

FOLDER 9

Bureau of Mineral Resources, Geology and Geophysics

OPEN CUT COAL INVESTIGATIONS IN NEW SOUTH WALES

CESSNOCK MUSWELLBROOK REGION

HOWICK AREA REPORT

Records 1953/47

Folder 9.

Table I. Thicknesses of Rock
Bands and Coal Samples.

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN BARRETT'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysis Coal with Incl. Bands					
		FROM						TO		THICKNESS																										
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA																																				
7 S	Claystone	160	1 1/4	160	2		3/4	3/4	157	7 1/4	165	2	7	6 3/4	6	9	0	10 1/2	2	2206	157	7 1/4	158	0 3/4	0	11 1/2						0	11 1/2	0	11 1/2	
	Claystone	160	7	160	8		1	1											3	2207	158	6 3/4	160	1 1/4	1	6 1/2					1	6 3/4	1	6 3/4		
	Claystone	161	2	161	2 1/4		1 1/4	1 1/4											4	2208	160	2	162	4	2	2	1/2	1	1 1/2		2	2	1			
	Claystone	161	3 3/4	161	4		1 1/4	1 1/4											5	2209	162	8	163	5 1/2	0	9 1/2					0	9 1/2	0	9 1/2		
	Splint	162	4	162	8			4	4										6	2210	163	7	165	2	1	7	1	1	2		1	5	1	6		
	Shale	163	4 1/2	163	7	1		1 1/2	2 1/2																											
	Shale	164	6 1/2	164	7 1/2		1	1																												
							1 1/2	2			6 1/2	9 3/4														7	1/2	1 1/2	2	3 1/2		6	9	0	10 1/2	
8 S	Claystone	385	5 1/2	385	7 1/2			2	2	383	11 1/2	391	10 1/2	7	11	7	0	7	1/2	23	2141	383	11 1/2	386	5 1/2	2	6					2	6	2	6	
	Claystone	386	11 1/2	387	1 1/2		2		2										24	2142	386	7 1/2	387	9 1/4	1	1 3/4			2	2		0	11 3/4	0	11 3/4	
	Claystone	387	9 1/4	387	11 1/4			2	2										25	2143	387	11 1/4	389	3 1/4	1	4					1	4	1	4		
	Claystone	389	3 3/4	389	7			3 3/4	3 3/4										26	2144	389	7	390	8 3/4	1	1 3/4					1	1 3/4	1	1 3/4		
	Shale	390	8 3/4	390	9 1/2			4	4										27	2145	390	9 1/2	391	10 1/2	1	1	1/2		1/2		1	1 1/2	1	1		
	Shale	391	8	391	8 1/2		1 1/2	1 1/2																												
							1 1/2	2			8 1/2	11														7	2 1/2	1/2	2	2 1/2		7	0	7	1/2	
9 S	Claystone	196	8 1/2	196	9 3/4		1 1/4		1 1/4	194	4	202	0	7	0	7	4 1/4	7	4 3/4	4	2149	194	4	195	10	1	0	1/2			1	5 1/2	1	6		
	Claystone	197	3 1/2	197	6		1/2	2	2 1/2										5	2150	195	10	197	10	2	0			3 1/4	3 1/4		1	8 3/4	1	8 3/4	
																			6	2151	197	10	202	0	4	2					4	2	4	2		
							1/2	3 1/4			3 3/4															7	8	1/2	3 1/2	3 3/4		7	4 1/4	7	4 3/4	
10 S	Claystone	392	0	392	5 1/2			5 1/2	5 1/2	389	1 1/2	399	0	9	10 1/2	8	8 1/2	8	8 1/2	14	2165	389	1 1/2	392	0	2	10 1/2					2	10 1/2	2	10 1/2	
	Clay sh.	393	9	393	10		1		1										15	2166	392	5 1/2	393	9	1	3 1/2		1 1/2	1 1/2		1	2	1	2		
	Claystone	395	1 1/2	395	3			2 1/2	2 1/2										16	2167	393	9	395	1 1/2	1	3 1/2		1			1	2 1/2	1	2 1/2		
	Claystone	396	2 1/2	396	7 1/2		5		5										17	2168	395	3	396	2 1/2	0	11 1/2					0	11 1/2	0	11 1/2		
																			18	2169	396	2 1/2	397	0	0	9 1/2		5	5		0	4 1/2	0	4 1/2		
																			19	2170	397	0	399	0	2	0					2	0	2	0		
							0	8	14																	9	2 1/2		7 1/2	7 1/2	0	1 1/2	8	7	8	7

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN BARRETT'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.B. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl Bands					
		FROM		TO						THICKNESS																										
		Ft.	Ins.	Ft.	Ins.																															
											Ft.	Ins.	Ft.	Ins.	Ft.					Ins.	Ft.	Ins.	Ft.	Ins.	Ft.							Ins.	Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA																																				
12 S	Claystone	128	8	128	9½			1½	1½	126	0	134	11½	8	11½	7	9½	7	9½	2	2343	126	0	128	8	2	8					2	8	2	8	
	Claystone	129	4	129	5	1			1											3	2344	128	9½	130	½	1	3		1	1		1	2	1	2	
	Claystone	130	½	130	2½			2	2											4	2345	130	2½	131	6	1	3½					1	3½	1	3½	
	Claystone	131	6	131	9½			3½	3½											5	2346	131	9½	133	2½	1	5		1	1		1	4	1	4	
	Shale	132	11	133	0	1			1											6	2347	133	5½	134	11½	1	6		2	2		1	4	1	4	
	Shale	133	2½	133	5½			3	3																											
	Shale	134	1½	134	3½	2			2																											
						4	10	14																	8	1½		4	4			7	9½	7	9½	
13 S	Siltstone	273	6½	273	8			1½	1½	270	6	279	10½	9	4½	7	11½	8	1	11	2397	270	6	272	6	2	0					2	0	2	0	
	Shale	274	4	274	5¼			1¼	1¼											12	2398	272	6	273	6½	1	½		1	1		0	11½	0	11½	
	Shale	275	8¾	276	1			4¼	4¼											13	2399	273	8	274	4	0	8					0	8	0	8	
	Shale	276	11	277	2½			3½	3½											14	2400	274	5¼	275	8¾	1	3½					1	3½	1	3½	
	Shale	278	7½	278	10½			3	3											15	2401	276	1	276	11	0	10					0	10	0	10	
	Shale	272	8	272	9	1			1											16	2402	277	2½	278	7½	1	5	½	1	1½		1	3½	1	4	
	Shale	277	7	277	8½	½	1		1½											17	2403	278	10½	279	10½	1	0	¾		½		0	11½	1	0	
	Shale	279	0	279	¾	1½	2	13½	16¾																	8	3	1½	2	3½		7	11½	8	1	
16 S	Siltstone	371	4½	372	4¾			12¼	12¼	369	¾	376	6	7	5¼	5	7½	5	8	24	2606	369	¾	371	4½	2	¾					2	¾	2	¾	
	Siltstone	372	10	372	11¾	½	1¼		1¼											25	2607	372	4¾	373	9¾	1	5	½	2¼	2¾		1	2¼	1	2¾	
	Siltstone	373	2¾	373	3¾		1		1											26	2608	374	2½	375	5¼	1	¾					1	2¾	1	2¾	
	Siltstone	373	9¾	374	2½			4¾	4¾																											
	Claystone	375	5¼	375	7¼			2	2																											
						½	2¼	19	21¾																	4	11½	½	2¼	2¾	0	10½	4	8¾	4	9½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN BARRETT'S SEAM

[illegible]

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24															
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES.				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl Bands					
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS		Ft. Ins.		Ft. Ins.					Ft. Ins.		Ft. Ins.							
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				
PARNELL'S CREEK AREA																																						
50 T	Shale	88	10	89	0		2	2	86	5	93	9	7	4	6	8	6	8	1	158	86	5	88	10	2	5					2	5	2	5				
	Shale	89	11	90	2		3	3											2	159	89	0	89	11	0	11			0	11	0	11						
	Shale	91	1	91	4		3	3											3	160	90	2	91	1	0	11			0	11	0	11						
	Shale																		4	161	91	4	93	9	2	5			2	5	2	5						
							8	8																						6	8	6	8					
53 T	Shale	47	11	48	2		3	3	45	11	53	8½	7	9½	6	8½	6	8½	1	168	45	11	47	11	2	0					2	0	2	0				
	Shale	48	7	48	9		2	2											2	169	51	0	53	2	2	2			2	2	2	2						
	Shale	50	7	51	0		5	5																														
	Shale	53	2	53	5		3	3																														
							13	13																						4	2		2	6½	4	2	4	2
59 T	Siltstone	75	8	75	11		3	3	72	9	81	4	8	7	7	10½	7	10½	1	692	72	9	75	8	2	11					2	11	2	11				
	Siltstone	76	5½	76	7		1½												2	693	75	11	78	5	2	6		3½	3½	2	2½	2	2½					
	Siltstone	77	4	77	6		2												3	694	78	7	81	4	2	9			2	9	2	9						
	Claystone	78	5	78	7			2	2																													
							3½	5	8½																				8	2		3½	3½	7	10½	7	10½	
FARRELL'S CREEK AREA																																						
1 & 6 S	Siltstone	711	2	711	3½	½	1	1½	709	2	715	8	6	6	6	1¼	6	1¾	30	3072	709	2	711	2	2	0					2	0	2	0				
	Shale	713	1	713	2½		1½	1½											31	3073	711	3	712	1	0	10	½	½		0	9½	0	10					
	Siltstone	713	3¾	713	5½		1¾	1¾											32	3074	712	1	713	1	1	0				1	0	1	0					
																			33	3075	713	5½	715	8	2	2½				2	2½	2	2½					
							½	4¼	4¾																				5	½	½	½	0	1¼	6	0	6	½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN BARRETT'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.B. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL															
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS		INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl Bands								
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.							Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
FARRELL'S CREEK AREA																																			
5 S	Shale	488	0	488	1½			1½	1½	482	6	490	5	7	11	7	6	7	6	1	113	482	6	485	3	2	9					2	9	2	9
	Siltstone	488	5	488	6			1	1										2	114	485	3	488	0	2	9					2	9	2	9	
	Greywacke	489	½	489	3	2½			2½										3	115	488	6	490	5	1	11	2½	2½	1	8½	1	8½			
						2½	2½		5																	7	5	2½	2½	0	½	7	2½	7	2½
POND'S CREEK AREA																																			
1(S)R	Siltstone	311	4	311	10			6	6	309	3	314	1	4	10	4	2	4	2	8	502	309	3	311	4	2	1					2	1	2	1
	Siltstone	312	3	312	5	2			2										9	503	311	10	314	1	2	3	2	2			2	1	2	1	
						2	6		8																	4	4		2	2		4	2	4	2
2(S)R	Siltstone	947	9	948	6			9	9	945	3	949	6	4	3	3	6	3	6	16	937	945	3	947	9	2	6			1	0	2	6	2	6
3(S)R ₂	Siltstone	535	9½	536	1			3½	3½	534	½	539	3	5	2½	4	7½	4	7½	4	911	536	1	539	3	3	2	3½	3½	2	10½	2	10½		
	Siltstone	537	0	537	1	1			1																										
	Siltstone	537	9½	538	0	2½			2½																										
						3½	3½		7																	3	2	3½	3½	1	9	2	10½	2	10½
7 S										302	10½	306	11	4	½	4	½	4	½	6	112	302	10½	306	11	4	½					4	½	4	½
2T	Shale	99	9	99	11			2	2	97	9	104	7½	6	10½	5	9	5	9	4	210	97	9	99	9	2	0					2	0	2	0
	Shale	100	3	100	5½			2½	2½											5	211	100	5½	101	11½	1	6	4	4			1	2	1	2
	Shale	100	10½	101	2½	4			4											6	212	102	3½	104	7½	2	4			1	1	2	3	2	3
	Claystone	101	11½	102	3½			4	4																										
	Shale	104	½	104	1½	1			1																										
						5	8½		13½																	5	10		5	5		4	5	5	5

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN BARRETT'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES															
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with In- cluded Bands				
		FROM																TO		THICKNESS		FROM								TO		THICK- NESS	
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						
		POND'S CREEK AREA																															
16 T	Claystone	123	9	123	11			2	2	121	10	127	3	5	5	4	9½	4	9½	1	1505	121	10	123	9	1	11			1	11	1	11
	Siltstone	124	2	124	5		3		3								2	1506	123	11	125	1½	1	2½		3	3		11½	11½			
	Siltstone	125	1½	125	4		2½	2½									3	1507	125	4	127	3	1	11				1	11	1	11		
							3	4½	7½																5	½	3	3	4	9½	4	9½	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN LOWER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analys- ed Coal With- out Bands		Thickness of Analys- ed Coal with Incl Bands		
		FROM		TO						THICKNESS																									
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.					
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.
PARNELL'S CREEK AREA																																			
6 S	Shale	505	7	505	9		2		2	504	10½	510	10	5	11½	4	4½	4	4½	21	2203	504	10½	506	1½	1	3		2	2		1	1	1	1
	Splint	506	1½	507	1			10½	10½											22	2204	507	11½	510	10	2	10½				2	10½	2	10½	
	Claystone	507	5	507	11½			6½	6½																										
							2	17	19																4	1½		2	2		5	3	11½	3	11½
7 S	Claystone	108	4	108	6½			2½	2½	108		111		3		2	6¾	2	7¾	1	2205	108	10¼	111		2	1¾	1		1		2	¾	2	1¾
	Claystone	108	8½	108	10¼			1¾	1¾																										
	Shale	109		109	1	1			1																										
						1		4½	5½																2	1¾	1		1		6	2	¾	2	1¾
9 S	Shale	143		143	1½	1½			1½	138	8	144	4	5	8	5	5¾	5	8	3	2148	138	8	144	4	5	8	2¼		2¼		5	5¾	5	8
	Shale	143	5½	143	6½																														
	Shale	143	9½	143	10½	1			1																										
						2½			2½																5	8	2½		2½		5	5¾	5	8	
10 S	Shale	324		324	5			5	5	322	6	328	10	6	4	5	1¾	5	1¾	12	2163	322	6	324		1	6					1	6	1	6
	Claystone	324	7	324	10½			3½	3½											13	2164	325	11¾	328	10	2	10¼					2	10¼	2	10¼
	Shale	325	2½	325	6¾			4¼	4¼																										
	Shale	325	9	325	10			1	1																										
	Claystone	325	11½	325	11¾			½	½																										
						14½		14½																	4	4½					9½	4	4½	4	4½
11/13 S	Shale	206		206	1	1		1	1	205	3	208	8	3	5	2	9½	2	9½	10	2396	205	3	207	3½	2	½		1	1		1	11½	1	11½
	Shale	207	3½	207	6½			3	3																										
	Shale	207	11½	208	3			3½	3½																										
						1		6½	7½																2	½		1	1	10	1	11½	1	11½	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN_____L. LIDDELL SEAM.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS		TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS		SAMPLE No.	ANALY- SIS No.	COAL SAMPLES														
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS													SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analyse ed Coal with Incl Bands	
		FROM						TO		THICKNESS		FROM		TO		THICK- NESS																		
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA.																																		
8 (S)								324	6½	327	2½	2	8	2	8	2	8	22	2140	324	6½	327	2½	2	8				2	8	2	8		
12 (S)								63	10	65	10	2	0	2	0	2	0	1	2342	63	10	65	10	2	0				2	0	2	0		
16 (S)	Shale	315	8	316	1																													
	Siltstone	316	5½	316	7½	2½	2½												21	2603	314	6½	315	8	1	1½			1	1½	1	1		
	Siltstone	316	9½	316	11½	2	2												22	2604	316	7½	317	3½	1	3¼	4½	4½		11		11		
	Shale	317	3¾	317	5¾														23	2605	317	5¾	318	11¾	1	6¼			1	6	1	6		
						4½	6½	10½															4	10½	4½	4½		4	6	4	6			
17 (S)	Claystone	467	3½	467	5¼																													
	Claystone	467	10½	467	11½	1½	1½												26	2696	467	5½	468	5		11¾	1½	1½		10½		10		
	Shale	468	5	468	5½		½												27	2697	468	5½	470	8	2	2½	1	1		2	1½	2	1	
	Shale	470	5½	470	6½	1	1																											
						2½	2½	4½																	4	11½	2½	2½		4	8½	4	8	
18 (S)	Shale	388	11½	389	½	1½	1½																											
	Claystone	389	4½	390	2		9½	9½											23	2579	290	2	291	0	0	10	2	2		8		8		
	Siltstone	390	4½	390	6½	2	2												24	2580	291	6½	293	9	2	2½	¾	¾		2	1¾	2	1	
	Siltstone	391		391	6½		6½	6½																										
	Siltstone	392	2¾	392	3½	¾	¾																											
						4	16	20																	4	10½	4	4		4	6½	4	6	
21 (S)	Siltstone	448	7½	449	1		5½	5½	448	2	451	8	3	6	3	½	3	½	23	3242	449	1	451	8	2	7				5½	2	7	2	7
22 (S)	Siltstone	208	½	208	4		3½	3½	205	0	210	2	5	2	4	10½	4	10½	6	194	208	4	210	2	1	10			3	½	1	10	1	10

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN LOWER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS									SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl Bands						
		FROM	TO													FROM	TO	THICK- NESS															
		Ft.	Ins.	Ft.	Ins.		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.				Ins.	Ft.	Ins.						
PARNELL'S CREEK AREA.																																	
26 T	Siltstone	130	4	130	5	1	1	127	0	131	10 ³ / ₄	4	10 ³ / ₄	4	9	4	9 ³ / ₄	5	2765	127	0	129	3	2	3		2	3	2	3			
	"	131	1	131	1 ³ / ₄	3 ³ / ₄	3 ³ / ₄											6	2766	129	3	130	4	1	1		1	1	1	1			
																		7	2767	130	5	131	10 ³ / ₄	1	5 ³ / ₄	3	1	5	1	5 ³ / ₄			
						1	1 ³ / ₄														4	9 ³ / ₄	3	3		4	9	4	9 ³ / ₄				
28 T	Shale	130	1 ¹ / ₂	131	5	15 ¹ / ₂	15 ¹ / ₂	129	6	135	2	5	3	4	2 ¹ / ₂	4	2 ¹ / ₂	5	2912	131	9	135	2	3	5		3	5	3	5			
		131	7	131	9	2	2																										
						17 ¹ / ₂	17 ¹ / ₂														3	5				9 ¹ / ₂	3	5	3	5			
44 T	Shale	57	7 ¹ / ₂	58	9 ¹ / ₂	14	14	56	6	62	0	5	6	4	2 ¹ / ₂	4	2 ¹ / ₂	1	3363	56	6	57	7 ¹ / ₂	1	1 ¹ / ₂		1	1 ¹ / ₂	1	1 ¹ / ₂			
7	"	59	3 ¹ / ₂	59	5	1 ¹ / ₂	1 ¹ / ₂											2	3364	58	9 ¹ / ₂	62	-	3	2 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂	3	1	3	1		
						1 ¹ / ₂	14	15 ¹ / ₂													4	4		1 ¹ / ₂	1 ¹ / ₂		4	2 ¹ / ₂	4	2 ¹ / ₂			
47 T	Shale	46	6 ¹ / ₂	48	0	15 ¹ / ₂	15 ¹ / ₂	45	10	51	9	5	11	3	7	3	7	1	3371	49	10	51	9	1	11		1	11	1	11			
		48	2 ¹ / ₂	49	6 ¹ / ₂	10	10																										
		49	5	49	10	1 ¹ / ₂	1 ¹ / ₂																										
		49	9	49	10	1	1																										
						23	23														1	11				1	3	1	11	1	11		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN LOWER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS			TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS								SAMPLE INTERVAL			INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl- uded Bands										
		FROM	TO					THICKNESS	FROM	TO					THICK- NESS																		
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.								
		FARRELL'S CREEK AREA																															
1 & 6 (S)	Shale	654	5	654	6	1	1	647	8	656	11½	9	3½	9	0	9	0	26	3068	647	8	651	0	3	4					3	4	3	4
	Shale	654	7	654	9½		2½											27	3069	651	0	653	9	2	9					2	9	2	9
																		28	3070	653	9	654	7		10	1	1			9	9		
																		29	3071	654	9½	656	11	2	2					2	2	2	2
						1	2½														9	1			1	1			9	0	9	0	
2 & 3 (S)	Shale	507	0	507	½	½		½	507	7	511	1	5	6	5	5½	5	6	29	2944	505	7	508	4	2	9	½		½	2	8½	2	9
																		30	2945	508	4	511	1	2	9					2	9	2	9
																					5	6	½		½				5	5½	5	6	
POND'S CREEK AREA																																	
1 (S) R	Shale	271	10	272	4	6	6	270	8½	276	5	5	8½	4	6½	4	6½	6	500	270	8½	273	8½	3	0		7½	7½	2	4½	2	4½	
	Shale	273	0	273	1½	1½	1½											7	501	273	9½	276	5	2	7½		5½	5½	2	2	2	2	
	Shale	273	0½	273	9½		1																										
	Shale	273	10½	274	1	2½	2½																										
	Shale	275	7	275	10	3	3																										
						13	1	14													5	7½				13	13			4	6½	4	6½
3 (S) R ₂	Shale	491	6	491	7½	1½	1½	491	3	496	11	5	8	5	3½	5	3½	3	910	491	3	494	3	3	0		1½	1½	2	10½	2	10½	
	Siltstone	494	3	494	6		3																										
						1½	3	4½													3	0				1½	1½	2	5	2	10½	2	10½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN LOWER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES														
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS														
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
<u>POND'S CREEK AREA</u>																																		
7 S	Shale	270	11	271	1		2	2	270	0	273	7	3	7	3	1½	3	2	5	111	272	0	273	7	1	7	½	½		1	6½	1	7	
	Siltstone	271	6	271	8		2	2																										
	Siltstone	271	11	272	0		1	1																										
	Siltstone	272	5½	272	6	½																												
						½																												
						½																												
						½																												
						½																												
						½																												
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TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN M. LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES														
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS														
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
		<u>PARNELL'S CREEK AREA.</u>																																
8 S	Claystone	292	10 $\frac{1}{2}$	293	0	1 $\frac{1}{2}$	1 $\frac{1}{2}$	292	5 $\frac{1}{2}$	293	9	1	3 $\frac{1}{2}$			21	2139	292	5 $\frac{1}{2}$	293	9	1	3 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$		1	2	1	2				
21 S	Shale	398	0 $\frac{1}{2}$	398	1	$\frac{1}{2}$	$\frac{1}{2}$	397	6	401	5	3	11	3	6 $\frac{1}{2}$	3	6 $\frac{1}{2}$	21	3240	397	6	399	11	2	5	$\frac{1}{2}$	$\frac{1}{2}$		2	4 $\frac{1}{2}$	2	4 $\frac{1}{2}$		
	Shale	399	11	400	3													22	3241	400	3	401	5	1	2				1	2	1	2		
						$\frac{1}{2}$	$\frac{1}{2}$																											
<u>PARNELL'S CREEK AREA.</u>																																		
1&6 S	Shale	605	9	605	10 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	605	2	609	1	3	11	3	3 $\frac{1}{2}$	3	3 $\frac{1}{2}$	24	3066	605	2	606	10	1	3	3 $\frac{1}{2}$	3 $\frac{1}{2}$		1	4 $\frac{1}{2}$	1	4 $\frac{1}{2}$		
	Shale	606	1	606	3	2	2											25	3067	607	$\frac{1}{2}$	609	1	2	$\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$		1	11	1	11		
	Shale	606	10	607	$\frac{1}{2}$		2 $\frac{1}{2}$																											
	Shale	607	4 $\frac{1}{2}$	607	6	1 $\frac{1}{2}$	1 $\frac{1}{2}$																											
						5	2 $\frac{1}{2}$																											
2&3 S	Shale	472	2	472	7			470	2	474	1	3	11	3	6	3	6	27	2942	470	2	472	2	2	0				2	0	2	0		
																		28	2943	472	7	474	1	1	6				1	6	1	6		
<u>POND'S CREEK AREA.</u>																																		
5 T								159	7	162	5	2	10	2	10	2	10	9	675	159	7	162	5	2	10				2	10	2	10		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24							
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES												
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands	
		FROM						TO		THICK- NESS																				
		Ft.	Ins.					Ft.	Ins.		Ft.	Ins.	Ft.					Ins.	Ft.	Ins.	Ft.	Ins.	Ft.							
PARNELL'S CREEK AREA																														
5 S								189	11	197	10	7	11	7	1916	189	11	192	2	2	3			2	3	2	3			
														8	1917	192	2	194	6	2	4			2	4	2	4			
														9	1918	194	6	197	10	3	4			3	4	3	4			
																		7	11						7	11	7	11		
6 S	Dant & sh. 442	442	9½			9½	9½	440	5½	449	1	8	7½	7	10¼	7	10¼	18	2000	440	5½	442		1	6½	1	6½			
														19	2001	442	9½	445	1	2	3¾			2	3¾	2	3¾			
														20	2002	445	1	449	1	4				4	0	4	0			
						9½	9½																							
																			7	10¼					7	10¼	7	10¼		
8 S	Shale	277	6	278	2½		8½	8½	272	1	280	3½	8	2½	6	11¼	6	11¼	17	2135	272	1	274		1	11	1	11		
	Siltstone	278	10	279	4		6	6										18	2136	274		275	9	1	9	1	9			
	Claystone	280	0½	280	1¼	¾		¾										19	2137	275	9	277	6	1	9	1	9			
																		20	2138	279	4	280	3½	11½		10¾	10¾			
						¾	14½	15½																6	4½	7½	6	3¾	6	3¾
9 S								64	4	68	1½	3	9½	3	9½	3	9½	1	2146	64	4	65	9	1	5	1	5			
																		2	2147	65	9	68	1½	2	4½	2	4½			
																							3	9½		3	9½	3	9½	
10 S	Shale	234	5	235	2		9	9	228	3	236	4	8	1	7	3	7	3	8	2159	228	3	230		1	9	1	9		
	Shale	236	1	236	2	1		1										9	2160	230	0	233	5	3	5	3	5			
																		10	2161	233	5	234	5	1	0	1	0			
																		11	2162	235	2	236	4	1	2	1	1			
						1	9	10																7	4		7	3	7	3

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																		
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES																					
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands		
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS																					
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	
PARNELL'S CREEK AREA																																									
11/13 S	Shale	147	9	147	9½				½	½	144	2½	151	0½	6	10	0	7¼	6	7½	6	2392	144	2½	145	6½	1	4					1	4	1	4					
	Shale	149	3½	149	4½			1		1											7	2393	145	6½	147	9	2	2½			2	2½	2	2½							
	Shale	150	7	150	7¼	¼				¼											8	2394	147	9½	149	3½	1	6			1	6	1	6							
	Shale	150	9	150	10		1		1		1										9	2395	149	4½	151	0½	1	8			1	6¾	1	6¾							
						½	1	1½	2¾																			6	8½	½	1	1½			6	7¼	6	7¾			
14 S												445	2	449	3	4	1	4	1	4	1	9	2740	445	2	446	5	1	3					1	3	1	3				
																					10	2749	446	5	448	4	1	11			1	11	1	11							
																															3	2			3	2	3	2			
16 S												249	8	258	6	8	10	8	9	8	10	17	2599	249	8	252	8	3					3	0	3	0					
																						18	2600	252	8	255	8	3			3	11½	3	0							
																						19	2601	255	8	258	6	2	10	¾	¾	2	9¾	2	10						
																															8	10	1		1			8	9	8	10
17 S	Shale	414	5	414	6½				1½	1½	413	10	419	11	6	1	5	9½	5	9½	22	2692	413	10	414	5	0	7					7		7						
	Shale	416	4	416	6				2	2											23	2693	414	6½	416	4	1	9½			1	9½	1	9½							
																						24	2694	416	6	419	11	3	5			3	5	3	5						
						3½	3½																									5	9½			5	9½	5	9½		
18 S												339	6	346	3	6	9	6	9	6	9	19	2575	339	6	340	11½	1	5½					1	5½	1	5½				
																						20	2576	340	11½	342	1½	1	2			1	2	1	2						
																						21	2577	342	1½	346	3	4	1½			4	1½	4	1½						
																															6	9					6	9	6	9	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS		Ft. Ins.		Ft. Ins.		Ft. Ins.		Ft. Ins.							
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.
PARNELL'S CREEK AREA																																			
19 S		239	6	239	9½			3½	3½	235		243	2½	8	2½	7	6	7	6	12	3280	235		236	6	1	6			1	6	1	6		
		240	9½	241				2½	2½											13	3291	236	6	239	6	3	0			3	0	3	0		
		242	6	242	8½		2½		2½											14	3282	239	9½	240	9½	1	0			1	0	1	0		
																				15	3283	241		243	2½	2	2½	2½	2½	2	0	2	0		
							2½	6	8½																7	6½	2½	2½			7	6	7	6	
21 S	Shale	380	4	383	4			36	36	379	5½	389	11	10	5½					18	3237	383	4	386	0	2	8			2	8	2	8		
																				19	3238	386	0	388	7	2	7			2	7	2	7		
																				20	3239	388	7	389	11	1	4			1	4	1	4		
								36	36																6	7			10½	6	7	6	7		
22 S										156	0	164	5	8	6	8	6	8	6	3	191	156	0	160	0	4	0			4	0	4	0		
																				4	192	160	0	161	5	1	5			1	5	1	5		
																				5	193	161	5	164	6	3	1			3	1	3	1		
																									8	6					8	6	8	6	
20 T										70	11	78	7¾	7	8¾	7	8¾	7	8¾	1	2374	70	11	73	0	2	1			2	1	2	1		
																				2	2375	73	0	75	6	2	6			2	6	2	6		
																				3	2376	75	6	77	0	1	6			1	6	1	6		
																				4	2377	77	0	78	7¾	1	7¾			1	7¾	1	7¾		
																									7	8¾					7	8¾	7	8¾	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES													
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands
		FROM						TO		THICKNESS		FROM						TO		THICK- NESS											
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA																															
21 T	Claystone Shale	95	4	95	5	1		89	8	96	6	6	10	6	8	6	8	1	2378	89	8	91	0	1	4		1	4	1	4	
		95	11	96	0	1	1											2	2379	91	0	93	0	2	0		2	0	2	0	
																			3	2380	93	0	94	10	1	10		1	10	1	10
																			4	2381	94	10	96	6	1	8	2	2	1	6	1
						2	2														6	10	2	2		6	8	6	8		
25 T	Shale	104	7	104	7½	½	½	104	3	112	0	7	9	7	8½	7	8½	1	2758	106	6	108	6	2	0		2	0	2	0	
																		2	2759	108	6	111	2	2	8		2	8	2	8	
																		3	2760	111	2	112	0	0	10		10	10			
						½	½														5	6			2	2½	5	6	5	6	
26 T	Siltstone	66	7	66	7½	½	½	64	8	72	2	7	6	6	7¾	6	7¾	1	2761	64	8	66	7	1	11		1	11	1	11	
	Claystone	67	9½	68	3	5½	5½											2	2762	66	7½	67	9½	1	2		1	2	1	2	
	Siltstone	69	11½	70	1½	2	2											3	2763	68	3	69	11½	1	8½		1	8½	1	8½	
	Shale	70	10	70	11	1	1											4	2764	70	1½	72	2	2	0½	21¼	1	10¼	1	10¼	
	Siltstone	71	6¾	71	8	11¼	11¼																								
					21¼	8	10¼														6	10	21¼			6	7¾	6	7¾		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER MIDWELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24															
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																		
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Coal with Incl Bands					
		FROM		TO						THICKNESS																												
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.		
		PARNELL'S CREEK AREA																																				
28 T	Shale	66	4½	66	5		½	½	61	2	63	6	7	4	7	3½	7	3½	1	2908	61	2	62	4	1	2							1	2	1	2		
																			2	2909	62	4	65	1	2	9							2	9	2	9		
																			3	2910	65	1	66	4½	1	3½							1	3½	1	3½		
																			4	2911	66	5	68	6	2	1							2	1	2	1		
							½	½																	7	3½							7	3½	7	3½		
35 T	Shale	123	5	123	6½		1½		1½	123	11	131	4	7	5	7	3½	7	3½	7	3403	123	11	126	2	2	3							2	3	2	3	
																			8	3404	126	2	128	2	2	0							2	0	2	0		
																			9	3405	128	2	129	10	1	8							1½	1½	1	6½	1	6½
																			10	3406	129	10	131	4	1	6							1	6	1	6		
							1½		1½																7	5								7	3½	7	3½	
39 T										36	3	41	9	5	6	5	6	5	6	1	3353	36	3	39	0	2	9							2	9	2	9	
																			2	3354	39	0	41	9	2	9							2	9	2	9		
																									5	6							5	6	5	6		
56 T	Shale	101	2	101	2½		½	½	95	2	101	4½	6	2½	6	2	6	2	1	170	95	2	97	10	2	8							2	8	2	8		
																			2	171	98	5	101	2	2	9							2	9	2	9		
							½	½																	5	5							9	5	5	5	5	
41/58 T	Shale	81	0	81	1		1		1	74	1	81	7	7	6	7	5	7	5	1	172	74	1	76	7	2	6							2	6	2	6	
																			2	173	76	7	79	1	2	6							2	6	2	6		
																			3	174	79	1	81	7	2	6							1	1	2	5	2	5
							1		1																7	6								7	5	7	5	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN U. LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																					
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																								
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl Bands											
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS		Ft. Ins.		Ft. Ins.					Ft. Ins.		Ft. Ins.													
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.										
FARRELL'S CREEK AREA																																												
1 & 6 S	Shale	580	0	580	3			3	3	573	2	583	0	9	10	9	0	9	0	20	3062	573	2	574	2	1	0					1	0	1	0									
	Shale	580	7½	580	11			3½	3½											21	3063	576	2	577	9	1	7					1	7	1	7									
	Shale	581	1	581	2			1	1											22	3064	577	9	580	0	2	3					2	3	2	3									
	Shale	581	3½	581	6			2½	2½											23	3065	581	6	583	0	1	6					1	6	1	6									
																			10		10				6		4				2		8		6		4		6		4			
2 & 3 S	Claystone	452	6	452	6½	½			½	449	11	460	8	10	9	10	3½	10	4	21	2936	449	11	451	3	1	4					1	4	1	4									
	Shale	457	3½	457	4½		1		1										22	2937	451	3	453	½	1	9½	½		½			1	9	1	9½									
	Shale	457	6½	457	8½		2		2										23	2938	453	½	455	2	2	1½					2	1½	2	1½										
	Claystone	459	2	459	4		2		2										24	2939	455	2	457	3½	2	1½					2	1½	2	1½										
																			25	2940	457	8½	459	2	1	5½					1	5½	1	5½										
																			26	2941	459	4	460	8	1	4					1	4	1	4										
																			½		5		5½				9		11		½		½		2		10		1½		10		2	
POND'S CREEK AREA																																												
1 (S) R	Shale	231	7	231	9			2	2	229	8	233	11	4	3	4	1	4	1	4	498	229	8	231	7	1	11					1	11	1	11									
																			5	499	231	9	233	4	2	2					2	2	2	2										
																			2		2						4		1				4		1		4		1		4		1	
2 (S) R	Siltstone	861	0	861	3			3	3	855	3	862	0	6	9	6	6	6	6	15	936	855	3	857	4	2	1					4	5	2	1	2	1							

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN U. LIDDELL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl Bands			
		FROM						TO		THICKNESS		FROM						TO		THICK- NESS														
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
		POND'S CREEK AREA																																
(S) R ₂								434	6	439	6	5	0	5	0	5	0	1	908	434	6	437	0	2	6			2	6	2	6			
																		2	909	437	0	438	6	1	6			1	6	1	6			
																								4	0			1	0	4	0	4	0	
7 S								202	9½	206	10½	4	1	4	1	4	1	4	110	202	9½	206	10½	4	1			4	1	4	1			
								80	8½	86	6	5	9½	5	9½	5	9½	1	522	80	8½	83	4	2	7½			2	7½	2	7½			
																		2	523	83	4	85	1	1	9			1	9	1	9			
1 T																		3	524	85	1	86	6	1	5			1	5	1	5			
																							5	9½			5	9½	5	9½				
5 T	Shale	146	1	146	4½		3½			3½	145	6	152	7	7	1	6	8	6	672	145	6	143	7	3	1			3½	3½	2	9½	2	9½
	Shale	150	10	150	11½		1½		1½										7	673	148	7	150	10	2	3			2	3	2	3		
																			8	674	150	11½	152	7	1	7½			1	7½	1	7½		
								3½	1½	5													6	11½			3½	3½	6	8	6	8		
8 T								121	2	130	0	8	10	8	10	8	10	2	1010	123	6	130	0	6	6			2	4	6	6	6	6	
								207	3	213	10	6	7	6	7	6	7	5	1209	207	3	209	3	2	0			2	0	2	0	2	0	
																		6	1210	209	3	211	3	2	0			2	0	2	0			
9 T																		7	1211	211	3	213	10	2	7			2	7	2	7	2	7	
																							6	7			6	7	6	7	6	7		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN U. L I D D E L L SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																	
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																				
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL																INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS																				
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.
		POND'S CREEK AREA																																						
15 (T) R Siltstone 210 1 210 1 ³ / ₄ ³ / ₄ ³ / ₄ 208 9 213 8 4 11 4 10 ¹ / ₄ 4 10 ¹ / ₄ 6 1513 208 9 210 0 1 3 1 3																																								
7 1514 210 0 212 0 2 0 ³ / ₄ ³ / ₄ 1 11 ¹ / ₄ 1 11 ¹ / ₄																																								
8 1515 212 0 213 8 1 8 1 8																																								
4 11 ³ / ₄ ³ / ₄ 4 10 ¹ / ₄ 4 10 ¹ / ₄																																								

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl- uded Bands				
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS															
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA																																			
5 S	Shale	112	0	112	1½		1½		1½	111	6	128	4	16	10	14	2½	14	3½	1	1910	111	6	113	6	2	0		1½	1½		1	10½	1	10½
	Claystone	119	2	119	6			4	4											2	1911	113	0	116	4	2	10				2	10	2	10	
	Greywacke	122	0	122	6			6	6											3	1912	116	4	119	2	2	10				2	10	2	10	
	Claystone	122	6¾	122	8			1¼	1¼											4	1913	119	6	122	0	2	6				2	6	2	6	
	Shale	123	0	123	1	1			1											5	1914	122	8	123	11	1	3	1		1		1	2	1	3
	Greywacke	123	11	124	8½			9½	9½											6	1915	124	8½	126	0	1	3½				1	3½	1	3½	
	Claystone	126	0	126	2½			2½	2½																										
	Claystone	126	5	126	5½			½	½																										
	Shale	126	6	126	7			1	1																										
	Claystone	127	2	127	3¼			1¼	1¼																										
	Shale	127	10	128	1			3¼	3¼																										
						1		1½	29	31½																									
6 S	Shale	371	10½	372	8¾			10½	10½	369	9½	385	10½	16	1	10	2½	10	3½	13	1995	369	9½	371	10½	2	1					2	1	2	1
	Shale	373	6	373	8	1	1		2											14	1996	372	8¾	375	3	2	6¼	1	1	2		2	4¼	2	5¼
	Shale	375	3	375	3¾				¾											15	1987	375	3¾	376	6	3	2¼					3	2¼	3	2¾
	Shale	378	6	378	9			3	3											16	1998	378	9	380	2	1	5					1	5	1	5
	Dant	380	2	384	6			52	52											17	1999	384	6	385	10½	1	4½		2½	2½		1	2	1	2
	Claystone	385	6	358	8½			2½	2½																										
						1		3½	66	70½																									

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

[illegible]

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24														
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																			
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS														SAMPLE INTERVAL			INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl- uded Bands								
		FROM												TO							THICKNESS																
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
PARMELL'S CREEK AREA																																					
19 S	Shale	152	9	154	0			15	15	150	6	168	3	17	9	11	11½	12	0	5	3273	150	0	152	9	2	3							2	3	2	3
	Siltstone	155	4	155	4½		½		½										6	3274	154	0	155	5½	1	5½		½	½			1	5	1	5		
	Siltstone	155	5½	155	7½			2	2										7	3275	155	7½	157	8½	2	1		½	½			2	½	2	½		
	Shale	155	9½	155	10		½		½										8	3276	157	11½	160	1	2	1½	½	½			2	1	2	1½			
	Siltstone	157	8½	157	11½			3	3										9	3277	162	3	163	3½	1	½						1	½	1	½		
	Shale	159	0	159	½	½			½																												
	Shale	160	1	162	5			26	26										10	3278	164	½	165	5½	1	3						1	5	1	3		
	Shale	163	3½	164	5½			9	9										11	3279	166	2½	168	3	2	½			2	2		1	10½	1	10½		
	Shale	165	3	166	2½			11	11																												
	Shale	167	5½	167	7½		2		2																												
						½	3	66	69½																		12	3	½	3	3½		11	11½	12	0	
21 S	Greywacke	327	7	328	0			5	5	325	9	341	2	15	5	12	3	12	4	13	3232	325	9	327	7	1	10							1	10	1	10
	Shale	331	0	331	10			10	10											14	3233	328	0	331	0	3	0						3	0	3	0	
	Shale	334	4	335	11			19	19											15	3234	331	10	334	4	2	6			1	1		2	5	2	5	
	Shale	334	0	334	1		1		1											16	3235	335	11	338	8	2	9			1	1		2	8	2	8	
	Shale	337	5	337	6		1		1											17	3236	338	8	341	2	2	6	1	1	2		2	4	2	5		
	Shale	340	7	340	8	1			1																												
	Shale	340	10	340	11		1		1																												
						1	3	34	38																		12	7	1	3	4		12	3	12	4	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL															
		FROM								TO				THICK- NESS																					
		FROM		TO						FROM		TO		THICKNESS						FROM		TO		THICK- NESS											
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA.																																			
27 (T)	Slst.&sh.	101	2 ¹ / ₂	101	7 ¹ / ₄		4 ³ / ₄	4 ³ / ₄	98	2	102	11 ³ / ₄	4	9 ³ / ₄	4	5	4	5	1	2768	98	2	99	5	1	3		1	3	1	3				
														2	2769	99	5	101	2 ¹ / ₂	1	9 ¹ / ₂					1	9 ¹ / ₂	1	9 ¹ / ₂						
														3	2770	101	7 ¹ / ₄	102	11 ³ / ₄	1	4 ¹ / ₅					1	4 ¹ / ₅	1	4 ¹ / ₅						
							4 ³ / ₄	4 ³ / ₄																	4	5			4	5	4	5			

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Coal with Incl Bands			
		FROM		TO						THICKNESS																										
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.										Ft.	Ins.
PARNELL'S CREEK AREA																																				
31 T	Shale	87	0	87	10		10	10	86	10	106	8½	19	10½	14	11¼	14	13¼	1	3243	88	4½	89	4½	1	0		2	2		0	10	0	10		
	Shale	87	11½	88	4½		5	5											2	3244	89	4½	90	10	1	5½				1	5½	1	5½			
	Siltstone	89	0	89	2	2		2											3	3245	92	10	93	11	1	1				1	1	1	1			
	Shale	90	10	92	10		24	24											4	3246	93	11½	96	0	2	½				2	½	2	½			
	Shale	93	11	93	11½		4½	4½											5	3247	96	0	97	10	1	10				1	10	1	10			
	Shale	97	10	98	2½		4½	4½											6	3248	98	2½	99	6¼	1	3¾				1	3¾	1	3¾			
	Shale	99	6¼	99	6½		5½	5½											7	3249	99	6½	100	7	1	½				1	½	1	½			
	Shale	100	7	101	1½		15	15											8	3250	101	½	101	10½	0	10				0	10	0	10			
	Shale	101	10½	103	1½														9	3251	103	1½	105	0	1	10½				1	10½	1	10½			
	Shale	105	0	105	1		1	1																												
	Shale	106	0	106	½	½		½											10	3252	105	1	106	4	1	3	½	2	½	0	13	6¼	13	6¼		
	Shale	106	4	106	5	½	2	66¾	69¼																											
32 T	Siltstone	37	9	37	10		1	1	35	6	47	11	12	5	10	8¼	10	9½	1	3378	35	6	37	9	2	3							2	3	2	3
	Siltstone	41	0	41	¼	¼		¼											2	3379	37	10	39	0	1	2							1	2	1	2
	Siltstone	41	8	41	1¼		2¼	2¼											3	3380	39	0	41	8	2	8	¼	1¼	¼				2	7¾	2	8
	Siltstone	42	¼	42	1½		1¼	1¼											4	3381	42	1½	43	9	1	7½	½	1½	2				1	5½	1	6
	Shale	42	8	42	8½	½													5	3382	44	3	45	9	1	6		3	3				1	3	1	3
	Shale	43	1½	43	3		1½	1½											6	3383	45	11	47	11	2	0	½	2½	3				1	9	1	9½
	Siltstone	43	9	44	3		6	6																												
	Siltstone	45	0	45	3		3	3																												
	Siltstone	45	9	45	11		2	2																												
	Siltstone	46	2	46	2½	½		½																												
	Siltstone	47	1½	47	4		2½	2½																												
						1¼	7	12½	20¾																											

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																				
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																									
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- uded Bands												
		FROM						TO			THICKNESS	FROM						TO		THICK- NESS																							
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							
		PARNELL'S CREEK AREA																																									
33 T	Shale	95	8 $\frac{1}{4}$	95	9 $\frac{1}{2}$		1 $\frac{1}{4}$								95	1 $\frac{3}{4}$	112	4	17	2 $\frac{1}{4}$	12	$\frac{1}{2}$	12	$\frac{3}{4}$	1	3384	95	1 $\frac{3}{4}$	97	4 $\frac{1}{2}$	2	2 $\frac{3}{4}$		1 $\frac{1}{4}$	1 $\frac{1}{4}$		2	1 $\frac{1}{2}$	2	1 $\frac{1}{2}$			
	Slst.& Clst	97	4 $\frac{1}{2}$	100	2										2	3385	100	2	102	6 $\frac{1}{2}$	2	2	4 $\frac{1}{2}$			2	3385	100	2	102	6 $\frac{1}{2}$	2	4 $\frac{1}{2}$		2	4 $\frac{1}{2}$	2	4 $\frac{1}{2}$					
	Shale	102	6 $\frac{1}{2}$	102	7										3	3386	102	7	104	4 $\frac{1}{2}$	1	1	9 $\frac{1}{2}$			1	3386	102	7	104	4 $\frac{1}{2}$	1	9 $\frac{1}{2}$		1	9 $\frac{1}{2}$	1	9 $\frac{1}{2}$					
	Claystone	104	4 $\frac{1}{2}$	104	6 $\frac{1}{2}$										4	3387	104	6 $\frac{1}{2}$	106	4 $\frac{1}{2}$	1	1	6 $\frac{1}{2}$	$\frac{1}{2}$	1	1 $\frac{1}{4}$	4	3387	104	6 $\frac{1}{2}$	106	4 $\frac{1}{2}$	1	6 $\frac{1}{2}$	$\frac{1}{2}$	1	5 $\frac{1}{4}$	1	5 $\frac{1}{4}$				
	Claystone	104	7 $\frac{3}{4}$	104	8 $\frac{3}{4}$		1								5	3388	106	1 $\frac{1}{2}$	107	3	1	1	1 $\frac{1}{2}$			1	3388	106	1 $\frac{1}{2}$	107	3	1	1 $\frac{1}{2}$			1	1 $\frac{1}{2}$						
	Shale	105	11	105	11 $\frac{1}{4}$		$\frac{1}{2}$								6	3389	107	7 $\frac{1}{2}$	108	9	1	1	1 $\frac{1}{2}$			1	3389	107	7 $\frac{1}{2}$	108	9	1	1 $\frac{1}{2}$			1	1 $\frac{1}{2}$						
	Shale	106	3 $\frac{3}{4}$	106	1 $\frac{1}{4}$										7	3390	110	2	112	4	2	2			1	1	7	3390	110	2	112	4	2	2			2	1	2	1			
	Claystone	107	3	107	7 $\frac{1}{2}$																																						
	Claystone	108	6	108	6 $\frac{3}{4}$		$\frac{3}{4}$																																				
	Siltstone	108	9	109	6 $\frac{1}{2}$																																						
	Claystone	109	7 $\frac{1}{4}$	110	2																																						
	Claystone	111	5	111	6		1																																				
							$\frac{1}{2}$																																				
							4																																				
							57 $\frac{1}{2}$																																				
							61 $\frac{3}{4}$																																				

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL			INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Coal with Incl Bands						
		FROM	TO					THICKNESS	FROM	TO	THICK- NESS	Ft.	Ins.					Ft.	Ins.	Ft.				Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
PARNELL'S CREEK AREA																																		
35 T	Shale	53	0	53	1/2	1/2																												
	Claystone	54	1/2	56	2		25 1/2	25 1/2	51	2	68	2	17	0	12	10	12	10 1/2	1	3397	51	2	54	1/2	2	10 1/2	1/2		2	10	2	10 1/2		
	Siltstone	56	10	57	0		2	2											2	3398	57	5	60	2	2	9			2	9	2	9		
	Shale	57	1	57	5		4	4											3	3398	60	2	62	10	2	8		2	2		2	6	2	6
	Shale	61	4	61	6		2	2																										
	Shale	62	10	63	2		4	4							4	3400	63	2	64	5	1	3							1	3	1	3		
	Siltstone	64	5	64	9		4	4							5	3401	64	9	66	2 1/2	1	5 1/2		2 1/2	2 1/2				1	3	1	3		
	Shale	65	6	65	8 1/2		2 1/2	2 1/2							6	3402	66	8	68	2	1	6								1	6	1	6	
Shale	66	2 1/2	66	8			5 1/2	5 1/2																										
							1/2	4 1/2	45	50										12	8		4 1/2	5	0	9	12	1	12	1	1			
37 T	Claystone	48	8	48	9 1/2		1 1/2	1 1/2	48	1	63	7 1/2	15	6 1/2	12	7 1/2	12	8 1/2	1	3341	48	1	50	1 3/4	2	3		1 1/2	1 1/2		1	11 1/2	1	11 1/2
	Claystone	50	1 3/4	51	2 1/2		1 2 3/4	1 2 3/4											2	3342	51	2 1/2	53	7	2	4 1/2			2	4 1/2	2	4 1/2		
	Claystone	53	7	53	8		1	1											3	3343	53	8	56	7	2	11	1/2		2	10 1/2	2	11	1	
	Shale	54	0	54	1/2	1/2		1/2											4	3344	57	1	58	1 1/2	1	1 1/2			1	1 1/2	1	1 1/2		
	Claystone	56	7	57	1		6	6											5	3345	58	3	59	2	0	11			0	11	0	11		
	Claystone	58	1 1/2	58	3		1 1/2	1 1/2											6	3346	59	6 1/2	61	4	1	9 1/2			1	9 1/2	1	9 1/2		
	Claystone	59	2	59	6 1/2		4 1/2	4 1/2											7	3347	61	9	63	7 1/2	1	10 1/2		2	2		1	8 1/2	1	8 1/2
	Shale	61	4	61	9		5	5																										
Claystone	63	1/2	63	2 1/2		2	2																											
							1/2	3 1/2	30 3/4	34 3/4										12	11 3/4	1/2	3 1/2	4				12	7 3/4	12	8 1/2	1		
51 T	Shale	43	4	43	6		2	2	39	2 1/2	50	3	11	1/2	10	4	10	4	1	162	39	2 1/2	41	0	1	9 1/2				1	9 1/2	1	9 1/2	
	Shale	43	8 1/2	43	9		1/2	1/2											2	163	41	0	43	4	2	4				2	4	2	4	
	Shale	44	0	44	1		1	1											3	164	43	9	45	6	1	9		1	1		1	8	1	8
	Shale	46	6	46	11		5	5											4	165	45	6	46	6	1	0				1	0	1	0	
																			5	166	46	11	49	3 1/2	2	4 1/2				2	4 1/2	2	4 1/2	
																			6	167	49	3 1/2	50	3	0	11 1/2				0	11 1/2	0	11 1/2	
							1	7 1/2	8 1/2																									

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24									
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						COAL SAMPLES																
		FROM		TO		INCLUDED	EXCLUDED	INTER- VENING	TOTALS	FROM		TO		THICKNESS		SAMPLE No.	ANALYSIS No.	SAMPLE INTERVAL						Included Bands in Analysis	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl- uded Bands					
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			FROM	TO	THICK- NESS												
<u>PARNELL'S CREEK AREA</u>																																
75 T	Siltstone	103	9 $\frac{1}{2}$	103	10 $\frac{1}{2}$	1		1	103	5 $\frac{1}{2}$	11	4	6	11	$\frac{1}{2}$	9	11	9	11							2	5 $\frac{1}{2}$	2	5 $\frac{1}{2}$			
	Clst. & coal	110	11	111	11 $\frac{1}{2}$			12 $\frac{1}{2}$	12 $\frac{1}{2}$								2	1006	106	0	108	0	2	0		2	0	2	0			
																	3	1007	108	0	110	11	2	11		2	11	2	11			
																	4	1008	111	11 $\frac{1}{2}$	114	6	2	6 $\frac{1}{2}$		2	6 $\frac{1}{2}$	2	6 $\frac{1}{2}$			
						1		12 $\frac{1}{2}$	13 $\frac{1}{2}$													10	0		1	1		9	11	9	11	
<u>FARRELL'S CREEK AREA</u>																																
2 & 3 S	Shale	365	3	366	6			15	15	364	0	383	0	19	0	15	5	15	5								1	3	1	3		
	Claystone	368	9	368	11			2	2								18	2933	366	6	368	9	2	3			2	3	2	3		
	Shale	369	3	369	11			8	8								19	2934	369	11	372	7	2	8			2	8	2	8		
	Shale	372	7	373	2			7	7								20	2935	373	2	375	6	2	4	3	3	2	1	2	1		
	Shale	373	6	373	8 $\frac{1}{2}$	2 $\frac{1}{2}$			2 $\frac{1}{2}$																							
	Shale	373	10 $\frac{1}{2}$	373	11																											
	Shale	375	6	375	10 $\frac{1}{2}$			4 $\frac{1}{2}$	4 $\frac{1}{2}$																							
	Shale	377	7	377	10 $\frac{1}{2}$			3 $\frac{1}{2}$	3 $\frac{1}{2}$																							
						3		40	43													8	6		3	3	7	2	8	3	8	3
<u>POND'S CREEK AREA</u>																																
2 (S)R	Shale	780	10	781	1 $\frac{1}{2}$			3 $\frac{1}{2}$	3 $\frac{1}{2}$	773	9	790	1	16	4	15	2 $\frac{1}{2}$	15	2 $\frac{1}{2}$	9	930	773	9	776	1	2	4		2	4	2	4
	Siltstone	787	1 $\frac{1}{2}$	787	7 $\frac{1}{2}$			6	6											10	931	776	1	778	5	2	4		2	4	2	4
	Shale	788	2	788	6	4			4											11	932	778	5	780	10	2	5		2	5	2	5
																				12	933	781	1 $\frac{1}{2}$	784	1 $\frac{1}{2}$	3	0		3	0	3	0
																				13	934	784	1 $\frac{1}{2}$	787	1 $\frac{1}{2}$	3	0		3	0	3	0
																				14	935	787	7 $\frac{1}{2}$	790	1	2	5 $\frac{1}{2}$		2	5 $\frac{1}{2}$	2	5 $\frac{1}{2}$
						4		9 $\frac{1}{2}$	13 $\frac{1}{2}$													15	6 $\frac{1}{2}$		4	4		15	2 $\frac{1}{2}$	15	2 $\frac{1}{2}$	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- uded Bands					
		FROM						TO		THICKNESS		FROM						TO		THICK- NESS																
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
		POND'S CREEK AREA																																		
3 S	Shale	391	0	392	0		12 12	390	0	397	6	7	6	6	6	6	9	533	390	0	391	0	1	0			1	0	1	0						
																10	534	392	0	395	11	3	11			3	11	3	11							
							12 12															4	11			1	7	4	11							
7 S	Siltstone	149	9	150	0		3 3	144	10	157	2	12	4	10	9	10	9	2	108	144	10	149	9	4	11		4	11	4	11						
	Shale	151	9	151	11		2 2										3	109	153	4 $\frac{1}{2}$	154	9 $\frac{1}{2}$	1	5		1	5	1	5							
	Greywacke	152	7 $\frac{1}{2}$	153	4 $\frac{1}{2}$		9 9																													
	Shale	154	9 $\frac{1}{2}$	155	7 $\frac{1}{2}$		3 3																													
	Shale	155	11	156	0		1 1																													
	Shale	156	2 $\frac{1}{2}$	156	3		1 $\frac{1}{2}$ 1 $\frac{1}{2}$																													
	Shale	158	7	156	7 $\frac{1}{2}$		2 $\frac{1}{2}$ 2 $\frac{1}{2}$																													
							19 19															6	4			4	5	6	4	6	4					
5 T	Shale	90	9	90	9 $\frac{1}{2}$	$\frac{1}{2}$		87	8 $\frac{3}{4}$	97	11 $\frac{1}{2}$	10	2 $\frac{3}{4}$	7	10 $\frac{1}{4}$	7	10 $\frac{3}{4}$	2	668	87	8 $\frac{3}{4}$	90	4 $\frac{1}{4}$	2	7 $\frac{1}{2}$		2	7 $\frac{1}{2}$	2	7 $\frac{1}{2}$						
	Siltstone	93	0	93	4 $\frac{1}{4}$		4 $\frac{1}{4}$ 4 $\frac{1}{4}$										3	669	90	4 $\frac{3}{4}$	93	0	2	7 $\frac{1}{4}$	$\frac{1}{2}$		2	6 $\frac{3}{4}$	2	7 $\frac{1}{4}$						
	Siltstone	94	7 $\frac{1}{2}$	94	8 $\frac{1}{4}$		3 $\frac{3}{4}$ 4 $\frac{1}{4}$										4	670	93	4 $\frac{1}{4}$	95	2	1	9 $\frac{3}{4}$			1	9	1	9						
	Greywacke	95	2	96	9		19 19										5	671	96	9	97	11 $\frac{1}{2}$	1	2 $\frac{1}{2}$		4	4	0	10 $\frac{1}{2}$	0	10 $\frac{1}{2}$					
	Shale	97	2 $\frac{1}{2}$	97	6 $\frac{1}{2}$		4 4																													
							$\frac{1}{2}$ 4 $\frac{3}{4}$	23 $\frac{1}{2}$	28 $\frac{1}{2}$												8	3		$\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	0	$\frac{1}{2}$	7	9 $\frac{3}{4}$	7	10 $\frac{1}{4}$				
6 T	Shale	144	3	144	8		2 3	5	143	9 $\frac{1}{2}$	156	2 $\frac{1}{2}$	12	5	10	6 $\frac{1}{2}$	10	6 $\frac{1}{2}$	1	850	144	6	148	0	3	6		2	2	3	4	3	4			
	Claystone	148	5 $\frac{1}{2}$	148	9		3 $\frac{1}{2}$ 3 $\frac{1}{2}$										2	851	148	0	151	7	3	7		3 $\frac{1}{2}$	3 $\frac{1}{2}$		3	3 $\frac{1}{2}$	3	3 $\frac{1}{2}$				
	Claystone	151	7	152	1		6 6																													
	Greywacke	152	3	152	11		8 8																													
							5 $\frac{1}{2}$ 17	22 $\frac{1}{2}$														7	1			5 $\frac{1}{2}$	5 $\frac{1}{2}$	3	11	6	7 $\frac{1}{2}$	6	7 $\frac{1}{2}$			

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES													
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS	FROM			TO							THICKNESS			SAMPLE INTERVAL			INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl- uded Bands	
		FROM	TO					FROM	TO		THICK- NESS	FROM	TO		THICK- NESS			FT.	INS.	FT.	INS.	FT.	INS.					FT.	INS.	FT.	INS.
		FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.			FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.	FT.	INS.		
POND'S CREEK AREA																															
7 T				146	3½	152	2	5	10½	5	10½	5	10½	2	853	146	3½	149	3½	3	0			3	0	3	0				
														3	854	149	3½	152	2	2	10½			2	10½	2	10½				
																			5	10½			5	10½	5	10½					
8 (T) R	Siltstone	48	0	48	7		7	47	0	58	0	11	0	9	9½	9	9½	1	1011	48	7	50	6	1	11			1	11	1	11
	Siltstone	50	6	50	10½		4½							2	1012	50	10½	52	10	1	11½			1	11½	1	11½				
	Greywacke	57	0	57	3		3							3	1013	52	10	54	10	2	0			2	0	2	0				
														4	1014	54	10	57	0	2	2			2	2	2	2				
							14½	14½										8	½			1	9	8	½	8	½				
9 T	Claystone	149	4	149	7½		3½	146	6	155	8	9	2	8	0	8	0	1	1205	146	6	149	4	2	10			2	10	2	10
	Greywacke	149	9½	149	11		1½							2	1206	149	7½	152	½	2	5		1½	1½	2	3½	2	3½			
	Claystone	152	½	152	6½		6							3	1207	152	6½	154	½	1	7		1½	1½	1	6½	1	6½			
	Siltstone	153	6	153	6½		½							4	1208	154	3½	155	8	1	4½		½	½	1	4	1	4			
	Greywacke	154	1½	154	3½		2																								
	Siltstone	155	½	155	2		½																								
							2½	11½	14									8	2½			2½	2½		8	0	8	0			
15 (T) R	Claystone	111	10	112	2		4	106	6	117	4	10	10	9	9	9	9	1	1508	106	6	109	0	2	6			2	6	2	6
	Claystone	114	9	115	5		9							2	1509	109	0	110	0	1	0					1	0	1	0		
														3	1510	110	0	111	10	1	10					1	10	1	10		
														4	1511	112	2	114	8	2	6					2	6	2	6		
														5	1512	115	5	117	4	1	11					1	11	1	11		
							13	13										9	9							9	9	9	9		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN ARTIE'S SEAM.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24														
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl Bands
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS																	
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						
POND'S CREEK AREA.																																					
8 (T)								46	7	49	9	3	2	3	2	3	2	1	1009	46	7	49	9	3	2					3	2	3	2				
15 (T)	Greywacke	102	7	102	9																									2	4	2	4				
	Siltstone	102	9	103	0														2	1308	100	3	102	7	2	4				2	1	2	1				
	Greywacke	105	1	105	5																																
	Siltstone	107	0	107	6																																
				15																		4		4	4	4	5	4	5								

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN LOWER ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands					
		FROM						TO		THICKNESS																										
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.										Ft.	Ins.	Ft.	Ins.
FARRELL'S CREEK AREA																																				
1 & 6 S	Shale	497	3	497	4	1/2		1/2	1	496	0	504	0	8	0	6	4 1/2	6	5	18	3060	496	0	497	3	1	3	1/2		1/2		1	2 1/2	1	3	
	Shale	498	9 1/2	499	3 1/2			6	6										19	3061	497	3 1/2	498	9 1/2	1	6					1	6	1	6		
	Shale	500	3 1/2	500	9			5 1/2	5 1/2																											
	Shale	501	6	502	1			7	7																											
1/2 19 19 1 9 1/2 1/2 3 8 2 8 1/2 2 9																																				
7 S	Shale	454	7 1/2	454	9			1 1/2	1 1/2	454	1	463	4	9	3	8	3 1/2	8	3 1/2	13	3265	454	1	456	5	2	4		1 1/2		2	2 1/4	2	2 1/2		
	Shale	456	5	456	5 1/2			1/2	1/2										14	3266	456	5 1/2	457	10	1	4 1/2					1	4 1/2	1	4 1/2		
	Shale	457	10	458	6			8	8										15	3267	458	6	460	9	2	3					2	3	2	3		
	Shale	460	9	460	10 1/2			1 1/2	1 1/2										16	3268	460	10 1/2	463	4	2	5 1/2					2	5 1/2	2	5 1/2		
1 1/2 10 11 1/2 8 5 1 1/2 1 1/2 8 3 1/2 8 3 1/2																																				
POND'S CREEK AREA																																				
1 (S) R	Shale	172	0	172	1	1/2	1/2		1	171	9 1/2	175	6	3	8 1/2	3	2	3	3	3	497	171	9 1/2	174	0	2	2 1/2	1	1/2	1 1/2		2	1	2	2	
	Siltstone	173	11 1/2	174	5	1/2		5	5 1/2																											
1 1/2 1/2 5 6 1/2 2 2 1/2 1 1/2 1 1/2 1 1 2 1 2 2																																				
4 S	Shale	512	6	512	6 1/2	1/2		1/2	1/2	510	7	514	7	4	0	3	11 1/2	4	0	14	900	510	7	512	0	1	5					1	5	1	5	
						1/2		1/2											15	901	512	0	513	4	1	4	1/2		1/2		1	3 1/2	1	4		
2 9 1 3 2 8 1/2 2 9																																				
8 S	Greywacke	249	8	249	10			2	2	249	2	252	11	3	9	3	7	3	7	5	1004	249	10	252	11	3	1					6	3	1	3	1

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN MIDDLE ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS				TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS									SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- uded Bands					
		FROM						TO		THICK- NESS																								
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
		PARNELL'S CREEK AREA																																
22 S								101	1	105	9½	4	8½	4	8½	4	8½	1	189	102	5	103	8	1	3			1	3	1	3			
														2	190	103	8	105	9½	2	1½						2	1½	2	1½				
																				3	4½					1	4	3	4½	3	4½			
FARRELL'S CREEK AREA																																		
1 & 6 S								440	2	443	11	3	9	3	9	3	9	16	3058	440	2	442	0	1	10			1	10	1	10			
														17	3059	442	0	443	11	1	11						1	11	1	11				
																						3	9				3	9	3	9				
7 S								445	7	450	9	5	2	5	2	5	2	11	3263	445	7	448	2	2	7			2	7	2	7			
														12	3264	448	2	450	9	2	7						2	7	2	7				
																						5	2				5	2	5	2				
POND'S CREEK AREA																																		
1 S	Shale	375	6¾	375	7½		3	374	11	379	3½	4	4½	4	2½	4	4½	7	2756	374	11	376	5	1	6	1½		1	4¾	1	6			
	Shale	375	10	375	10½		4											8	2757	376	5	379	3½	2	10½	¾		2	9¾	2	10½			
	Shale	378	10½	378	11		2																											
																						4	4½	2			4	2½	4	4½				
4 S	Shale	493	2½	493	5		2½	2½	491	11	494	8	2	9	2	6½	2	6½	13	899	491	11	494	8	2	9		2½	2½	2	6½	2	6½	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl Bands																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		PARNELL'S CREEK AREA.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
10 (S)	Shale	130	2½	131	3			6½	6½	128	10½	130	2	10	3½	9	9	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS	FROM		TO		THICKNESS						SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands				
		FROM						TO		THICKNESS		FROM		TO				THICK- NESS		Ft. Ins.		Ft. Ins.					Ft. Ins.		Ft. Ins.						
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	
PARNELL'S CREEK AREA																																			
17 S	Shale	337	9	337	9 ³ / ₄	4 ³ / ₄				333	1 ¹ / ₂	341	7	8	6 ¹ / ₂	8	1 ¹ / ₂	8	2	13	2683	333	1 ¹ / ₂	333	8 ¹ / ₂	0	8					0	8	0	8
	Claystone	338	3	338	6		3	3												14	2684	333	8 ¹ / ₂	334	6	0	9 ¹ / ₂					0	9 ¹ / ₂	0	9 ¹ / ₂
	Claystone	339	10 ¹ / ₄	339	11 ³ / ₄		1 ¹ / ₂	1 ¹ / ₂												15	2685	334	6	335	5 ¹ / ₂	0	11 ¹ / ₂					0	11 ¹ / ₂	0	11 ¹ / ₂
																				16	2686	335	5 ¹ / ₂	338	3	2	9 ¹ / ₂	4 ³ / ₄		4 ³ / ₄		2	8 ³ / ₄	2	9 ¹ / ₂
																				17	2687	338	6	339	10 ¹ / ₄	1	4 ¹ / ₄					1	4 ¹ / ₄	1	4 ¹ / ₄
																				18	2688	339	11 ³ / ₄	341	7	1	7 ¹ / ₄					1	7 ¹ / ₄	1	7 ¹ / ₄
							4 ³ / ₄	5 ¹ / ₂																8	2	3 ³ / ₄		3 ³ / ₄		8	1 ¹ / ₂	8	2		
24 S										183	10	187	5	3	7	3	7	3	7	7	1493	183	10	185	7	1	9					1	9	1	9
																				8	1494	185	7	187	5	1	10					1	10	1	10
																								3	7						3	7	3	7	
25 S	Siltstone	105	1 ¹ / ₂	105	2		1 ¹ / ₂		1 ¹ / ₂	104	10	107	7	2	9	2	6	2	6	4	1313	104	10	107	7	2	0		3	3		2	6	2	6
	Siltstone	106	5 ¹ / ₂	106	7		1 ¹ / ₂		1 ¹ / ₂																										
	Siltstone	106	9	106	10		1		1																										
							3		3																2	9		3	3		2	6	2	6	
FARRELL'S CREEK AREA																																			
1 & 6 S	Shale	430	1	430	5	1		3	4	428	9	434	10	6	1	5	7	5	8	14	3056	428	9	430	2	1	5	1		1		1	4	1	5
	Shale	432	8	432	10			2	2											15	3057	432	10	434	10	2	0				2	0	2	0	
						1		5	6															3	5	1		1	2	3	3	4	3	5	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER ARTIE'S SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands																					
		FROM						TO		THICKNESS		FROM		TO				THICK- NESS																																		
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.																		
		FARRELL'S CREEK AREA																																																		
7 S	Shale	439	2	439	4 $\frac{1}{2}$		2 $\frac{1}{2}$		2 $\frac{1}{2}$	438	4	443	10	5	6	4	8	4	8	9	3261	438	4	440	2	1	10		4	4		1	6	1	6																	
	Shale	439	9	439	10 $\frac{1}{2}$		1 $\frac{1}{2}$		1 $\frac{1}{2}$										10	3262	440	4	443	10	3	6		4	4		3	2	3	2																		
	Shale	440	2	440	4			2	2																																											
	Shale	442	0	442	4		4		4																																											
																		8	2	10											5	4		8	8		4	8	4	8												
POND'S CREEK AREA																																																				
1 (S) R	Claystone	164	8 $\frac{1}{2}$	165	$\frac{1}{2}$		4	4	162	3	163	3	6	0	5	8	5	8	1	495	162	3	164	8 $\frac{1}{2}$	2	5 $\frac{1}{2}$					2	5 $\frac{1}{2}$	2	5 $\frac{1}{2}$																		
																				2	496	165	$\frac{1}{2}$	163	3	3	2 $\frac{1}{2}$					3	2 $\frac{1}{2}$	3	2 $\frac{1}{2}$																	
																																4	4											5	8					5	8	5
4 S																			474	10	478	9	3	11	3	11	3	11	11	897	474	10	477	0	2	2					2	2	2	2								
																													12	898	477	0	478	9	1	9					1	9	1	9								
																													3	11									3	11	3	11										
8 S	Shale	224	5	224	11		6	6	223	6 $\frac{1}{2}$	232	0	8	5 $\frac{1}{2}$	7	8 $\frac{1}{2}$	7	8 $\frac{1}{2}$	1	1000	223	6 $\frac{1}{2}$	224	5	0	10 $\frac{1}{2}$					0	10 $\frac{1}{2}$	0	10 $\frac{1}{2}$																		
																				Claystone	230	5 $\frac{1}{2}$	230	8 $\frac{1}{2}$		3	3										2	1001	224	11	227	11	3	0					3	0	3	0
																																					3	1002	227	11	230	5 $\frac{1}{2}$	2	6 $\frac{1}{2}$					2	6 $\frac{1}{2}$	2	6 $\frac{1}{2}$
																																					4	1003	230	8 $\frac{1}{2}$	232	0	1	3 $\frac{1}{2}$					1	3 $\frac{1}{2}$	1	3 $\frac{1}{2}$
																																																	9	9		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM A.

1	2	3		4		5	6	7	8	9		10		11		12		13		14	15	16		17		18		19	20	21	22	23		24			
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS		TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS		SAMPLE No.	ANALYSIS No.	COAL SAMPLES															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS													SAMPLE INTERVAL															
		FROM		TO						THICK- NESS		INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis							Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- Bands													
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.				Ft.							Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.
PARNELL'S CREEK AREA																																					
24 S	Siltstone	156	5½	156	7		1½		1½	155	6½	158	4	2	9½	2	8	2	8	6	1492	155	6½	158	4	2	9½		1½	1½			2	8	2	8	
25 S	Siltstone	79	9½	79	10¼		¾		¾	77	7	80	10½	3	3½	3	2¼	3	2¼	2	1311	77	7	79	7½	2	½					2	½	2	½		
	Siltstone	80	3	80	3½		¾		¾										3	1312	79	7½	80	10½	1	3		1¼	1¼		1	1¾	1	1¾			
							1½		1½																												
POND'S CREEK AREA																																					
5 T										29	9½	32	6	2	8½	2	8½	2	8½	1	667	29	9½	32	6	2	8½					2	8½	2	8½		
7 T										89	4	93	6	4	2	4	2	4	2	1	852	89	4	93	6	4	2					4	2	4	2		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM B.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES															
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl. Bands				
		FROM																TO		THICKNESS		FROM								TO		THICK- NESS	
		Ft.	Ins.	Ft.	Ins.		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.					Ins.	Ft.	Ins.	Ft.	Ins.	Ft.							Ins.	Ft.	Ins.	Ft.
		PARNELL'S CREEK AREA																															
29 T	Shale	86	11	86	11½	½	½	85	6	88	9	3	3	3	2½	3	2½	3	2915	85	6	88	9			3		3		½	½	3	2½
POND'S CREEK AREA																																	
4 S	Shale	352	11½	353	3	3½	3½	351	6	356	10½	5	4½	4	3½	4	3½	10	896	351	6	354	4	2	10	3½	3½	2	6½	2	6½		
	Shale	354	4	354	7½	3½	3½																										
	Shale	350	0	350	2½	2½	2½																										
	Shale	355	5	355	8½	3½	3½																										
																		3½		9½	13												
																		2		10	3½		3½	1	9	2	6½	2	6½				

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM C.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS		TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS		SAMPLE No.	ANALYSIS No.	COAL SAMPLES																											
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS													SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- uded Bands															
																																		FROM		TO		THICK- NESS									
		FROM						TO		THICKNESS		FROM		TO		THICK- NESS				FROM		TO		THICK- NESS																							
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.												
PARNELL'S CREEK AREA																																															
8 S	Shale	86	7	86	10	3	3	86	2	90	9½	4	7½	4	4½	4	4½	8	2126	86	2	88	6	2	4	3	3	2	1	2	1																
																																9	2126	88	6	90	9½	2	3½	4	7½	3	3	2	3½	2	3½
16 S								91	11	95	5½	3	6½	3	6½	3	6½	6	2588	91	11	93	2½	1	3½			1	3½	1	3½																
																																7	2589	93	2½	95	5½	2	3	3	6½	2	3	2	3	2	3
17 S	Shale	285	6	285	6½			284	4	291	1¾	6	9¾	5	4½	5	4½	10	2680	284	4	285	6	1	2			1	2	1	2																
	Shale	285	9	285	10½	1	1											11	2681	287	5¼	288	3		9¾			9¾																			
	Shale	286	1¼	286	1¾													12	2682	288	6	291	1¾	2	7¾		2	7¾	2	7¾																	
	Claystone	286	2¼	286	3																																										
	Claystone	286	6¼	287	5¼	11	11																																								
	Claystone	288	3	288	6	3	3																																								
				17½				17½												4				7½				9				4				7½											
18 S	Shale	157	½	157	1½	1	1	154	10¾	158	2	3	3¼	3	1¾	3	1¾	9	2565	154	10¾	155	11¾	1	1			1	1	1	1																
	Shale	157	5	157	5½	½	½											10	2566	155	11¾	157	1½	1	1¾	1	1	¾	1	¾																	
						½	1											11	2567	157	1¾	158	2	1	¾	½	1	0	1	0																	
				½				1				1½								3				¾				¾				1				1½											
19 S	Shale	68	0	68	¾	¾	¾	67	1	71	0	3	11	3	10¼	3	10¼	3	3271	67	1	69	1	2	0	¾	¾	1	11¼	1	11¼																
																																4	3272	69	1	71	0	1	11	¾	¾	3	10¼	3	10¼		
																																														3	11

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM C.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES													
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl. Bands		
		FROM						TO		THICKNESS		FROM						TO		THICK- NESS											
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.
PARNELL'S CREEK AREA																															
20 S								399	1	403	1	4	0	4	0	4	0	17	156	399	1	401	1	2	0			2	0	2	0
																		18	157	401	1	403	1	2	0			2	0	2	0
																								4	0			4	0	4	0
21 S	Shale	247	7	247	8½	1½	1½	246	0	252	5½	6	5½	5	10	5	10	10	3229	246	0	248	6	2	6		1½	2	4½	2	4½
	Shale	243	6	248	8½	2½	2½											11	3230	248	8½	249	10½	1	2			1	2	1	2
	Siltstone	249	10½	250	2	3½	3½											12	3231	250	2	252	5½	2	3½			2	3½	2	3½
						1½	6	7½															5	11½		1½			5	10	5
23 S								374	4	377	8	3	4	3	4	3	4	14	129	374	4	377	8	3	4			3	4	3	4
29 T								59	11	62	9	2	10	2	10	2	10	1	2913	59	11	61	8	1	9			1	9	1	9
																		2	2914	61	8	62	9	1	1			1	1	1	1
																							2	10			2	10	2	10	
FARRELL'S CREEK AREA																															
1 & 6 S								367	1	370	8	3	7	3	7	3	7	12	3054	367	1	368	11	1	10			1	10	1	10
																		13	3055	368	11	370	8	1	9			1	9	1	9
																							3	7			3	7	3	7	
2 & 3 S	Shale	243	8½	243	10	1½	1½	248	7	251	8	3	1	2	11½	2	11½	14	2929	248	10	250	5	1	7			1	7	1	7
																		15	2930	250	5	251	8	1	3			1	3	1	3
						1½	1½																2	10			1½	2	10	2	10

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM C.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.E. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl- ed Bands				
		FROM						TO		THICKNESS																								
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.			Ft.	Ins.	Ft.	Ins.
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.			Ft.	Ins.	Ft.	Ins.
POND'S CREEK AREA																																		
2 (S) R								691	0	694	1	3	1	3	1	3	1	8	929	691	0	694	1	3	1			3	1	3	1			
3 S								320	2½	324	6½	4	4	4	4	4	4	8	532	320	2½	324	6½	4	4			4	4	4	4			
7 S	Shale	83	6	83	7½		1½	1½	81	10½	84	9	2	10½	2	9	2	9	1	107	81	10½	84	9	2	10½		1½	1½		2	9	2	9

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN S E A M E C.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						SAMPLE No.	ANALY SIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS									SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl Bands						
		FROM														FROM		TO		THICK- NESS													
		Ft.	Ins.	Ft.	Ins.		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.				Ins.	Ft.	Ins.						
PARNELL'S CREEK AREA																																	
24 S	Siltstone	125	10 $\frac{1}{2}$	125	11 $\frac{1}{2}$	1	1	122	1	127	1	5	$\frac{1}{2}$	4	1 $\frac{1}{2}$	4	1 $\frac{1}{2}$	4	1490	122	1	124	6	2	5			2	5	2	5		
	Siltstone	126	8 $\frac{1}{2}$	126	10	1 $\frac{1}{2}$	1 $\frac{1}{2}$																					1	8 $\frac{1}{2}$	1	8 $\frac{1}{2}$		
	Coaly sh.	124	6	125	2 $\frac{1}{2}$																												
						2 $\frac{1}{2}$	8 $\frac{1}{2}$	11																									
25 S	Shale	73	7	73	8	1	1	71	11	74	7 $\frac{1}{2}$	2	8 $\frac{1}{2}$	2	7 $\frac{1}{2}$	2	7 $\frac{1}{2}$	1	1310	71	11	74	7 $\frac{1}{2}$	2	8 $\frac{1}{2}$	1	1			2	7 $\frac{1}{2}$	2	7 $\frac{1}{2}$

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM D.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl. Bands						
		FROM						TO		THICKNESS																									
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
		FARRELL'S CREEK AREA																																	
2 & 3 S	Splint	222	3	222	4½	½		1	1½	221	2	224	0	2	10	2	8½	2	9	12	2927	221	2	222	4	1	1					1	1	1	1
																															1	7½	1	8	
						½		1	1½																					2	8½	2	9		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM E.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES											
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands
		FROM						TO		THICKNESS		FROM						TO		THICK- NESS									
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.
PARNELL'S CREEK AREA																													
8 S	Shale	58	1	58	3	2		2		57	11½	61	0	3	½	2	9½	2	9½					9½	2	9½			
	Claystone	58	11	59	½		11	11									7	2125	59	½	61	0	1	11½	1	11½			
						2	11	31											2	11½		2	2	2	9½	2	9½		
16 S	Siltstone	68	½	68	11¼	¾		¾		67	3	70	10	3	7	3	5¼	3	6					11¼	1	0			
	Siltstone	68	3	68	4		1	1									4	2586	67	3	68	3	1	0	¾	¾			
						¾	1	1¾										5	2587	68	4	70	10	2	6	¾	¾		
17 S																													
										259	7	262	9½	3	2½	3	2½	3	2½	8	2678	259	7	260	3	0	8		
																			9	2679	260	3	262	9½	2	6½			
19 S																													
										46	6	50	0	3	6	3	6	3	6	1	3269	46	6	48	3	1	9		
																			2	3270	48	3	50	0	1	9			
20 S																													
21 S																													

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM E.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickne- ss of Analy- sed Coal with In- cluded Bands					
		FROM																TO		THICK- NESS																
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.									
		PARNELL'S CREEK AREA.																																		
23 S	Shale	349	2	349	4		2	2	349	3	351	3	3	0	2	10	2	10	12	127	348	3	349	2	0	11			11		11					
																		13	128	349	4	351	3	1	11			1	11	1	11					
										3	3												2	10					2	10	2	11				
22T									125	2	128	2	3	0	3	0	3	0	6	2556	125	2	128	2	3	0			3	0	3	0				
FARRELL'S CREEK AREA.																																				
1&6 S									331	0	335	1 1/2	4	1 1/2	4	1 1/2	4	1 1/2	10	3052	331	0	333	1	2	1			2	1	2	1				
																		11	3053	333	1	335	1 1/2	2	1 1/2			2	0 1/2	2	0					
																							4	1 1/2				4	1 1/2	4	1					
POND'S CREEK AREA.																																				
8 (S)R	siltstone	90	10	91	3		5	5	89	10	94	2	4	4	3	7	3	7	1	1015	91	3	94	2	2	11		4	4		2	7	2	7		
"	"	92	3	92	7			4																												
								4	5	9																2	11		4	4	1	0	2	7	2	7

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN

SEAM G.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl Bands					
		FROM						TO		THICKNESS		FROM		TO				THICK- NESS																		
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
PARNELL'S CREEK AREA																																				
6 S	Shale	223	11 $\frac{1}{4}$	224	3 $\frac{1}{2}$		4 $\frac{1}{4}$	4 $\frac{1}{4}$	222	10 $\frac{1}{4}$	223	7 $\frac{1}{2}$	5	9 $\frac{1}{4}$	4	6	4	7	10	1992	222	10 $\frac{1}{4}$	223	11 $\frac{1}{4}$	1	1							1	1	1	1
	Splint	225	1 $\frac{3}{4}$	225	2 $\frac{1}{4}$	2 $\frac{1}{2}$													11	1993	224	3 $\frac{1}{2}$	226	1 $\frac{3}{4}$	1	9	2 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$		1	5 $\frac{3}{4}$	1	6 $\frac{1}{4}$		
	Splint	225	5 $\frac{1}{4}$	225	8 $\frac{1}{2}$		2 $\frac{3}{4}$	2 $\frac{3}{4}$											12	1994	226	6	223	1 $\frac{1}{2}$	2	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{3}{4}$	2 $\frac{1}{4}$		1	11 $\frac{1}{4}$	1	11 $\frac{3}{4}$		
	Shale	226	1 $\frac{1}{2}$	226	6			5 $\frac{1}{2}$	5 $\frac{1}{2}$																											
	Shale	226	9	226	10		1	1																												
	Shale	227	10	227	10 $\frac{3}{4}$		3 $\frac{3}{4}$	3 $\frac{3}{4}$																												
	Shale	227	11 $\frac{3}{4}$	228	1 $\frac{1}{4}$	1 $\frac{1}{2}$		1 $\frac{1}{2}$	1 $\frac{1}{2}$																											
						1	4 $\frac{1}{2}$	9 $\frac{3}{4}$	15 $\frac{1}{4}$																	4	11 $\frac{1}{2}$	1	4 $\frac{1}{2}$	5 $\frac{1}{2}$		4	6	4	7	
8 S	Shale	44	9 $\frac{1}{4}$	44	9 $\frac{3}{4}$	1 $\frac{1}{2}$			1 $\frac{1}{2}$	44	8 $\frac{1}{4}$	51	10	7	13 $\frac{3}{4}$	5	7 $\frac{1}{4}$	5	7 $\frac{3}{4}$	2	2120	44	8 $\frac{1}{4}$	45	5		8 $\frac{3}{4}$	1 $\frac{1}{2}$		1 $\frac{1}{2}$		8 $\frac{1}{4}$	1	8 $\frac{3}{4}$		
	Claystone	45	5	46	0			7	7											3	2121	46	0	47	8	1	8				1	8	1	8		
	Shale	49	1 $\frac{1}{2}$	49	9 $\frac{1}{2}$			9	9											4	2122	47	8	49	1 $\frac{1}{2}$	1	4 $\frac{1}{2}$				1	4 $\frac{1}{4}$	1	4 $\frac{1}{4}$		
	Shale	50	4	50	6		2		2											5	2123	49	9 $\frac{1}{2}$	51	10	2	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	1	10 $\frac{1}{2}$	1	10 $\frac{1}{2}$		
						1 $\frac{1}{2}$	2	16	18 $\frac{1}{2}$																	5	9 $\frac{3}{4}$	1	2	5		5	7 $\frac{1}{4}$	5	7 $\frac{3}{4}$	
16 S	Shale	50	3	50	3 $\frac{3}{4}$	3 $\frac{3}{4}$			3 $\frac{3}{4}$	50	1	56	1	6	0	5	3 $\frac{3}{4}$	5	2 $\frac{1}{2}$	1	2583	50	1	51	1 $\frac{1}{2}$	1	1 $\frac{1}{2}$	3 $\frac{3}{4}$		3 $\frac{3}{4}$		11 $\frac{3}{4}$	1	1 $\frac{1}{2}$		
	Claystone	51	1 $\frac{1}{4}$	51	5 $\frac{1}{4}$			4	4											2	2584	51	5 $\frac{1}{2}$	53	5 $\frac{1}{2}$	2	0	1		1		1	11	2	0	
	Siltstone	53	1 $\frac{1}{2}$	53	2 $\frac{1}{4}$	1			1											3	2585	54	6	56	1	1	7					1	7	1	7	
	Shale	53	5 $\frac{1}{2}$	53	9 $\frac{1}{4}$			3 $\frac{3}{4}$	3 $\frac{3}{4}$																											
	Shale	53	11 $\frac{1}{4}$	54	0			3 $\frac{3}{4}$	3 $\frac{3}{4}$																											
	Siltstone	54	5	54	6			1	1																											
						1 $\frac{3}{4}$		9 $\frac{1}{4}$	11 $\frac{1}{4}$																		4	7 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	6	4	5 $\frac{3}{4}$	4	7 $\frac{1}{2}$	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN _____ **SEAM C.**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl. Bands				
		FROM						TO		THICK- NESS																									
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	
		PARNELL'S CREEK AREA																																	
18 S	Siltstone	116	6 $\frac{1}{4}$	116	9 $\frac{1}{4}$	3 $\frac{1}{2}$		3 $\frac{1}{2}$	116	$\frac{1}{2}$	122	9	6	8 $\frac{1}{2}$	4	6 $\frac{1}{2}$	4	6 $\frac{1}{2}$	5	2561	116	1 $\frac{1}{2}$	117	3 $\frac{1}{4}$	1	2 $\frac{3}{4}$		4 $\frac{1}{2}$	4 $\frac{1}{2}$		10 $\frac{1}{4}$	10 $\frac{1}{4}$			
	Siltstone	116	10 $\frac{3}{4}$	116	11 $\frac{3}{4}$	1		1											6	2562	117	5 $\frac{1}{4}$	118	8 $\frac{1}{4}$	1	3				1	3 $\frac{1}{4}$	1	3		
	Siltstone	117	3 $\frac{1}{4}$	117	5 $\frac{1}{4}$		2	2											7	2563	119	1 $\frac{1}{2}$	120	5 $\frac{1}{2}$	1	4		2 $\frac{1}{2}$	2 $\frac{1}{2}$	1	1 $\frac{1}{2}$	1	1 $\frac{1}{2}$		
	Siltstone	118	8 $\frac{1}{4}$	119	1 $\frac{1}{2}$		5 $\frac{1}{4}$	5 $\frac{1}{4}$											8	2564	121	1 $\frac{1}{2}$	122	9	1	7 $\frac{1}{2}$		3 $\frac{3}{4}$	3 $\frac{3}{4}$	1	3 $\frac{3}{4}$	1	3 $\frac{3}{4}$		
	Siltstone	119	7	119	9 $\frac{1}{2}$	2 $\frac{1}{2}$		2 $\frac{1}{2}$																											
	Siltstone	120	5 $\frac{1}{2}$	121	1 $\frac{1}{2}$		8	8																											
	Siltstone	121	5	121	7 $\frac{1}{2}$	2 $\frac{1}{2}$		2 $\frac{1}{2}$																											
	Siltstone	121	10 $\frac{3}{4}$	122	0	1 $\frac{1}{4}$		1 $\frac{1}{4}$																											
						10 $\frac{3}{4}$	15 $\frac{1}{4}$	26																	5	5 $\frac{1}{4}$		10 $\frac{3}{4}$	10 $\frac{3}{4}$		4	6 $\frac{1}{4}$	4	6 $\frac{1}{4}$	
20 S	Siltstone	353	6	354	1		7	7	352	5	361	4	8	11	6	4	6	4	12	151	354	1	356	6	2	5			1	1		2	4	2	4
	Shale	356	6	357	8		14	14											13	152	357	8	359	1	1	5					1	5	1	5	
	Shale	359	1	359	10		9	9											14	153	359	10	361	4	1	6					1	6	1	6	
	Siltstone	356	0	356	1	1		1																											
						1	30	31																	5	4		1	1	1	1	5	3	5	3
21 S	Shale	189	1	189	2		1	1	188	4	191	1	2	9	2	8	2	8	6	3225	188	4	189	1		9						9		9	
																			7	3226	189	2	191	1	1	11					1	11	1	11	
						1	1																		2	8					2	8	2	8	
23 S	Shale	331	0	331	9		9	9	329	4 $\frac{1}{2}$	334	9	5	4 $\frac{1}{2}$	4	10 $\frac{1}{2}$	4	10 $\frac{1}{2}$	10	125	329	4 $\frac{1}{2}$	331	0	1	7 $\frac{1}{2}$					1	7 $\frac{1}{2}$	1	7 $\frac{1}{2}$	
	Shale	332	2	332	2 $\frac{1}{2}$		$\frac{1}{2}$	$\frac{1}{2}$											11	126	333	1	334	9	1	8			1 $\frac{1}{2}$	1 $\frac{1}{2}$	1	6 $\frac{1}{2}$	1	6 $\frac{1}{2}$	
	Shale	332	6	333	1		7	7																											
	Shale	333	10 $\frac{1}{2}$	334	0	1 $\frac{1}{2}$		1 $\frac{1}{2}$																											
						1 $\frac{1}{2}$	16 $\frac{1}{2}$	13																	3	3 $\frac{1}{2}$		1 $\frac{1}{2}$	1 $\frac{1}{2}$	8 $\frac{1}{2}$	3	2	3	2	

S E A M G.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS	FROM		TO		THICKNESS						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysis ed Coal with Incl Bands										
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					
PARNELL'S CREEK AREA																																			
24 S	Siltstone	89	6	89	7	1	1	88	2½	91	2½	3	0	2	11	2	11	3		88	2½	91	2½	3	0	1	1		2	11	2	11			
22 T	Siltstone	107	½	107	2	1½	1½	106	2½	111	2	4	11½	3	8¾	3	8¾	3	2553	106	2½	107	3½	1	1	1½	1½		11½	11½					
	Shale	107	3½	107	6½		3	3										4	2554	107	6¾	109	0	1	5½		1	5½	1	5½					
	Claystone	109	0	109	6¼		6¼	6¼										5	2555	109	6¼	111	2	1	7¾	4	4	1	3¾	1	3¾				
	Shale	109	8¾	109	10¼	1½		1½																											
	Shale	110	2½	110	4	1½		1½																											
	Shale	111	0	111	1	1		1																											
						5½	9¼	14¾																4	2½	5½	5½	3	8¾	3	8¾				
FARRELL'S CREEK AREA																																			
1 & 6 S	Shale	317	2	317	11		9	9	314	6	323	6	9	0	7	1	7	1	8	3050	314	6	317	2	2	8			2	8	2	8			
	Shale	319	5	319	6		1	1											9	3051	317	11	319	5	1	6			1	6	1	6			
	Shale	321	1½	321	11		9½	9½																											
	Shale	322	1	322	2		1	1																											
	Shale	322	4½	322	7		2½	2½																											
						23	23																												
2 & 3 S	Claystone	191	6½	191	9½		3	3	191	3	196	11	5	8	4	4¾	4	5	0	2924	191	9½	193	2	1	4½	½	½	1	4	1	4½			
	Shale	192	10	192	10½	½		½											10	2925	193	7	194	10	1	3		1	1	1	2	2			
	Shale	193	2	193	3½		1½	1½											11	2926	195	4½	196	7½	1	3			1	3	1	3			
	Shale	193	5¾	193	7		1½	1½																											
	Claystone	194	3	194	4	1		1																											
	Shale	194	10	195	4½		6½	6½																											
	Claystone	196	7½	196	9		1½	1½																											
						½	1	13¾	15¼																	3	10½	½	1	1½	7¾	3	9	3	9½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM G.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																	
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						SAMPLE No.	ANALY SIS No.	COAL SAMPLES																																								
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS									SAMPLE INTERVAL			INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands																														
		FROM														FROM		TO																																						
																THICK- NESS																																								
		Ft.	Ins.	Ft.	Ins.		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.																																				
POND'S CREEK AREA																																																								
1 S	Shale	233	10 ³ / ₄	233	11 ³ / ₄	1	1	232	4 ³ / ₄	235	1 ¹ / ₂	2	7 ³ / ₄	2	6 ³ / ₄	2	6 ³ / ₄	6	2755	232	4 ³ / ₄	235	1 ¹ / ₂	2	7 ³ / ₄	1	1	2	6 ³ / ₄	2	6 ³ / ₄																									
3 S	Shale	281	3	281	4	1	1	200	5	285	0	4	7	4	5	4	5	6	530	280	5	282	9	2	4	1	1	2	3	2	3																									
	Shale	283	1	283	2	1	1											7	531	282	9	285	0	2	3	1	1	2	2	2	2																									
						2	2															4	7	2	2	4	5	4	5																											

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM J.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.E. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS				TOTAL GEOLOGI- CAL COAL WITHOUT BANDS		TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS		SAMPLE No.	ANALY SIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- uded Bands				
		FROM						TO		THICK- NESS																									
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	
		POND'S CREEK AREA																																	
4 S	Shale	243	3½	249	7		10½	10½	245	9	257	5	11	3	8	2	8	2	6	392	245	9	243	8½	2	11½					2	11½	2	11½	
	Claystone	252	0	254	2		26	26											7	393	249	7	252	0	2	5					2	5	2	5	
	Shale	255	2	255	7½		5½	5½											8	394	254	2	255	2	1	0					1	0	1	0	
																			9	395	255	7½	257	5	1	9½					1	9½	1	9½	
							42	42																								8	2	8	2

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM J.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																			
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																								
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl- uded Bands											
																		FROM		TO		THICK- NESS																				
		FROM						FROM		TO		THICKNESS						FROM		TO		THICK- NESS						Ft. Ins.		Ft. Ins.												
		Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.										
PARNELL'S CREEK AREA																																										
8 S	Splint	38	8 $\frac{1}{2}$	38	9 $\frac{1}{2}$	1	1	37	11 $\frac{3}{4}$	39	7	1	7 $\frac{1}{4}$	1	4 $\frac{3}{4}$	1	7 $\frac{1}{4}$	1	2119	37	11 $\frac{3}{4}$	39	7	1	7 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$		1	4 $\frac{3}{4}$	1	7 $\frac{1}{4}$										
	Splint	38	10 $\frac{1}{2}$	39	0	1 $\frac{1}{2}$	1 $\frac{1}{2}$																				1	7 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	1	4 $\frac{3}{4}$	1	7 $\frac{1}{4}$								
17 S	Shale	202	11	203	3 $\frac{1}{4}$		4 $\frac{1}{2}$	4 $\frac{1}{2}$	201	9	205	7	3	10	3	1 $\frac{3}{4}$	3	1 $\frac{3}{4}$	6	2676	201	9	202	11	1	2					1	2	1	2								
	Shale	203	6 $\frac{1}{2}$	203	8	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$										7	2677	203	3 $\frac{1}{4}$	205	7	2	3 $\frac{3}{4}$		4	4		1	11 $\frac{3}{4}$	1	11 $\frac{3}{4}$									
	Claystone	204	2	204	3 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$																																		
	Shale	205	2 $\frac{1}{2}$	205	3 $\frac{1}{2}$	1	1	1																																		
						4	4 $\frac{1}{2}$	8 $\frac{1}{2}$																		3	5 $\frac{3}{4}$		4	4		3	1 $\frac{3}{4}$	3	1 $\frac{3}{4}$							
20 S	Shale	341	1	341	1 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	339	11	343	5	3	6	2	7	2	7 $\frac{1}{2}$	10	149	339	11	341	7	1	8	$\frac{1}{2}$	$\frac{1}{2}$			1	7 $\frac{1}{2}$	1	8									
	Shale	341	7	342	1 $\frac{1}{2}$		6 $\frac{1}{2}$	6 $\frac{1}{2}$										11	150	342	1 $\frac{1}{2}$	343	5	1	3 $\frac{1}{2}$		4	4		11 $\frac{1}{2}$		11 $\frac{1}{2}$										
	Claystone	342	7	342	11		4	4																																		
21 S	Shale	167	0	167	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	165	9	169	11	4	2	3	6 $\frac{1}{2}$	3	6 $\frac{1}{2}$	4	3223	165	9	167	3 $\frac{1}{2}$	1	6 $\frac{1}{2}$		$\frac{1}{2}$	$\frac{1}{2}$		1	6	1	6									
	Shale	167	3 $\frac{1}{2}$	167	9 $\frac{1}{2}$		5 $\frac{3}{4}$	5 $\frac{3}{4}$										5	3224	167	9 $\frac{1}{2}$	169	11	2	1 $\frac{3}{4}$		1 $\frac{1}{4}$	1 $\frac{1}{4}$		2	$\frac{1}{2}$	2	$\frac{1}{2}$									
	Shale	167	10 $\frac{3}{4}$	167	11 $\frac{1}{2}$		1 $\frac{3}{4}$	1 $\frac{3}{4}$																																		
	Claystone	168	8	168	8 $\frac{1}{2}$		1 $\frac{3}{4}$	1 $\frac{3}{4}$																																		
						1 $\frac{3}{4}$	5 $\frac{3}{4}$	7 $\frac{1}{2}$																																		
23 S	Shale	308	2 $\frac{1}{2}$	308	7 $\frac{1}{2}$		5	5	305	11	310	2	4	3	3	7 $\frac{1}{2}$	3	7 $\frac{1}{2}$	8	123	305	11	308	2 $\frac{1}{2}$	2	3 $\frac{1}{2}$				2	3 $\frac{1}{2}$	2	3 $\frac{1}{2}$									
	Shale	308	11	309	1 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$										9	124	308	7 $\frac{1}{2}$	310	2	1	6 $\frac{1}{2}$		2 $\frac{1}{2}$	2 $\frac{1}{2}$		1	4	1	4									
						2 $\frac{1}{2}$	5	7 $\frac{1}{2}$																	3	10		2 $\frac{1}{2}$	2 $\frac{1}{2}$		3	7 $\frac{1}{2}$	3	7 $\frac{1}{2}$								

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES														
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thicknes of Analys ed Coal with Incl Bands			
		FROM		TO						THICK- NESS																								
		Ft.	Ins.	Ft.	Ins.						Ft.	Ins.	Ft.	Ins.	Ft.					Ins.	Ft.	Ins.	Ft.	Ins.	Ft.							Ins.	Ft.	Ins.
PARNELL'S CREEK AREA																																		
24 S	Shale	67	4	67	8		4	4	67	1	72	1½	5	½	4	5	4	5	1	1487	67	8	69	10	2	2					2	2	2	2
	Siltstone	71	2½	71	4½	2		2											2	1488	69	10	72	1½	2	3½	2	2			2	1½	2	1½
	Siltstone	71	8	71	9½	1½		1½																										
						3½	4	7½																4	5½	2	2			1½	4	3½	4	3½
22 T	Shale	88	5	88	6¾	1¾		1¾	87	10	89	11½	2	1½	1	11¾	1	11¾	2	2552	87	10	89	11½	2	1½	1¾	1¾			1	11¾	1	11¾
FARRELL'S CREEK AREA																																		
& 6 S									295	7	299	4	3	9	3	9	3	9	6	3048	295	7	297	5	1	10					1	10	1	10
																			7	3049	297	5	299	4	1	11					1	11	1	11
																								3	9					3	9	3	9	
7 S	Shale	262	6	262	8	1	1	2	260	8	264	9	4	1	3	6	3	6	8	3260	260	8	263	6	2	10	1	1	2		2	8	2	8
	Shale	263	6	263	7			1																										
	Shale	263	10	264	2			4																										
						1	1	5	7															2	10	1	1	2	10	2	8	2	8	
POND'S CREEK AREA																																		
1 S	Shale	211	4	211	4½		½	½	210	5	215	4	4	11	3	9½	3	9½	3	2752	210	5	211	4		11					11		11	
	Shale	212	3½	212	5	1½		1½											4	2753	211	4½	213	3½	1	11	1½	1½		1	9½	1	9½	
	Shale	213	3½	214	3		11½	11½											5	2754	214	3	215	4	1	1				1	1	1	1	
						1½	12	13½															3	11			1½	1½		3	9½	3	9½	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM J.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES													
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES
		FROM																		TO				THICKNESS									
		FROM		TO						THICKNESS																							
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.		
POND'S CREEK AREA																																	
3 S								259	9	264	2	4	5	4	5	4	5							2	3	2	3						
															5	529	262	0	264	2	2	2			2	2	2	2					
																								4	5	4	5						

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM QPONL SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analyse d Coal with Incl Bands						
		FROM						TO		THICK- NESS																									
		Ft.	Ins.					Ft.	Ins.		Ft.	Ins.	Ft.					Ins.	Ft.	Ins.	Ft.	Ins.	Ft.							Ins.	Ft.	Ins.	Ft.	Ins.	Ft.
		POND'S CREEK AREA																																	
4 S	Shale	133	7½	133	8½			1	1	133	3½	137	9	4	5½	4	4½	4	4½	4	890	133	8½	135	8½	2	0					2	0	2	0
														5	891	135	8½	137	9	2		½								2	½	2	½		
																										4	½				4	4	½	4	½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM N.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24														
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl- uded Bands				
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS		Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						
PARNELL'S CREEK AREA																																					
17 S	Claystone	162	9½	162	11½			2	2	162	5	167	0	4	7	3	10	3	10	4	2674	164	0	165	½	1	½					1	½	1	½		
	Claystone	163	7	164	0			5	5											5	2675	165	2½	167	0	1	9½					1	9½	1	9½		
	Claystone	165	½	165	2½			2	2																												
								9	9																	2	10			1	0	2	10	2	10		
18 S	Siltstone	60	9¾	61	2¼			4¾	4¾	59	9	66	3	6	6	5	10	5	10	1	2557	59	9	60	9½	1	½					1	½	1	½		
	Siltstone	61	6¾	61	9½	2½		2½	2½											2	2558	61	2¼	62	2¼	1	0		2½	2½			9½	9½			
	Siltstone	62	2¼	62	3			¾	¾											3	2559	62	3	63	0	0	9					9	9	9			
								2½	5½	8										4	2560	63	0	66	3	3	3					3	3	3	3		
																									6	½		2½	2½			5	10	5	10		
20 S								294	3	297	0	2	9	2	9	2	9	2	9	9	143	294	3	297	0	2	9					2	9	2	9		
21 S	Siltstone	140	5	140	6¾	1¾		1¾	139	8	142	3	2	7	2	5¼	2	5¼	3	3222	139	8	142	3	2	7			1¾	1¾			2	5¼	2	5¼	
23 S								254	0	256	9	2	9	2	9	2	9	2	9	7	122	254	286	9	2	9						2	9	2	9		
22 T	Siltstone	41	7½	41	7¾			¼	¼	41	4	44	3	2	11	2	10	2	10¾	1	2551	41	4	44	3	2	11	¾	¼	1		2	10	2	10¾		
	Clay sh.	43	8¾	43	9½			½	½																												
								½	1																			2	11	¾	¼	1		2	10	2	10¾

S E A M N.

1 & 6 S	Shale	266	7	226	8	1	1	225	7½	231	6	5	10½	5	9½	5	9½	5	3047	226	8	231	3	4	7	1	2½	4	7	4	7		
2 & 3 S								146	3	149	6½	3	3½	3	3½	3	3½	7	2922	146	3	147	8	1	5					1	5	1	5
																		8	2923	147	8	149	6½	1	10½					1	10½	1	10½
																							3	3½						3	3½	3	3½
7 S								217	1	221	1	5	0	5	0	5	0	6	3258	217	1	219	7	2	6					2	6	2	6
																		7	3259	219	7	222	1	2	6½					2	6	2	6
																							5	0						5	0	5	0
POND'S CREEK AREA																																	
1 S	Splint	181	2½	181	6½	4	4	178	6	182	3½	3	9½	3	5½	3	5½	1	2750	178	6	181	2½	2	8½					2	8½	2	8½
																		2	2751	181	6½	182	3½		9½					9½		9½	
						4	4																3	5½						3	5½	3	5½
3 S	Shale	229	9	229	10	1	1	224	7	230	11	6	4	6	3	6	3	1	525	224	7	227	2	2	7					2	7	2	7
																		2	526	227	2	229	9	2	7					2	7	2	7
																		3	527	229	10	230	11	1	1					1	1	1	1
						1	1																6	3						6	3	6	3

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM Q.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24															
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY SIS No.	COAL SAMPLES																		
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands					
		FROM		TO						THICK- NESS																												
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.		
PARNELL'S CREEK AREA																																						
6 S	Claystone	105	0	105	2		2			2	104	4½	109	8¾	5	4½	4	1	4	1	8	1990	104	4½	105	5¾	1	1½		2	2			11½	11½			
	Claystone	105	3¾	106	2					8½	8½									9	1991	106	2	109	8¾	3	6¾		5¼	5¼		3	1½	3	1½			
	Claystone	106	11	107	1		2			2																												
	Claystone	107	4½	107	6		1½			1½																												
	Shale	109	4	109	5¾		1¾			1¾																												
							7½			8½		15½																4	8½		7½	7½		4	1	4	1	
17 S	Shale	138	7½	138	9½		2			2	134	4	139	1½	4	9½	4	7½	4	7½	2	2672	135	9	137	5	1	8					1	8	1	8		
																				3	2673	137	5	139	1½	1	8½		2	2		1	6½	1	6½			
																									3	4½		2	2	1	5	3	2½	3	2½			
20 S	Siltstone	226	0	226	3		3			3	224	5	232	6	8	1	5	10	5	10	6	145	224	5	226	5	2	0		3	3		1	9	1	9		
	Siltstone	226	5	227	3					10	10									7	146	227	3	228	6½	1	3½		1½	1½		1	2	1	2			
	Shale	227	10	227	11½		1½			1½										8	147	228	8	230	4	1	8		1	1		1	7	1	7			
	Siltstone	228	6½	228	8					1½																												
	Shale	229	11	230	0		1			1																												
	Shale	230	4	231	2					10	10																											
							5½			21½		27																4	11½		5½	5½	1	4	4	6	4	6
21 S	Splint	95	5	95	9					4	4	95	2	100	1½	4	11½	4	6	4	6	1	3220	95	9	98	0	2	3					2	3	2	3	
	Shale	99	5	99	6		1			1										2	3221	98	0	100	1½	2	1½		1½	1½			2	0	2	0		
	Shale	99	10	99	10½		½			½																												
							1½			4		5½																4	4½		1½	1½	3	4	3	4	3	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM Q.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Incl. Bands					
		FROM						TO		THICKNESS																										
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.										Ft.	Ins.	Ft.	Ins.
		PARNELL'S CRUTE AREA																																		
23 S	Shale	202	8½	202	10½		2		2	202	0	206	9½	4	9½	3	5	3	5	4	119	202	0	203	½	1	½			2	2			10½	0	10½
	Shale	203	½	204	1			12	12										5	120	204	1	205	1	1	0					1	0	1	0		
		205	1	205	3½			2½	2½										6	121	205	3½	206	9½	1	6					1	6	1	6		
							2	14½	16½																	3	6½		2	2		½	3	4½	3	4½
66 T	Claystone	111	7	112	0			5	5	110	5	113	4	2	11	2	6	2	6	6	690	110	5	111	7	1	2					1	2	1	2	
																			7	691	112	0	113	4	1	4					1	4	1	4		
								5	5																2	6					2	6	2	6		
67 T	Shale	96	6	96	7		1		1	96	3	99	4	3	1	2	7	2	7½	8	683	96	3	97	11½	1	8½	½	1	1½		1	7	1	7½	
	Shale	97	0	97	½	½			½										9	684	98	2½	99	4	1	1½		1½	1½		1	0	1	0		
	Siltstone	97	11½	98	2½			3	3																											
	Claystone	98	9½	98	11		1½		1½																											
							½	2½	3	6																2	10	½	2½	3		2	7	2	7½	
69 T	Claystone	99	10	100	5			7	7	98	½	103	7½	5	7	4	5	4	5	6	704	98	½	99	10	1	9½					1	9½	1	9½	
	Claystone	100	6	100	7½		1½		1½										7	705	100	5	101	11½	1	6½			3	3		1	3½	1	3½	
	Claystone	101	3	101	4½		1½		1½										8	706	102	2½	103	7½	1	5			1	1		1	4	1	4	
	Siltstone	101	11½	102	2½			3	3																											
	Siltstone	103	2½	103	3½		1		1																											
							4	10	14																		4	9		4	4		4	5	4	5

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM Q.

1	2	3		4		5	6	7	8	9	10		11		12		13		14	15	16		17		18		19	20	21	22	23	24			
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS		TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS		SAMPLE No.	ANALY SIS No.	COAL SAMPLES													
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS													SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Incl. Bands
		FROM		TO						THICKNESS		FROM		TO		THICK- NESS																			
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.
PARNELL'S CREEK AREA																																			
70 T	Siltstone	79	9	79	11		2		2	70	4	87	5½	8	1½	4	10	4	10	5	711	79	4	81	2½	1	10½		2	2		1	8½	1	8½
	Siltstone	81	2½	82	1			10½	10½											6	712	82	1	83	7	1	6		2	2		1	4	1	4
	Siltstone	82	8	82	8½		½		½										7	713	84	11	85	10		11					11		11		
	Claystone	83	3½	83	5		1½		1½																										
	Greywacke	83	7	84	11			16	16																										
	Siltstone	85	10	85	11½			1½	1½																										
	Siltstone	86	3½	86	11		7½		7½																										
						11½	23	39½												5	9½		11½	11½	10½	3	11½	3	11½						
71 T	Siltstone	54	6½	54	8½		2		2	54	3	60	½	5	9½	4	6¾	4	7¾	1	715	54	3	56	5	2	2		7	7		1	7	1	7
	Siltstone	55	½	55	2		1½		1½										2	716	56	9½	58	3½	1	6		¾	¾		1	5½	1	5½	
	Siltstone	55	10	56	1½		3½		3½										3	717	58	5½	60	½	1	7	½		½		1	6½	1	7	
	Siltstone	56	5	56	9½			4½	4½																										
	Claystone	57	8½	57	9		¾		¾																										
	Siltstone	58	3½	58	5½			2	2																										
						7¾	6½	14½												5	3		½	7¾	8½				4	6¾	4	7½			
72 T	Siltstone	126	9½	126	10		¾		¾	126	7	131	11½	5	4½	4	1¾	4	1¾	5	722	126	7	129	11	3	4		9¾	9¾		2	6½	2	6½
	Siltstone	128	½	128	7½		7		7										6	723	130	3	131	11½	1	8½		1	1		1	7½	1	7½	
	Claystone	129	3½	129	5½		2		2																										
	Siltstone	129	11	130	3			4	4																										
	Siltstone	130	10	130	11		1		1																										
						10¾	4	14¾												5	½		10¾	10¾				4	1¾	4	1¾				

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM Q. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analys- ed Coal with Inc Bands			
																		FROM	TO	THICKNESS														
		FROM		TO		FROM		TO		THICKNESS		FROM						TO		THICK- NESS														
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
FARRELL'S CREEK AREA																																		
& 3 S	Clayshale	105	11	106	11		12	12	103	7½	109	5	5	9½	4	6½	4	6½	3	2918	103	7½	104	7½	1	0					1	0	1	0
	Clayshale	107	8	107	10	2		2							4	2919	104	7½	105	11	1	3½								1	3½	1	3½	
	Clayshale	108	3	108	4		1	1							5	2920	106	11	108	3	1	4		2	2					1	2	1	2	
															6	2921	108	4	109	5	1	1								1	1	1	1	
						2	13	15										4	8½		2	2							4	6½	4	6½		
7 S	Shale	174	8	174	10		2	2	174	4	179	5	5	1	4	6½	4	6½	3	3255	174	10	176	1	1	3					1	3	1	3
	Shale	176	1	176	1½		½	½								4	3256	176	1½	177	3	1	1½		2	2					11½		11½	
	Shale	177	3	177	4		1	1								5	3257	177	8	179	5	1	9								1	9	1	9
	Shale	177	5	177	8		3	3																										
						6½	6½																	4	1½		2	2		7	3	11½	3	11½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN FARRELL'S CREEK SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24							
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES												
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Inc- luded Bands
		FROM						TO		THICK- NESS																				
		Ft.	Ins.					Ft.	Ins.																					
											Ft.	Ins.	Ft.					Ins.	Ft.	Ins.	Ft.	Ins.	Ft.				Ins.	Ft.		
PARNELL'S CREEK AREA																														
6 S	Shale	63	11 $\frac{1}{4}$	63	11 $\frac{3}{4}$	$\frac{1}{2}$		52	8	68	7	15	11	15	9 $\frac{1}{2}$	15	10							3	2	3	2			
	Shale	66	5 $\frac{7}{8}$	66	6 $\frac{1}{4}$		1	1							3	1985	55	10	59	6	3	8			3	8	3	8		
															4	1986	59	6	61	9	2	3	$\frac{1}{2}$	$\frac{1}{2}$	2	2 $\frac{1}{2}$	2	3		
															5	1987	61	9	64	4	2	7			2	7	2	7		
															6	1988	64	4	66	5 $\frac{1}{4}$	2	1 $\frac{1}{4}$			2	1 $\frac{1}{4}$	2	1 $\frac{1}{4}$		
															7	1989	66	6 $\frac{1}{4}$	68	6 $\frac{3}{4}$	2	0 $\frac{3}{4}$			2	0 $\frac{3}{4}$	2	0 $\frac{3}{4}$		
							$\frac{1}{2}$			1		1 $\frac{1}{2}$						15	10		$\frac{1}{2}$		$\frac{1}{2}$	15	9 $\frac{1}{2}$	15	10			
14 S								80	9	88	4	7	7	7	7	7	7	1	2740	80	9	81	8		11		11	11		
															2	2741	81	8	84	1	2	5			2	5	2	5		
															3	2742	84	1	86	0	1	11			1	11	1	11		
															4	2743	86	0	88	4	2	4			2	4	2	4		
																					7	7			7	7	7	7		
17 S								89	6	92	3	2	9	2	9	2	9	1	2671	89	6	92	3	2	9		2	9	2	9
20 S								156	7	165	8	9	1	9	1	9	1	1	140	156	7	158	0	1	5		1	5	1	5
															2	141	158	0	160	6	2	6			2	6	2	6	2	6
															3	142	160	6	163	0	2	6			2	6	2	6	2	6
															4	143	169	0	164	6	1	6			1	6	1	6	1	6
															5	144	164	6	165	8	1	2			1	2	1	2	1	2
																					9	1			9	1	9	1	9	1

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN FARRELL'S CREEK SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24															
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																				
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Inc- luded Bands								
		FROM						TO			THICK- NESS																											
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
		PARNELL'S CREEK AREA																																				
23 S								147	11	157	3	9	4	9	4	9	4	1	116	147	11	151	0	3	1			3	1	3	1							
																		2	117	151	0	154	1	3	1			3	1	3	1							
																		3	118	154	1	157	3	3	2			3	2	3	2							
																								9	4			9	4	9	4							
24 T	Siltstone	100	10½	100	11		½	98	7½	108	½	9	5	9	1½	9	1½	1	2382	98	7½	100	10½	2	3			2	3	2	3							
	Siltstone	104	6	104	9		3											2	2383	100	11	102	8	1	9			1	9	1	9							
																		3	2384	102	8	104	6	1	10			1	10	1	10							
																		4	2385	104	9	106	3	1	6			1	6	1	6							
																		5	2386	106	3	108	½	1	9½			1	9½	1	9½							
							3½	3½																9	1½			9	1½	9	1½							
36 T	Shale	144	0	144	1		1	143	6	159	3	15	9	15	6	15	6	2	3408	143	6	145	8	2	2		1	1	2	1	2	1						
	Shale	157	0	157	2		2											3	3409	145	8	147	10	2	2			2	2	2	2							
																		4	3410	147	10	150	0	2	2			2	2	2	2							
																		5	3411	150	0	152	1	2	1			2	1	2	1							
																		6	3412	152	1	154	3	2	2			2	2	2	2							
																		7	3413	154	3	156	9	2	6		2	2	2	4	2	4						
																		8	3414	156	9	159	3	2	6			2	6	2	6							
							3	3															15	9		3	3	15	6	15	6							
38 T								89	7	103	1	13	6	13	6	13	6	1	3348	89		92	5	2	10			2	10	2	10							
																		2	3349	92	5	95	4	2	11			2	11	2	11							
																		3	3350	95	4	98	1	2	9			2	9	2	9							
																		4	3351	98	1	100	10	2	9			2	9	2	9							
																		5	3352	100	10	103	1	2	3			2	3	2	3							
																							13	6				13	6	13	6							

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN FARRELL'S CREEK SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands	Thickness of Coal with Inc Bands																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		FROM						TO		THICK- NESS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		PARNELL'S CREEK AREA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
40 T								96	9	106	6	9	9	9	9	9	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN FARRELL'S CREEK SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES													
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Inc. Bands		
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS													
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.
PARNELL'S CREEK AREA																																	
63 T	Siltstone	159	4	159	5			1	1	156	0	164	2	8	2	8	1	8	1	3	198	156	0	159	4	3	4			3	4	3	4
																			4	199	159	5	162	6½	3	1½			3	1½	3	1½	
																			5	200	162	6½	164	2	1	7½			1	7½	1	7½	
								1	1																8	1			8	1	8	1	
64 T								110	11	121	11	11	0	11	0	11	0		1	201	110	11	113	8	2	9			2	9	2	9	
																			2	202	113	8	116	5	2	9			2	9	2	9	
																			3	203	116	5	119	2	2	9			2	9	2	9	
																			4	204	119	2	121	11	2	9			2	9	2	9	
																								11	0			11	0	11	0		
65 T	Shale	56	3½	56	5	1½	1½	56	½	61	9½	5	9	4	5½	4	5½		1	205	56	½	58	2	2	1½		5½	5½	1	8	1	8
	Shale	57	5	57	9	4	4												2	206	59	0	61	9½	2	9½			2	9½	2	9½	
	Shale	58	2	59	0		10	10																									
						5½	10	15½																	4	11		5½	5½	4	5½	4	5½
66 T								56	10	70	0	13	2	13	2	13	2		1	685	56	10	60	5	3	7			3	7	3	7	
																			2	686	60	9	63	2	2	5			2	5	2	5	
																			3	687	63	2	65	6	2	4			2	4	2	4	
																			4	688	65	6	67	9	2	3			2	3	2	3	
																			5	689	67	9	70	0	2	3			2	3	2	3	
																								12	10			4	12	10	12	10	

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN FARRELL'S CREEK SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
B.M.B. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES										
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands
		FROM																TO		THICKNESS		FROM						
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	
PARNELL'S CREEK AREA																												
67 T	Shale	46	5	46	6			1	1	38	10	53	0	14	2	14	1	14	1									
														1	676	39	2	40	11	1	9				1 9 1 9			
														2	677	40	11	42	8	1	9				1 9 1 9			
														3	678	42	8	45	2	2	6				2 6 2 6			
														4	679	45	2	46	5	1	3				1 3 1 3			
														5	680	46	6	48	6	2	0				2 0 2 0			
														6	681	48	6	50	2	1	8				1 8 1 8			
														7	682	50	2	53	0	2	10				2 10 2 10			
								1	1																4 13 9 13 9			
68 T	Sandstone	26	10	26	11½										1	695	24	4	26	10	2	6				2 6 2 6		
	Siltstone	28	2	28	4½			1½	1½	24	4	33	7	9	3	8	10	8	10	2	696	26	11½	28	2	1	2½	1 2½ 1 2½
	Siltstone	31	6½	31	7½			2½	2½						3	697	28	4½	31	6½	3	2				3 2 3 2		
								1	1						4	698	31	7½	33	7	1	11½				1 11½ 1 11½		
								5	5																	8 10 8 10		
69 T								39	9	52	0	12	3	12	3	12	3			1	699	39	9	42	3	2	6	2 6 2 6
															2	700	42	3	45	0	2	9				2 9 2 9		
															3	701	45	0	48	4	3	4				3 4 3 4		
															4	702	48	4	50	2	1	10				1 10 1 10		
															5	703	50	2	52	0	1	10				1 10 1 10		
																										12 3 12 3		
70 T	Siltstone	26	0	26	2½	2½		2½	21	0	28	4	7	4	7	1½	7	4		1	707	21	0	24	6	3	6	3 6 3 6
															2	708	24	6	28	4	3	10	2½		2½		3 7½ 3 10	
																										7 1½ 7 4		

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN FARRELL'S CREEK SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24										
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS			TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS								SAMPLE INTERVAL			INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thicknes of Analy- ed Coal with Inc Bands								
		FROM	TO					THICKNESS	FROM	TO					THICK- NESS	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						
PARNELL'S CREEK AREA																																	
72 T	Siltstone	83	0	83	1½	1½		1½	71	8	85	0	13	4	13	2½	13	4							3	4	3	4					
														2		719	75	0	78	0	3	0				3	0	3	0				
														3		720	78	0	81	0	3	0				3	0	3	0				
														4		721	81	0	85	0	4	0	1½		1½		3	10½	4	0			
																13		4	1½	1½		13	2½	13	4								
					1½						1½																						
73 T														1	847	104	9	108	0	3	3						3	3	3	3			
														2	848	108	0	111	3	3	3						3	3	3	3			
														3	849	111	3	114	6	3	3						3	3	3	3			
																			9		9				9		9		9				
74 T														1	883	97	0	100	2	3	2						3	2	3	2			
														2	884	100	2	103	2	3	0						3	0	3	0			
														3	885	103	2	106	2	3	0						3	0	3	0			
														4	886	106	2	109	2	3	0						3	0	3	0			
																12		2				12		2		12		2					
FARRELL'S CREEK AREA																																	
1 & 6 S	Shale Splint	100	11½	101	2	2½		2½	100	7½	112	4	11	8½	8	9	8	9							2½	2½	1	11	1	11			
		102	9	105	4½	31½	31½							2		3044	105	4½	108	3	2	10½				2	10½	2	10½				
		111	1½	111	3	1½	1½							3		3045	108	3	111	1½	2	10½				2	10½	2	10½				
														4		3046	111	3	112	4	1	1				1	1	1	1				
																8		11½				2½		2½		8		9		8		9	

FARRELL'S CK. S E A M

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALY- SIS No.	COAL SAMPLES																
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analys- ed Coal with Incl Bands					
		FROM						TO		THICKNESS		FROM						TO		THICK- NESS														
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.	Ft.	Ins.	Ft.
FARRELL'S CREEK AREA																																		
2 & 3 S								39	0	45	10	6	10	6	10	6	10	1	2916	39	0	42	4	3	4					3	4	3	4	
																		2	2917	42	4	45	8	3	4					3	4	3	4	
																					6	8							2	6	8	6	8	
7 S								107	0	113	7	6	7	6	7	6	7	1	3253	107	0	110	4	3	4					3	4	3	4	
																		2	3254	110	4	113	7	3	3					3	4	3	3	
																					6	7							6	8	6	7		
POND'S CREEK AREA																																		
2 (S) R		Shale	396	11	397	0			1	1	395	10	405	6	9	8	8	8	8	6	927	397	0	399	4	2	4			2	4	2	4	
		Siltstone	399	4	400	3			11	11										7	928	400	3	402	0	1	9			1	9	1	9	
		Andesite	402	0	404	6			30	30																								
								12	12																									
4 S		Shale	120	11½	121	½			1	1	119	2	126	8	7	6	7	1½	7	3	1	887	119	2	120	11½	1	½			1	9½	1	9½
		Siltstone	123	2½	123	4½			2	2											2	888	121	½	123	2½	2	2			2	2	2	2
		Shale	125	9	125	10½	½			1½										3	889	123	4½	126	8	3	3½	1½		1½	3	2	3	3½
								½		3																								

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN

LOWER R. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24															
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																		
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL																		
		FROM								TO				THICKNESS						FROM				TO				THICK- NESS		INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Inc Bands	
																				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				Ft.	Ins.	Ft.	Ins.		

PART ELL'S CREEK AREA																																			
70 T	Claystone	69	3½	69	6		2½		2½	68	7	70	0	1	5	1	2½	1	2½	4	710	68	7	70	0	1	5		2½	2½		1	2½	1	2½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER R. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
B.M.E. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL										INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Inc Bands		
		FROM																TO		THICKNESS		FROM		TO		THICK- NESS									
		Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				
		PARNELL'S CREEK AREA																																	
70 T	Siltstone	59	10 ¹ / ₂	60	0		1 ¹ / ₂		1 ¹ / ₂	59	6	61	4 ¹ / ₂	1	10 ¹ / ₂	1	9	1	9	3	709	59	6	61	4 ¹ / ₂	1	10 ¹ / ₂		1 ¹ / ₂	1 ¹ / ₂		1	9	1	9

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM W. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS				TOTAL GEOLOGI- CAL COAL WITHOUT BANDS		TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS		SAMPLE No.	ANALYSIS No.	COAL SAMPLES													
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL						INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis		Thickness of Analysed Coal With- out Bands		Thickness of Analysed Coal with Inc Bands
		FROM						TO		THICKNESS		FROM		TO				THICK- NESS													
		Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.		
		PARNELL'S CREEK AREA																													
40 T								34	11½	37	6	2	6½	2	6½	2	6½	1	3356	34	11½	37	6	2	6½		2	6½	2	6½	
60 T	Shale	91	8	91	9	1	1	90	9	92	10	2	1	2	0	2	0	4	430	90	9	92	10	2	1	1	1	2	0	2	0
63 T								82	8½	85	3	2	6½	2	6½	2	6½	2	197	82	8½	85	3	2	6½		2	6½	2	6½	
POND'S CREEK AREA																															
2 (S) R								322	3	327	6	5	3	5	3	5	3	5	926	322	6	327	6	5	0		3	5	0	5	0

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM X.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																												
B.M.B. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																															
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analysed Coal with Incl Bands														
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS																															
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.																				
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.							Ft.	Ins.												
FARNELL'S CREEK AREA																																																			
36 T	Shale	42	11	43	0	1	1	41	10	44	0	2	2	2	1	2	1	1	3407	41	10	44	0	2	2	1	1	2	1	2	1																				
60 T	Shale	39	3	41	3	24	24	37	9	44	7	6	10	4	10	4	10	1	477	37	9	39	3	1	6					1	6	1	6																		
																																		2	478	41	3	42	11	1	8										
24		24										4		10						4		10		4		10																									
63 T	Shale	33	4	33	6	2	2	36	8	40	0	3	4	3	2	3	2	1	196	36	8	40	0	3	4	2	2	3	2	3	2																				

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN LOWER Y. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24														
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS				BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES																	
						INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL												INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analy- ed Coal with Inc Bands
		FROM		TO						THICKNESS		FROM		TO						THICK- NESS																	
		Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.						
		JERRY'S PLAINS AREA																																			
1 S	Shale	234	1	234	5	4		4	233	6	237	4	3	10	3	6	3	6	5	508	233	6	235	10	2	4		4	4		2	0	2	0			
																			6	509	235	10	237	4	1	6				1	6	1	6				
						4		4																	3	6		4	4		3	6	3	6			

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN UPPER Y. SEAM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES													
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS											SAMPLE INTERVAL										INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis
		FROM						TO		THICKNESS																					
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.					Ft.	Ins.	Ft.	Ins.										
																						Ft.	Ins.	Ft.	Ins.	Ft.	Ins.				
JERRY'S PLAINS AREA																															
1 S	Shale	225	9	225	10½	1½	1½	225	5	227	5	2	0	1	10½	1	10½	3	506	225	5	227	5	2	0	1½	1½	1	10½	1	10½

TABLE I THICKNESSES OF ROCK BANDS AND COAL SAMPLES IN SEAM Z.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24									
B.M.R. BORE No.	BRIEF GEOLOGICAL DESCRIPTION OF ROCK BANDS	LOCATION OF ROCK BANDS		BAND THICKNESSES IN INCHES				LOCATION OF GEOLOGICAL COAL SEAMS						TOTAL GEOLOGI- CAL COAL WITHOUT BANDS	TOTAL GEOLOGI- CAL COAL WITH INCLUDED BANDS	SAMPLE No.	ANALYSIS No.	COAL SAMPLES														
				INCLUDED	EXCLUDED	INTER- VENING	TOTALS	SAMPLE INTERVAL										INCLUDED BANDS IN INCHES	EXCLUDED BANDS IN INCHES	TOTAL BANDS	Coal Not Included in Analysis	Thickness of Analysed Coal With- out Bands	Thickness of Analy- ed Coal with Inc- Bands									
		FROM						TO		THICKNESS		FROM												TO		THICK- NESS						
		Ft.	Ins.					Ft.	Ins.	Ft.	Ins.	Ft.	Ins.											Ft.	Ins.	Ft.	Ins.	Ft.	Ins.			
JERRY'S PLAINS AREA																																
1 S	Shale	108	5	108	5½		½	½	106	5	110	0	3	7	3	6½	3	6½	1	504	106	5	103	5	2	0			2	0	2	0
															2	505	108	5½	110	0	1	6½					1	6½	1	6½		
																						3	6½					3	6½	3	6½	