh 1.06		sh vfs irreg lam									
			0.80	vfs 1.28		vfs sh band									
			0.80	sh 1.20		sh vfs lam									
		9.05	1.00			sh vfs lam at bot									
			0.80			vfs sh irreg lam at bot 15cm									
						— 22' (8.75) —									
			3.00			vfs lam									
(40)		10.25	1.20			vfs weak lam									
					Box 2										

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. QHD 87012  
PAGE No. 1 of 66

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
10	10.25		550	↑ vfs 2.16		vfs	weak	lami		sd					
							———— 37' (11.25) ————								
			140				Same as above								
	11.21		170				vfs								
			110		{ sh S.11		sh. sh. wagne lami at top								
			130		{ vfs S.13		vfs sh band at top								
			060		{ sh S.06		sh.								
			110				vfs sh lami								
			030				vfs sh lami band								
			120		{ vfs 11.02		vfs weak lami								
						———— 40' (12.19) ————									
34			150			vfs weak lami									
	12.21		080	{ sh S.08		sh sh lami at top									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑					Box 3											
	1221		110	} vfs .27							br					
			150									sd				
			140	} sh .21							br					
(34)	12.69		970									sd				
↓			100								br					
↑			740	} vfs .25							sd					
			700								sd					
(41)					Box 4											
			860								sd					
↓	1550		410													

DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 3





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
41	19.60		170	↑		Same as above.				sd					
		19.90	130			vfs. laminated					"				
			060	} ssh .06		ssh. sh lami					"				
			100			} vfs .13	vfs. sh patch, glauconite.					"			
			040	} sh .04			sh.					sh			
37			040			} vfs .34	vfs. weak lami, sh patch					sd.			
				} vfs .39											
38			090			} vfs .39	vfs. weak lami					sh			
			140	} sh .35			sh. vfs band at middle					"			
						} sh .35	— 70 (21.04) —								
			070	} sh .35	sh. vfs band						sh				
		21.21	140		} vfs .14	sh. ssh lami zone, sand pipe					sd				
42	21.35		140	} vfs .14		vfs. laminated					"				

Box 7

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
42	21.35		120	ssh .12		ssh	sh	lami		br					
			170	vfs .17 64		vfs	x	lami		sd					
						———— 70' (22.95) ————					+03				
			290	vfs .39		vfs	weak	lami		sd					
			250	sh .05		sh	ssh	regular	lami	v					
			230			vfs	sh	band		br					
				vfs .89	Box 8										
41			620			vfs	laminated			sd					
			040	vfs .03		vfs	sh	band		br					
						———— 26' (23.16) ————					+12				
			170	sh .17		sh	vfs	band	ssh	lami	v				
			100	vfs .10		vfs	lami								
V	2330		060	vfs .06		vfs									

DRILL CORE LOG



HOLE No. \_\_\_\_\_

PAGE No. 8



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑															
	24.82		060	↑ CB .13		CB				sd					
			080	CA .08		CA ~ CB				sd					
			060	CB .06		CB				"					
			100			CA ~ CB				"					
(40)			040			CA				br					
			050			CA ~ CB				sd					
			050	CA .30		CA				sd					
			030			CA				br					
			030			CA									
			020	CB .02		CB									
			090			CA									
↓	2543		090												

2543  
DRILL CORE LOG



HOLE No. \_\_\_\_\_  
PAGE No. 8

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	25.43		020	CA .11	1120	CA										
			020			CB					sd					
			050	CB .10		CB										
			030			CB					sd					
	25.55	25.75	200	CD .20		CD										
	25.75		210			CB & CC, py lamina					sd					
			140	CB .35		CB										
(40)			050	CC .05		CC	py				sd					
			130	CB .13 1.5		CB										
			(130)	MC .13		MC										
	26.41		050			dk gr sh					pr					
				dkgrst .12	Box 10											
↓	26.53		070		dk gr sh					sd						

FLOOR

DRILL CORE LOG





B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
		27.74	050			dk gr sh									
			050			dk sh, c stringers				sd					
			040			dk gr sh									
		27.91	030			same as above				br					
		28.14	030	gr sh .23		gr sh pt frag				sd					
			460	sh pt.46		sh				br					
			(120)	MR .12		MR ——— 95' (28.96) ———					-.06				
41			180			sh pt fossil, c lams				sd					
				sh .23	Box 11										
			050			Same as above				sbml sd					
			070	dkgr sh .07		dk gr sh, c lam, scaly				br					
		29.34	020	sh .32		sh (condensate lay)				sd					

DRILL CORE LOG



Quintette Coal Limited

HOLE No. \_\_\_\_\_

PAGE No. 11

AM

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO.	FROM	TO	COMP. NO.
29.34		310	↑		[Grid]	ssh, sh blan. (under clay) sd.				
		550				ssh, sh irreg. lami	"			
	ssh 1.43					— 100' (30.48) —	-04			
		570				ssh, sh lami	sd			
	crsb .17	170				crsb ssh lami				
						Box 12				
		830	40	1/2		sh, ssh fine vggue lami				
	sh .94					— 105' (32.00) —	+05'			
		110	↓			Same as above				
	ssh .73	420	↑			ssh, sh, fine lami (irreg.)				
		310	(41)		Same as above					
3299		280	↓		sh, ssh vggue lami					



FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
						Box 13				
32.99		190	41°			Same as above	sd			
		290				Same as above				
		110				ssh. sh lami				
		210				sh. weak lami	sd			
		750				ssh w/ sh lami. w/ band				
		100				crsh ssh blue lami				
		070				ssh. irreg. lami				
25.02	210	(40)				sh. ssh irreg bands	sd			
						Box 14				



FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO	
37.85		420	↑	sh .61	[Grid]	sh					
		430		crsh .22		crsh	sd				
		480		sh .18		sh	mid patch				
		510		crsh .61		crsh	ssh. vague fine sand				
						———— 30' (39.52) ————	-09				
		490	↓	sh .73	[Grid]	sh					
		401.01		sh		Box 16					
		510	↑	grsh .31	[Grid]	gr sh, c lens.					
		530		sh		sh					
				sh .60	[Grid]	———— 35' (41.15) ————	+04				
		4092	↓	sh		Same as above					

R(33)

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
40.92		130	40°	crsh .13		Cash, ssb lami				
		540				ufs. Cash lami				
				vfs .88		Box 17				
		340				ufs. Cash lami & band				
		450				sh. ufs blur at top				
				sh .57		————— 140' (40.67) —————				+03
		120				sh				
		100		crsh .12		Cash				
		140		ssh .14		ssh, ufs band, Cash band				
42.76	42.83	070	↓	crsh .07		Cash				
		200	↑	grsh .20		gr' sh				
R		090	↑	dkgrsh .09		dk gr' sh				
43.12		030	(41)	dksh .03		dk sh				br
F		43.41	(260)	MC .26		(MC)				
		43.62	↓	dkgrsh .21		dk gr' sh. @ lens				sd

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
43.62		240	↑			gr sh, fl	sd.			
						Box 18				
		090		grsh .83		Same as above	"			
						————— 145' (44.20) —————	-21			
		310				Same as above	sd.			
		190				"	br			
		(180)		MR .18		MR				
		050		dkgrsh .05		dk gr sh	) sd			
ROOF	44.68	030		dksh .03		dk sh, c lami				
		070		cc .07		cc	) semi sd			
		020		CA .02		CA				
	45.05	(150) 100		mc .15 cb .10		MC cd. vit. lami	) sd			
		160	41°	dksh .16		dk sh, vit. lami				
	45.28	070		dkgrsh .07		dk gr sh	) sd			
			↓							

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO.	FROM	TO	COMP. NO.
45.28	45.46	150	↑	CA .18		CA & CB mixture	bn			
45.46		230		CSH .03		CSH	) sd			
		260		DKSH .06		DK SH				
						————— 150' (45.72) —————	-25			
		170	(41)	DKGRSH .17		DK GR SH. c Lami				
		260		GRSH .06		GR SH				
		270		CRSH .04		CRSH, GR				
45.82		100		DKSH .10		DK SH, Bony				
		260		CSH .05		CSH, Bony	) sd.			
		220		CB .02		CB F Lami				
	46.02	230		DKSH .03		DK SH	) sd			
		230		DKGRSH .02		DK GR SH				
		220 230		DKSH .02		DK SH, c Lami				
	46.10	240 250	↓	CC .04		CC NCP				

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO	
46.10		060 <del>076</del>	↑			CD ncc. vit land					
		030 <del>040</del>				dksh	dk sh				
		060 <del>078</del>				dkgrsh	dk gr sh	)			
						dkgrsh .20	Ben 19				
		140 <del>170</del>				dkgrsh	dk gr sh, c lens	)			
			(41)		————— 153' (46.53) —————						
46.68		290 <del>320</del>	↓			grsh, c lens					
		120 <del>140</del>				dkgrsh .12	dk gr sh, bony	)			
46.80		080	↓			CD ncc vit land					
46.94		030				cksh	cksh				
		030				dksh	dk sh c land	)			
		080				dkgrsh .08	dk gr sh				
47.06		040				dksh	dk sh				







FROM	TO	APP. THICK.	BCN	TT		LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO	
48.60		170	↑	cc .17	↑	[Lithology Column: A vertical column with a grid pattern, representing the lithological profile of the well.	cc					
			(40)									
48.85		120	↑	grsh .12			gr sh.					
			(110)	MR .11			MR					
		040	↑	grsh .09			Same as above					
49.12	49.36	(240)	↑	MC .24			MC					
	49.49	130	↓	grsh .13			gr sh. c lami					
		080	↑	vfs .28			vfs					
	50.02	050	↑	fs .25			fs. ash band at top					
								← 165' (50.29) →				
		140	↑	crsh .14		cr sh. pt fossil						
		050	↑	vfs .05		vfs						
		060	41°	dkgrsh .06		dk gr sh. c lami						
		140	↑	grsh .14		gr sh. c lami						
	50.54	130	↓	sh .13		sh. ash lami						
			↓									

FLOOR

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO	
50.54		090	↑	vfs .09	[Grid]	vfs					
		170		ssh .17		ssh, lam'					
		070		vfs .07		vfs, lam'					
		210		ssh .21		ssh, vfs lam'		sd			
		110		vfs .11		vfs, sh lam'					
		120		ssh .12		ssh					
		090		crsh .09		crsh pt fossil					
								170' (51.02)			
		020	39°	dkgrsh .02	[Grid]	dk gr sh					
		120		crsh .12		crsh					
		280		vfs .28		vfs, lam'				sd	
		140		grsh .14		gr sh					
		160		sh .16		sh, crsh wogua lam'				sd	
52.32	500		↓	grsh .20		gr sh				sd	

LITHOLOGY LOG:

LOGGED BY:

HOLE NO:

PAGE 28

OF

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
52.32		180	↑	ufs .18	[Patterned Column]	ufs. sh band	sd			
		120				sh. ssh blue				
				sh .27		Box 22				
		150				Same as above	sd			
		250		ufs .05		ufs				
		260		sh .06		sh. ufs band				
						————— 175' (53.34) —————				
		(260)		MR .26		MR.				
		270		sh .21		sh. ssh blue.	sd			
		270		ssh .46		ssh. sh blue & lam				
		190				Same as above				
		340	42°	crsh .34		crsh. sh lam				
		150				ssh. sh blue & lam				
5450		170		ssh .43		ssh. ufs blue.				
			↓	↓						

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
						———— 180' (54.86) ————	-16			
54.50		280				ssh, vfs band at top				
		190				vfs, ssh lam				
		100				ssh, vfs blue lam	sd			
		120				vfs, ssh very lam				
						Box 23				
						Same as above				
		140				sh, vfs wagne lam				
		150				vfs, ssh, lam band				
		180				ssh, vfs lam & band	sd			
		260				vfs, ssh lam & band				
		300				ssh, vfs band at btm				
		070								
						———— 85' (56.49) ————	+08			
56.18	070					Cash, vfs band at top				

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
		120	↑	ssh .12	[Patterned Column]	ssh. vfs blue	}			
	590	fs .69		fs. sh & ssh band		sd				
	110			ssh. vfs blue						
				ssh .30		Box 4				
	190		↑		[Patterned Column]	ssh. vfs vague lami	}			
	110	vfs .11		vfs. sh band x 1		sd				
	190	ssh .19		ssh. irreg. lami						
	130	42		fs. ssh lami x 1						
				fs .39		190 (57.91)	t.09			
	260		↑		[Patterned Column]	Same as above	}			
	500	vfs .50		vfs. ssh lami & band		sd				
	200	fs .20		fs. ssh band at middle						
	07-	vfs .07		vfs. ssh irreg lami						
5915	400	ssh .40		ssh. sh lami, vfs band & blue						

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
59.15		070	↑	{ vfc .07		v/s				
						Band 5				
		090				ssh. sh blue & lani				
				{ ssh .33		195' (59.44)	t.06			
		040				ssh. v/s band				
		060		{ sh .06		sh				
		300				v/s. ssh irreg. lani & band				
		93.42°				Same as above calc. v. x 1				
				{ 2.58		200' (60.96)	t.04			
6124	40°					v/s. ssh irreg. lani & band				
			↓			Band 6				

R(5b) →

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO		
61.24		950	↑	}	[Grid]	Same as above						
		160						ssh, vfs band sl, irreg lam				
								calc. v. cracks.				
								ssh 0.19	205' (60.48)	T.03		
		230	(42)	}	[Grid]	Same as above						
		310					vfs .31	vfs, ssh irreg. lam				
		300					ssh .30	ssh, irreg lam, crsh irreg band.			sl	
		250					vfs .25	vfs, ssh irreg band				
						Box 7						
63134		100	↓	}	[Grid]	crsh, vfs blue lam						
		490						vfs, irreg. lam				sl
			(40)	}	[Grid]							
							vfs 1.05	210' (64.01)	T.01			
6439		560	↓			Same as above						



FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO.	FROM	TO	COMP. NO.
64.39		530		ssh .83	[Grid]	ssh. sh lami (irreg.) v/s band	50			
		100				v/s. ssh lami (irreg.)				
							Box 28			
		280		v/s .33			Same as above	50		
							15' (55.53)	108		
		1150		ssh .20			v/s. ssh band = sh band at top	50		
		200					ssh. v/s blue. irreg lami			
		160					v/s. irreg lami			
				v/s .34						
						20' (67.06)	⊕			
		150				same as above	50			
67.31		220	40	ssh .77		ssh. v/s blue. sh irreg. band				

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
						Box 29				
67.31	67.86	550	(40)			ssh, sh irreg. lami & band				
		330	↑			crsh sh irreg. lami				
		250				sh, c lens nose				
						———— 205' (68.58) ————				4.04
		970	41°			sh, weak lami, c lens pt frag				
						sh				
						Box 30				
		510				Same as above				
						———— 230' (70.10) ————				⊖
		260				sh, c lens, weak lami				
		560				sh, #, c lens nose				
		70.99	250			sh, weak lami, c lami				

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
70.99		370	41°	} dkgrd .42		dk gr sh, c lam				
		050					same as above			
	71.42	010	↓	} dksh .01		dk sh, c stringers				
						————— 235' (71.42) —————				
						Bar 21				

BOX 30 (235)

235 = 7/1/63

1-2P  
#2  
#5

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
41						87012										
						Box 31										
						± 1" F										
	71.42		020			0	dkgrsh	w/c lami		br						
ROOF	71.44		090				CA			SD						
			030				CB			Same br						
			130			(MC)	SA	w/c lami		SD						
			050				CB			SD						
			070				CB			SD						
			020			(F1)	CB									
			080				CC	i (con CB)								152 - 129 = 23
(4)			100				CA			SD						
			020				CC									
FLOOR			070				CD									
	72.10		120				CSH	- CD		SD						
			090			(F2P)		same as abv		SD						
			020				dkgrsh									
		72.43	100				dksh			SD						
ROOF			080				CC									
			020				CC									
			100				CB			SD						
			080				CA	i CB		SD						
V	72.78		090				CA			powder						

DRILL CORE LOG



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
41	7278		060	CB 06		CB				SD					
			(100)	MC .10		MC	240	= 73.15 <sup>v</sup>			-0.23				
			0.020 0.15	CB .02		CB			Semi	SD					
			110			CA	with F lami	base		SD					
			060 065			CA ~ CB				SD					
			230			CA				} SD					
			100			CA ~ CB									
			080			<del>CA</del> CA ~ CB				SD					
						BOX 32								1.53 - 1.50 = 0.03	
(41)			030	CA		CA ~ CB				} SD					
			060	1.29		CA									
				1.54											
			320			CA				SD					
			110			CA ~ SA				SD					
			120			CA				Semi br					
			070			CA									
			070	CB .07	24	CB									
			100	CA .12		<del>CB</del> CA									
	74.44		020			CA ~ CB				Semi br					
							245	= 74.68 <sup>v</sup>			-0.03				

BOX 31 ~ BOX 32

DRILL CORE LOG

 Quintette Coal Limited

HOLE No. 10/012  
PAGE No. 2 33





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	77.55		140	grsh .14	BOX 34	grsh w/ c lami ~ c lense									
42			130	ssh .13		blwr ssh ~ crsh, on lgy									
			180			grsh w/ c lami x 3									
				grsh .55											
↓			370			grsh, slightly dk, sh crumble					SD				
↑			410	vfs .41		blwr vts ~ ssh w/ sh faint irr lami									
			100	ssh .10		ssh									
			100			crsh									
				crsh .22		-260 = 79.25 - v								-51	
			120			crsh w/ ssh stringers									
			220	vfs .22	blwr vts ~ ssh w/ sh faint irr lami					SD					
41			020	CA .02	cr										
			150	sh .15	sh // vts					SD					
↓			100	crsh .10	crsh w/ ssh stringers										
↑			240	grsh .24	grsh					core switch					
			200		ssh										
				ssh .29	BOX 35										
(42)			090			ssh w/ sh stringers irr.					SD				
			480	grsh .63		grsh									
	80.75		150			grsh									
↓					265 = 80.77 (14#16) x 2								+25		

BOX 33 ~ 35

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87012

PAGE No. A-5 36



490  
210  
280

F

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
42	80.75		020	grsh .02		crs h										
			240	ssh .24												ssh w/ sh faint laminae rare
			130	grsh .13												
			080	vtc .08												vtc w/ sh laminae
			280	grsh .42												
			140	grsh												grsh
			070	ssh .07												
			280	grsh .28												grsh w/ ssh laminae (rare) (xv) (t)
			180	ssh												
				ssh .34												ssh
		160	ssh	ssh												
		560	grsh		grsh, slightly dk, crumbly											
		280	ssh	ssh												
		380	grsh .41		grsh											
		190	ssh	ssh												
		275 = 83.82	ssh		ssh											
		40	grsh .50	grsh w/ dk gr laminae												
43F	84.24	500	grsh .50		grsh											

BOX 35 ~ 36

-10

SD

+04  
SD

No plant

face 2

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 39									
	88.45		150			grsh w/ flami lens									
(38)			200			grsh									
			070			grsh									
			(200)		(MR)	292.5 = 89.15									
			190			grsh w/ only sh in bottom									
	89.67		410			grsh w/ ml band x3									
			040			dkgrsh w/ c lense									
41			300			grsh w/ c lami wing rock									
						295.5 = 90.07									
			050			dkgrsh w/ c lami									
			200			grsh									
			170			dkgrsh w/ c lense									
			180			dkgrsh w/ c lense									
						Box 40									
	90.90		290			dkgrsh w/ c lami, stringer									
			100			grsh									
(42)	91.36		(360)		MR	300 = 91.44									

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
42 <del>57</del>	91.36		180	grsh .18		grsh										
↑																
↓	91.54		150			dk, small rice cgl										
42			430	cgl .68		small rice cgl										
			100			rice ~ pebble cgl										
			320	cs .52		Crs. ~ small rice cgl										
			200			Crs.										
			220	MR .22		<b>MR</b>										
						- 305 = 92.96 -										
						Box 41.										
			100	cs .30		same as abv										
			200			small pebble w cr. ss. & riv.										
			430			small pebble cgl										
			500	cgl .93		pebble cgl										
✱	94.19		210			fs - ms										
				fs .51												
			310			310 = 94.48										
			300			fs										
37			080	ms .08		ms										
			130	cgl .13		rice cgl										
			100	cs .10		Crs.										
↓	95.10		090			rice cgl										

DRILL CORE LOG

Box 40 ~ Box 41



HOLE No. 87012  
PAGE No. A-9 40



B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	it.	
37	98.37		010	vfs .01											
			190	fs .19											
			070	cs .07											
			110	fs .11											
			230												
				cgl .42											
	99.17		190	fs .11											
			110	fs .11											
			130	ms .13											
			160	fs .16											
			070	cgl .07											
			060												
(42)			270	fs .33											
			230	ms .33											
			100	MR .10											
			120												
	100.65		130	ms .55											

dk v/s  
fs w/ small rice very rice } SD

cr. ss w/ rice ~ rice cgl  
fs  
pebble in rice cgl } SD

325 = 99.66  
same as abv  
fs } +.04

Box 44  
ms  
fs } SD  
rice cgl  
fs } Semi SD  
br

fs/ms w/ rice ~ pebble cgl band x2 } Semi SD

ms w/ weakly lam' } SD  
same as abv } br

(MR) 330 = 100.58 } -.20

ms  
ms w/ crss band } 780.5 fm

core  
FLV  
uvm



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	100.65		300	↑		ms w/ rice cgl band					so				
			060	cgl .06		rice cgl					br	} broken			
			100			fs					br				
			220			fs					br				
				fs .44		Box 45									
			120			333 = 101.49					+05				
			050	sh .05		fs									
42			470			sh/ffs									
				fs .75		fs #									
			280			fs #									
42			030	dkgrsh .03		dkgrsh ffs					so				
			050	grsh .05		grsh w/ clams									
			060	ms .06		ms									
↓	102.46		070	cgl .07		pebble cgl									
↑			150			fs #									
			210			fs #									
						338 = 103.02					+04				
			460	fs 1.76		same as abv #									
						Box 46									
			730			same as abv					so				
47P	10422		200			same as abv									

DRILL CORE LOG







5 120 60  
180  
42

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS				
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.					
↑	108.98		110	} cs .07	BOX 49	pebbles - cobble cgl					SD	[Stamp]							
			070			cr. ss													
			400			small pebbles - pebbles w/ cr. ss													
			130			pebbles w/ cr. ss													
			150	} cgl 1.32		same as above													
			570			pebbles - cobble cgl													
			070			pebbles cgl w/ pebbles													
							- 3635 = 110.79						+0.4						
		④				060	} ms .06		ms										
						250			rice - pebble cgl										
	300			fs w/ cr. ss band							1.07 - 1.28 = ⊕								
	110			} fs .54	fs														
	130				fs														
	340			} cgl .34128	cgl (rice - cobble)														
	050				cr. ss														
						- 367 = 111.86 ✓					+2.1								
↓					050	} ms .05	BOX 50		residual ms					SD					
					210				rice - cobble										
			060	cr. ss w/ rice cgl															
			400	rice - cobble cgl															

BOX 48 - BOX 50

DRILL CORE LOG



HOLE No. 870 12  
PAGE No. A 11 / 45



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	114.39		050							SD					
42			660	fs 90						same as above w/ wavy laminae SD				153 - 153	
↓			190												
↓			150	cgl .15						same as abv pebble cgl	SD				
↑			150	vfs 3.9						uts					
40P			190							382 = 115.82 ✓					
↓										uts					
										BOX 52					
38P			060	cgl .06						pebble cgl	SD				
↓			440	vfs .44						(fs) vts					153 - 156
↓			080	fs .08						ts w/ rice ~ pebble					
28P 44P			130							rice ~ pebble cgl					
			180	cgl .31											
			110	vfs .11						pebble cgl	SD				
			090	cgl .09						dirty pty vts					
			010	dksh .01						rice ~ pbl - cgl					
			100	cgl .10						dk sh					
			140	cs .14						rice ~ pebble - cgl					
										en ss					
										385 = 117.38 ✓					
↓	117.17		050							rice cgl	4.03				

DRILL CORE LOG

710  
52

Box 51

Box 52



Quintette Coal Limited

HOLE No. 87 0 12

PAGE No. 47

54  
28  
26

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑				↑ CA		BOX 54									
	119.96		040	.07		CA ~ CB				SD				153 - 130	= 9
			②210	.21		MC - 395 = 120.29					-123				
			150			CA ~ (CB)				SD					
			180	.30		CA				SD					
			020			CA									
			010	.01		CA									
			050	.05		dk grsh				SD					
444	120.57		060			CA									
				.16											
FLOOR			100			CA				br				152 - 152	= 0
	120.73		100	.10		dk crsh									
			180			dk ssh									
44			260			dk ssh									
444			160			ssh w/ dk grsh lam.									
										SD					
			270	1.13		ssh w/ sh lam.									
						-400 = 121.92									
			440			same as abu									
			120			ssh									
ROOF	121.96		120			CA ~ (CB)				SD					
			020			CA									
				.33											
					120	BOX 55									
			040			CA									

BOX 54 ~ BOX 55

DRILL CORE LOG



HOLE No. 87012

PAGE No. 18 49

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	117.17		240	↑											
			500	cgl 1.53				rice ~ bean cgl pebble cgl		SD					153 - 153
								BOX 53							
(41)	118.65		740					pebble cgl		SD					
								- 390 = 118.87 -			+0.1				
			120	cgl .18				same as above		SD					
	118.83		060					rice ~ small pebble							
ROOF	↑	118.83	050	MC .05	15			CB ~ CC							
			070	.08 .07	080			CC ~ CD		SL SD					
			080	.06	080			CD							
			070	.15	070			CD ~ CC							
	119.16	119.27	110	dkgrsh .11				dkgrsh		SD					
			020					CA							
(44)			060	CA .20				CA							
			120		120			CA ~ (CB)							
			030	CB .03				CB							
			080	CC .08				CC		SD					
			060					CA ~ CB							
			080	CA .30				scaly CA		SD					
			160					CA							
			050	CB .05				CB ~ CC		SD					
↓		119.96	030					CA							

BOX 52

DRILL CORE LOG



Quintette Coal Limited

HOLE No. 87012

PAGE No. A17 48

63  
66

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
44	122.14		150		130 090		CA			SD					
			110	CB .11			CB			semi br					
			100	CA .10			CA								
			030	CB .03			CB			} SD				152 - 150	0.52
			040	CC .04			CC								
			050	CB .05			CB								
			050	CA .05			CA~B			semi br					
			030	CB .03			CB			br					
	FLOOR	123.22		520		MC .52	MC	MISSING							
								-405 = 12344				-52			
	123.22		010	CSH .01		CSH									
			250	grsh .25		grsh w/ clense									
42	123.62		140	SSH .14		SSH bliv cross									
			220			SSH w/ sh lamis									
				SSH .29											
45	123.10		070			same as abv									
54			560	VFS .56		UTS w/ sh lamis									
	124.56		090	SSH .09		SSH									
						Box 56									

DRILL CORE LOG

Box 55



HOLE No. 87012  
PAGE No. 19 50

41  
43

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						BOX 56									
	↑	124.56	200	vfs .20		fs w/ sh lamina' SD									
						410 = 124.96 97 v					+0.1				
			100	ssh .10		ssh									
54		125.19	330	vfs .33		fs w/ sh faint lamina' } SD									
	↑		740			fs w/ weakly or sh faint lamina rare									
52			370			fs w/ dk sh faint lamina & speckled					SD				
						- 415 = 126.49 v					+0.2				
			300	fs 1.84		fs w/ sh faint lamina									
			350			BOX 57									
	↓	127.03	080			fs w/ sh faint lamina									
	↑		280	ssh .28		ssh ~ fs w/ sh faint irr. lamina & C-lenses									
			290	vfs .29		fs w/ sh faint irr lamina									
			160			crsh w/ ssh lamina rare									
			080	crsh .24		420 = 128.02					-0.07	SD			
			170			Same as abv.									
						bluv ssh w/ sh faint irr. lamina									
57		128.74	730	ssh .90		ssh w/ sh irr. lamina or sh bluv ssh w/ sh irr. lamina faint									
	↓					BOX 58									

856 ~ 57

DRILL CORE LOG



HOLE No. 87012  
PAGE No. 51

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
						Box 58									
↑	128.74		350	} ssh .62		ssh w/ sh lami'									
40			270												
↑			100	} crsh .10		- 425 = 129.54 crsh (sh?)									
42			490												
↓			240	} sh .73		sh // ssh w/ vts band sh w/ sst lami' rare									
38			650		} grsh .65							grsh w/ c-striated rare 430 = 131.06			
↓			350												
↑			160	} grsh .71		Box 59 grsh w/ ml band rare shdk, grsh w/ c lami' ⊙ grsh									
40			200												
↓	131.80		250	} dkgrsh .25		dk grsh w/ c lami' ⊙ crsh									
↑			100		} crsh .10							ssh blw vts w/ sh faint irr. lami'			
			130	} ssh .13			250 } vts .25								
			070		} ssh .07							ssh w/ sh faint lami'			
↓	132.35		435				435 = 132.58								

Box 58

DRILL CORE LOG



HOLE No. 87012  
PAGE No. 2/52

66  
42



B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
	132.35		300	ufs .30	38	ufs w/sh faint laminae rare					SD				
			200	ssh .20		ssh w/sh laminae									
	133.03		180	crsh .18		crsh w/ssh irr. laminae									
			730		BOX60	grsh w/c stringer rare SD									
			100	grsh 1.05		grsh SD									
			220			440 = 134.61					-0.02				
			220	ufs .22		grsh									
			080	ssh .16		ufs					SD				
			080			ssh w/sh band x1									
			420	crsh .42		bluv ssh w/sh irr. laminae 43									
			200	ssh .20		crsh w/ssh band containing sh curv. laminae									
			080	ufs .08		bluv ssh (shaly sh)									
						bluv ufs									
			130	fs .13	BOX61	fs to ufs w/sh faint laminae rare									
			150	crsh .15		crsh w/ssh irr. laminae 43									
			090	grsh .09		445 = 135.63					+0.06				
			160	ssh .16		grsh w/ssh laminae rare									
35			140	sw .14		ssh w/sh laminae ~ IIII									
	135.83					sh IIII ufs									

DRILL CORE LOG

BOX59 ~ 61



Quintette Coal Limited

HOLE No. 87012

PAGE No. 22-53

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS			
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.				
↑	135.83		130	vfs .13	1													
			070	crsh .07												vfs w/ sh lamina		
			450													crsh		
			090	fs .66												fs		
																fs w/ sh lamina		
			120													fs		
			200	vfs .20												vfs w/ sh faint lamina		
																450 = 137.15		
			070	ssh .07												ssh w/ crsh lamina		
			40	137.27												310	grsh .31	
↓			160	fs .16	Box 62													
			200	vfs .20													fs w/ dk stringer rare	
			300	sh .39													vfs	
			090														sh     vfs	
																	sh     ssh	
			470														ssh     sh	
																	455 = 138.68	
			140	ssh .61													ssh w/ sh faint lamina	
			138.75	120													sh .23	sh     vfs ~ ssh

Box 61 ~ 62

DRILL CORE LOG





B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.a.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
↑	142.21		030	CB .03	240											
			110	CD .11												
			150	CA .15												
			040	CSH .04		(E)										
			100	CA .10												
			440	MC .44		MC										
			030	CB .03												
			020	CD .02												
(41)			050	CA												
			050	CA .14		050										
			040	CA	100											
			010	CD .01	090											
			050	CA												
			090	CA .14												
			030	CB .03												
			100	CA												
			040	CA .14	100											
	143.61		020	CSH .02	060											
↓																

153 - 109 = Δ 0.440

470 = 143.25 ✓

- .44

DRILL CORE LOG



HOLE No. 87012  
PAGE No. 2 of 56

190  
114

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.		
					100	CA										
1	143.61		070	CA .07	9	CA				} SD						
			030	} CB .06		CB										
			030			} csh .02	CB				} Same br/					
			020	CA												
			040			CA										
															152 - 132 = 20	
						Box 65										
			070		080	CA ~ CB				} SD						
			080		080	CA										
			080	CA .50	080	CA										
4			030		110	FC										
			080			CA										
			060			SA										
			100		240	CA				} SD						
			060	CC .06		CC										
	144.32	144.40	080	csh .08		hd csh E										
			220	MC .22		MC - 475 = 144.78									-.20	
			110	CA .11		CA ~ CB				} SD						
			050			CB										
			080	CB .21		CB ~ (CA)										
			080			same as										
V	145.01		070	CC .07		CC ~ CB calcite film										

DRILL CORE LOG



HOLE No. 87012  
PAGE No. 2657

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	145.01		120	CB .12	120					SD					
			170	CA .25	170					SD					
			080		260										
			020	CB .02	170										
			160												
			070	CA .26											
			030											1.52 - 1.55	
			070												
(41)			070	CB .14											
			090		090					Sam' SD					
			100												
			030												
				CA .14											
			060												
			030												
			060												
			070												
↓	146.28		040												

220  
140 080

B C N	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.g.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS	
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt		
↑	146.28		030	↑ CB .09	220	CB ~ (CU)										
			020	} CD .02		CB	} SD									
			020			CD										
			040	} CA .10		CA										
			060			CA										
			040	} CC .04		CC										
			040			CA										
			090	} CA .26		CA										
			130			CA										
			010	} CD .01		CD										
			050			CA										
				} CA .15												
			100			CA ~ CB										
			020	} CC .02		CC ~ CD										
			040			CA										
	080	} CA .12	CA ~ CB													
	030		} CB .03	CB												
	060	} CD .06		CD												
	040		} CC .04	CC F												
	040	} CA .04		CA w/ calcite, Fgi lense												
	147.29		070	} CB .07*	CB											

DRILL CORE LOG

36  
32  
2.5



HOLE No. 870/2  
PAGE No. 20 59

B C N.	UNIT		THICKNESS		SAMPLE NO.	LITHOLOGY DESCRIPTION					MARKER rec. r.q.d. d.o.b.	STR.	FRAC/m		FRACTURE TYPE AND CHARACTERISTICS
	From	To	Apparent	True		Strat. Lithology	Grain Size	Fresh Colour	Bedding Charact.	Other Sed. Charact.			bd.	jt.	
↑	147.29		040			SA			Semi br.						
			140		10	CA w/ F 2 un x 1			} SD						
			070		28	CA / F 1 un x 1									
			060	CA .46	31	scaly CA								1.53 - 1.55	
			120		43	CA			br						
(41)															
						485 = 147.83 ✓					10.02				
			030		106	CA			} Semi br						
			040	CD .04		CD									
			020			CA									
			040	CA .21		CA			} SD						
			040			CA ~ CB									
↓	147.92		030			CA			Semi br.						
						Box 67									

DRILL CORE LOG

Box 66 ✓



Quintette Coal Limited

HOLE No. 87012  
PAGE No. 27 60

51



11

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
						Box 57				
								J		
FLOOR	147.92	148.00	080	(A)		CA	br			
								↓		
		140				crsh pt frag.				
		050				vfs	sd			
	14864	050	43			grsh, crsh fine lami				
	14866	070				CA				
		010				dk sh. lens	sd		1.52 - 1.34	180
	14875	030				CA				
		140				dk gr sh. c lami	sd			
	14895	060				dk gr sh. c lens				
		010				crsh				
		030				CA	sd			
	14904	060				dk gr sh. c fragments		↑	Ko	

2

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO	
						490' (149.35)'	-18				
149.04		060	↑	MC .06	[Lithology Column: MC, CA, dk gr sh, CA, dk gr sh, CA, CA, CA, CB, CA]	MC					
		c/o		CA .01		CA	br				
										KO	
149.11	149.21	100		dk gr sh .10		dk gr sh. c stringers					
		020	43	CA .06		CA	sf				
		040		CA		CA					
	149.30	030		dk gr sh .03		dk gr sh	sd				
		020		CA		CA	br				
		040		CA .08		CA	Semi br				
		020		CA		CA					
		080		CB .08	CB	sd					
		050		CA	CA						
			↓								
	149.56	050	↓		CA	br					

ROOF

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
149.56		060	↑	↑		CA	sd			
		110		CA .50		CA scaly	semi sh			
						<u>Dark</u>				
		070				CA scaly	semi sh			
		160	(43)			CA scaly	"			
		060		CB .06		CB				
		080				CA	sd			
		050				CA	sd			
		030		CA .36		CA	semi sd			
15025	070		↓	↓		CA pulverized	sh			

4

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO.	FROM	TO	COMP. NO.	
150.25		30			[Lithology Column]	CA	sd	153	-128	250	
		(300)		MC		MC ——— 495' (150.00) ———		25			
		60		CA		CA	br				
		20	(43)	CB		CB	Sand sd				
		90		CA		CA	"				
		30		CC		CC	Sand sd				
									K <sub>1</sub>		
FLOOR	150.90	20		CA		CA	br				
		90		dkgrsh		dkgrsh	sd				
	151.24	270		ssh		ssh					
		240		crsh	crsh, ssh blue						
		80		ssh	ssh						
	151.69	30		crsh	crsh, c lens						

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO
151.69		240	↑	} ssh .24	[Grid]	ssh, cash band				
		280				} crsh .08	crsh			
						Box 69				
152.20		(190)	↓	} MR .19	[Grid]	MR				
								500' (152.40)	-19	
		060		} ssh .06	[Grid]	ssh,				
			(47)							
		060			[Grid]	dk gr sh, c lani				
		150			[Grid]	Same as above				
				} dkgrsh .37						
		090				[Grid]	dk gr sh, c lani			
		040			[Grid]	dk gr sh				
152.64	010			} dksh .01	[Grid]	dk sh, c stringer				
			↓							

FROM	TO	APP. THICK.	BCN	TT	LITHOLOGY	DESCRIPTION	SAMPLE NO	FROM	TO	COMP. NO	
152.60		.080	↑	CA .08	[Hatched Lithology Column]	Coal. (CA, CB, CC, dk sh)					
			(47)								
152.74	.020	↓	dk gr sh								
	.060	↑	crsh .06								
	.080	42°	sh .08								
	.160		vfs .16				vfs. c lens none fo. blue				
	.350						fo lami c lens				
	.370						fo weak lami. c lens				
							505' (153.92)				
				fs 1.08							
	.080						fo. bk lami at top				
							B-70				
	.080					fo. weak lami, calc. v. at btm					
	.130			vfs .13		vfs. x lami calc. v.					
155.24	.190	↓	fs .19			fo. vfs band					