

1	2	3	4	5	6	7	8	9	10	11
44.05	47.05	3.00	3.00	100.00	2.64	2.64	46.69	-do-		
					0.36	0.36	47.05	Sst. Mgd.		
47.05	49.75	2.70	2.62	97.04	2.62	2.70	49.75	Sst. & Sh. Intercalated.		
49.75	52.75	3.00	2.93	97.67	0.10	0.10	49.85	Sst. Mgd.		
					0.12	0.12	49.97	C O A L.		
					0.41	0.42	50.39	Sh. with C. Streaks.		
					0.64	0.66	51.05	Sst. Argill.		
					1.66	1.70	52.75	Sst. Cgd.		
52.75	55.40	2.65	2.63	99.25	2.63	2.65	5.40	Grit.		
5.40	53.45	3.05	3.05	100.00	3.05	3.05	53.45	-do-		
58.45	61.15	2.70	2.70	100.00	2.70	2.70	61.15	-do-		
61.15	63.45	2.30	2.30	100.00	1.92	1.92	63.07	-do-		
					0.38	0.38	63.45	Csh.		
63.45	63.90	0.45	0.45	100.00	0.33	0.33	63.78	Sh, aren.		
					0.12	0.12	63.90	Sh.		

Fr.
Fr.

1	2	3	4	5	6	7	8	9	10	11
66.95	69.25	2.30	2.25	97.83	2.10	2.20	66.95	Sst. & Sh. Intercalated.		
					0.66	0.70	66.95	Sh.		
					0.20	0.21	67.16	C O A L.		
					2.05	2.09	69.25	Sst. Argill.		
69.25	72.30	3.05	3.05	100.00	0.46	0.46	69.71	-do-		
					0.27	0.27	69.99	Sh. with C. Streaks.		
					0.85	0.85	70.03	Sh. with aren Bands.		
					1.47	1.47	72.30	Sst. Cgd.		
72.30	75.35	3.05	3.02	99.02	0.67	0.67	72.97	-do-		
					0.26	0.26	73.23	Sst. Argill.		
					0.21	0.21	73.44	Sst. Mgd.		
					1.83	1.91	75.35	Sst. Argill.		
75.35	78.15	2.30	2.74	97.86	2.74	2.80	78.15	-do-		
78.15	80.25	2.10	2.07	98.57	0.82	0.83	78.98	Sst. & Sh. Intercalated.		
					1.25	1.27	80.25	Sst. Cgd.		
80.25	83.30	3.05	3.01	98.69	2.90	2.93	83.18	Sst. Cgd. to Grit.		
					0.11	0.12	83.30	Sst. & Sh. Intercalated.		
83.30	86.35	3.05	3.05	100.00	2.60	2.60	85.90	Sst. & Sh. Intercalated.		
					0.35	0.35	86.25	Sh.		
					0.10	0.10	86.35	Sh. with C. Streaks.		

1	2	3	4	5	6	7	8	9	10	11
86.35	89.35	3.00	2.32	94.00	0.50	0.52	86.87	C O A L.	XVIII D	
					1.95	2.09	88.95	Bst. & Sh. Intercalated.		
					0.37	0.39	89.35	Sh.		
89.35	91.70	2.35	2.35	100.00	2.35	2.35	91.70	Bst. & Sh. Intercalated.		
91.70	94.70	3.00	2.95	98.33	0.97	0.99	92.69	-do-		
					0.34	0.36	93.55	Bst. Mgd.		
					0.77	0.78	94.33	Bst. & Sh. Intercalated.		
					0.37	0.37	94.70	Bst. Cgd.		
94.70	97.70	3.00	3.00	100.00	0.46	0.46	95.16	-do-		
					1.20	1.20	96.36	Bst. & Sh. Intercalated.		
					0.30	0.30	96.66	Bst. Cgd.		
					0.32	0.32	96.96	Bst. & Sh. Intercalated.		
					0.72	0.72	97.70	Bst. Cgd.		
97.70	100.70	3.00	3.00	100.00	1.33	1.33	99.03	-do-		
					0.54	0.54	99.57	Sh. with aren Bands.		
					1.13	1.13	100.70	Bst. Cgd.		
100.70	102.55	1.35	1.35	100.00	1.35	1.35	102.55	-do-		
102.55	105.55	3.00	2.35	95.00	2.35	3.00	105.55	Bst. Cgd. with Sh. laminae.		
105.55	106.55	1.00	1.00	100.00	0.08	0.08	105.63	-do-		

1	2	3	4	5	6	7	8	9	10	11
106.55	109.00	2.45	2.40	97.96	0.75	0.76	106.39	Sst. & Sh. Intercalated.		
109.00	112.10	3.10	3.00	96.77	0.16	0.16	106.55	Sh.		
					2.40	2.45	109.00	-do-		
					1.60	1.65	110.65	Gsh.		
					1.40	1.45	112.10	C O A L.		
112.10	115.10	3.00	2.73	92.67	0.04	0.90	113.00	C O A L.		
					0.12	0.13	113.13	S.C.		
					0.45	0.49	113.62	C O A L.		
					0.12	0.13	113.75	Sh. (Sideritic).		
					0.05	0.05	113.80	C O A L.		
					1.20	1.30	115.10	Sst. & Sh. Intercalated.		
115.10	118.15	3.05	3.00	98.36	3.00	3.05	118.15	-do-		
118.15	120.35	2.20	2.11	98.64	0.53	0.54	118.69	-do-		
					0.89	0.90	119.59	Sst. Cgd.		
					0.16	0.16	120.35	Sh.		
120.35	123.35	3.00	2.82	94.00	0.32	0.34	120.69	-do-		
					1.04	1.09	121.78	C O A L.		
					0.08	0.09	121.87	S.C.		
					0.08	0.09	121.96	C O A L.		
					0.13	0.19	122.15	Gsh. with C. Bands.		

XVIII C

Fr.

Fr., Sl.

XVIII B

BOREHOLE NO. : MD - 35.

II/593

1	2	3	4	5	6	7	8	9	10	11
123.35	124.15	0.30	0.30	100.00	0.30	0.30	124.15	Sst. & Sh. Intercalated.	XVIII B	Vfr.
124.15	127.15	3.00	3.00	100.00	0.24	0.24	124.39	-do-		
					1.92	1.92	126.31	Sst. Cgd.		
					0.84	0.84	127.15	Sst. & Sh. Intercalated.		
127.15	128.65	1.50	1.50	100.00	0.90	0.90	128.05	-do-		
					0.60	0.60	128.65	Sh.		
128.65	129.65	1.00	1.00	100.00	0.90	0.90	129.55	CSH.		Vfr.
					0.10	0.10	129.65	Sh.		
129.65	132.65	3.00	2.32	77.33	0.20	0.26	129.91	-do-		
					0.20	0.27	130.18	C O A L.		
					0.53	0.69	130.87	Sh.		
					0.38	0.47	131.34	Sh. with C. Outbreaks.		
					0.21	0.27	131.61	S.C.		XVIII A
					0.49	0.63	132.24	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
132.65	135.70	3.05	3.01	98.69	0.26	0.35	132.65	S t. Sh. Intercalated.		Fr.
135.70	138.75	3.05	3.05	100.00	0.39	0.39	136.59	-do-		
					0.47	0.47	137.06	Sh.		
138.75	141.65	2.90	2.64	91.03	1.69	1.69	138.75	Sst. & Sh. Intercalated.		
141.65	144.15	2.50	2.49	99.60	2.64	2.90	141.65	-do-		
					0.06	0.06	141.71	C O A L.		
					1.13	1.19	142.90	Sst. & Sh. Intercalated.		
					0.76	0.76	143.66	Sst. Cgd.		
					0.49	0.49	144.15	Sh. with aren Bands.		
144.15	147.15	3.00	2.96	98.67	0.95	0.96	145.11	-do-		
					0.18	0.13	145.29	C O A L.		
					0.24	0.24	145.53	B.C.		
					0.50	0.51	146.04	C O A L.		
					0.11	0.11	146.15	B.C.		
					0.98	1.00	147.15	Sst. Cgd.		
147.15	149.65	2.50	2.48	99.20	0.90	0.92	148.07	-do-		
					0.37	0.37	148.44	Sst. & Sh. Intercalated.		

Local

1	2	3	4	5	6	7	8	9	10	11
149.70	150.15	0.50	0.50	100.00	0.15	0.15	149.70	Sh. with C. streaks.		
150.15	153.20	3.05	3.02	99.02	0.50	0.50	150.15	Sst. argill.		
					1.49	1.50	151.65	-do-		
153.20	156.20	3.00	2.98	99.33	1.53	1.55	153.20	Sst. & Sh. Intercalated.		
					0.76	0.76	153.97	-do-		
					0.96	0.97	154.94	Sst. Cgd.		
					0.32	0.32	155.26	Sst. & Sh. Intercalated.		
					0.62	0.62	155.83	Sst. Cgd.		
					0.32	0.32	156.20	Sst. & Sh. Intercalated.		
156.20	159.20	3.00	3.00	100.00	0.16	0.16	156.36	-do-		
					0.23	0.23	156.59	Sst. Mgd.		
					0.05	0.05	156.64	Sh. (Baked).		
					0.08	0.08	156.72	M. P.		
					0.23	0.23	156.95	Sh. aren.		
					1.18	1.18	158.13	Sst. & Sh. Intercalated.		
							159.20	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
159.20	162.20	3.00	2.10	70.00	2.10	3.00	162.20	Sst. Cgd.		Fr., Br.
162.20	163.20	1.00	0.63	63.00	0.63	1.00	163.20	-do-		Fr., Br.
163.20	165.20	2.00	1.15	57.50	1.15	2.00	165.20	-do-		Fr., Br.
165.20	168.20	3.00	2.90	96.67	2.90	3.00	168.20	-do-		Fr., Br.
168.20	170.20	2.00	1.26	63.00	0.60	0.95	169.15	Sst. & Sh. Intercalated.		Fr., Br.
					0.30	0.43	169.63	Sh.		Br.
					0.36	0.57	170.20	Sst. Mgd. with Sh. Bands.		
170.20	171.00	0.80	0.46	57.50	0.06	0.10	170.30	-do-		Fr., Sl.
					0.40	0.70	171.00	Csh.		
171.00	171.40	0.40	0.40	100.00	0.40	0.40	171.40	-do-		
171.40	173.90	2.50	2.45	98.00	2.45	2.50	173.90	Sst. & Sh. Intercalated.		
173.90	175.40	1.50	1.09	72.67	1.09	1.50	175.40	Sh, aren.		
175.40	176.00	0.60	0.55	91.67	0.40	0.44	175.84	Sst. & Sh. Intercalated.		
					0.15	0.16	176.00	Sst. Mgd.		
176.00	176.20	0.20	0.20	100.00	0.20	0.20	176.20	-do-		
176.20	179.20	3.00	2.45	81.67	0.81	0.99	177.19	Sst. Mgd. with Sh. Bands.		
					0.64	0.78	177.97	Sst. & Sh. Intercalated.		
					0.20	0.24	178.21	Csh. (Balced).		
					0.20	0.24	178.45	M. P.		
					0.36	0.44	178.89	Sh, aren.		

1	2	3	4	5	6	7	8	9	10	11
179.20	181.20	2.00	2.00	100.00	0.24	0.31	179.20			Sst. Cgd.
181.20	182.20	1.00	0.95	95.00	0.22	0.23	181.43			-do-
					0.10	0.10	181.53			M. P.
					0.63	0.67	182.20			Sh, aren.
182.20	185.20	3.00	3.00	100.00	0.60	0.60	182.80			Sst. & Sh. Intercalated.
					0.30	0.30	183.10			Sst. Mgd.
					0.14	0.14	183.24			M. P.
					1.10	1.10	184.34			Sst. & Sh. Intercalated.
					0.14	0.14	184.48			Sh.
					0.72	0.72	185.20			Sst. & Sh. Intercalated.
185.20	186.20	1.00	1.00	100.00	0.75	0.75	185.95			-do-
					0.20	0.20	186.15			Sh.
					0.05	0.05	186.20			Sst. Mgd.
186.20	187.30	1.60	1.60	100.00	0.19	0.19	186.39			Sst. & Sh. Intercalated.
					0.61	0.61	187.00			Sh.
					0.80	0.80	187.80			Sst. & Sh. Intercalated.
187.80	188.20	0.40	0.40	100.00	0.40	0.40	188.20			-do-
188.20	188.80	0.60	0.40	66.67	0.07	0.03	188.23			-do-

Br.

Br.

Fr., Br.,
Fr., Br.,

Fr., Br.,

1	2	3	4	5	6	7	8	9	10	11
188.80	190.80	2.00	2.00	100.00	0.33	0.52	188.80	Sst. Mgd.		
					0.30	0.30	189.10	Sst. & Sh. Intercalated.		
					0.55	0.55	189.65	Sst. Mgd.		
					0.40	0.40	190.05	Jhama.		
					0.43	0.43	190.48	M. P.		
					0.16	0.16	190.64	Jhama.		
					0.16	0.16	190.30	Csh. (Baked).		
190.80	191.80	1.00	0.84	84.00	0.66	0.79	191.59	Jhama.		
					0.18	0.21	191.80	M. P.		
191.80	194.60	2.80	1.83	65.36	0.54	0.83	192.63	-do-		
					0.36	0.55	193.18	Jhama.		
194.60	196.25	1.65	0.05	3.03	0.93	1.42	194.60	M. P.		
					0.05	1.65	196.25	Sh, aren.		
196.25	197.75	1.50	1.50	100.00	0.31	0.31	196.56	Sst. Cgd.		
					0.05	0.05	196.61	Sh.		
					1.14	1.14	197.75	Sst. Mgd.		
197.75	198.75	1.00	1.00	100.00	0.10	0.10	197.85	-do-		
					0.18	0.18	198.03	Sst. & Sh. Intercalated.		

XVII A

Fr., Br.

Fr., Br.

Fr., Br.

Fr., Br.

1	2	3	4	5	6	7	8	9	10	11
193.75	199.00	0.25	0.25	100.00	0.25	0.25	199.00	-do-	Fr.	
199.00	200.75	1.75	0.51	29.14	0.14	0.40	199.00	-do-	Fr., Sl.	
200.75	203.00	3.05	1.56	51.15	0.37	1.27	200.75	Sst. & Sh. Intercalated.		
					0.11	0.22	200.97	Sh, aren.		
					0.45	2.33	203.30	Sst. Mg. d. with Sh. Bands.		
203.30	206.30	3.00	2.11	70.00	0.11	3.00	206.30	Sst. Cgd.		Fr.
206.30	209.30	3.00	2.95	98.33	2.10	3.00	209.30	-do-		Fr.
209.30	212.30	3.00	2.30	36.00	2.95	1.53	211.33	-do-		Fr.
					1.47	0.94	212.27	Sst. Mg. d.		
					0.90	0.53	212.30	Sst. & Sh. Intercalated.		Fr., Sl.
212.30	215.30	3.00	2.94	98.00	0.51	0.49	213.29	Sst. & Sh. Intercalated.		
					0.40	0.92	214.21	Sst. Cgd.		
					0.91	0.32	214.53	Sst. & Sh. Intercalated.		
					0.31	0.41	214.94	Sst. Mg. d.		
					0.41	0.06	215.30	Sst. & Sh. Intercalated.		
					0.34	0.29	216.09	-do-		
215.30	217.30	2.00	1.37	93.50	0.27	0.43	216.52	Sh.		
					0.40	1.28	217.30	Sst. & Sh. Intercalated.		
					1.20					

1	2	3	4	5	6	7	8	9	10	11
217.00	218.00	1.00	1.00	100.00	0.52	0.52	218.32	Sst. & Sh. Intercalated.		
					0.48	0.48	218.80	Sh.		
218.00	221.30	2.50	2.50	100.00	0.51	0.51	219.31	Sst. & Sh. Intercalated.		
					0.14	0.14	219.45	Sh.		
					0.14	0.14	219.59	Csh.		
					0.20	0.20	219.79	C O A L.		
					0.11	0.11	219.90	S.C.		
					0.33	0.33	220.23	C O A L.		
					0.07	0.07	220.30	S.C.		
					1.00	1.00	221.30	C O A L.		
221.30	222.00	1.50	1.37	91.33	1.37	1.50	222.00	Sst. Mgd.		
222.30	223.70	0.90	0.74	82.22	0.41	0.50	223.30	-do-		
					0.15	0.18	223.48	Sh.		
					0.13	0.22	223.70	C O A L.		
223.70	226.35	2.65	2.43	91.70	0.08	0.09	223.79	-do-		
					0.12	0.13	223.92	S.C.		
					2.23	2.43	226.35	C O A L.		
226.35	228.20	1.05	1.00	97.30	0.10	0.11	226.46	Sh. (Sideritic).		
228.20	230.00	1.00	1.62	90.00	1.70	1.74	228.20	C O A L.		
					0.13	0.20	228.40	S.C.		

Local.

Br., Fr.

Hbr.

XVII

1	2	3	4	5	6	7	8	9	10	11
230.00	230.90	0.90	0.75	83.33	1.44	1.60	230.00	Sst. Argill.		Fr.
230.90	233.90	3.00	2.61	87.00	0.75	0.90	230.90	Sst. Argill.		Fr., Sl.
					0.53	0.61	231.51	-do-		
					0.72	0.33	232.34	Sst. & Sh. Intercalated.		
					1.29	1.43	233.32	Sst. Cgd.		
					0.07	0.08	233.90	Sh.		
233.90	236.30	2.40	2.32	96.67	0.60	0.62	234.52	Sh, aren.		
					1.10	1.22	235.74	Sst. Argill.		
					0.54	0.56	236.30	Sst. & Sh. Intercalated.		
236.30	239.30	3.00	1.75	53.33	0.25	0.43	236.73	Sh. (Sideritic).		
					0.30	0.51	237.24	Sst. Mgd. (Sideritic).		
239.30	242.30	3.00	2.35	73.33	1.20	2.06	239.30	Grit.		Fr., Br.
242.30	244.30	2.50	2.40	93.75	2.35	3.00	242.30	-do-		Fr., Sl.
244.30	247.30	1.00	2.22	74.00	2.40	2.50	244.30	-do-		Fr.
					1.35	1.32	246.62	-do-		
					0.03	0.11	245.73	Coal with Pyrite.		
					0.33	0.45	247.13	C O A L.		
					0.46	0.62	247.30	Sh.		Br.
247.30	249.30	0.50	0.23	56.00	0.23	0.41	248.21	Sh.		

Local.

1	2	3	4	5	6	7	8	9	10	11
243.30	251.30	3.00	2.71	90.33	1.35	1.49	249.79	Sh, aren.		Fr., Sl
					0.72	0.30	250.59	Sst. & Sh. intercalated.		
251.30	252.30	1.00	0.97	97.00	0.64	0.71	251.30	Sh, aren.		
					0.19	0.20	251.50	Sh.		
252.30	254.30	2.00	1.79	39.50	0.73	0.30	252.30	Sst. arell.		
					0.30	0.39	253.19	-do-		
					0.50	0.56	253.75	Sst. & Sh. intercalated.		Fr.
254.30	255.00	0.70	0.66	94.29	0.49	0.55	254.30	Sst. Mg.		Fr.
255.00	256.30	1.30	1.21	93.03	0.66	0.70	255.00	Sst. Cgd.		Fr.
					0.14	0.15	235.15	Sh.		Fr., Br
					0.70	0.75	255.90	S t. Cgd.		Fr., Br
					0.37	0.40	256.30	Sh.		Fr., Br
256.30	257.00	0.70	0.50	71.43	0.50	0.70	257.00	-do-		Fr., Br
257.00	257.60	0.60	0.60	100.00	0.60	0.60	257.60	-do-		Fr., Br
257.60	259.00	1.40	1.15	32.14	1.15	1.40	259.00	-do-		Fr., Br
259.00	260.00	1.00	1.00	100.00	0.20	0.20	259.20	Sh.		Fr., Sl
					0.30	0.00	260.00	Sst. arell.		Fr., Sl
260.00	263.00	3.00	1.97	65.67	0.40	0.73	260.73	Sst. & Sh. intercalated.		Fr., Sl
					0.05	1.30	262.03	Sst. Cgd.	Local	Fr., Sl

1	2	3	4	5	6	7	8	9	10	11
263.00	264.45	1.45	1.42	97.93	0.12	0.12	263.12	-do-	Local	Fr., Br.
264.45	265.75	1.30	1.30	100.00	0.12	0.13	263.00	M. P.		
265.75	266.75	3.00	2.32	94.00	0.12	0.12	264.45	Sst. Cgd.		
266.75	271.65	2.90	2.90	100.00	0.12	0.12	265.75	-do-		
271.65	273.45	1.30	1.77	93.33	0.12	0.12	266.75	Sst. Cgd. to Grit.		
					0.07	0.07	271.65	-do-		Fr.
					0.07	0.07	271.70	Sh.		Fr., Sl.
					0.07	0.07	271.77	S.C.		
273.45	274.65	1.20	1.20	100.00	0.07	0.07	273.45	Sh. with aren Bands.		Fr., Sl.
274.65	277.50	2.35	2.35	100.00	0.07	0.07	274.65	-do-		Fr., Sl.
					0.07	0.07	275.60	Sst. Argill.		
277.50	279.30	2.30	2.29	99.57	0.07	0.07	277.50	Sh.		
					0.44	0.44	278.99	-do-		Fr., Sl.
					0.44	0.44	279.43	Sh, aren.		
					0.37	0.37	279.30	Sh.		
279.30	281.40	1.60	1.53	93.75	0.37	0.37	279.96	-do-		
					0.16	0.16	280.00	S.C.		
					0.12	0.12	280.29	Sh.		
					0.21	0.21	280.52	S.C.		
					0.23	0.23				

1	2	3	4	5	6	7	8	9	10	11
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Local.

231.40	232.90	1.50	1.43	93.67	0.44	0.45	230.97	C O A L.
					0.26	0.27	231.24	S.C.
					0.16	0.16	231.40	C O A L.
					0.31	0.32	231.72	Sst. Cgd.
					0.26	0.26	231.93	Sh, aren.
					0.25	0.25	232.23	Sst. Cgd.
					0.66	0.67	232.90	Sh.

FOREHOLE CLOSED AT 232.90 METERS ON 23.9.1930.

5

RI2/11/08E

II/605

DETAILS OF COAL SEAMS
ENCOUNTERED IN BORE-
HOLE NO. MD - 35.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local	33.20	33.89	0.69	
XVIIID	86.44	86.54	0.10	
XVIII C	110.65	113.62	2.97	
XVIII B	120.69	123.00	2.31	
XVIII A	131.34	132.24	0.90	
Local (L-8)	145.11	146.15	1.04	
XVIIA	189.65	194.60	4.95	Jh, M.P.
Local	219.59	221.30	1.71	
XVII	223.48	228.40	4.92	
Local	246.62	247.18	0.56	
Local	262.03	263.12	1.09	
Local	280.65	281.40	0.75	

Latitude		: 20053.9424		: 21594.2560		: 131.635 m.		: 131.40 m.		Completed on : 26.10.1980.	
Departure		: 20053.9424		: 21594.2560		: 131.635 m.		: 131.40 m.		All dimensions in metres.	
L I T H O L O G Y											
From		To		Thickness		RECOVERY		THICKNESS		Depth of Floor	
1		2		3		4		5		6	
0.00		6.00		6.00		-		-		6.00	
6.00		7.70		1.70		-		-		7.70	
7.70		8.70		1.00		-		-		8.70	
8.70		9.70		1.00		-		-		9.70	
9.70		11.70		2.00		-		-		11.70	
11.70		12.70		1.00		0.44		44.00		12.04	
12.70		14.20		1.50		0.63		42.00		12.70	
14.20		15.70		1.50		0.49		32.67		12.87	
15.70		17.20		1.50		0.49		32.67		12.99	
17.20		18.70		1.50		0.49		32.67		14.20	
18.70		20.20		1.50		0.49		32.67		15.15	
20.20		21.70		1.50		0.49		32.67		15.70	
21.70		23.20		1.50		0.49		32.67		16.20	
23.20		24.70		1.50		0.49		32.67		16.70	
24.70		26.20		1.50		0.49		32.67		17.20	
26.20		27.70		1.50		0.49		32.67		17.70	
27.70		29.20		1.50		0.49		32.67		18.20	
29.20		30.70		1.50		0.49		32.67		18.70	
30.70		32.20		1.50		0.49		32.67		19.20	
32.20		33.70		1.50		0.49		32.67		19.70	
33.70		35.20		1.50		0.49		32.67		20.20	
35.20		36.70		1.50		0.49		32.67		20.70	
36.70		38.20		1.50		0.49		32.67		21.20	
38.20		39.70		1.50		0.49		32.67		21.70	
39.70		41.20		1.50		0.49		32.67		22.20	
41.20		42.70		1.50		0.49		32.67		22.70	
42.70		44.20		1.50		0.49		32.67		23.20	
44.20		45.70		1.50		0.49		32.67		23.70	
45.70		47.20		1.50		0.49		32.67		24.20	
47.20		48.70		1.50		0.49		32.67		24.70	
48.70		50.20		1.50		0.49		32.67		25.20	
50.20		51.70		1.50		0.49		32.67		25.70	
51.70		53.20		1.50		0.49		32.67		26.20	
53.20		54.70		1.50		0.49		32.67		26.70	
54.70		56.20		1.50		0.49		32.67		27.20	
56.20		57.70		1.50		0.49		32.67		27.70	
57.70		59.20		1.50		0.49		32.67		28.20	
59.20		60.70		1.50		0.49		32.67		28.70	
60.70		62.20		1.50		0.49		32.67		29.20	
62.20		63.70		1.50		0.49		32.67		29.70	
63.70		65.20		1.50		0.49		32.67		30.20	
65.20		66.70		1.50		0.49		32.67		30.70	
66.70		68.20		1.50		0.49		32.67		31.20	
68.20		69.70		1.50		0.49		32.67		31.70	
69.70		71.20		1.50		0.49		32.67		32.20	
71.20		72.70		1.50		0.49		32.67		32.70	
72.70		74.20		1.50		0.49		32.67		33.20	
74.20		75.70		1.50		0.49		32.67		33.70	
75.70		77.20		1.50		0.49		32.67		34.20	
77.20		78.70		1.50		0.49		32.67		34.70	
78.70		80.20		1.50		0.49		32.67		35.20	
80.20		81.70		1.50		0.49		32.67		35.70	
81.70		83.20		1.50		0.49		32.67		36.20	
83.20		84.70		1.50		0.49		32.67		36.70	
84.70		86.20		1.50		0.49		32.67		37.20	
86.20		87.70		1.50		0.49		32.67		37.70	
87.70		89.20		1.50		0.49		32.67		38.20	
89.20		90.70		1.50		0.49		32.67		38.70	
90.70		92.20		1.50		0.49		32.67		39.20	
92.20		93.70		1.50		0.49		32.67		39.70	
93.70		95.20		1.50		0.49		32.67		40.20	
95.20		96.70		1.50		0.49		32.67		40.70	
96.70		98.20		1.50		0.49		32.67		41.20	
98.20		99.70		1.50		0.49		32.67		41.70	
99.70		101.20		1.50		0.49		32.67		42.20	
101.20		102.70		1.50		0.49		32.67		42.70	
102.70		104.20		1.50		0.49		32.67		43.20	
104.20		105.70		1.50		0.49		32.67		43.70	
105.70		107.20		1.50		0.49		32.67		44.20	
107.20		108.70		1.50		0.49		32.67		44.70	
108.70		110.20		1.50		0.49		32.67		45.20	
110.20		111.70		1.50		0.49		32.67		45.70	
111.70		113.20		1.50		0.49		32.67		46.20	
113.20		114.70		1.50		0.49		32.67		46.70	
114.70		116.20		1.50		0.49		32.67		47.20	
116.20		117.70		1.50		0.49		32.67		47.70	
117.70		119.20		1.50		0.49		32.67		48.20	
119.20		120.70		1.50		0.49		32.67		48.70	
120.70		122.20		1.50		0.49		32.67		49.20	
122.20		123.70		1.50		0.49		32.67		49.70	
123.70		125.20		1.50		0.49		32.67		50.20	
125.20		126.70		1.50		0.49		32.67		50.70	
126.70		128.20		1.50		0.49		32.67		51.20	
128.20		129.70		1.50		0.49		32.67		51.70	
129.70		131.20		1.50		0.49		32.67		52.20	
131.20		132.70		1.50		0.49		32.67		52.70	
132.70		134.20		1.50		0.49		32.67		53.20	
134.20		135.70		1.50		0.49		32.67		53.70	
135.70		137.20		1.50		0.49		32.67		54.20	
137.20		138.70		1.50		0.49		32.67		54.70	
138.70		140.20		1.50		0.49		32.67		55.20	
140.20		141.70		1.50		0.49		32.67		55.70	
141.70		143.20		1.50		0.49		32.67		56.20	
143.20		144.70		1.50		0.49		32.67		56.70	
144.70		146.20		1.50		0.49		32.67		57.20	
146.20		147.70		1.50		0.49		32.67		57.70	
147.70		149.20		1.50		0.49		32.67		58.20	
149.20		150.70		1.50		0.49		32.67		58.70	
150.70		152.20		1.50		0.49		32.67		59.20	
152.20		153.70		1.50		0.49		32.67		59.70	
153.70		155.20		1.50		0.49		32.67		60.20	
155.20		156.70		1.50		0.49		32.67		60.70	
156.70		158.20		1.50		0.49		32.67		61.20	
158.20		159.70		1.50		0.49		32.67		61.70	
159.70		161.20		1.50		0.49		32.67		62.20	
161.20		162.70		1.50		0.49		32.67		62.70	
162.70		164.20		1.50		0.49		32.67		63.20	
164.20		165.70		1.50		0.49		32.67		63.70	
165.70		167.20		1.50		0.49		32.67		64.20	
167.20		168.70		1.50		0.49		32.67		64.70	
168.70		170.20		1.50		0.49		32.67		65.20	
170.20		171.70		1.50		0.49		32.67		65.70	
171.70		173.20		1.50		0.49		32.67		66.20	
173.20		174.70		1.50		0.49		32.67		66.70	
174.70		176.20		1.50		0.49		32.67		67.20	

1	2	3	4	5	6	7	8	9	10	11
15.70	17.20	1.50	0.46	30.67	0.13	0.42	16.12	Sh, aren.		
17.20	18.70	1.50	0.50	33.33	0.33	1.03	17.20	Sst. Mgd.		
13.70	21.20	2.00	1.91	76.40	0.13	0.54	18.70	Sst. Argill.		
21.20	24.20	3.00	2.61	87.00	0.46	0.60	19.30	Sst. Mgd.		
					0.63	0.32	21.12	Sh, aren.		
					0.32	1.03	21.20	Sst. Mgd. to Sst. Cgd.		
21.20	24.20	3.00	2.61	87.00	0.32	1.75	22.95	Sst. Cgd.		
					0.50	0.67	23.62	Sst. & Sh. Intercalated.		
					0.22	0.25	23.87	Sst. Mgd.		
					0.05	0.06	23.93	Sh.		
					0.24	0.27	24.20	Sst. Cgd.		
24.20	25.70	1.50	1.47	90.00	0.47	1.50	25.70	Sst. Cgd.		
25.70	28.70	3.00	2.63	87.67	2.63	3.00	28.70	-do-		
28.70	30.60	1.50	1.74	91.58	0.34	0.37	29.07	Sst. Mgd.		
					1.05	1.15	30.22	Sst. Cgd.		
30.60	31.70	1.10	1.04	94.55	0.35	0.38	30.60	Sst. & Sh. Intercalated.		
31.70	33.70	2.00	1.04	97.00	1.04	1.10	31.70	-do-		
33.70	35.70	3.00	1.04	99.00	1.04	1.10	33.70	-do-		

1	2	3	4	5	6	7	8	9	10	11
34.70	37.10	2.40	2.40	100.00	0.32	0.35	33.88	Sst. Argill.		
					0.19	0.20	34.03	Sst. Cgd.		
					0.61	0.62	34.70	Sst. & Sh. Intercalated.		
					1.43	1.43	35.18	-do-		
					0.14	0.14	36.32	Jhama.		
					0.46	0.46	36.73	Sh. (Baked).		
					0.32	0.32	37.10	Sh. aren.		
37.10	37.70	0.60	0.39	65.00	0.30	0.46	37.56	-do-		
					0.09	0.14	37.70	Sst. Mgd.		
37.70	40.70	3.00	2.49	33.00	0.68	0.62	38.52	-do-		
					0.16	0.19	38.71	Sst. Cgd.		
					0.36	0.43	39.14	Sst. & Sh. Intercalated.		
					0.35	0.42	39.56	Sst. Cgd.		
					0.46	0.55	40.11	Sst. & Sh. Intercalated.		
					0.15	0.13	40.29	Sh. (Baked).		
					0.03	0.09	40.33	Jhama.		
					0.25	0.32	40.70	Sh. (Baked).		
40.70	43.70	3.00	2.16	72.00	0.37	0.51	41.21	Sh. aren.		
					0.53	0.31	42.02	Sst. Mgd.		
					0.09	0.12	42.14	Csh. (Baked).		

BOREHOLE NO. : MD - 36.

II/609

1	2	3	4	5	6	7	8	9	10	11
43.70	46.45	2.75	2.61	94.91	0.15	0.20	42.34	Jhama.		
					0.40	0.56	42.90	Sh.		
					0.57	0.80	43.70	Jhama.		
					0.05	0.05	43.75	-do-		
					0.16	0.17	43.92	Sh. (Baked).		
					0.14	0.15	44.07	Sst. Mgd.		
					2.26	2.38	46.45	Sst. Argill.		
46.45	49.50	3.05	3.05	100.00	0.54	0.54	46.99	-do-		
					0.32	0.32	47.31	Sst. Mgd.		
					0.52	0.52	47.33	Sst. & Sh. Intercalated.		
					1.67	1.67	49.50	Sst. Cgd.		
49.50	52.55	3.05	3.05	100.00	3.05	3.05	52.55	-do-		
52.55	54.55	2.00	1.49	74.50	1.49	2.00	54.55	-do-		
54.55	57.20	1.50	1.00	66.67	0.34	1.26	56.96	-do-		
					0.07	0.10	57.06	Sh. (Baked).		
					0.09	0.14	57.20	Jhama.		
57.20	58.70	1.50	1.37	91.33	0.73	0.79	57.99	Sst. Argill.		
					0.03	0.09	58.03	Jhama.		
					0.41	0.45	58.53	Sh.		

Local

1	2	3	4	5	6	7	8	9	10	11
50.70	61.40	2.70	2.50	92.59	0.15	0.17	50.70	Sst. & Sh. Intercalated.		
					0.03	0.09	53.79	Sh, aren.		
					0.38	0.41	59.20	Sst. Mgđ. with Sh. Bands.		
					1.36	1.47	60.67	Sst. Cgd.		
					0.68	0.73	61.40	Sst. Mgđ.		
61.40	64.45	3.05	3.05	100.00	1.00	1.00	62.40	-do-		
					1.60	1.60	64.00	Crit.		
					0.20	0.20	64.20	M. P.		
					0.25	0.25	64.45	Sst. Mgđ. with Sh. Bands.		
64.45	65.45	1.00	0.32	32.00	0.56	0.68	65.13	Sst. Cgd.		
					0.26	0.32	65.45	Sst. & Sh. Intercalated.		
65.45	67.25	1.30	1.13	62.78	0.30	0.48	65.93	Sst. & Sh. Intercalated.		
					0.12	0.19	66.12	Sh.		
					0.12	0.21	66.33	Sh.		
					0.53	0.92	67.25	Sh, aren.		
67.25	69.65	2.40	2.40	100.00	0.53	0.53	67.78	Jhana.		
					0.25	0.25	68.03	Sh. (Baked).		
					0.54	0.54	68.57	Sh.		
					1.03	1.03	69.65	Sst. Mgđ.		
69.65	70.05	0.40	0.40	100.00	0.40	0.40	70.05	-do-		

Local (L-7)

1	2	3	4	5	6	7	8	9	10	11
70.05	73.10	3.05	2.86	93.77	0.10	0.11	70.16	Sst. Mgd.		
					1.15	1.23	71.39	Sh.		
					0.29	0.31	71.70	Sst. Mgd.		
					1.32	1.40	73.10	Sst. Cgd.		
73.10	74.45	1.35	1.13	83.70	0.07	0.08	73.13	Dolorite.		
					0.83	0.99	74.17	Sst. Cgd.		
					0.23	0.28	74.45	Sst. & Sh. Intercalated.		
					1.01	1.05	75.50	Sst. Mgd.		
74.45	76.10	1.65	1.60	96.97	0.59	0.60	76.10	Sst. Cgd.		
					2.35	2.40	78.50	-do-		
76.10	78.50	2.40	2.35	97.92	0.53	0.60	79.10	-do-		
78.50	79.10	0.60	0.58	96.67	0.53	0.60	79.10	-do-		
79.10	79.70	0.60	0.53	96.67	0.53	0.60	79.70	-do-		
					1.54	1.61	81.31	-do-		
79.70	82.10	2.40	2.29	95.42	0.75	0.79	82.10	Sh, aren.		
					0.14	0.14	82.24	-do-		
82.10	84.30	2.20	2.19	99.55	0.16	0.16	82.40	Gsh. (Baked).		
					0.74	0.75	83.15	Tharna.		
					0.17	0.17	83.32	Gsh. (Baked).		

1	2	3	4	5	6	7	8	9	10	11
84.30	85.10	0.00	0.00	100.00	0.32	0.32	84.30	Sh. (Baked).		
					0.60	0.60	84.30	Sst. Argill.		
85.10	87.60	2.50	2.50	100.00	0.20	0.20	85.10	Sst. Mg.		
					0.71	0.71	85.01	-do-		
					0.25	0.25	86.06	Sst. Cgd.		
					0.24	0.24	86.30	Sh.		
					0.21	0.21	86.51	Sst. Argill.		
					0.78	0.78	87.29	Sh, aren.		
87.60	88.10	0.50	0.50	100.00	0.31	0.31	87.60	Sst. & Sh. Intercalated.		
					0.26	0.26	87.06	-do-		
88.10	91.10	3.00	2.96	93.67	0.24	0.24	88.10	Sst. Cgd.		
					2.19	2.22	90.32	Sst. Argill.		
91.10	92.90	1.30	1.77	98.33	0.77	0.78	91.10	Sst. & Sh. Intercalated.		
					0.20	0.21	91.31	-do-		
92.90	94.10	1.20	1.15	95.03	1.57	1.59	92.90	Sst. Mg.		
					0.33	0.34	93.24	-do-		
					0.64	0.63	93.92	Sst. & Sh. Intercalated.		
					0.08	0.08	94.00	Sh, aren.		
					0.10	0.10	94.10	C O A L.		
94.10	96.90	2.80	2.73	97.50	0.05	0.05	94.15	Sst. Argill.		

1	2	3	4	5	6	7	8	9	10	11
109.10	110.60	1.50	1.49	99.33	0.43	0.43	109.53	Grit.		
					0.09	0.09	109.62	Sh, aren.		
					0.03	0.03	109.70	Csh. (Baked).		
					0.03	0.03	109.73	Jhama.		
					0.13	0.13	109.96	Csh. (Baked).		
					0.63	0.64	110.60	Sst. & Sh. Intercalated.		
110.60	112.25	1.65	1.65	100.00	0.24	0.24	110.04	-do-		
					0.24	0.24	111.03	Sst. Mgd.		
					0.30	0.30	111.33	Sst. & Sh. Intercalated.		
					0.15	0.15	111.53	Sst. Mgd.		
					0.22	0.22	111.75	Sst. & Sh. Intercalated.		
					0.50	0.50	112.25	Sst. Cgd.		
112.25	115.30	3.05	2.77	90.32	0.10	0.11	112.36	Sh, aren.		
					0.11	0.12	112.43	Csh.		
					0.17	0.13	112.66	Sh.		
					0.66	0.73	113.39	Sst. Argill.		
					0.76	0.34	114.23	Sh.		
					0.79	0.37	115.10	Sst. Argill.		
					0.10	0.20	115.30	Sh.		

1	2	3	4	5	6	7	8	9	10	11
115.30	110.30	3.00	3.00	100.00	0.54	0.54	115.84	Csh. (Baked).	Local	
					1.42	1.42	117.26	Thama.		
					0.50	0.50	117.76	Sst. Argill.		
					0.40	0.40	117.80	Sh.		
					0.44	0.44	118.30	Thama.		
					1.34	1.34	119.64	-do-		
118.30	121.30	3.00	3.00	100.00	0.30	0.30	120.44	Sh. with C. Streaks.		
					0.36	0.36	121.30	Sst. Mgd.		
121.30	124.30	3.00	3.00	100.00	0.12	0.12	121.42	-do-		
					0.66	0.66	122.08	Sh.		
					2.22	2.22	124.30	Sst. & Sh. Intercalated.		
124.30	125.30	1.50	1.50	100.00	0.67	0.67	124.97	-do-		
					0.28	0.28	125.25	Sh.		
					0.43	0.43	125.68	Csh. (Baked).		
					0.12	0.12	125.80	Thama.		
125.30	127.30	1.50	1.50	100.00	1.50	1.50	127.30	-do-		
127.30	130.30	3.00	3.00	100.00	1.67	1.67	128.97	-do-		
					0.39	0.39	129.36	Sh. with Pyrite.		
					0.44	0.44	130.30	Sst. Argill.		
130.30	131.40	1.10	1.10	100.00	1.10	1.10	131.40	Sst. & Sh. Intercalated.		

XVII

Local

DETAILS OF COAL SEAMS ENCOUNTERED

IN BORE HOLE NO. MD - 36.

(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
XVIII	12.70	14.20	1.50	Jh.C
Local (L-8)	42.90	43.75	0.85	Jh
Local (L-7)	67.25	67.78	0.53	Jh
XVIIA	94.00	95.24	1.24	Jh.M.P.
	96.72	98.57	1.85	
Local	115.84	117.26	1.42	
Local	117.86	119.64	1.78	
XVII	125.68	128.97	3.29	Jh

LOG NO. 018

BOREHOLE NO. : MD - 32.

II/617

Latitude : 19660.4464

R. L. of Collar : 178.295 m.

Departure : 21513.7627

Depth drilled. : 114.55 m.

All dimensions in meters

From	To	Thickness	RECOVERY		THICKNESS		Depth of Floor	L. I. T. H. O. L. O. C. Y.	Seam Correlation	Structure Features
			Recovered.	Per cent.	Recovered.	Extrapolated.				
1	2	3	4	5	6	7	8	9	10	11
0.00	3.00	3.00	-	-	-	-	3.00	Soil.		
3.00	6.00	3.00	-	-	-	-	6.00	-do-		
6.00	7.50	0.70	-	-	-	-	7.50	-do-		
7.50	8.00	0.50	-	-	-	-	8.00	-do-		
8.00	11.05	3.05	2.67	94.10	2.87	3.05	11.05	Sst. & Sh. Intercalated.		
11.05	14.05	3.00	3.00	100.00	1.44	1.44	12.49	-do-		
					1.43	1.43	13.92	Sst. Argill.		
					0.13	0.13	14.05	Sst. & Sh. Intercalated.		
					0.32	0.33	14.38	Sst. Mgd.		
14.05	17.05	3.00	2.88	96.00	0.15	0.16	14.54	Sst. & Sh. Intercalated.		
					0.35	0.37	14.91	Sst. Mgd.		
					0.34	0.35	15.26	Sst. & Sh. Intercalated.		
					0.62	0.65	15.91	Sh, aren.		
							16.78	Sh.		

Weathered zone

1	2	3	4	5	6	7	8	9	10	11
17.05	20.05	3.00	2.92	97.33	0.26	0.27	17.05	Sst. & Sh. Intercalated.		
					0.46	0.47	17.52	Sh. with aren Bands.		
					0.28	0.29	17.81	Sst. Mgd.		
					0.57	0.59	18.40	Sst. & Sn. Intercalated.		
					0.22	0.22	18.62	Sh. aren.		
					0.32	0.34	19.46	Sst. & Sh. Intercalated.		
					0.57	0.59	20.05	Sst. Mgd.		
20.05	23.05	3.00	2.40	30.00	0.56	0.70	20.75	-do-		
					0.31	0.39	21.14	Sh.		
					0.14	0.10	21.32	CSh.		
					0.07	0.09	21.41	C O A L.		
					0.22	0.23	21.69	Sh. aren.		
					1.10	1.36	23.05	Sst. & Sh. Intercalated.		
23.05	24.05	1.00	0.96	96.00	0.14	0.15	23.20	Sh.		
					0.20	0.21	23.41	C O A L.		
					0.11	0.11	23.52	S.G.		
					0.15	0.16	23.63	Sst. Mgd.		
					0.10	0.10	23.73	Sh.		
					0.26	0.27	24.05	Sst. Mgd.		

BOREHOLE NO. : MD - 32.

II/619

1	2	3	4	5	6	7	8	9	10	11
24.05	26.05	2.00	1.72	89.00	0.66	0.74	24.79	Sst. Mg.		
					0.61	0.60	25.47	Sst. & Sh. Intercalated.		
					0.15	0.10	25.65	C O A L.		
					0.36	0.40	26.05	Sst. & Sh. Intercalated.		
26.05	29.05	3.00	2.60	86.67	1.10	1.26	27.31	-do-		
					1.50	1.74	29.05	Sst. Mg.		
20.95	31.75	2.70	2.46	91.11	0.64	0.70	29.75	-do-		
					0.17	0.19	29.94	Sst. & Sh. Intercalated.		
					0.47	0.52	30.46	Sst. Mg.		
					1.13	1.29	31.75	Sst. & Sh. Intercalated.		
31.75	34.30	3.05	3.05	100.00	0.09	0.09	31.04	-do-		
					2.57	2.57	34.41	Sst. Cgd.		
					0.24	0.24	34.65	Sh.		
					0.15	0.15	34.80	Sst. Mg.		
34.80	37.80	3.00	2.97	99.00	0.05	0.05	24.05	-do-		
					0.30	0.30	35.15	Sh.		
					0.70	0.71	35.86	Sst. Mg.		
					0.65	0.66	36.52	Grit.		
					0.69	0.70	37.22	Sst. Mg.		
					0.43	0.43	37.70	Grit.		

1	2	3	4	5	6	7	8	9	10	11
37.80	40.85	3.05	3.05	100.00	0.10	0.10	37.80	Grit.		
40.05	43.90	3.05	3.05	100.00	0.05	0.05	37.85	Sh.		
					3.00	3.00	40.85	Grit.		
					0.20	0.20	41.05	-do-		
					2.85	2.85	43.90	Sst. Cgd.		
43.90	46.95	3.05	3.04	99.67	0.76	0.76	44.66	Grit.		
					2.28	2.29	46.95	Sst. Cgd.		
46.95	48.70	1.35	1.00	74.07	1.00	1.35	48.30	-do-		
40.30	49.95	1.65	1.53	92.73	1.25	1.35	49.65	-do-		
					0.22	0.23	49.80	C O A L.		
					0.06	0.07	49.95	Sh. with C. Streaks.		
49.95	52.95	3.00	2.94	98.00	0.30	0.31	50.26	S.C.		
					0.08	0.08	50.34	C O A L.		
					0.39	0.40	50.74	S.C.		
					0.96	0.98	51.72	Sst. & Sh. Intercalated.		
					1.08	1.10	52.82	Sh.		
52.95	53.95	1.00	1.00	100.00	0.13	0.13	52.95	Sst. Mgd. (Siderite).		
53.95	55.95	2.00	2.00	100.00	1.00	1.00	53.95	Sst. Mgd.		
					2.00	2.00	55.95	Sst. & Sh. Intercalated.		

Local

BOREHOLE NO. : MD - 37.

II/621

1	2	3	4	5	6	7	8	9	10	11
5.95	58.95	3.00	3.00	100.00	1.68	1.68	57.63	Sst. & Sh. Intercalated.		
					0.96	0.96	58.99	Sst. Mg.		
					0.36	0.36	58.95	Sst. & Sh. Intercalated.		
58.95	62.00	3.05	2.91	95.41	1.02	1.05	60.03	Sst. Mg. with Sh. Bands.		
					1.89	1.97	62.00	Sst. & Sh. Intercalated.		
62.00	65.00	3.00	3.00	100.00	0.85	0.85	62.35	Sst. Mg.		
					0.23	0.23	63.08	Sst. & Sh. Intercalated.		
					0.74	0.74	63.32	Sst. Mg.		
					0.87	0.87	64.69	Sst. Cgd.		
					0.31	0.31	65.00	Sst. & Sh. Intercalated.		
65.00	68.05	3.05	3.05	100.00	0.78	0.78	65.78	-do-		
					0.65	0.65	66.43	Sst. Mg.		
					0.71	0.71	67.14	Sst. & Sh. Intercalated.		
					0.91	0.91	68.05	Sst. Cgd.		
68.05	71.05	3.00	2.87	95.67	0.28	0.30	68.35	Sst. & Sh. Intercalated.		
					0.21	0.22	68.57	Sh.		
					0.16	0.16	68.73	Sst. Mg. with Sh. Bands.		
					0.11	0.11	68.84	Sh. with C. Streaks.		
					0.65	0.68	69.52	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
71.05	74.05	3.00	2.23	74.33	0.61 0.50 1.25	0.64 0.53 1.68	70.52 71.05 72.73	Bst. & Sh. Intercalated. Sst. Mgd. -do-		
74.05	77.10	3.05	3.05	100.00	0.90 0.03 0.15 0.40 2.50	1.21 0.14 0.15 0.40 2.50	73.91 74.05 74.20 74.60 77.10	C O A L. Sh. Sh, aren. C O A L. Gallery.		
77.10	79.10	2.00	1.51	75.50	0.59 0.45 0.39 0.03	0.73 0.59 0.52 0.11	77.63 78.47 78.99 79.10	C O A L. Sh, aren. Grit. Bst. & Sh. Intercalated.		
79.10	80.10	1.00	0.93	98.00	0.93	1.00	80.10	Sst. Cgd.		
80.10	83.10	3.00	2.95	98.33	2.95	3.00	83.10	Sst. Cgd.		
83.10	85.10	2.00	2.00	100.00	0.95 0.52 0.53	0.95 0.52 0.53	84.05 84.57 85.10	-do- Sst. & Sh. Intercalated. Sst. Cgd.		
85.10	86.15	1.05	1.05	100.00	0.51 0.44 0.10	0.51 0.44 0.10	85.61 86.05 86.15	Sst. Mgd. C O A L. Sh.		

XVII A

1	2	3	4	5	6	7	8	9	10	11
86.15	89.15	3.00	2.96	98.67	0.61	0.62	86.77	Sst. & Sh. Intercalated.		
					0.03	0.03	86.35	C O A L.		
					0.41	0.41	87.26	Sst. Argill.		
					1.73	1.76	89.02	Sst. Mgd. with Sh. Bands.		
					0.13	0.13	89.15	Sst. & Sh. Intercalated.		
89.15	91.15	2.00	2.00	100.00	0.06	0.06	89.21	Sh.		
					0.15	0.15	89.36	Sst. Mgd.		
					0.84	0.84	90.20	Sst. & Sh. Intercalated.		
					0.95	0.95	91.15	Sst. Cgd.		
91.15	92.15	1.00	0.80	100.00	0.80	1.00	92.15	-do-		
92.15	95.15	3.00	3.00	100.00	1.30	1.30	93.45	-do-		
					0.05	0.05	93.50	C O A L.		
					0.26	0.26	93.76	Sh, aren.		
					1.39	1.39	95.15	Sst. & Sh. Intercalated.		
95.15	98.15	3.00	2.95	98.33	1.08	1.10	96.25	-do-		
					1.87	1.90	98.15	Sst. Cgd.		
98.15	101.20	3.05	3.00	98.36	3.00	3.05	101.20	-do-		
101.20	102.70	1.50	1.50	100.00	1.50	1.50	102.70	-do-		
102.70	104.20	1.50	1.50	100.00	1.50	1.50	104.20	-do-		

1	2	3	4	5	6	7	8	9	10	11
104.20	107.20	3.00	2.93	97.67	2.11	2.16	106.36	Sst. Cgd.		
					0.82	0.34	107.20	Sh.		
107.20	110.20	3.00	2.92	97.33	0.95	0.98	108.13	Sst. & Sh. Intercalated.		
					0.32	0.33	108.51	Sst. Mgd.		
					0.47	0.48	108.99	Sh, aren.		
					1.18	1.21	110.20	C O A L.		
110.20	113.20	3.00	2.88	96.00	1.07	1.12	111.32	C O A L.		
					0.33	0.34	111.66	Sst. & Sh. Intercalated.		
					0.29	0.30	111.96	Sh.		
					1.03	1.03	113.04	Sst. & Sh. Intercalated.		
					0.16	0.16	113.20	Sst. Mgd.		
113.20	114.55	1.35	1.35	100.00	1.35	1.35	114.55	Sst. & Sh. Intercalated.		

BOREHOLE CLOSED AT THE DEPTH OF 114.55 METRES.

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MD - 37.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local	49.65	50.74	1.09	
XVII A	72.73	74.60	1.87	
-do-	74.60	77.10	2.50	→ Gallery
	77.10	77.33	0.23	
XVII	108.99	111.32	2.33	

Elevation : 179.900 m.
 Depth drilled : 205.55 m.
 Completed on : 9.1.1981.
 All dimensions in metres.

R U N		Thickness	RECOVERY		THICKNESS		Depth of Floor	L I T H O L O G Y		Seam Correlation	Structural Features
From	To		Reco- vered.	Per- cent.	Reco- vered.	Extra- polated.					
1	2	3	4	5	6	7	8	9	10	11	
0.00	4.00	4.00	-	-	-	-	4.00	Soil.			
4.00	5.00	1.00	-	-	-	-	5.00	-do-			
5.00	6.15	1.15	-	-	-	-	6.15	-do-			
6.15	8.00	1.85	1.05	56.76	1.05	1.05	8.00	Sst. Mgd.			
8.00	10.55	2.55	1.23	48.24	1.23	2.55	10.55	-do-			
10.55	11.5	1.00	0.31	31.00	0.31	1.00	11.55	Sludge.			
11.55	12.55	1.00	0.25	25.00	0.25	1.00	12.55	Sh.			
12.55	14.55	2.00	0.84	42.00	0.84	2.00	14.55	Sst. Fgd. with Sh. Bands.			
14.55	15.55	1.00	0.45	45.00	0.45	1.00	15.55	Sh.			
15.55	16.70	1.15	0.25	21.74	0.05	0.23	15.78	Sst. Mgd.			
16.70					0.05	0.23	16.01	Sh.			
					0.15	0.69	16.70	Sh, aren.			
16.70	18.70	2.00	0.07	43.50	0.63	1.44	18.14	Sst. Argill.			
					0.24	0.56	18.70	Sst. Mgd.			

Br., Fr.

BOREHOLE NO. : MD - 38.

III/627

1	2	3	4	5	6	7	8	9	10	11
13.70	20.00	1.30	0.92	70.77	0.61	1.14	19.84	Sst. Mgd.		
					0.11	0.16	20.00	Sst. & Sh. Intercalated.		
20.00	23.05	3.05	2.96	97.05	1.32	1.38	21.38	Sst. Mgd. with Sh. Bands.		
					0.64	0.65	22.03	Sst. Cgd.		
					0.28	0.28	22.31	Sst. Mgd.		
					0.72	0.74	23.05	Sst. Grit.		
23.05	26.10	3.05	2.90	96.08	0.39	0.41	23.46	-do-		
					0.45	0.43	23.94	Sst. & Sh. Intercalated.		
					0.43	0.45	24.39	Sst. Cgd.		
					0.78	0.82	25.21	Sst. Mgd. with Sh. Bands.		
					0.85	0.89	26.10	Sh.		
26.10	29.15	3.05	3.01	98.69	0.18	0.18	26.20	-do-		
					1.27	1.29	27.57	Sst. & Sh. Intercalated.		
					1.56	1.58	29.15	Sh. aren.		
29.15	32.15	3.00	3.00	100.00	1.00	1.00	30.15	Sh.		
					1.40	1.40	31.55	Csh.		
					0.60	0.60	32.15	C O A L.		
32.15	35.15	3.00	2.94	94.67	2.84	3.00	35.15	C O A L.		
					3.00	3.00	38.15	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
38.15	39.45	1.30	1.30	100.00	1.30	1.30	39.45	Sst. & Sh. Intercalated.		
39.45	40.00	0.55	0.50	90.91	0.20	0.22	39.67	Csh.		
					0.30	0.33	40.00	C O A L.		
40.00	40.95	0.95	0.73	76.04	0.73	0.95	40.95	C O A L.		
40.95	44.00	3.05	2.97	97.30	0.05	0.05	41.00	C O A L.		
					0.25	0.26	41.26	Csh.		
					1.39	1.43	42.69	C O A L.		
					0.10	0.10	42.79	Sh. with C. bands.		
					0.07	0.09	43.68	Sst. & Sh. Intercalated.		
					0.31	0.32	44.00	Sst. Mgd.		
44.00	45.30	2.00	2.74	97.86	1.27	1.30	45.30	-do-		
					1.42	1.50	46.30	Sst. & Sh. Intercalated.		
46.30	49.40	2.60	2.38	91.54	0.57	0.63	47.43	Sht. ARGILL.		
					1.02	1.13	48.56	Sh.		
					0.79	0.04	49.40	C O A L.		
49.40	52.45	3.05	2.87	94.09	0.23	0.24	49.64	C O A L.		
					0.42	0.45	50.09	Sh.		
					2.22	2.36	52.45	C O A L.		
52.45	53.45	1.00	0.71	71.00	0.71	1.00	53.45	C O A L.		

XVIII B

Br.

Local

XVIII A

BOREHOLE NO. : MD - 33.

II/629

1	2	3	4	5	6	7	8	9	10	11
53.45	55.50	2.05	2.05	100.00	0.37	0.37	54.32	Sst. & Sh. Intercalated.		
					0.36	0.36	54.63	Sh. with C.		
					0.32	0.02	55.50	Sst. & Sh. Intercalated.		
					0.34	0.93	56.43	Sh. with aren Bands.		
55.50	58.50	3.00	2.70	90.00	0.50	0.56	56.99	C O A L.		
					0.24	0.27	57.26	Sh. with C. Streaks.		
					0.13	0.14	57.40	S.C.		
					0.24	0.27	57.67	Sh.		
					0.75	0.33	58.50	C O A L.		
58.50	59.65	1.15	0.53	46.03	0.30	0.32	59.32	Sh.		
					0.15	0.33	59.65	C O A L.		
59.65	61.50	1.05	1.4	78.99	1.46	1.35	61.50	Sst. & Sh. Intercalated.		
61.50	64.05	2.55	2.41	94.51	2.41	2.55	64.05	Sst. Mgd.		
64.05	67.05	3.00	2.70	90.00	0.57	0.63	64.63	-do-		
					0.75	0.33	65.51	Sst. & Sh. Intercalated.		
					0.93	1.09	66.60	C O A L.		
					0.40	0.45	67.05	Gsh.		
67.05	69.05	2.00	1.33	91.50	0.45	0.50	67.55	-do-		
					0.5	0.60	68.15	C O A L.		

XVIII

Local (- 9)
Br.

Local

1	2	3	4	5	6	7	8	9	10	11
69.05	70.55	1.50	1.30	86.67	0.57	0.63	69.05	Sst. Mgd. with Sh. Bands.		
					0.22	0.25	69.30	Sst. Mgd.		
					0.32	0.37	69.67	Sst. & Sh. Intercalated.		
					0.33	0.38	70.05	Sst. Mgd.		
					0.43	0.50	70.5	Sst. & Sh. Intercalated.		
70.55	73.55	3.00	2.42	80.67	0.13	0.16	70.71	Sh, aren.		
					0.07	0.09	70.80	Sst. Cgd.		
					0.05	0.06	70.86	Sh, aren.		
					2.17	2.69	73.55	Sst. Cgd.		
73.55	76.10	2.55	2.52	98.32	0.74	0.75	74.30	-do-		
					0.62	0.63	74.93	Sst. & Sh. Intercalated.		
					1.16	1.17	76.10	Sst. Cgd.		
76.10	79.25	3.15	3.10	98.41	0.20	0.20	76.30	-do-		
					0.31	0.31	76.61	Sh. with aren Bands.		
					0.11	0.11	76.72	Sst. Cgd. (Siderite).		
					1.32	1.35	78.07	Sst. & Sh. Intercalated.		
					0.46	0.47	78.54	Sst. Mgd.		
					0.43	0.44	78.98	Sst. & Sh. Intercalated.		
					0.27	0.27	79.25	Sst. Mgd.		
79.25	80.25	1.00	1.00	100.00	1.00	1.00	80.25	-do-		

Fr., Sl.

1	2	3	4	5	6	7	8	9	10	11
00.25	01.25	1.00	1.00	100.00	1.00	1.00	02.25	Sst. & Sh. Intercalated.		
01.25	02.25	1.00	0.78	78.00	0.08	0.10	01.35	Sh, aren.		
					0.05	0.06	01.41	C O A L.		
					0.65	0.34	02.25	Sst. & Sh. Intercalated.		
02.25	05.05	2.30	2.30	100.00	1.60	1.60	03.05	Sst. & Sh. Intercalated.		
					0.24	0.24	04.00	Sh.		
					0.65	0.65	04.74	Sst. Argill.		
					0.31	0.31	05.05	Sst. Mgd.		
05.05	07.55	2.50	2.50	100.00	0.45	0.45	05.50	Sst. & Sh. Intercalated.		
					0.40	0.40	05.56	Sst. Mgd.		
					0.21	0.21	06.15	Sh. (calcareous).		
					0.20	0.20	06.47	Sst. Mgd.		
					0.11	0.11	06.47	Sst. Mgd.		
					0.04	0.04	07.42	Jhama.		
					0.13	0.13	07.55	Csh. (Baked).		
07.55	08.30	0.75	0.72	96.00	0.72	0.75	08.30	M. P.		
08.30	09.15	1.05	1.79	96.76	1.41	1.45	09.75	-do-		
					0.30	0.40	09.15	Jhama + M.P.		
							09.95	Jhama.		

1	2	3	4	5	6	7	8	9	10	11
91.35	94.35	3.00	2.05	95.00	0.30 0.10 1.49	0.30 0.10 1.57	91.25 91.35 92.92	C O A L. Csh. C O A L.	XVII A	
					0.01 0.40 0.15	0.05 0.42 0.16	93.77 94.19 94.35	Sst. Argill. h. P. Sst. & Sh. Intercalated.		
94.35	96.15	1.30	1.74	96.67	0.62 0.76	0.64 0.70	94.99 95.77	-do- Sst. Argill.		
96.15	97.35	1.20	1.15	95.03	0.36 1.15	0.33 1.20	96.15 97.35	Sst. Cgd. -do-		
97.35	100.35	3.00	2.95	93.33	2.33 0.33	2.42 0.34	99.77 100.11	Sst. Cgd. to Sst. Mgd. Sst. & Sh. Intercalated.		
					0.24	0.24	100.35	Sst. Mgd.		
100.35	103.40	3.05	3.05	100.00	0.45 1.10	0.45 1.10	100.00 101.90	Sst. & Sh. Intercalated. Sst. Cgd.	Local	Fr.
					0.65 0.31	0.65 0.31	102.55 102.36	C O A L. Sh. with C. Bands.		
					0.15 0.39	0.15 0.39	103.01 103.40	C O A L. Sh.		
103.40	105.73	2.30	2.30	100.00	0.54	0.54	103.94	-do-		

1	2	3	4	5	6	7	8	9	10	11
105.70	106.40	0.70	0.70	100.00	0.56	0.56	104.50	Sst. & Sh. Intercalated.		
106.40	109.45	3.05	3.02	99.02	0.60	0.60	105.10	Sst. Cgd.		
					0.60	0.60	105.70	Sh, aren.		
							106.40	-do-		
109.45	111.25	1.00	1.00	100.00	0.70	0.70	107.44	Sst. & Sh. Intercalated.		
					1.03	1.04	109.45	Sst. Cgd.		
					1.99	2.01		-do-		
					1.73	1.73	111.10	-do-		
					0.07	0.07	111.25	C O A L.		
111.25	112.45	1.20	1.19	99.17	1.19	1.20	112.45	Sst. & Sh. Intercalated.		
							115.60	-do-		
112.45	115.60	3.15	3.00	95.24	3.00	3.15	116.60	-do-		
115.60	118.55	2.95	2.95	100.00	1.00	1.00	116.92	Sst. Mgd.		
					0.32	0.32	117.75	Sst. & Sh. Intercalated.		
					0.33	0.33	118.25	Shl		
					0.50	0.50	118.55	C O A L.		
					0.30	0.30	118.70	-do-		
118.55	121.60	3.05	3.03	99.34	0.15	0.15	119.09	Jhama.		
					0.19	0.19	119.17	S.C.		
					0.29	0.29				

Local

1	2	3	4	5	6	7	8	9	10	11
121.66	124.60	3.00	3.00	100.00	0.13	0.13	120.23	Sh.		
					0.34	0.34	120.57	GSh. (Baked).		
					0.13	0.13	120.75	Thama + M. P.		
					0.64	0.65	121.40	M. P.		
					0.20	0.20	121.60	M.		
					0.90	0.90	122.50	Thama + M. P.		
					0.38	0.38	122.80	Thama + M. P.		
					0.80	0.80	123.60	Thama.		
					0.53	0.53	124.40	C.O A L.		
124.60	127.65	3.05	3.00	98.36	0.42	0.42	124.60	Sst. & Sh. Intercalated.		
					0.24	0.24	124.34	Sh.		
					1.10	1.12	125.96	Sst. & Sh. Intercalated.		
127.65	130.65	3.00	2.95	98.33	1.66	1.69	127.65	S t. Cgd.		
					2.67	2.72	130.37	-do-		
					0.23	0.26	130.65	Sst. Arrell.		
130.65	133.65	3.00	2.90	99.33	0.26	0.26	130.91	-do-		
					2.72	2.74	133.65	Sst. Cgd.		
133.65	139.60	2.95	2.95	100.00	2.95	2.95	139.60	-do-		
139.60	142.60	3.00	2.62	97.33	0.70	0.80	140.40	-do-		
					0.45	0.51	140.91	Sh.		

XVII.

Fr., Sl., P

1	2	3	4	5	6	7	8	9	10	11
142.60	145.25	2.65	2.49	93.90	1.15	1.22	143.02	Sst. Fgd. with Sh. Bands.		Br.
					0.41	0.44	144.26	Sst. Cgd.		Br., Sl.
					0.93	0.99	145.25	Sst. Fgd.		Fr., Sl.
								-do-		
145.25	140.25	3.00	2.92	97.33	0.40	0.42	145.67			
					1.21	1.25	146.92	Sst. & Sh. Intercalated.		
					0.29	0.29	147.21	Csh.		
					0.53	0.60	147.01	Sst. Mgd. with Sh. Bands.		
					0.37	0.37	140.10	Sst. & Sh. Intercalated.		
					0.07	0.07	140.25	Sst. Cgd.		
					2.50	2.50	150.75	Sst. Mgd. with Sh. Bands.		
140.25	150.75	2.50	2.50	100.00	0.12	0.12	150.30	-do-		
150.75	153.75	3.00	3.00	100.00	0.40	0.35	151.20	Sst. & Sh. Intercalated.		
					0.50	0.43	151.70	F. + P.		
					0.20	0.17	152.00	Sh. (Baked).		
					0.60	0.60	152.00	M. P. + Csh. (Baked).		
					0.07	0.93	153.25	M. P.		

1	2	3	4	5	6	7	8	9	10	11
153.75	156.75	3.00	3.00	100.00	1.50	1.50	155.25	W. P.		
					0.27	0.27	156.22	CSH.		
					0.41	0.41	156.63	Sst. & Sh. Intercalated.		
156.75	157.75	1.00	0.24	24.00	0.12	0.12	156.75	Sst. lrgd.		
					0.30	0.32	157.07	-do-		
					0.21	0.23	157.30	Sst. & Sh. Intercalated.		
157.75	157.75	2.00	1.70	0.00	0.43	0.45	157.75	Sh.		
					0.14	0.14	157.00	-do-		
					0.10	0.10	158.00	Sst. ARGILL.		
					0.56	0.60	158.60	C O A L.		
					0.23	0.20	158.20	Sh.		
157.75	162.25	2.50	2.26	20.40	0.67	0.70	157.75	Sst. & Sh. Intercalated.		
					0.34	0.23	157.60	Sst. ARGILL.		
					0.57	0.63	160.31	Sst. & Sh. Intercalated.		
162.25	165.25	3.00	3.00	100.00	0.35	0.24	162.25	Sst. lrgd.		
165.25	168.30	3.05	3.01	20.60	3.00	3.00	165.25	Sst. Cgd. to Grit.		
					2.02	2.05	168.30	Grit.		
168.30	171.35	3.05	2.29	23.02	0.19	0.20	168.30	Sh.		
					1.10	1.12	169.42	C O A L.		
					0.56	0.57	169.20	Sst. ARGILL.		

1	2	3	4	5	6	7	8	9	10	11
171.35	174.00	2.65	2.47	23.21	1.34	1.97	173.32	Bst. & Sh. Intercalated.		
					0.63	0.60	174.00	Bst. Mgd.		
174.00	177.00	3.00	2.04	24.67	1.65	1.74	175.74	Bst. Argill.		
					0.55	0.50	176.32	Bst. & Sh. Intercalated.		
					0.64	0.60	177.00	Bst. Mgd.		
177.00	180.00	3.00	2.05	25.00	0.47	0.49	177.49	-do-		
					2.33	2.51	180.00	Bst. & Sh. Intercalated.		
180.00	182.70	2.70	2.55	24.44	0.43	0.45	180.45	-do-		
					1.55	1.60	182.13	Bst. Mgd.		
					0.37	0.39	183.52	Sh. with aren Bands.		
					0.16	0.10	182.70	Bst. Mgd.		
182.70	185.35	2.65	2.59	27.74	2.05	2.65	185.35	Bst. Mgd. with Sh. Bands.		
185.35	187.05	2.50	2.36	24.40	1.09	1.16	186.51	Bst. Mgd.		
					1.07	1.13	187.64	Bst. & Sh. Intercalated.		
					0.20	0.21	187.85	Sh.		
187.05	190.90	3.05	1.93	63.20	0.13	0.21	188.06	-do-		
							189.79	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
120.90	193.90	3.00	2.00	66.67	0.24	0.30	109.17	Sh.		
					0.01	1.20	190.45	Sst. & Sh. Intercalated.		
					0.29	0.45	190.90	Sst. Hgd.		
					0.01	1.21	192.11	-do-		
					0.45	0.68	192.77	Sst. Cgd.		
					0.34	0.51	193.30	Sh.		
123.90	195.00	1.10	1.10	100.00	0.40	0.60	193.90	Sst. & Sh. Intercalated.		
					0.30	0.60	194.70	Sst. Hgd. with Sh. Bands.		
					0.22	0.22	195.00	Sh.		
125.00	196.90	1.90	1.90	100.00	1.00	1.00	196.00	Sst. & Sh. Intercalated.		
					0.90	0.90	196.90	C O A L.		
126.90	199.55	2.65	2.57	96.90	0.25	0.26	197.16	-do-		
					1.04	1.07	190.23	Sh. with aren Bands.		
					0.12	0.12	193.35	S.C.		
					0.41	0.42	193.77	Sst. Arfill.		
					0.75	0.70	199.59	Sst. & Sh. Intercalated.		
129.55	202.55	3.00	2.99	99.66	0.90	0.90	200.45	Sst. Hgd.		
					0.36	0.36	200.01	Sh.		
					1.73	1.74	202.55	Sst. Hgd.		
202.55	205.55	3.00	3.00	100.00	3.00	3.00	205.55	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
DEVIATION DRILLING STARTED FROM 131.50 METRES TO 191.15 METRES.										
131.50	133.25	1.75	0.23	13.14	0.23	1.75	133.25	Sst. Mgd.		
133.25	134.25	1.00	0.91	91.00	0.91	1.00	134.25	Sst. Argill.		
134.25	137.25	3.00	2.09	96.33	2.20	2.20	136.53	Sst. Mgd.		
					0.69	0.72	137.25	Sst. & Sh. Intercalated.		
137.25	139.00	0.75	0.75	100.00	0.75	0.75	139.00	-do-		
139.00	139.60	1.60	1.55	96.35	0.14	0.14	139.14	Sst. Cgd.		
					0.30	0.39	139.53	Sh.		
					1.03	1.07	139.60	C O A L.		
139.60	191.15	1.55	1.52	93.06	0.10	0.10	139.70	Csh.		
					0.16	0.16	139.86	C O A L.		
					0.16	0.16	190.02	Csh.		
					0.50	0.51	190.53	Sst. & Sh. Intercalated.		
					0.60	0.62	191.15	Sst. Mgd.		

BOREHOLE CLOSED AT THE DEPTH OF 205.55 METRES ON 9.1.1961.

DETAILS OF COAL SEAMS ENCOUNTERED

IN BORE HOLE NO. MD - 38.

(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
XVIIIC	31.55	35.15	3.60	
XVIIIB	37.67	42.69	3.02	
Local	48.56	49.40	0.84	
XVIIIA	50.09	53.45	3.36	
XVII	56.43	58.50	2.07	
Local (L-9)	65.51	66.60	1.09	
Local	67.55	68.15	0.60	
XVIIA	86.58	92.92	6.34	C, Th, M.P.
Local	101.90	102.55	0.65	
Local	118.25	118.89	0.64	
XVII	120.57	124.00	3.43	Th. + M.P.
Local (L-6)	151.22	155.25	4.03	Th, M.P.
Local (L-5)	158.08	158.70	0.62	
Local (L-4)	168.30	169.42	1.12	
Local (L-3)	188.06	188.79	0.73	
Local (L-2)	196.00	197.16	1.16	

B O R E H O L E N O. S D - 1.

II/641

Latitude : 19732.0283

R. L. of Collar : 180.92 m.

Commenced on : 5.12.1977

Departure : 21938.3269

Depth Drilled : 497.30 m.

Completed on : 22.2.1978

All dimensions in metre:

R U N	From	To	Thickness	RECOVERY		THICKNESS		Depth of Floor	L I T H O L O G Y	Seen Corro- sion Features.	Structural Features.
				Recovered	Percent	Recovered	Extrapolated				
	1	2	3	4	5	6	7	8	9	10	11
0.00	3.00	3.00	-	-	-	-	-	3.00	Sandy soil		Weathered zone
3.00	6.00	6.00	-	-	-	-	-	6.00	Sandy Soil		
6.00	6.60	0.60	0.51	85.0	0.13	0.20	0.20	6.20	SST. Mgd. (Weathered)		
					0.30	0.30	0.30	6.50	S h. (Weathered)		Br., Fr.
					0.08	0.10	0.10	6.60	SST. F gd.		
6.60	8.00	1.40	0.28	20.0	0.09	0.90	0.90	7.50	SST. Mgd. (Weathered)		
					0.07	0.10	0.10	7.60	Sh. Aren.		
					0.02	0.20	0.20	7.80	SST. F gd.		
					0.10	0.20	0.20	8.00	Sh. Aren.		
8.00	9.15	1.15	1.00	87.00	1.80	1.15	1.15	9.15	M.P. (Weathered)		
9.15	12.05	2.90	0.78	27.00	0.62	0.70	0.70	9.85	SST. Mgd.		
					0.02	2.05	2.05	11.90	C O A L		Br.
					0.14	0.15	0.15	12.05	SST. Mgd.		Very hard Comp.
12.05	14.55	2.50	1.98	79.00	1.98	2.50	2.50	14.55	SST. Mgd.		Very hard Comp. silicified, Fr.

1	2	3	4	5	6	7	8	9	10	11
14.55	16.25	1.70	1.70	100.0	0.06	0.86	15.41	SST. Fgd.		Siltified, Irregular. Fr.
16.25	16.55	0.30	0.15	50.0	0.15	0.30	16.25	SST. Fgd.		Br.
16.55	18.80	2.25	1.65	73.0	0.25	0.40	16.95	SST. Fgd.		Br.
					1.40	1.85	18.80	St.		Fr. 215° along dip C.D. 30°
18.80	20.05	1.25	1.10	88.0	1.10	1.25	20.05	St.		C.D. 30°
20.05	20.80	0.75	0.60	80.0	0.60	0.75	20.80	SST. Fgd.		Fr. 40°, C.D.
20.80	23.25	2.45	2.45	100.0	2.45	2.45	23.25	St. Aren.		St., Fr. 60° acc dip
23.25	26.00	2.75	2.75	100.0	2.30	2.30	25.55	St. Aren.		
					0.45	0.45	26.00	SST. Fgd.		
26.00	29.05	3.05	2.65	87.00	0.90	1.10	27.10	SST. Fgd. with St. laminae		
29.05	32.15	3.10	2.60	84.0	1.75	1.95	29.05	St. Aren.		
					1.25	1.60	30.65	St. Aren.		G.D. 20° Fr. at across the d
32.15	35.20	3.05	3.05	100.0	1.35	1.50	32.15	SST. Mgd.		
					2.75	2.75	34.90	SST. Mgd.		
					0.30	0.30	35.20	SST. Fgd.		St., Fr. across dip at 70° C.I
35.20	36.20	1.00	0.75	75.00	0.75	1.00	36.20	SST. Fgd.		G.D. 30° Fr at along the dip
36.20	38.20	2.00	1.60	80.0	0.65	0.90	37.10	SST. Mgd. with quartz pebble in the middle.		

1	2	3	4	5	6	7	8	9	10	11
38.20	40.20	2.00	2.00	100.0	0.95	1.10	38.20	Sh. Aren.		
40.20	41.25	1.05	1.00	95.0	2.00	2.00	40.20	SST. Fgd. with Sh. Laminae		
41.25	44.25	3.00	2.93	93.00	1.00	1.05	41.25	SST. Mgcl.		
					0.75	0.75	42.00	SST. Mgcl.		
					2.18	2.25	44.25	SST. Fgd.		
44.25	47.25	3.00	3.00	100.0	1.30	1.30	45.55	SST. Fgd.		
					1.70	1.70	47.25	Sh. Aren.		
47.25	49.70	2.45	2.40	98.0	2.40	2.45	49.70	Sh. Aren.		
49.70	50.95	1.25	1.17	94.0	1.17	1.25	50.95	Sh.		
50.95	51.20	0.25	0.20	80.0	0.20	0.25	51.20	Sh.		
51.20	52.60	1.40	0.85	61.0	0.45	0.65	51.35	Sh.		
					0.40	0.75	52.60	C O A L		
52.60	53.60	1.00	0.90	90.0	0.90	1.00	53.60	Sh. Aren.		
53.60	54.20	0.60	0.50	83.0	0.50	0.60	54.20	SST. & Sh. Interbedded		
54.20	56.40	2.20	2.05	93.0	1.30	1.40	55.60	SST. Fgd.		
					0.75	0.80	56.40	Sh. Aren.		
56.40							57.80	SST. & Sh. Interbedded		

XVIII C
(R.F.)

Sh., Fr., Fr at
along the dip.
30°

C.D. 40° Fr at
along the dip.
Fr. at 50° across
the dip. C.D. 60°

C.D. 30°

C.D. 35°

C.D. 40° Fr. across
the dip 70°

C.D. 30° Fr. at
bottom at 50°
the dip.
Fr. 55° across
dip, C.D. 30°

1	2	3	4	5	6	7	8	9	10	11
58.40	58.90	0.50	0.50	100.0	0.50	0.50	58.90	SST. Med.		
59.90	60.90	2.00	1.04	92.0	0.68	0.70	59.60	SST. Med. with Sh. Laminar		C.D. 30°
					0.15	0.15	59.75	Sh. Aren.		
					0.35	0.40	60.15	Csh.		
										Fr at 50° across the C.D. is 30°
					0.66	0.75	60.90	C O A L		
60.90	62.25	1.35	1.15	85.0	1.15	1.35	62.25	C O A L		Fr. along the dip at 70° Core broken, dip 40°
62.25	63.50	1.25	1.06	85.0	0.41	0.50	62.75	C O A L		Core broken.
										Fr. across the dip at C.D. 30°. Core Hbr.
63.50	65.00	1.50	1.11	74.0	0.65	0.75	63.50	SST. & Sh. Interbedded		C.D. 30°
					0.25	0.30	63.80	Sh.		
65.00	68.00	3.00	2.20	73.0	0.86	1.20	65.00	SST. Med. with Sh. Laminar SL.		
					0.28	0.30	65.30	SST. Med.		
					0.12	0.15	65.45	Sh.		
					0.30	0.40	65.85	SST. Fgd.		
					1.50	2.15	68.00	COAL with minor Csh. at the top		SL., Fr. along the dip at 30° C.D. 30°
68.00	71.00	3.00	2.36	79.00	0.20	0.40	68.40	C O A L		Fr. at 80° across the dip C. Hbr.
					0.55	0.70	69.10	SST. & Sh. Interbedded		
					0.60	0.80	69.90	Sh. Aren.		
					0.56	0.60	70.50	SST. & Sh. Interbedded		

1	2	3	4	5	6	7	8	9	10	11
71.00	73.00	2.00	1.73	87.0	0.45 0.50 0.53	0.50 0.60 0.60	71.00 71.60 72.20	Sh. Sh. COAL		
73.00	74.90	1.90	1.90	100.0	0.70 1.90	0.80 1.90	73.00 74.90	Sh. COAL		
74.90	75.25	0.35	0.29	83.0	0.17 0.12	0.20 0.15	75.10 75.25	COAL Sh.		
75.25	76.55	1.20	1.14	88.0	0.29 0.75 0.10	0.30 0.35 0.15	75.55 76.40 76.55	Csh. COAL Sh.		
76.55	79.60	3.05	3.02	99.0	0.70	0.70	77.25	Sh. Aren. with Coal laminae at places		
79.60	82.00	2.40	2.17	90.0	2.32 1.30 0.42	2.35 1.40 0.50	79.60 81.00 81.50	SST. & Sh. Intercalated SST. & Sh. Intercalated COAL		
82.00	85.00	3.00	2.53	84.0	0.45 0.40 0.44 0.24	0.50 0.45 0.50 0.30	82.00 82.45 82.95 83.25	Csh. with Coal laminae & 4 ms. sideritic band in the middle Csh. Csh. with Coal laminae Sh. with Coal laminae		

Local

XVIII

C.D. 30° Fr. across the dip at 45°
Hbr.

C.D. 35° Fr. across the dip at 50°. Br.

Br.

Fr. across the dip at 50° C.D. 40°

Br., Fr. across the dip at 70° C.D. 30°

C.D. 30°

1	2	3	4	5	6	7	8	9	10	11
85.00	87.00	2.00	1.65	83.0	0.67	0.70	85.70	SST. & Sh. Interband		
					0.15	0.15	85.85	SST. Fgd.		
					.0.65	0.90	86.75	C O A L.		
87.00	87.65	0.65	0.60	92.00	0.22	0.25	87.00	Gsh.		
					0.60	0.65	87.65	Sh. Aren.		
87.65	90.65	3.00	2.88	96.00	0.38	0.40	88.05	Sh. Aren.		
					1.75	1.85	89.90	SST. Fgd. with Sh. Laminas		
					0.75	0.75	90.65	Sh.		
90.65	93.70	3.05	2.84	93.00	0.26	0.30	90.95	Sh. Aren.		
					0.95	0.95	91.90	SST. & Sh. Interband		
					0.45	0.45	92.35	Sh.		
					1.18	1.35	93.70	SST. & Sh. Interband		
93.70	96.00	2.30	2.12	92.0	0.30	0.35	94.05	Sh.		
					0.50	0.50	94.55	SST. & Sh. Interband		
								SST. siderite.		
					0.22	0.30	94.85	C O A L.		
					0.25	0.25	95.10	Sh. Aren.		
					0.85	0.90	96.00	SST. & Sh. Interband		
96.00	99.10	3.10	3.01	97.0	0.22	0.25	96.25	Sh. Aren.		
					1.85	1.85	98.10	SST. & Fgd. with Sh. Laminas		

Local (L-9)
Br., Fr. across the dip
at 60° C.D. 40°

SST: Sh. C.D. 30°
60°; 40°

C.D. 30°

Br., C.D. 35°

C.D. 30°

1	2	3	4	5	6	7	8	9	10	11
111.35	114.40	3.05	3.04	99.7	1.34	1.35	112.70	SST. Argill.		
					0.90	0.95	113.65	Sh. Aren.		
					0.70	0.75	114.40	SST. & Sh. Interbedded		
114.40	117.45	3.05	3.04	99.7	1.70	1.71	116.11	Sh. Aren.		
					0.42	0.42	116.53	SST. Med. with quality pebble at the bottom.		
					0.70	0.70	117.23	Sh. Aren.		
					0.10	0.10	117.33	C O A L		
					0.12	0.12	117.45	Sh. Aren.		
117.45	120.45	3.00	2.60	86.7	0.20	0.25	117.70	Sh. Aren.		
					0.15	0.15	117.85	SST. Flyd.		
					0.10	0.10	117.95	C O A L		
					0.50	0.50	118.45	Sh. Aren.		
					1.65	2.00	120.45	SST. Med.		
120.45	123.45	3.00	3.00	100.0	3.00	3.00	123.45	SST. Med.		

G. D. 30°

BORE HOLE NO. SD - 1.

1	2	3	4	5	6	7	8	9	10	11
123.45	126.55	3.10	3.05	98	3.05	3.10	126.55	SST. Mg ^d .		
126.55	129.60	3.05	2.94	96	2.94	3.05	129.60	SST. Mg ^d .		
129.60	132.60	3.00	2.89	96	2.89	3.00	132.60	SST. Mg ^d .		
132.60	135.65	3.05	2.80	92	0.48	0.60	133.20	SST. Mg ^d .		
					1.37	1.50	134.70	G O A L		
					0.12	0.12	134.82	Sh.		
					0.33	0.33	135.15	SST. Fgd. with Sh. lamineae		
					0.50	0.50	135.65	Sh.		
135.65	138.70	3.05	3.05	100	0.80	0.80	136.45	Sh.		
					0.10	0.10	136.55	SST. Mg ^d . Sideritic.		
					0.05	0.05	136.60	G O A L		
					2.10	2.10	138.70	Sh. Aren.		
138.70	141.70	3.00	2.90	97	2.90	3.00	141.70	Sh. Aren.		
141.70	145.10	3.40	3.40	100	2.45	2.45	144.15	Sh. Aren.		
					0.95	0.95	145.10	SST. Fgd.		
145.10	148.00	2.90	2.72	93.7	1.04	1.15	146.25	SST. Fgd.		
					1.30	1.30	147.55	Sh. Aren.		
					0.38	0.45	148.00	SST. Fgd.		
148.00	151.00	3.00	2.65	88.3	2.15	2.50	150.50	SST. & Sh. Interbedded		
					0.50	0.50	151.00	SST. Fgd.		
151.00	154.10	3.30	2.95	89.4	0.40	0.50	151.50	SST. Fgd.		

Local (L-7)
Fr. at 60° across the
dip is 40°

1	2	3	4	5	6	7	8	9	
154.30	155.30	1.00	1.00	100.0	0.84	0.84	155.14	SST. & Sh. Intercalated	
155.30	158.55	3.25	3.25	100.0	0.35	0.35	155.65	Sh.	
					0.90	0.90	156.55	SST. Fgd.	
					0.90	0.90	157.45	Sh.	
158.55	161.	3.10	3.07	99.0	1.10	1.10	158.55	SST. Fgd. with Sh. laminae.	
					1.12	1.15	159.70	SST. Fgd. with Sh. laminae.	
					1.35	1.35	161.05	C O A L	
					0.15	0.15	161.20	Sh.	
					0.45	0.45	161.65	C O A L	
161.65	163.35	1.70	1.60	94.0	1.60	1.70	163.35	C O A L	
163.35	165.65	2.30	2.20	95.7	2.20	2.30	165.65	C O A L	
165.65	167.65	2.00	1.78	89.0	0.28	0.35	166.00	C O A L	
					0.35	1.00	167.00	Sh.	
					0.35	0.35	167.35	SST. Fgd.	
					0.30	0.30	167.65	Sh.	
167.65	170.65	3.00	2.70	90.0	0.10	0.10	167.75	Sh.	
					2.60	2.90	170.65	SST. Fgd. with Sh. laminae.	

XVII A

Br., C.D. 20°

Br., Fr. at 70° across the dip, C.D. 20°

-do-

Sh., Fr. at 50° across the dip, C.D. 30°

1	2	3	4	5	6	7	8	9	10	11
170.65	173.70	3.05	2.84	93.0	0.06	0.06	170.71	SST. Fgd.		Baked
					0.50	0.50	171.21	M.F.		
					0.40	0.45	171.66	SST. Fgd. Argil.		Baked
					0.31	0.31	171.97	M.F.		
					1.15	1.23	173.20	SST. Mgd.		
					0.04	0.05	173.25	Jn.		
					0.13	0.15	173.40	SST. Mgd.		
					0.25	0.30	173.70	C O A L		Br.
173.70	176.75	3.05	2.95	96.7	0.60	0.70	174.40	C O A L		
					1.30	1.30	175.60	Sh.		
					1.15	1.15	176.75	SST. Fgd. with Sh. laminae		
176.75	179.25	2.50	2.35	94.0	0.56	0.60	177.35	SST. F gd. with Sh. laminae		
					1.52	1.60	178.95	Sh.		
					0.27	0.30	179.25	SST. Fgd.		
179.25	180.00	0.75	0.72	96.0	0.72	0.75	180.00	SST. F gd. with Sh. laminae		
180.00	182.40	2.40	1.15	48.0	1.15	2.40	182.40	SST. F gd.		
182.40	183.55	1.15	1.15	100.0	1.15	1.15	183.55	SST. Fgd.		
183.55	186.65	3.10	2.93	94.5	0.90	1.00	184.55	SST. Mgd.		
					0.06	0.10	184.65	C O A L		
					0.52	0.55	185.20	Sh. Aren.		
					1.45	1.45	186.65	SST. Fgd.		

Fr. at 70° across the

1	2	3	4	5	6	7	8	9	
186.65	189.65	3.00	2.92	97.3	1.34	1.40	188.05	SST. Fgd.	
					0.60	0.60	188.65	Sh.	
					0.98	1.00	189.65	SST. Fgd.	
189.65	192.70	3.05	2.86	93.8	0.82	0.95	190.60	SST. Fgd.	
					0.34	0.35	190.95	Csh.	
					0.40	0.45	191.40	C O A L	
					0.87	0.87	192.27	Csh.	
					0.43	0.43	192.70	SST. Fgd.	
192.70	195.75	3.05	2.93	96.0	0.23	0.25	192.95	SST. Fgd.	
					0.25	0.25	193.20	Sh.	
					0.77	0.77	193.97	M.F.	
					1.68	1.78	195.75	Jh. wd th M.F. + Csh.	
195.75	198.65	2.90	2.81	97.0	1.15	1.20	196.95	Jh.	
					0.13	0.13	197.08	Csh.	
					0.68	0.68	197.76	SST. Argil.	
					0.85	0.89	198.65	SST. Fgd.	
198.65	201.75	3.10	3.10	100.0	3.10	3.10	201.75	SST. Fgd.	
201.75	204.85	3.10	3.10	100.0	0.43	0.43	202.18	SST. Fgd.	
					0.87	0.87	203.05	Sh. Aren.	
					1.80	1.80	204.85	SST. Fgd.	
204.85	207.65	2.80	2.80	100.0	2.80	2.80	207.65	SST. Fgd.	

Local

Baked

XVII.

Csh. baked
Br. Irregular Fr,
C.D. 20
Baked

1	2	3	4	5	6	7	8	9	10	11
207.65	210.65	3.00	2.71	90.3	2.33	2.60	210.25	SST. Pegd.		
					0.38	0.40	210.65	Sh.		
210.65	211.65	1.00	0.95	95.0	0.58	0.60	211.25	Sh.		
					0.25	0.25	211.50	SST. Pegd.		
					0.12	0.15	211.65	Sh.		
211.65	214.65	3.00	2.79	93.0	1.10	1.20	212.85	SST. Pegd.		Fr., SL., Hbr.
					0.25	0.25	213.10	Sh.		
					1.44	1.55	214.65	SST. Pegd.		
214.65	217.65	3.00	2.97	99.0	0.30	0.33	214.98	SST. Pegd.		
					0.85	0.85	215.83	Sh.		
					0.31	0.31	216.14	Csh.		Baked.
					0.60	0.60	216.74	Jh. with M.P.		
					0.29	0.29	217.03	M.P.		
					0.13	0.13	217.16	Csh.		Baked.
					0.49	0.49	217.65	M.P.		
217.65	220.75	3.10	3.08	99.3	0.62	0.62	218.27	M.P.		
					0.66	0.66	218.93	Jh. with M.P.		C.D. 40°
					0.27	0.27	219.30	M.P.		
					0.47	0.47	219.67	Csh.		Baked.
					0.58	0.58	220.25	Sh.		
					0.48	0.50	220.75	Sh. Artn.		

Local (L-6)

1	2	3	4	5	6	7	8	9	10	11
220.75	222.50	1.75	1.64	93.7	0.87	0.95	221.70	SST. Pgd.		
					0.60	0.60	222.30	Csh.		
					0.77	0.20	222.50	Sh.		
222.50	225.55	3.05	2.93	96.0	1.95	2.05	224.55	SST. Pgd.		
					0.65	0.65	225.20	C O A L		
					0.06	0.06	225.26	Sh.		
					0.27	0.29	225.55	Sh.		
225.55	227.05	1.50	1.43	95.3	1.43	1.50	227.05	Sh.		
227.05	229.55	2.50	2.35	94.0	0.49	0.55	227.60	Sh.		
					0.96	1.05	228.65	SST. & Sh. Interbedded		
					0.90	0.90	229.55	SST. Mgd.		
229.55	231.55	2.00	2.00	100.0	2.00	2.00	231.55	SST. Mgd.		
231.55	233.05	1.50	1.50	100.0	1.50	1.50	233.05	SST. Mgd.		
233.05	236.05	3.00	2.95	90.3	2.95	3.00	236.05	SST. Mgd.		
236.05	239.05	3.00	2.52	84.0	1.20	1.45	237.50	SST. Mgd. with quartz pebble at the bottom		
					0.32	0.40	237.90	Sh.		
					0.05	0.05	237.95	Csh.		
					0.95	1.10	239.05	C O A L		
239.05	242.10	3.05	2.70	88.5	0.20	0.25	239.30	C O A L		
					1.15	1.25	240.55	Sh.		

Local

Pr. at 70° across the dip. C.D. 150

Local (L-5)

Br., VF. C.D. 30°

BORE HOLE NO. SD - 1.

1	2	3	4	5	6	7	8	9	10	11
242.10	243.95	1.85	1.60	86.5	1.35	1.55	242.10	SST. Fgd. with Sn. Lamineae		
243.95	245.55	1.60	1.60	100.0	1.60	1.85	243.95	SST. Fgd. with Sn. Lamineae		
245.55	246.90	1.35	1.25	92.6	1.13	0.15	245.70	SST. Fgd. with Sn. Lamineae		
					0.15	0.15	245.85	Sn.		
					0.42	0.50	246.35	SST. Arell.		
					0.30	0.30	246.65	Sn.		
					0.25	0.25	246.90	COAL		
246.90	248.35	1.45	1.37	94.5	0.45	0.50	247.40	COAL		
					0.92	0.95	248.35	Sn.		
248.35	251.35	3.00	3.00	100.0	0.05	0.05	248.40	COAL		
					0.80	0.80	249.20	Sn.		
					2.03	2.03	251.23	SST. Fgd.		
					0.02	0.02	251.25	COAL		
					0.10	0.10	251.35	Sn.		
251.35	254.35	3.00	3.00	100.0	0.35	0.35	251.70	Sn.		
					2.65	2.65	254.35	SST. Fgd.		
254.35	257.35	3.00	2.78	92.7	2.78	3.00	257.35	SST. Fgd.		
257.35	258.85	1.50	1.50	100.0	1.43	1.43	258.78	SST. Fgd.		
					0.07	0.07	258.85	Sn.		
258.85	260.80	1.95	1.95	100.0	0.60	0.60	259.45	SST. Fgd.		

Local (L₄) D. 20°

Br, Irregular Fr. C. D. 3

1	2	3	4	5	6	7	8	9	10	11
260.80	263.80	3.00	2.98	99.3	1.35	1.35	260.80	Sh. Aren.		
263.80	264.50	0.70	0.67	95.7	1.29	1.30	262.10	Sh. Aren.		
264.50	265.30	0.80	0.74	92.50	1.69	1.70	263.80	SST, Fgd.		
					0.67	0.70	264.50	Sh. Aren.		
					0.44	0.50	265.00	Sh. Aren.		
					0.05	0.05	265.05	C O A L		
					0.25	0.25	265.30	Sh.		
265.30	266.90	1.60	1.57	98.0	0.40	0.40	265.70	Csh.		
					1.05	1.05	266.75	C O A L		
					0.12	0.15	266.90	Sh.		
266.90	269.40	2.50	2.32	92.8	0.60	0.60	267.50	Sh.		
					0.65	0.70	268.20	SST, Fgd.		
					1.07	1.20	269.40	SST. & Sh. Intercalated		
269.40	270.40	1.00	1.00	100.0	1.00	1.00	270.40	SST. & Sh. Intercalated		
270.40	273.40	3.00	3.00	100.0	0.77	0.77	270.57	SST. & Sh. Intercalated		
					0.49	0.49	271.06	SST, Mgd.		
					0.23	0.23	271.29	Sh.		
					2.11	2.11	273.40	SST, Fgd. with Sh. Laminæ		
273.40	276.40	3.00	2.93	97.7	0.56	0.58	273.98	SST, Fgd. with Sh. Laminæ		
					0.20	0.20	274.18	Sh.		
					0.42	0.42	274.60	Sc. + Csh.		

Local.

C.D. 25°

Local.

BORE HOLE NO. SD - 1.

1	2	3	4	5	6	7	8	9	10	11
276.40	277.50	1.10	1.10	100.0	0.60	0.60	277.00	Sh.		
277.50	279.50	2.00	1.98	99.0	1.98	2.00	279.50	SST. Med.		
279.50	282.55	3.05	3.05	100.0	3.05	3.05	282.55	SST. Med.		
282.55	285.60	3.05	3.00	98.4	2.90	2.95	285.50	SST. Med.		
					0.02	0.02	285.52	Quartz Pebble.		
					0.08	0.08	285.60	Sh. Aren.		
285.60	286.50	0.90	0.89	98.9	0.89	0.90	286.50	Sh. Aren.		
286.50	288.60	2.10	2.10	100.0	1.05	1.05	287.55	Sh. Aren.		
					1.05	1.05	288.60	C O A L with Csn.		
									XVI DE	
288.60	291.00	2.40	2.36	98.3	0.06	0.10	288.70	C O A L		
					0.40	0.40	289.10	Sh. Aren.		
					0.10	0.10	289.20	C O A L		
					0.30	0.30	289.50	Sh.		
					1.50	1.50	291.00	SST. & Sh. Intercalated		
291.00	291.80	0.80	0.79	98.75	0.79	0.80	291.80	SST. & Sh. Intercalated		
291.80	294.60	2.80	2.80	100.0	1.00	1.00	292.80	SST. & Sh. Intercalated		
					1.80	1.80	294.60	SST. Med. with Sh. laminae at the bottom		

Br., Rt. across the d
at 70° C.D. 20°

1	2	3	4	5	6	7	8	9	10	11
294.60	297.90	3.30	2.90	87.9	1.10	1.25	295.85	SST. & Sh. Intercalated		
					0.50	0.55	296.40	Sh.		
					0.10	0.10	296.50	C O A L		
					1.10	1.25	297.75	SST. & Sh. Intercalated		
					0.10	0.15	297.90	SST. Mg'd.		
297.90	301.00	3.10	3.00	96.6	3.00	3.10	301.00	SST. Mg'd.		
301.00	304.00	3.00	2.88	96.0	2.18	2.25	303.25	SST. Mg'd.		
					0.70	0.75	304.00	SST. & Sh. Intercalated		
304.00	306.00	2.00	1.85	92.50	0.17	0.17	304.17	Sh.		
					0.17	0.17	304.34	Gsh.		
					0.16	0.20	304.54	C O A L		
					0.35	0.36	304.90	Gsh.		
					1.00	1.10	306.00	St. Iron.		
306.00	306.80	0.80	0.80	100.0	0.80	0.80	306.80	SST. & Sh. Intercalated		
306.80	309.80	3.00	3.00	100.0	0.40	0.40	307.20	SST. & Sh. Intercalated		
					1.50	1.50	308.70	Sh.		
					0.90	0.90	309.60	Sh. Iron.		
					0.20	0.20	309.80	Gsh.		
309.80	312.85	3.05	3.05	100.0	0.10	0.10	309.90	Gsh.		
					0.20	0.20	310.10	C O A L		
					0.12	0.12	310.22	Gsh.		

Sl., Fr. at 50°

BOOKS H.Q.E. NO. SD - 1.

									D	
1	2	3	4	5	6	7	8	9		11
312.85	315.85	3.00	2.98	99.3	1.30	1.32	314.77	C O A L		
					0.20	0.20	314.37	St.		
					1.48	1.48	315.85	SST. S St. Interced		
315.85	318.85	3.00	2.95	98.3	1.00	1.05	316.90	St.		
					0.30	0.30	317.20	SST. Fgd.		
					1.15	1.15	318.35	St.		
					0.50	0.50	318.85	SST. Fgd.		
318.85	321.55	2.70	2.63	97.4	1.88	1.95	320.80	SST. Fgd.		
					0.75	0.75	321.55	Csh.		
321.55	324.60	3.05	3.05	100.0	0.25	0.25	321.80	Csh.		
					2.80	2.80	324.60	C O A L		
324.60	326.80	2.20	2.20	100.0	1.25	1.25	325.85	C O A L		
					0.15	0.15	326.00	St.		
					0.15	0.15	326.15	Csh.		
					0.10	0.10	326.25	C O A L		
					0.50	0.50	326.75	St. Aren.		
					0.05	0.05	326.80	SST. Fgd.		
							328.40	St.		

XVI C

Vf., C. D. 25°

XVI AB

Fr.
C. D. 30°

1	2	3	4	5	6	7	8	9	10	11
329.85	331.40	1.55	1.52	98.0	1.45	1.45	329.85	SST. Fgd. with Sn. laminae		
					1.17	1.20	331.05	SST. Fgd. with Sn. laminae with Quartz pebble in the middle.		
331.40	333.80	2.40	2.18	90.8	0.35	0.35	331.40	S.		
					0.50	0.60	332.00	Sn.		
333.80	336.70	2.90	2.83	97.6	1.68	1.80	333.80	SST. Fgd.		
					0.50	0.50	334.30	Sn.		
					1.14	1.20	335.50	SST. Mgd.		
					0.49	0.50	336.00	Sn.		
					0.70	0.70	336.70	SST. Cgd.		
336.70	338.20	1.50	1.50	100.0	0.60	0.60	337.30	SST. Fgd.		
					0.65	0.65	337.95	Sn.		
					0.25	0.25	338.30	C O A L		
338.20	339.70	1.50	1.50	100.0	0.55	0.55	338.75	C O A L		
					0.15	0.15	338.90	Cst.		
					0.80	0.80	339.70	Sn.		
339.70	342.75	3.05	3.04	99.7	1.95	1.95	341.65	SST. Fgd. with Sn. laminae at places		
					1.09	1.10	342.75	SST. Mgd.		
342.75	345.80	3.05	3.02	99.0	1.22	1.25	344.00	SST. Cgd. with Quartz pebble in the middle.		
					1.80	1.80	345.80	SST. Mgd.		

Local. Vt.

Fr. Core Dip 50°

BORE HOLE NO. 3D - 1.

1	2	3	4	5	6	7	8	9	10	11
345.80	348.85	3.05	3.05	100.0	3.05	3.05	348.85	SST. Mgd.		
348.85	351.65	2.80	2.45	87.5	0.45	0.55	349.40	SST. Mgd.		
					0.45	0.50	349.90	SST. Mgd.		
					0.90	1.00	350.90	SST. Mgd. - Qgd.		
					0.65	0.75	351.65	Sh.		
					0.18	0.35	352.00	Sc.		
351.65	354.65	3.00	2.63	87.7	2.45	2.65	354.65	Sh.		
354.65	355.65	1.00	0.60	60.0	0.60	1.00	355.65	Sh.		
355.65	358.35	2.70	2.70	100.0	0.04	0.04	355.69	Sh.		
					1.60	1.60	357.29	SST. Fgd.		
					0.25	0.25	357.54	Sh. Aren.		
					0.81	0.81	358.35	SST. Fgd. with Laminæ.		
358.35	359.35	1.00	0.87	87.0	0.12	0.15	358.50	SST. Fgd. with Sh. Laminæ		
					0.75	0.85	359.35	Sh.		
					0.41	0.45	359.80	Sh.		
359.35	361.65	2.30	2.12	92.2	0.24	0.25	360.05	Sh. with 0 - 1 lamination		
					0.37	0.40	360.45	Sh.		
					0.10	0.10	360.55	Sc.		
					1.00	1.10	361.65	Sh. Aren.		
							362.15	Sh. Aren.		

Fr. at 70° along the dip

XVI

Fr. along the dip at 70°
S. C. D. 30°
S., Fr. at 50° across the dip.

(Siderite)

1	2	3	4	5	6	7	8	9	10	11
364.55	367.55	3.00	2.95	98.3	2.95	3.00	367.55	SST. Mgd.	Fr. across the dip at: C.D. 20°	
367.55	370.55	3.00	3.00	100.0	3.00	3.00	370.55	SST. Mgd.		
370.55	373.55	3.00	3.00	100.0	3.00	3.00	373.55	SST. Mgd.		
373.55	376.55	3.00	3.00	100.0	3.00	3.00	376.55	SST. Mgd.		
376.55	377.55	1.00	1.00	100.0	1.00	1.00	377.55	SST. Mgd.	Fr. at 70°	
377.55	380.05	2.50	2.40	96.0	0.65	0.75	378.30	Sh. Aren.		
					1.75	1.75	380.05	SST. Cgd. - Mgd.		
380.05	383.05	3.00	2.92	97.3	2.87	2.95	383.00	SST. Frd. - Mgd. with Quartz pebble at the bottom		
					0.05	0.65	383.05	Sh.	Br., VI.	
383.05	385.55	2.50	2.43	97.2	1.48	1.50	384.55	Sh. Aren.		
					0.95	1.00	385.55	Jh.		
385.55	386.05	0.50	0.50	100.0	0.50	0.50	386.05	Jh.		
386.05	389.10	3.05	2.97	97.4	0.37	0.40	386.45	Sh.	Hbr. in the middle	
					2.60	2.65	389.10	Jh.		
389.10	392.10	3.00	2.89	96.3	2.05	2.10	391.20	Jh.		
					0.84	0.90	392.10	Sh.		
392.10	392.95	0.85	0.85	100.0	0.85	0.85	392.95	Sh.	XV	
392.95	395.15	2.20	2.20	100.0	0.50	0.50	393.45	Sh. Aren.		

1	2	3	4	5	6	7	8	9	10	11
395.15	398.20	3.05	3.05	100.0	0.70	0.70	395.85	SST. Med.		
					0.77	0.77	396.62	Sh. Aren.		
					1.58	1.58	398.20	SST. Fgd. with Sh. laminae		
398.20	401.25	3.05	3.00	98.4	0.31	0.35	398.55	St. places.		Baked
					0.11	0.12	398.67	Jh.		
					0.35	0.35	399.02	Cst.		Baked
					0.50	0.50	399.52	Jh.		
					0.33	0.33	399.85	Sh. with Pyrite band of 2 cms. at the bottom		
					1.40	1.40	401.25	Sh. Aren.		
401.25	403.10	1.85	1.80	97.3	1.80	1.85	403.10	Sh.		
403.10	404.30	1.20	0.95	79.2	0.42	0.55	403.65	Sh.		
					0.53	0.65	404.30	Jh.		
404.30	407.10	2.80	2.21	78.9	0.34	0.60	404.90	Sh.		Baked
					1.55	1.75	406.65	Jh.		
					0.22	0.25	406.90	Sh.		Baked
					0.10	0.20	407.10	Jh.		
407.10	410.10	3.00	2.92	97.3	0.07	0.10	407.20	Jh.		Br.
					0.95	0.95	408.15	Sh.		

Local.

XIV

1	2	3	4	5	6	7	8	9	10	11
410.10	410.60	0.50	0.47	94.0	0.98	0.98	409.60	St.	Local.	Baked
					0.45	0.50	410.10	Jh.		
					0.30	0.30	410.40	Cst.		
					0.17	0.20	410.60	Jh.		
410.60	413.70	3.10	2.83	91.3	0.08	0.10	410.70	Cst.		Baked
					1.60	1.70	412.40	St.		
					0.42	0.45	412.85	St. Area. with pyrite at the top.		
					0.45	0.45	413.30	SST. Fgd.		
					0.28	0.40	413.70	St. Area.		
413.70	416.70	3.00	2.89	96.3	1.10	1.20	414.90	SST. Fgd.		
					0.22	0.22	415.12	St.		
					0.70	0.70	415.82	SST. Fgd.		C.D. 30°
					0.08	0.08	415.90	St.		
					0.60	0.60	416.50	Cst.		VF.
					0.19	0.20	416.70	SST. Mgcl.		
416.70	419.75	3.05	2.85	93.4	2.85	3.05	419.75	SST. Mgcl.		
419.75	422.75	3.00	2.67	89.0	0.47	0.60	420.35	SST. Mgcl.		
					2.20	2.40	422.75	St.		
422.75	425.75	3.00	2.65	88.3	0.45	0.50	423.25	SST. Argill.		
					0.85	0.85	424.10	St.		

BORE HOLE NO. SD - 1.

1	2	3	4	5	6	7	8	9	10	11
425.75	427.75	2.00	1.75	87.5	1.35	1.65	425.75	SST. Mgd. with Sn. laminae.		
					0.50	0.50	426.25	SST. Fgd. with Sn. laminae		Vfr., SL., Br C.D. 30°
427.75	430.65	2.90	2.90	100.0	1.25	1.50	427.75	Sh.		-do-
					1.50	1.50	429.25	Sh.		
					1.40	1.40	430.65	SST. Fgd. with Sn. laminae		
430.65	432.15	1.50	1.50	100.0	1.50	1.50	432.15	Sh. Aren.		
432.15	433.35	1.20	1.18	98.3	1.18	1.20	433.35	Sh. Aren. with aren bands		
433.35	435.20	1.85	1.64	88.6	0.65	0.75	434.10	SST. Fgd. with Sn. laminae		
					0.05	0.05	434.15	Sh.		
					0.10	0.20	434.35	C O A L		Br. Crushed
					0.24	0.25	434.60	Sh.		VF.
					0.60	0.60	435.20	Sh. Aren.		VF.
435.20	437.85	2.65	2.60	98.1	2.60	2.65	437.85	SST. Fgd. - Mgd.		
437.85	440.90	3.05	2.92	95.7	1.70	1.80	439.65	SST. Fgd. - Mgd.		
					1.22	1.25	440.90	Sh.		
440.90	443.95	3.05	3.05	100.0	3.05	3.05	443.95	Sh.		
443.95	447.00	3.05	2.99	98.0	0.40	0.45	444.40	Sh.		
					1.65	1.65	446.05	SST. Fgd. with Sn. laminae		
					0.65	0.65	446.70	Sh.		
					0.29	0.30	447.00	SST. Fgd.		
							449.60	SST. Fgd. with Sn. laminae		

1	2	3	4	5	6	7	8	9	10	11
450.05	453.05	3.00	2.83	94.3	0.45	0.45	450.05	St.		VF., Br.
					1.83	2.00	452.05	St. Area.		
					0.40	0.10	452.45	SST. Tr-d.		
					0.60	0.60	453.05	St.		
453.05	453.85	0.80	0.70	87.5	0.70	0.80	453.85	Jh. + Gch.		Baked, Br.
453.85	454.45	0.60	0.50	83.3	0.50	0.60	454.45	Jh.		C.D. 30° Br.; Fr. at 45° against the dip
454.45	456.45	2.00	1.86	93.0	0.06	0.10	454.55	Jh.		
					1.80	1.90	456.45	St.		VF. Thor.
456.45	457.05	0.60	0.50	83.3	0.50	0.60	457.05	St.		
457.05	459.95	2.90	2.85	98.3	0.35	0.35	457.40	St.		VF.
					0.56	0.60	458.00	SST. Argill.		
					1.94	1.95	459.95	SST. Fgd. - Mgd.		
459.95	462.95	3.00	3.00	100.0	3.00	3.00	462.95	SST. Mgd. - Cgd.		
462.95	466.00	3.05	2.97	97.4	0.62	0.70	463.65	SST. Mgd. - Cgd.		
					2.35	2.35	466.00	SST. Cgd.		VF.
466.00	466.50	0.50	0.50	100.0	0.50	0.50	466.50	SST. Cgd.		
466.50	469.05	2.55	2.50	98.0	2.50	2.55	469.05	SST. Cgd.		Fr. at 45° against the dip
469.05	471.05	2.00	2.00	100.0	2.00	2.00	471.05	SST. Mgd.		
471.05	474.05	3.00	2.20	73.3	2.20	3.00	474.05	SST. Mgd.		
474.05	474.55	0.50	0.48	96.0	0.48	0.50	474.55	SST. Mgd.		
474.55	476.65	2.10	2.08	99.0	2.08	2.10	476.65	SST. Mgd.		

XI/XII
~~Boxed~~
(R.F.)

BORE HOLE NO. 3D - 1.

1	2	3	4	5	6	7	8	9	10	11
476.65	478.05	1.40	1.29	92.1	1.29	1.40	478.05	Sh.		Vfr.
478.05	480.05	2.00	2.00	100.0	2.00	2.00	480.05	Sh.		Vfr.
480.05	481.25	1.20	1.20	100.0	1.20	1.20	481.25	Sh.		Fr. at 45° against the dip. 10° Br.
481.25	482.05	0.80	0.65	81.2	0.65	0.80	482.05	Sh.		-do-
482.05	482.80	0.75	0.75	100.0	0.75	0.75	482.80	Sh.		-do-
482.80	484.10	1.30	1.30	100.0	1.30	1.30	484.10	Sh.		-do- & Sl.
484.10	484.50	0.40	0.38	95.0	0.38	0.40	484.50	Sh.		
484.50	486.00	1.50	1.38	92.0	1.38	1.50	486.00	Sh.		
486.00	488.50	2.50	2.35	94.0	2.35	2.50	488.50	Sh.		
488.50	489.00	0.50	0.45	90.0	0.45	0.50	489.00	Fr. red. w		Soft, loose
489.00	490.25	1.25	1.15	92.0	1.15	1.25	490.25	Fr. red. w		
490.25	491.80	1.55	1.48	95.5	0.48	0.55	490.80	SST. Fr. d.		
491.80	493.30	1.50	1.40	93.3	1.40	1.50	493.30	Gr. l.		Br.
493.30	496.30	3.00	2.70	90.0	1.35	1.50	494.80	Gr. l.		Br. Vfr.
496.30	497.30	1.00	0.83	83.0	0.25	0.30	496.60	Sh.		Br., Vfr.
					0.41	0.50	497.10	Sh.		-do-
					0.18	0.20	497.30	M.P.		-do-

1	2	3	4	5	6	7	8	9	10	11
					REDRILLING					
0.00	3.00	3.00	-	-	-	3.00	3.00	Sandy soil.		
3.00	4.00	1.00	0.75	75.0	0.70	0.90	3.90	SST. Mgcl.		
					0.05	0.70	4.00	Sh.		
4.00	7.00	3.00	2.15	71.7	0.70	0.70	4.70	SST. Mgcl.		
					0.50	0.70	4.80	SST. Fgd.		
					0.15	0.20	5.00	Sh.		Br.
					1.40	2.00	7.00	SST. Mgcl.		
7.00	8.25	1.25	1.02	81.6	0.03	0.05	7.05	SST. Mgcl.		
					0.80	1.00	8.05	Csh.		
					0.15	0.15	8.20	SST. Fgd.		
					0.04	0.05	8.25	M.F.		
8.25	10.45	2.20	1.43	65.0	1.70	1.70	9.35	M.F.		Br.
					0.08	0.30	9.65	Sh.		Br.
					0.25	0.80	10.45	SST. Fgd.		
10.45	13.00	2.55	2.20	86.3	2.20	2.55	13.00	SST. Mgcl.		

BOREHOLE CLOSED AT 497.30 M. ON 22.2.78.

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. SD - 1.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

II/669

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
XVIII C	51.85	52.60	0.75	Roof faulted
XVIII B	60.15	62.75	2.60	
XVIII A	65.85	68.40	2.55	
XVIII	73.00	75.10	2.10	
Local	75.55	76.40	0.85	
Local	81.00	83.25	2.25	
Local (L-9)	85.85	86.75	0.90	
Local	102.83	103.30	0.47	
Local (L-8)	104.30	105.65	1.35	
Local (L-7)	133.20	134.40	1.20	
XVII A	159.70	166.00	6.30	
Local	190.95	191.40	0.45	
XVII	193.20	196.95	3.75	C, Jh, M.P.
Local (L-6)	216.14	219.24	3.10	Jh, M.P.
Local (L-5)	224.55	225.20	0.65	
Local (L-4)	237.95	239.30	1.35	
Local (L-3)	246.65	247.40	0.75	
Local (L-2)	265.85	266.55	0.70	
Local (L-2)	274.63	275.15	0.52	
XVIDE	287.78	288.60	0.82	
XVIC	310.48	314.17	3.69	
XVI AB	321.80	325.85	4.05	
Local	337.95	338.75	0.80	
XVI	351.65	352.00	0.35	
XV	384.76	391.20	6.44	Jh, M.P.
Local	398.55	399.52	0.97	
XIV	403.75	407.20	3.45	Jh, M.P.
Local	409.60	410.10	0.50	
Local XI/XII	453.05	454.55	1.50	Jh, Roof faulted

Commenced on : 17 - 2 - 1978
 Completed on : 31 - 5 - 1978
 All dimensions in metre:

R. L. of Collar : 177.26 m.
 Depth Drilled : 461.90 m.

Latitude : 19°55.97'30
 Departure : 216°39.0383

R U N		T H I C K N E S S		R E C O V E R Y		T H I C K N E S S		D e p t h o f F l o o r		L I T H O L O G Y		S o m C o r r e - l a t i o n		S t r u c t u r a l F e a t u r e s .	
From	To	Thickness	Recovered	Percent	Recovered	Thickness	Recovered	Thickness	Recovered	Thickness	Recovered	Thickness	Recovered	Thickness	Recovered
1	2	3	4	5	6	7	8	9	10	11					
0.00	3.00	3.00	-	-	-	-	3.00	Sandy soil.							
3.00	5.00	2.00	-	-	-	-	5.00	Sandy soil.							
5.00	8.00	3.00	-	-	-	-	8.00	Sandy soil.							
8.00	11.00	3.00	1.38	46	1.32	3.00	11.00	SST. Fgd. with Sh. laminae.							
11.00	13.65	2.65	2.40	91	2.40	2.65	13.65	SST. Fgd.							
13.65	16.75	3.10	3.05	98	3.05	3.10	16.75	SST. Mgd.							
16.75	19.80	3.05	3.05	100	0.40	0.40	17.15	SST. Mgd.							
					1.95	1.95	19.10	Sh.							
					0.70	0.70	19.80	M. P.							
					0.49	0.49	20.29	M.P. with Csh. fragments.							
					0.30	0.30	20.59	Csh.							
					1.60	1.60	22.19	Sh. A ren.							
					0.43	0.43	22.65	SST. & Sh. Intercalated							
					0.20	0.20	22.85	SST. Fgd.							
					0.89	0.89	23.75	SST. Fgd.							
19.80	22.85	3.05	3.02	99											
22.85	25.90	3.05	3.03	99											

XVIII

Baked.

1	2	3	4	5	6	7	8	9	10	11
										C.D. 20°
25.90	28.95	3.05	3.00	98	2.10	2.15	28.05	SST. & Sn. Intercolated at the bottom		
					0.90	0.90	28.95	SST. & Sn. Intercolated		VF, C.D. 15°
28.95	32.00	3.05	3.02	99	0.80	0.80	29.75	SST. & Sn. Intercolated		
					1.30	1.30	31.05	Sn. Aren.		
					0.92	0.95	32.00	SST. Fgd. with Sn. laminae		
32.00	35.10	3.10	3.09	99	2.08	2.08	34.08	SST. Fgd. with Sn. laminae.		
					0.34	0.34	34.42	SST. & Sn. Intercolated.		
					0.23	0.23	34.65	Sn.		
					0.44	0.45	35.10	SST. Fgd.		
35.10	38.10	3.00	2.94	98	2.70	2.75	37.85	SST. Fgd. with Sn. laminae at the bottom.		
					0.24	0.25	38.10	SST. Mgd.		
38.10	41.10	3.00	2.89	96.	1.28	1.35	39.45	SST. Mgd.		
					0.35	0.35	39.80	SST. Fgd. with Sn. laminae.		
					0.60	0.60	40.40	SST. & Sn. Interbanded.		
					0.66	0.70	41.10	SST. Fgd. with Sn. laminae.		
41.10	44.25	3.15	3.13	99	1.55	1.55	42.65	SST. & Sn. Intercolated		
					0.65	0.65	43.30	Sn. Aren.		

1	2	3	4	5	6	7	8	9	10	11
70.00	71.15	1.15	1.09	95	0.15	0.15	70.00	Sh.		
					0.28	0.30	70.30	Jh.		
					0.20	0.30	70.60	M.F.		
					0.35	0.35	70.95	Baked Sh. + M.F.		
					0.18	0.20	71.15	M.F.		
71.15	73.80	0.65	0.59	91	0.59	0.65	71.80	Baked Sh. + M.F.		
					0.33	0.33	72.13	M.F.		
					0.70	0.70	72.83	Csh.		
					0.96	0.97	73.80	M.F.		
73.80	76.00	2.20	2.07	94	1.10	1.20	75.00	Sh.		
					0.97	1.00	76.00	SST. Fgd. with Sh. laminae		
76.00	79.00	3.00	2.76	92	1.70	1.90	77.90	SST. Fgd. with Sh. laminae		
					0.92	0.95	78.85	M.F. with Jh.		
					0.14	0.15	79.00	C O A L		
79.00	80.40	1.40	0.99	71	0.60	0.90	79.90	C O A L		
					0.05	0.10	80.30	C O A L		
					0.09	0.10	80.40	Sh.		
80.40	82.00	1.60	1.40	88	0.35	0.40	80.80	Sh. Jren.		
					0.60	0.70	81.50	C O A L		
										Local.
										Br. C. D. 30°, Vfr

1	2	3	4	5	6	7	8	9	10	11
82.00	84.00	2.00	1.55	78	0.65	0.80	82.80	SST. Fed.	Fr. at 60° against the dip Sl.	
					0.90	1.20	84.00	Sh. Aren.		
84.00	85.50	1.50	1.19	79	0.24	0.30	84.30	Sh. aren.	Br., Sl., Fr. at 70° across the dip, dip	
					0.95	1.20	85.50	Sh.		
85.50	88.60	3.10	2.95	95	0.20	0.30	85.70	Sh. Aren.	r.	
					0.30	0.30	86.00	SST. & Sh. Intercalated		
					2.45	2.60	88.60	SST. Fed. with Sh. Laminæ		
88.60	90.10	1.50	1.20	80	0.68	0.80	89.40	SST. Mgd. Sideritic	Br., Sl., Fr. at 70° across the dip.	
					0.32	0.50	89.90	Sh.	Highly Br., Sl., Fr, dip. 40°	
90.10	93.10	3.00	2.90	97	0.20	0.20	90.10	SST. Mgd.		
93.10	95.60	2.50	2.20	88	2.20	2.50	93.10	SST. Mgd.	Br., Vf.	
95.60	97.00	1.40	1.39	99	1.39	1.40	95.60	SST. Mgd.	Fr., Vf. Micaceous.	
97.00	97.50	0.50	0.35	70	0.35	0.50	97.00	SST. Mgd.	C.D. 40°	
97.50	98.50	1.00	0.53	53	0.36	0.70	97.50	SST. Mgd.	Highly broken.	
							98.20	SST. & Sh. Intercalated	-do-	
98.50	99.00	0.50	0.41	82	0.17	0.30	98.50	SST. Mgd.	-do-	
					0.12	0.15	98.65	SST. Mgd.	-do-	
					0.14	0.15	98.80	Sh. A ren.	-do-	
					0.15	0.20	99.00	SST. Mgd.	-do-	

1	2	3	4	5	6	7	8	9	10	11
99.00	100.80	1.80	1.80	100	1.55	1.55	100.55	SST. & Sh. Intercalated		C.D. 20°
					0.25	0.25	100.80	SST. Mgcl. - Fgd. with Sh. Laminæ		
100.80	102.30	1.50	1.48	99	0.72	0.74	101.54	SST. Mgcl. - Fgd. with Sh. Laminæ		
					0.62	0.62	102.16	SST. Mgcl.		
					0.14	0.14	102.30	Sh. Aren.		
102.30	103.20	0.90	0.76	84.0	0.27	0.35	102.65	SST. & Sh. Intercalated.		
					0.43	0.49	103.14	SST. Mgcl.		
					0.06	0.06	103.20	SST. & Sh. Intercalated		
103.20	106.20	3.00	2.92	97	0.67	0.70	103.90	C O A L		Local.
					0.12	0.12	104.02	Sh.		
					0.50	0.50	104.52	Sh. Aren.		
					1.07	1.11	105.63	SST. & Sh. Intercalated		
					0.24	0.25	105.88	Csh. with C - streaks		C. D. 15°
					0.32	0.32	106.20	Sh. A. ren.		
106.20	109.20	3.00	2.93	98	0.29	0.30	106.50	Sh. Aren.		
					2.00	2.05	108.55	SST. Mgcl.		
					0.64	0.65	109.20	SST. & Sh. Intercalated		
109.20	112.25	3.05	3.05	100	0.41	0.41	109.61	SST. & Sh. Intercalated		
					2.64	2.64	112.25	SST. Mgcl. - Cgd.		
112.25	115.30	3.05	3.05	100	3.05	3.05	115.30	SST. Fgd. - Mgcl.		

1	2	3	4	5	6	7	8	9	10	11
118.30	119.45	1.15	1.06	92	0.08	0.08	118.36	Csh.	XVI D	C. D. 15° Highly Broken
					0.77	0.86	119.24	C O A L		
					0.21	0.21	119.45	Sh. Aren.		Br.
119.45	122.30	2.75	2.70	98	0.25	0.25	119.70	Sc.		
					2.45	2.50	122.20	SST. Sh. Intercoluted		
122.30	125.25	3.05	2.92	96	2.50	2.60	124.80	SST. & Sh. Intercoluted		C. D. 15°
					0.37	0.40	125.20	Sh.		
					0.05	0.05	125.25	C O A L		
125.25	128.25	3.00	2.84	95	0.47	0.50	125.75	SST. & Sh. Intercoluted		
					2.37	2.50	128.25	SST. Mgd.-Ogd. (Sideritic)		
128.25	131.30	3.05	3.03	99	2.50	2.50	130.75	SST. Mgd.-Ogd., Sideritic		
					0.53	0.55	131.30	SST. Fgd.		
131.30	132.70	1.40	1.40	100	0.28	0.28	131.58	SST. Fgd.		
					1.12	1.12	132.70	SST. Mgd. (Sideritic)		
132.70	135.75	3.05	3.01	99	0.84	0.84	133.54	SST. Mgd. (Sideritic)		
					0.37	0.37	133.91	Sh.		
					0.03	0.03	133.94	SST. Mgd., Sideritic		
					0.20	0.24	134.18	C O A L		Highly Broken.
					0.27	0.27	134.45	Csh.		C. D. 20°
					0.16	0.16	134.61	SST. Mgd. (Sideritic)		
					1.14	1.14	135.75	SST. & Sh. Intercoluted		

1	2	3	4	5	6	7	8	9	10	11
135.75	137.50	1.75	1.64	94	0.50	0.50	136.25	SST. & Sh. Intercalated		
					0.15	0.15	136.40	Csh. with C - streaks		
					0.18	0.25	136.65	C O A L		Sub. V. Fr. at 70°
					0.12	0.12	136.77	Sh. with C - streaks		C. D. 10°
					0.69	0.73	137.50	SST. & Sh. Intercalated		
137.50	140.50	3.00	3.00	100	0.26	0.26	137.76	Sh. Aren.		
					0.41	0.41	138.17	SST. Fgd. with Sh. laminae		
					0.99	0.99	139.16	SST. Argil.		
					1.34	1.34	140.50	Sh. Aren.		
140.50	143.00	2.50	2.41	96	0.36	0.36	140.86	Cst.		
					0.23	0.25	141.11	C O A L		
					0.46	0.48	141.59	Cst.		C. D. 20°
					1.30	1.35	142.94	C O A L		Highly broken.
					0.06	0.06	143.00	Cst.		
143.00	146.00	3.00	2.37	79	0.88	1.00	144.00	SST. & Sh. Intercalated		
					1.15	1.45	145.45	Sc.		
					0.34	0.55	146.00	Sh. with C. streaks		C. D. 15°
146.00	148.60	2.60	2.58	99	1.20	1.20	147.20	SST. & Sh. Intercalated		
					0.58	0.60	147.80	SST. Fgd. with Sh. laminae		
					0.48	0.48	148.28	Csh.		
					0.32	0.32	148.60	Sh. Aren.		
148.60	150.00	1.40	1.38	99	0.50	0.50	149.10	SST. Fgd. Sideritic		C. D. 15°

1	2	3	4	5	6	7	8	9	10	11
150.00	153.00	3.00	.55	85	0.10	0.10	150.10	SS T. & Sh. I torcalated		
					0.65	0.80	150.90	SST. Fgd. - Mgcl. with Sh. laminaes		
								Sideritic.		
					0.06	0.10	151.00	Sh.		VF.
					0.69	0.70	151.70	Csh.		
					1.05	1.30	153.00	C O A L		
153.00	156.00	3.00	2.66	89	2.48	2.70	155.70	C O A L		C. 2. 20°
					0.18	0.30	156.00	Sh.		Br.
156.00	159.05	3.05	3.04	100	0.26	0.26	156.26	Sh. Aren.		
					1.33	1.34	157.60	SST. Fgd. with Sh. laminae.		
					1.00	1.00	158.60	Sh. Aren.		
					0.45	0.45	159.05	SST. Fgd.		SL., Sub. V. fr.
159.05	160.05	1.00	0.93	93	0.93	1.00	160.05	Sh. Aren.		
160.05	162.20	2.15	2.15	100	0.34	0.34	160.39	Sh. Aren.		C. D. 15°
					1.81	1.81	162.20	SST. F gd. - Mgcl.		
162.20	164.20	2.00	2.00	100	0.23	0.23	162.43	SST. F gd. - Mgcl.		
					0.51	0.51	162.94	SST. F gd.		SL.
					1.26	1.26	164.20	Sh. Aren.		
164.20	165.20	1.00	1.00	100	1.00	1.00	165.20	Sh. Aren.		SL., Vfr.
165.20	166.00	0.80	0.77	96	0.58	0.60	165.80	Sh. Aren.		
					0.19	0.20	166.00	SST. Cgd.		
166.00	168.45	2.45	2.45	100	2.45	2.45	168.45	SST. Cgd.		
168.45	171.45	3.00	3.00	100	1.87	1.87	170.32	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
171.45	174.45	3.00	3.00	100	0.75 0.38 2.33 0.24 0.21 0.22	0.75 0.38 2.33 0.24 0.21 0.22	171.07 171.45 173.78 174.02 174.23 174.45	SST. Grit. SST. Mgd. with Sh. band SST. Mgd. - Cgd. Sh. Sc. C O A L		C. D. 15°
174.45	177.50	3.05	2.65	87	0.33 0.12 0.10 0.10 1.05 0.95	0.43 0.17 0.15 0.10 1.25 0.95	174.88 175.05 175.20 175.30 176.55 177.50	C O A L Csh. C O A L L. Grit. Sh. Arg. SST. Fgd.-Mgd.		C. D. 15°
177.50	180.50	3.00	2.96	99	1.40 1.56	1.40 1.60	178.90 180.50	SST. Mgd. SST. Mgd. - Grit		
180.50	183.60	3.10	3.10	100	3.10	3.10	183.60	SST. Mgd. - Cgd.		
183.60	186.65	3.05	3.05	100	3.05	3.05	186.65	SST. Mgd. - Cgd.		
186.65	189.65	3.00	2.92	97	1.14 1.12 0.49 0.17	1.16 1.14 0.50 0.20	187.81 188.95 189.45 189.65	SST. Cgd. SST. & Sh. Interrelated SST. Mgd. - Cgd. C O A L		
*189.65	191.65	2.00	1.93	97	1.05 0.26	1.10 0.26	190.75 191.01	C O A L Sh.		

Local.

XVI

1	2	3	4	5	6	7	8	9	10	11
191.65	194.65	3.00	3.00	100	0.54 0.60 0.36 0.95 1.09	0.54 0.60 0.36 0.95 1.09	191.65 192.25 192.61 193.56 194.65	SST. Argill. -do- SST. with COAL Sc. Sh.		
194.65	197.75	3.10	3.02	97	3.02	3.10	197.75	Sh. Aren.		C. D. 10°
197.75	198.75	1.00	0.93	93	0.54	0.60	198.35	Sh. Aren.		
					0.15	0.15	198.50	Cal. with C. - Streaks		
					0.24	0.25	198.75	Sh.		
198.75	201.80	3.05	3.05	100	3.05	3.05	201.80	SST. Fgd. with Sh. Laminæ		
201.80	204.80	3.00	2.90	97	0.83	0.90	202.70	SST. Ggd.		
					1.98	2.00	204.70	SST. Mgd. with Sh. Laminæ		C. D. 10°
					0.09	0.10	204.80	Cal.		
204.80	207.90	3.10	3.10	100	1.90	1.90	206.70	Sh. with COAL bands		C. D. 15°
					1.20	1.20	207.90	SST. Fgd. with Sh. bands.		
207.90	210.50	2.60	2.60	100	1.45	1.45	209.35	SST. Fgd. - Mgd. with Sh. Laminæ		
					1.15	1.15	210.50	SST. Mgd.		
210.50	213.10	2.60	2.60	100	2.60	2.60	213.10	SST. Fgd. - Mgd.		C. D. 10°
213.10	216.20	3.10	3.06	99	0.20	0.20	213.20	SST. & Sh. Intercalated		
					2.86	2.90	216.20	SST. Fgd.-Mgd.		C. D. 15°
216.20	219.25	3.05	3.05	100	3.05	3.05	219.25	SST. Fgd.-Mgd.		
219.25	222.35	3.10	3.09	99.7	3.06	2.06	221.31	SST. Fgd.-Mgd.		
					0.80	0.80	222.11	SST. Fgd.-Mgd. with Sh. Laminæ		

BORE HOLE NO. SD 3.

1	2	3	4	5	6	7	8	9	10	11
222.35	225.40	3.05	3.05	100	0.23	0.24	222.35	SST. Peg.		C.D. 15°
225.40	228.40	3.00	2.93	98	3.05	3.00	225.40	SST. Pegd.-Mgd.		
228.40	231.50	3.10	3.05	98	2.93	3.10	228.40	SST. Pegd.-Mgd.		
231.50	234.45	2.95	2.92	99	3.05	231.50	231.50	Sl. Aren.		Sl., C.D. 20°
					0.57	0.57	232.07	Sl. Aren.		
					0.75	0.75	232.82	M.P.		
					1.23	1.26	234.08	Jh. with M.P. Patches.		
					0.37	0.37	234.45	M.P.		
					0.12	0.12	234.57	M.P.		
234.45	237.55	3.10	2.04	98	0.21	0.23	234.80	Csh.		
					1.02	1.05	235.85	Jh.		
					1.69	1.70	237.55	C O A L		Br., C.D. 15°
237.55	240.55	3.00	2.73	91	2.10	2.30	239.85	C O A L		Br.
					0.63	0.70	240.55	Sh. Aren.		
240.55	243.55	3.00	2.74	91	1.21	1.30	241.85	Sh. Aren.		
					0.56	0.60	242.45	Sh.		
					0.52	0.60	243.05	Sc.		
					0.45	0.50	243.55	C O A L		
243.55	246.20	2.65	2.00	75	0.19	0.30	243.85	C O A L		C.D. 15°
					1.32	1.80	245.65	Sl.		Sl., Highly Baked

XV

Local.

1	2	3	4	5	6	7	8	9	10	11
246.20	247.50	1.30	0.95	73	0.14	0.15	245.80	M.F.		
247.50	248.60	1.10	0.84	76	0.35	0.40	246.20	SST. & Sh. Intercalated		
					0.95	1.30	247.50	C O L L		
					0.72	0.90	248.40	Sc.		
					0.12	0.20	248.60	Cst.		
248.60	250.30	1.70	1.10	65	1.10	1.70	250.30	COL with Cst. bands		
250.30	252.20	1.90	1.65	87	0.48	0.60	250.90	Sh. Aren.		
					0.13	0.20	251.10	SST. Fgd. with Pyrite.		
					1.04	1.10	252.20	Sh. Aren.		
252.20	255.30	3.10	3.08	99	0.83	0.85	253.05	Sh. Aren.		
					2.25	2.25	255.30	SST. Fgd. - Mgd.		
255.30	258.30	3.00	2.87	96	1.00	1.10	256.40	SST. Fgd. - Mgd.		
					1.87	1.90	258.30	Sh. Aren.		
258.30	260.70	2.40	2.35	98	1.75	1.30	260.10	Sh. Aren.		
					0.60	0.60	260.70	SST. & Sh. Intercalated		
260.70	261.80	1.10	0.93	85	0.93	1.10	261.80	Sh. with COL Streaks		
261.80	264.05	2.25	2.25	100	0.38	0.38	262.18	SST. & Sh. Intercalated		
					0.09	0.09	262.27	Cst. with COL Streaks		
					0.52	0.52	262.79	SST. & Sh. Intercalated		
					0.22	0.22	263.01	Sh. with Cst. bands.		
					1.04	1.04	264.05	SST. & Sh. Intercalated		

XIV

Br., S., C.D. 15°

C. D. 15°

C. D. 15°

1	2	3	4	5	6	7	8	9	10	11
264.05	266.80	2.75	2.63	96	2.63	2.75	266.80	SST. & Sh. Intercalated		
266.80	267.80	1.00	1.00	100	1.00	1.00	267.80	SST. & Sh. Intercalated		
267.80	270.90	3.10	3.07	99	0.30	0.30	268.10	Sh. Aren.		
					2.77	2.80	270.90	SST. & Sh. Intercalated		
270.90	272.15	1.25	1.22	98	1.22	1.25	272.15	Sh. Aren.		
272.15	275.25	3.10	3.05	98	3.05	3.10	275.25	Sh. Aren.		
275.25	278.35	3.10	3.01	97	1.85	1.90	277.15	Sh. Aren.		
					1.16	1.20	278.35	SST. Fgd. Sideritic		
278.35	279.35	1.00	0.59	59	0.59	1.00	279.35	SST. Fgd. Sideritic		
279.35	282.40	3.05	3.05	100	3.05	3.05	282.40	SST. Mgd. with Sh. Lamineae.		
282.40	285.50	3.10	3.10	100	3.10	3.10	285.50	SST. Mgd.		
285.50	288.50	3.00	2.68	89	0.55	0.80	286.30	SST. Fgd.		
					0.81	0.81	287.11	SST. Mgd.		
					0.70	0.70	287.81	Sh. Aren.		
					0.12	0.12	287.93	SST. Fgd.		
					0.10	0.10	288.03	Sh.		
					0.17	0.17	288.20	Csh.		
					0.05	0.10	288.30	C O A L		
					0.18	0.20	228.50	Sh. Aren.		
288.50	291.55	3.05	2.79	91	2.05	2.30	290.80	Sh. Aren.		

C. D. 20°

Br.

1	2	3	4	5	6	7	8	9	10	11
291.55	294.65	3.10	3.10	100	0.09	0.10	291.55	St.		
					1.15	1.15	292.70	St.		
					1.04	1.04	293.74	St. Aren.		
					0.91	0.91	294.65	St.		
					1.25	1.25	295.90	SST. & St. Intercolated		
294.65	297.65	3.00	3.00	100	0.23	0.23	296.13	SST. Fgd.		
					0.23	0.23	296.36	St.		
					0.23	0.23	297.40	Csh.		
					1.04	1.04	297.65	St. Sideritic		
					0.25	0.25	297.73	St.		
297.65	300.75	3.10	3.09	99.7	0.08	0.08	298.03	SST. Fgd.		
					0.30	0.30	298.45	SST. Mgd.		
					0.42	0.42	299.70	SST. Fgd.		
					1.25	1.25	300.75	St.		
					1.04	1.05	300.90	St.		
300.75	303.85	3.10	3.10	100	0.15	0.15	301.00	C O L L		
					0.08	0.10	301.24	St.		
					0.21	0.24	302.44	SST. & St. Intercolated		
					1.15	1.20	303.14	St.		
					0.70	0.70	303.20	V.P.		
					0.16	0.16	303.43	Baked Csh. with N.P.		
					0.13	0.13				

PORE HOLE NO. SD - 3.

1	2	3	4	5	6	7	8	9	10	11
303.85	306.85	3.00	2.78	93	0.42	0.42	303.85	M.F.		
					0.09	0.10	303.95	M.F.		
					1.77	1.35	305.80	Jn.		
					0.92	1.05	306.85	C O A L		
							309.90	C O A L		
306.85	309.90	3.05	3.05	100	3.05	3.05	312.95	Si.		
309.90	312.95	3.05	3.00	98	3.00	3.05	314.40	Si. lven.		
312.95	316.00	3.05	3.01	99	1.42	1.45	316.00	SST. Fgd.		
					1.59	1.60	319.10	SST. Fgd. - Mgd.		
316.00	319.10	3.10	3.05	98	3.05	3.10	322.20	SST. Mgd. (Sideritic)		
319.10	322.20	3.10	3.10	100	3.10	3.10	322.90	SST. Mgd. (Sideritic)		
322.20	325.20	3.00	2.92	97	0.63	0.70	322.95	Si.		
					0.05	0.05	325.20	SST. Mgd. (Sideritic)		
					2.24	2.25	325.95	SST. Mgd. (Sideritic)		
325.20	325.95	0.75	0.75	100	0.75	0.75	328.85	SST. Mgd.		
325.95	328.85	2.90	2.90	100	2.90	2.90	331.10	SST. Mgd. - Qgd. (Sideritic)		
328.85	332.00	2.15	2.88	91	2.04	2.25	332.00	SST. Mgd. - Qgd. (Sideritic)		
					0.84	0.90	332.07	Si.		
332.00	335.05	3.05	2.97	97	0.07	0.07	336.69	SST. Fgd.		
					2.90	2.98		SST. Mgd.		
335.05	338.05	3.00	3.00	100	1.64	1.64				

XI/XII

1	2	3	4	5	6	7	8	9	10	11
338.05	341.10	3.05	3.05	100	3.05	3.05	341.10	Sh. Aren. wth minor Csh. bands.		
341.10	342.60	1.50	1.50	100	1.50	1.50	342.60	Sh.		
342.60	343.85	1.25	1.25	100	1.25	1.25	343.85	Sh.		G. D. 15°
343.85	346.90	3.05	2.83	93	0.44	0.50	344.35	Csh. (Baked)		
					0.34	0.35	344.70	M.F.		
					0.30	0.30	345.00	Csh. (Baked)		Local
					0.91	1.00	346.00	S c.		
					0.48	0.50	346.50	Sh. Aren. Sideritic		Sl.
					0.36	0.40	346.90	Csh.		
346.90	349.90	3.00	2.30	77	2.30	3.00	349.90	Csh.		Br.
349.90	352.40	2.50	2.50	100	1.50	1.50	351.40	Csh.		
					0.22	0.22	351.62	M.F.		
					0.38	0.38	352.00	Csh. (Baked)		
					0.10	0.10	352.10	Jh. wth M.F.		
					0.30	0.30	352.40	Csh.		
352.40	355.45	3.05	2.88	94	0.20	0.25	352.65	Jh.		
					0.09	0.10	352.75	Csh.		
					0.08	0.09	352.84	Sc.		
					0.14	0.14	352.98	M.F.		
					0.45	0.45	353.43	Jh.		
					0.17	0.17	353.60	M.F.		
					1.75	1.85	355.45	Jh.		

VIII C/IX/X

Br. at the bottom

1	2	3	4	5	6	7	8	9	10	11
378.95	380.00	1.05	0.53	50	0.53	1.05	380.00	SST. Fgd.		
380.00	380.75	0.75	0.24	32	0.24	0.75	380.75	SST. Fgd.		
380.75	381.35	0.60	0.23	47	0.13	0.30	381.05	Sh.		
					0.15	0.30	381.35	SST. Mg'd.		
381.35	382.25	0.90	0.60	67	0.60	0.90	382.25	SST. Mg'd.		
382.25	383.05	0.80	0.59	74	0.59	0.80	383.05	SST. Mg'd.		
383.05	383.55	0.50	0.49	98	0.49	0.50	383.55	SST. Mg'd.		
383.55	385.55	2.00	1.35	68	1.35	2.00	385.55	SST. Mg'd.		
385.55	388.55	3.00	2.84	95	2.75	2.85	388.40	SST. Mg'd.		
					0.09	0.15	388.55	C O A L		
388.55	391.55	3.00	2.88	96	2.88	3.00	391.55	COAL with Csh.		
391.55	393.00	1.45	1.45	100	1.34	1.34	392.09	C O A L		
					0.11	0.11	393.00	Sh.		
393.00	394.00	1.00	1.00	100	1.00	1.00	394.00	Sh.		
394.00	394.50	0.50	0.45	90	0.45	0.50	394.50	Sh.		
394.50	397.60	3.10	3.05	98	1.00	1.00	395.50	Sh.		
					2.05	2.10	397.60	SST. Mg'd.		
397.60	400.70	3.10	3.05	98	3.05	3.10	400.70	SST. Mg'd.		
400.70	403.80	3.10	3.10	100	3.10	3.10	403.80	SST. Mg'd.		
403.80	406.85	3.05	3.05	100	3.05	3.05	406.85	SST. Mg'd.		
406.85	409.65	2.80	2.46	88	2.03	2.25	409.10	SST. Mg'd.		

VIII A

C. D. 10°, Fr. 70° against the dip Br. Fr at 70° against the dip C. 1

BORE HOLE NO. SD - 3.

1	2	3	4	5	6	7	8	9	10	11
409.65	412.65	3.00	2.79	93	0.43	0.55	409.65	Sh.		
					0.30	0.35	410.00	Sh.		
					0.67	0.70	410.70	SST. & Sh. Intercalated		
					1.82	1.95	412.65	SST. Mg'd.		
412.65	413.65	1.00	0.90	90	0.90	1.00	413.65	SST. Mg'd.		
413.65	414.35	0.70	0.46	66	0.30	0.50	414.15	SST. Mg'd.		
					0.16	0.20	414.35	Gsh.		
					0.60	0.60	414.95	Sc.		
414.35	414.95	0.60	0.60	100	1.72	1.72	416.67	Sh.		
414.95	418.05	3.10	3.10	100	0.79	0.79	417.46	Sh. Aren.		
					0.59	0.59	418.05	SST. Mg'd.		
					1.20	1.20	419.25	SST. Mg'd.		
418.05	421.15	3.10	3.10	100	0.50	0.50	419.75	Sh.		
					1.40	1.40	421.15	SST. Mg'd.		
					2.00	2.00	423.15	SST. Mg'd.		
421.15	423.85	2.70	2.65	98	0.65	0.70	423.85	Sh. Aren.		
					3.00	3.00	426.85	SST. & Sh. Intercalated		
423.85	426.85	3.00	3.00	100	3.05	3.05	429.90	SST. Mg'd.		
426.85	429.90	3.05	3.05	100	1.42	1.44	431.34	SST. Mg'd.		
429.90	431.45	1.55	1.53	99	0.11	0.11	431.45	Sc.		
					0.63	0.80	432.25	Gsh. with G. - streaks (R.F.)		

VIII

IV/V/VI/VIII

Fr. at 50°

1	2	3	4	5	6	7	8	9	10	11
432.25	434.25	2.00	1.67	84	0.70	0.80	433.05	Csh.		Fr. at 50° S.
					0.70	0.80	433.85	Jh.		Fr. at 50° S.
					0.27	0.40	434.25	Csh.		Fr. at 50° S. Baked
434.25	434.65	0.40	0.29	73	0.29	0.40	434.65	Csh.		Fr. at 50° , Baked.
434.65	436.80	2.15	1.70	79	0.23	0.30	434.95	Csh.		
					1.19	1.40	436.35	Jh.		VI., S., Br.
					0.25	0.40	436.75	Csh.		
					0.03	0.05	436.80	Jh.		
436.80	437.80	1.00	0.90	90	0.90	1.00	437.80	Jh. with Csh.		Fr., Hbr. S.
437.80	439.60	1.80	1.50	83	1.50	1.80	439.60	Jh. with Csh.		Fr., Hbr. S.
439.60	440.85	1.25	1.00	80	0.27	0.35	439.95	Jh. with Csh.		Fr. at 70° , Hbr., S.
					0.23	0.30	440.25	Csh. X		
					0.25	0.30	440.55	S. X		
					0.13	0.15	440.85	S. X		Br., Fr.
440.85	441.15	0.30	0.21	70	0.21	0.30	441.15	Csh.		
441.15	442.55	1.40	0.92	66	0.92	1.40	442.55	Jh. with Csh.		C. D. 20° , Fr. at 70°
442.55	443.20	0.65	0.40	62	0.40	0.65	443.20	Jh. with Csh.		Hbr., S.
443.20	443.60	0.40	0.30	75	0.30	0.40	443.60	Csh.		Fr., Br., S.
443.60	444.20	0.60	0.24	40	0.24	0.60	444.20	Csh. with Jh.		Fr., Hbr., S.
444.20	445.00	0.80	0.46	58	0.15	0.25	444.45	Csh. with Minor Jh.		Fr. at 70° , Hbr., S.
					0.31	0.55	445.00	S.		
445.00	446.00	1.00	0.82	82	0.15	0.20	445.20	Csh. with Jh.		Fr. at 70° , S.

IV/VII/VIII
R.F.

1	2	3	4	5	6	7	8	9	10	11
455.75	458.80	3.05	3.02	99	3.02	3.05	458.80	SST. Negl.		C. D. 25°, Fr. 70° against the dip.
458.80	461.90	3.10	2.90	94	2.90	3.10	461.90	SST. Grtly.		

BORE HOLE CD 05ED AT 461.90 IN. ON 31.5.1978.

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. SD - 3.

II/693

(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From	To	Thickness	Remarks
XVII c	46.20	50.00	3.80	Jh, M.P.
XVIII B	53.90	54.38	0.48	Jh, M.P.
XVIII A	62.25	65.47	3.22	
XVIII	69.01	73.80	4.79	C, Jh, M.P.
Local (L-9)	77.90	80.03	2.13	C, Jh, M.P.
Local	80.80	81.50	0.70	
Local	103.20	103.90	0.70	
XVID	116.90	119.70	2.80	
Local	141.64	142.5	0.89	
XVIC	144.00	145.45	1.45	
XVI AB	151.70	155.70	4.00	
Local	174.25	175.20	0.95	
XVI	189.45	190.75	1.30	
XV	232.07	239.85	7.78	C, Jh, M.P.
Local	242.45	243.72	1.27	
XIV	246.20	250.30	4.10	
XI/XII	303.95	309.90	5.95	Jh, M.P.
Local	345.00	346.00	1.00	
VIII C/IX/X	352.40	360.85	8.45	Jh, M.P. + B. Coal
VIII B	362.95	364.20	1.25	Jh.
VIII A	388.40	392.8	4.49	Jh, M.P.
VIII	414.35	414.95	0.60	Sc. Baked
IV/V/VI/VII	431.34	450.35	19.01	Jh, M.P., Roof fa

R. L. of Collar : 195.64 m.
Depth drilled : 469.25 m.

Commenced on : 1.3.1978
Completed On : 6.5.1978
All dimensions in metres

R U N		Thickness	RECOVERED		THICKNESS		Depth of Floor	L I T H O L O G Y	SEAM Correlation	Structural Features.
From	To		Recovered	Percent	Recovered	Extrapolated				
1.00	3.00	3.00	-	-	-	-	3.00	Sandy Soil		
3.00	6.00	3.00	-	-	-	-	6.00	Sandy Soil		
6.00	8.20	2.20	-	-	-	-	8.20	Sandy Soil		
8.20	9.00	0.80	0.16	20.00	0.16	0.80	9.00	SST. Fgd. Sideritic		
9.00	10.50	1.50	0.26	17.00	0.26	1.50	10.50	SST. Fgd. Sideritic		
10.50	13.00	2.50	2.14	86.00	0.85	1.00	11.50	SST. Fgd. Ferruginous Micaceous		Hard Compact Vt.
					0.84	0.95	12.45	St.		C.D. 20°
					0.45	0.55	13.00	SST. Fgd.		Sub V. Fr.
14.00	16.00	3.00	1.65	55.00	1.40	2.40	15.40	SST. Fgd.		-do-
					0.25	0.60	16.00	St. Aren.		Br.
18.00	18.80	2.80	1.30	46.00	1.30	2.80	18.80	St.		Br.
										Br., Fr. at 60° against the dip
										C.D. is 20°
21.80	21.80	3.00	2.19	73.00	0.08	0.10	18.90	SST. Fgd.		
					0.60	0.80	19.70	St.		Vf., Br.

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
21.80	23.00	1.20	0.87	73.00	0.54	1.00	20.70	SST. Fgd.		
					0.97	1.10	21.80	Sh.		
					0.44	0.57	22.37	Sh. aren.		
23.00	26.00	3.00	2.72	91.00	0.43	0.63	23.00	SST. Fgd.		
					1.50	1.60	24.60	SST. Fgd. with Sh. laminae		
					1.22	1.40	26.00	SST. Mgd.		
26.00	29.00	3.00	2.80	93.00	2.30	2.50	28.50	SST. Mgd.		
					0.07	0.37	28.57	Quartz pebbles		
					0.30	0.30	28.87	Sh.		
					0.13	0.13	29.00	SST. Fgd.		
29.00	32.00	3.00	1.35	45.00	0.50	1.50	30.50	SST. Fgd.		
					0.85	1.50	32.00	SST. Mgd.		
32.00	34.00	2.00	1.53	77.00	1.53	2.00	34.00	SST. Cgd.		
34.00	35.20	1.20	1.04	87.00	0.64	0.75	34.75	SST. Cgd.		
					0.40	0.45	35.20	Sh. aren.		
35.20	38.25	3.05	2.86	94.00	0.77	0.80	36.00	SST. & Sh. Interbedded		
					0.60	0.60	36.60	Sh.		
					1.49	1.65	38.25	SST. Fgd.		
					0.10	0.10	38.35	SST. Fgd.		
38.25	41.30	3.05	2.75	90.00	0.15	0.15	38.80	Sh.		

Fr at 35°

VF.
Br. G.D. 35°
Fr. 60° again
the dip

Local (L-11)

VF.
VF.
G.D. 25°

1	2	3	4	5	6	7	8	9	10	11
41.30	42.50	1.20	1.17	98.00	0.22	0.22	41.52	SST. & Sh. Intercalated		
					1.07	1.30	41.30	SST. Fgd. with Occasional Sh. bands		
					0.38	0.38	41.90	SST. Fgd.		
					0.57	0.60	42.50	Sh. Aren. Micaceous		
42.50	44.40	1.90	1.83	96.00	0.73	0.75	43.25	SST. & Sh. Intercalated Micaceous.		
					1.30	1.15	44.40	SST. Fgd. with Occasional Sh. bands		
44.40	47.50	3.10	2.90	94.00	2.90	3.10	47.50	SST. Fgd.		
47.50	49.00	1.50	1.34	89.00	0.04	0.05	47.55	SST. Cgd.		
					1.30	1.45	49.00	Sh. Aren.		
49.00	50.55	1.55	1.39	90.00	0.12	0.14	49.14	Sh. Aren.		
					0.85	0.95	50.09	Sh.		
					0.13	0.15	50.24	Sc.		
					0.29	0.31	50.55	Sh.		
					0.38	0.38	50.93	SST. Fgd.		
50.55	53.00	2.45	2.45	100.0	1.50	1.50	52.43	Sh.		
					0.45	0.45	52.88	Sh. Aren.		
					0.10	0.10	52.98	SST. & Sh. Intercalated		

Local(L-11).

Br., Sl., Fr. at 70° against the dip C.D. 10°

Br., Sl., Fr. at 4° against the dip C.D. 10°

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
53.00	54.65	1.65	1.45	88.00	0.02	0.02	53.00	SST. Fgd.		
54.65	55.15	0.50	0.50	100.0	0.42	0.42	54.65	SST. Fgd. with Occ. bands		
					0.08	0.08	55.07	SST. Fgd.		
55.15	56.65	1.50	1.31	87.00	0.09	0.10	55.15	SST. Fgd.		
					0.10	0.10	55.25	SST. Fgd.		
					0.62	0.70	55.35	SST. Fgd.		
56.65	57.40	0.75	0.69	92.00	0.50	0.60	56.05	SST. & Sst. Intercalated		
					0.54	0.60	56.65	SST. & Sst. Intercalated		
					0.15	0.15	57.25	SST. & Sst. Intercalated		
57.40	59.40	2.00	2.00	100.00	0.20	0.20	57.40	Sst.		
					0.40	0.40	57.60	Csh. with C - bands		
					1.20	1.20	58.00	Sst.		
					0.20	0.20	59.20	Sst. aren.		
					0.54	0.60	59.40	Sst. with C - streaks		
59.40	62.45	3.05	2.90	95.00	0.20	0.20	60.00	SST. Fgd. with Sst. laminae		
					1.62	1.70	60.20	Sst.		
					0.20	0.20	61.90	SST. & Sst. Intercalated.		
					0.34	0.35	62.10	Sst.		
					1.83	1.88	62.45	Csh. with C - streaks		
62.45	65.60	3.15	3.10	98.00	0.65	0.65	64.33	SST. & Sst. Intercalated		
					0.65	0.65	64.98	Sst.		
								SST. & Sst. Intercalated.		

Local(L-11)

1	2	3	4	5	6	7	8	9	10	11
65.60	68.50	2.90	2.89	100.0	0.46	0.46	65.60	SST. Fgd.		
					1.06	1.07	66.67	SST. Fgd. with St. Laminæ		
					1.00	1.00	67.67	St. Aren.		
					0.56	0.56	68.23	SST. Fgd. with St. Laminæ		
					0.27	0.27	68.50	St. Aren.		
68.50	71.30	2.80	2.77	99.00	0.97	1.00	69.50	SST. & St. Intercalated		
					0.47	0.47	69.97	SST. Fgd. - Mgd.		
					0.18	0.18	70.15	St. Aren.		
					0.88	0.88	71.03	St.		
					0.27	0.27	71.30	SST. & St. Intercalated		
71.30	74.30	3.00	3.00	100.0	0.30	0.30	71.60	St. Aren.		
					1.05	1.05	72.65	SST. Fgd. with St. Laminæ		
					1.52	1.52	74.17	SST. & St. Intercalated		
					0.13	0.13	74.30	SST. Fgd.		
74.30	76.10	1.80	1.80	100.0	0.54	0.54	74.84	SST. Fgd.		
					0.46	0.46	75.30	SST. & St. Intercalated		
					0.53	0.53	75.83	Gsh.		
					0.18	0.18	76.01	0 0 L L		
					0.09	0.09	76.10	Gsh.		
76.10	77.65	1.55	1.54	99.7	0.17	0.18	76.28	St. Aren.		
					0.37	0.37	76.65	SST. & St. Intercalated		
					0.22	0.22	76.87	Gsh. with C - streaks		

Local (I-11)

Fr. at 55°

C. D. 20°

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
77.65	80.75	3.10	3.10	100.00	0.26	0.26	77.13	SST. & Sh. Intercalated		
					0.52	0.52	77.65	Sh. Aren.		
					0.30	0.30	77.95	SST. & Sh. Intercalated		
					1.07	1.07	79.02	SST. Fgd. - Mgd.		
					1.50	1.50	80.52	Sh. Aren.		
					0.23	0.23	80.75	SST. Fgd. with Sh. Laminæ		
80.75	83.35	2.60	2.27	87.00	1.70	1.90	82.65	SST. & Sh. Intercalated		
					0.57	0.70	83.35	Sh. Aren.		
					1.05	1.10	84.45	SST. & Sh. Intercalated		
83.35	85.95	2.60	2.55	98.00	0.13	0.13	84.58	Sh.		
					0.41	0.41	84.99	Osh. with C - Laminæ		
					0.96	0.96	85.95	SST. & Sh. Intercalated		
85.95	86.95	1.00	0.98	98.00	0.98	1.00	86.95	SST. & Sh. Intercalated		
86.95	89.35	2.40	2.04	85.00	1.76	2.00	88.95	SST. & Sh. Intercalated		
					0.28	0.40	89.35	Sh. Aren.		
89.35	90.85	1.50	1.25	83.00	1.00	1.25	90.60	Sh. Aren.		
					0.25	0.25	90.85	SST. Fgd.		
					1.00	1.00	91.85	Sh. Aren.		
90.85	92.60	1.75	1.70	99.00	0.70	0.75	92.60	SST. & Sh. Intercalated		
					1.69	1.80	94.40	SST. Mgd.		
92.60	95.60	3.00	2.82	94.00	0.86	0.90	95.30	SST. & Sh. Intercalated		
					0.27	0.30	95.60	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
98.35	101.40	3.05	3.05	100.00	3.05	3.05	101.40	SST. Mgd. - Cgd.		
101.40	104.45	3.05	3.05	100.00	0.46	0.45	101.86	SST. Mgd. - Cgd.		
					0.11	0.11	101.97	SST. & St. Intercalated		
					0.40	0.40	102.37	Cgd.		Sub. V. fr.
					0.23	0.23	102.60	SST. & St. Intercalated		
					0.56	0.56	103.16	St.		Sub. V. fr. SL.
					0.43	0.43	103.59	SST. Mgd.		
					0.86	0.86	104.45	SST. & St. Intercalated		
104.45	106.65	2.20	2.20	100.00	0.34	0.34	104.79	SST. & St. Intercalated		
					0.20	0.20	104.99	M.F.		
					0.19	0.19	105.18	St.		V. fr.
					1.47	1.47	106.65	Sh. Aren.		
106.65	108.20	1.55	1.53	99.00	0.58	0.60	107.25	SST. Fgd. - Mgd. with St. laminae.		
					0.20	0.20	107.45	SST. Mgd. - Cgd.		
					0.60	0.60	108.05	St. Aren.		
					0.15	0.15	108.20	St.		
108.20	108.60	0.40	0.37	93.00	0.04	0.05	108.25	St.		
					0.13	0.15	108.40	SST. Mgd.		
					0.20	0.20	108.60	St.		Br.
108.60	109.10	0.50	0.50	100.00	0.50	0.50	109.10	St. Aren.		Vf.
109.10	111.10	2.00	1.85	93.00	1.07	1.10	110.20	St. Aren.		

BORE HOLE NO. SD - 4.

II/701

1	2	3	4	5	6	7	8	9	10	11
111.70	113.70	2.00	1.69	85.00	0.78	0.90	111.70	SST. & Sh. Intercalated		
					0.83	1.00	112.70	SST. & Sh. Intercalated		
					0.86	1.00	113.70	SST. Med.		
113.70	114.70	1.00	1.00	100.00	1.00	1.00	114.70	SST. Cgd.		
114.70	116.60	2.50	2.49	99.7	2.49	2.50	116.60	SST. Cgd.		
116.60	117.75	1.15	1.05	91.00	0.40	0.44	117.04	SST. Cgd.		
					0.09	0.09	117.13	M.P.		
					0.31	0.35	117.48	Sh.		
					0.25	0.27	117.75	SST. & Sh. Intercalated		
					0.61	0.75	118.50	SST. Fed.		
117.75	119.60	1.85	1.68	91.0	0.40	0.40	118.90	SST. & Sh. Intercalated		
					0.45	0.45	119.35	Sh.		
					0.22	0.25	119.60	SST. & Sh. Intercalated		
119.60	120.25	0.65	0.63	97.00	0.63	0.65	120.25	SST. & Sh. Intercalated		
120.25	123.25	3.00	2.83	94.00	1.58	1.70	121.95	SST. & Sh. Intercalated.		
					0.87	0.90	122.85	SST. Fed. with Sh. Laminae.		
					0.20	0.20	123.05	Sh.		
					0.18	0.20	123.25	SST. Fed.		
123.25	126.25	3.00	2.97	99.00	1.25	1.25	124.50	SST. & Sh. Intercalated		
					1.72	1.75	126.25	SST. Fed. - Med.		
					0.55	0.60	126.85	SST. Med. - Cgd.		

XVIII D

C. D. 25°

C. D. 25°

C. D. 25°

1	2	3	4	5	6	7	8	9	10	11
129.25	132.35	3.10	2.96	95.00	1.00	1.00	130.25	-do-		
					0.77	0.80	131.05	SST. & St. Intercalated		St., C.D. 25°
132.35	135.40	3.05	2.77	91.00	1.19	1.30	132.35	St.		St.
					1.67	1.85	134.20	Cst.		
135.40	138.50	3.10	2.88	93.00	1.10	1.20	135.40	C O A L		
					0.96	1.10	136.50	C O A L		
					0.16	0.16	136.66	Cst.		
					0.43	0.43	137.09	St.		
138.50	141.50	3.00	2.47	82.00	1.33	1.41	138.50	SST. & St. Intercalated		
					1.45	1.75	140.25	SST. & St. Intercalated		Sub. VFR. at 65
					0.39	0.50	140.75	SST. Negd.		C.D. 20°
					0.15	0.15	140.90	Cst.		
					0.48	0.60	141.50	C O A L		
141.50	144.50	3.00	2.59	86.00	0.06	0.10	141.60	C O A L		
					0.26	0.30	141.90	Sc.		
					0.39	0.40	142.30	St. Aren.		
					0.35	0.50	142.80	C O A L		
					0.63	0.73	143.53	St. Aren.		
					0.10	0.10	143.63	St. with C - streaks.		

XVIII B

C.D. 35°
St.
C.D. 15°

XVIII C

C.D. 30°

II/703

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
144.50	147.60	3.10	2.83	91.00	0.80	0.87	144.50	SST. & Sh. Intercolated		C.D. 15° V. fr
					0.38	0.40	144.90	Sh.		
					0.15	0.15	145.05	Gsh.		
					0.50	0.52	145.57	COAL with Gsh. bands		C.D. 15°
					0.46	0.53	146.10	Sh.		
					0.36	0.40	146.50	C O A L		
					0.10	0.10	146.60	Sh. Sideritic.		
					0.88	1.00	147.60	C O A L		
					0.19	0.20	147.80	Sh.		C.D. 10° Sub.
147.60	149.60	2.00	1.70	85.00	0.45	0.60	148.40	C O A L		Br.
					0.92	1.02	149.42	SST. Fgd. with Sh. laminae.		
					0.14	0.18	149.60	Sh.		
149.60	150.70	1.10	1.10	100.00	1.10	1.10	150.70	SST. & Sh. Intercolated		
150.70	153.75	3.05	2.75	90.00	0.45	0.45	151.15	SST. & Sh. Intercolated		
					0.43	0.43	151.58	SST. Mgd.		C.D. 15°
					0.59	0.65	152.23	Sh. aren.		
					0.31	0.45	152.68	C O A L		
					0.61	0.69	153.37	SST. Mgd. with Sh. laminae		XVIII
					0.36	0.38	153.75	COAL with Gsh. band.		Br.
153.75	156.85	3.10	3.08	99.00	0.75	0.75	154.50	C O A L		

1	2	3	4	5	6	7	8	9	10	11
156.85	159.90	3.05	2.96	97.00	0.48 0.34 0.28 0.63 0.05 0.55 1.37	0.48 0.35 0.28 0.64 0.05 0.55 1.38	154.96 155.33 155.61 156.25 156.30 156.85 158.23	Csh. C O A L Sc. SST. Fgd. with Sn. Laminae Sn. SST. Mgcl. SST. Mgcl. - Fgd. Sn. Aren.	G. D. 15°	
					0.52 0.39 0.21 0.47	0.52 0.49 0.25 0.50	158.75 159.15 159.40 159.90	C O A L Sn. Sn. Aren.		
159.90	161.90	2.00	1.93	97.00	1.93	2.00	161.90	SST. & Sn. Intercalated		
161.90	162.90	1.00	1.00	100.00	1.00	1.00	162.90	SST. & Sn. Intercalated		
162.90	165.90	3.00	2.89	96.00	0.07 0.25 0.30 0.37 1.40	0.08 0.25 0.30 0.37 1.50	162.98 163.23 163.53 164.40 165.90	SST. & Sn. Intercalated SST. Mgcl. Sn. SST. & Sn. Intercalated SST. Mgcl. - Fgd. with Sn. Laminae		
165.90	168.95	3.05	2.92	96.00	0.94 0.52 0.54 0.13	1.00 0.52 0.55 0.13	166.90 167.42 167.97 168.10	SST. & Sn. Intercalated Sn. SST. Fgd. - Mgcl. Sn.		G. D. 20°

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
168.95	172.00	3.05	2.93	96.00	0.13	0.15	168.25	C O A L		C.D. 20°
					0.66	0.70	168.95	Sh.		
					0.48	0.53	169.48	Sh. Aren.		
					0.08	0.10	169.58	Sc.		C.D. 15°
					0.85	0.85	170.43	SST. & Sh. Intercalated		
					0.71	0.73	171.16	SST. Mgcl.		
					0.16	0.16	171.32	Sh. Aren.		
					0.26	0.26	171.58	Gsh.		
					0.27	0.30	171.88	C O A L		
					0.12	0.12	172.00	Sh.		C.D. 20°
					0.20	0.20	172.20	Sh.		
172.00	174.50	2.50	2.23	89.00	0.33	0.38	172.58	SST. & Sh. intercalated		
					0.18	0.18	172.76	Sh. with C - streaks		
					0.14	0.20	172.96	C O A L		
					0.06	0.10	173.06	Gsh.		
					0.37	0.40	173.46	Sc.		
					0.12	0.12	173.58	Sh.		
					0.56	0.60	174.18	C O A L		C.D. 20°
					0.07	0.07	174.25	Gsh.		
					0.20	0.25	174.50	SST. Fgl.		
							176.30	SST. Fgl. with Sh. bands.		

Local(L-3)

1	2	3	4	5	6	7	8	9	10	11
177.50	178.40	0.90	0.73	81.0	0.73	0.90	178.40	Sh. (Cal careous)		S., Vif.
178.40	180.70	2.30	1.98	86.0	0.22	0.25	178.65	Sh.		
					0.09	0.10	178.75	Sc.		-do-
180.70	183.30	2.60	2.58	99.0	1.67	1.95	180.70	Sh. Aren.		
183.30	184.60	1.30	1.25	96.0	2.58	2.60	183.30	SST. Fgd. - Mgd. with Sh. Laminee		
184.60	187.65	3.05	2.97	97.0	1.25	1.30	184.60	SST. Fgd. - Mgd. with Sh. Laminee		
187.65	190.65	3.00	2.87	96.0	2.97	3.05	187.65	SST. Cgd.		
190.65	193.75	3.10	3.08	99.0	2.87	3.00	190.65	SST. Cgd.		
					2.04	2.04	192.69	SST. Cgd. - Mgd.		
					0.31	0.31	193.00	SST. & Sh. Intercalated		
					0.73	0.75	193.75	OOAL with Cgd.		
					0.11	0.15	193.90	Cgd. with OOAL Streaks.		
193.75	196.80	3.05	2.74	90.0	0.23	0.28	194.18	Sh. Aren.		
					0.54	0.59	194.77	SST. & Sh. Intercalated		
					0.60	0.67	195.44	Sh.		
					0.08	0.08	195.52	Sh. Aren.		
					0.04	0.04	195.56	OOAL		

Local (L-7)

C.D. 20°

11/707

1	2	3	4	5	6	7	8	9	10	11
										C.D. 20°
196.80	199.30	2.50	2.40	96.0	2.40	2.50	199.30	Sh. Aren.		
199.30	202.30	3.00	2.83	94.0	1.04	1.10	200.40	SST. Mgd. with Sh. Laminee		
202.30	204.80	2.50	2.50	100.0	1.79	1.90	202.30	Sh. Aren.		
204.80	206.25	1.45	1.45	100.0	2.50	2.50	204.80	SST. & Sh. Interbedded		
206.25	209.30	3.05	2.65	87.0	1.45	1.45	206.25	SST. & Sh. Interbedded		
209.30	211.70	2.40	2.03	85.0	1.35	1.55	207.80	SST. Fgd. with Sh. Laminee.		
					1.30	1.50	209.30	SST. & Sh. Interbedded		Br. C.D. 15°
					1.39	1.65	210.95	SST. & Sh. Interbedded		
					0.05	0.10	211.05	C O A L		Hbr C.D. 15°
					0.06	0.06	211.11	SST. Mgd.		
					0.53	0.59	211.70	Sh. Aren.		Hbr.
211.70	214.70	3.00	2.10	70.0	0.90	1.40	213.10	SST. Fgd. with Sh. Laminee		Hbr., Sl.
					0.27	0.40	213.50	Sh. Aren.		
					0.17	0.20	213.70	SST. Fgd.		
					0.76	1.00	214.70	M.P.		
214.70	217.50	2.80	1.86	66.0	0.17	0.70	215.40	SST. Fgd.		Hbr.
					1.69	2.10	217.50	Sh. Aren.		Hbr.
217.50	219.50	2.00	1.79	89.0	0.87	1.00	218.50	SST. Argill.		
					0.78	0.85	219.35	SST. Fgd. with Sh. Laminee		Sl., Fr. at 45°
					0.14	0.15	219.50	SST. Mgd. (sideritic)		Sl.

1	2	3	4	5	6	7	8	9	10	11
221.30	224.40	3.10	3.10	100.0	0.83	0.90	220.65	Sn. with C - Streaks		
					0.62	0.65	221.30	Sn.		
					0.10	0.10	221.40	Sc.		
					1.90	1.90	223.30	SST. & St. Intercalated		
					1.10	1.10	224.40	SST. Mgd. - Cgd.		
224.40	227.50	3.10	2.95	95.0	2.95	3.10	227.50	SST. Mgd. - Cgd.		
227.50	230.55	3.05	2.61	86.0	2.61	3.05	230.55	SST. Mgd. - Cgd.		
230.55	233.60	3.05	3.05	100.0	3.05	3.05	233.60	SST. Mgd. - Cgd.		
233.60	236.65	3.05	3.05	100.0	3.05	3.05	236.65	SST. Mgd. - Cgd.		
236.65	238.85	2.20	2.20	100.0	0.69	0.69	237.34	SST. Mgd. - Cgd.		
					1.51	1.51	238.85	SST. & St. Intercalated		
238.85	239.65	0.80	0.78	98.0	0.28	0.30	239.15	SST. & St. Intercalated		
					0.50	0.50	239.65	SST. Mgd.		
239.65	242.65	3.00	3.00	100.0	0.65	0.65	240.30	SST. Mgd. - Cgd.		
					1.32	1.32	241.62	COAL with Csh.		
					0.38	0.38	242.00	Jh.		
					0.65	0.65	242.65	M.F.		
242.65	244.65	2.00	1.99	100.0	1.64	1.65	244.30	Jh. with M.F. parting		
					0.35	0.35	244.65	M.F.		
244.65	245.75	1.10	1.02	93.0	0.76	0.80	245.45	M.F.		
					0.26	0.30	245.75	St.		
245.75	248.80	3.05	2.99	98.0	0.73	0.75	246.50	St.		
					0.62	0.65	247.15	St. Aren.		

C.D. 15°

XIV

Fr.

1	2	3	4	5	6	7	8	9	10	11
248.80	251.85	3.05	3.05	100.0	1.64	1.65	248.80	SST. Fgd. - Mgd.		Fr.
251.85	253.50	1.65	1.64	99.0	3.05	3.05	251.85	SST. Fgd. - Mgd. (Sideritic)		
253.50	255.40	1.90	1.80	95.0	1.64	1.65	253.50	SST. Mgd. - Ggd. (Sideritic)		Hor.
255.40	257.95	2.55	2.30	90.0	1.70	1.90	255.40	Sh.		Br.
					1.70	1.90	257.30	SST. Mgd.		
					0.60	0.65	257.95	Sh. Aren. (Sideritic)		
257.95	259.70	1.75	1.75	100.0	0.70	0.70	258.65	Sh.		
					1.05	1.05	259.70	SST. Mgd. with Sh. Laminar.		
259.70	260.30	0.50	0.50	100.0	0.50	0.50	260.30	Sh. Aren.		Br.
260.30	261.05	0.85	0.84	99.0	0.81	0.85	261.05	SST. & Sh. Interbedded		Br.
261.05	261.35	0.30	0.30	100.0	0.30	0.30	261.35	Sh. Aren.		C.D. 15°
261.35	263.15	1.80	1.52	84.0	0.10	0.10	261.45	Sh. Aren.		
					1.05	1.20	262.65	M.F. with Sh.		
					0.05	0.10	262.75	Jh.		
					0.32	0.40	263.15	Sh. Aren.		
263.15	265.65	2.50	2.29	92.0	0.11	0.15	263.30	Sh. Aren.		
					1.30	1.45	264.75	Jh. with M.F. Impregnated		
					0.50	0.50	265.25	M.F.		
					0.05	0.05	265.30	Jh. with M.F.		
					0.33	0.35	265.65	Sh. Aren.		
265.65	266.15	0.50	0.42	84.0	0.02	0.05	265.70	SST. Mgd.		Br.
					0.40	0.45	266.15	Coal with Sh. bands		

1	2	3	4	5	6	7	8	9	10	11
266.15	167.65	1.50	1.35	90.0	1.35	1.50	267.65	SST. Mgd.		
267.65	268.65	1.00	0.98	98.0	0.98	1.00	268.65	SST. Mgd.		
268.65	269.65	1.00	0.98	98.0	0.21	0.23	268.88	SST. Mgd.		
					0.55	0.55	269.43	S.		
					0.22	0.22	269.65	SST. Mgd.		
269.65	272.65	3.00	2.87	96.0	1.25	1.35	271.00	SST. & S. Interpel eted		
					1.05	1.05	272.05	SST. Mgd.		
272.65	273.15	0.50	0.50	100.0	0.57	0.60	272.65	S.. Aren.		8°
273.15	275.95	2.80	2.80	100.0	2.80	2.80	273.15	S. Aren.		Br.
275.95	278.00	2.05	2.05	100.0	2.05	2.05	275.95	SST. Mgd.		Br. Vc.
278.00	281.00	3.00	3.00	100.0	3.00	3.00	278.00	SST. Artil.		S.
281.00	282.10	1.10	1.10	100.0	1.10	1.10	282.10	SST. Mgd. (Sideritic)		
282.10	285.20	3.10	3.10	100.0	1.75	1.75	283.85	SST. Mgd. (Sideritic)		
					1.35	1.35	285.20	SST. Mgd.		
285.20	288.25	3.05	2.61	86.0	2.47	2.90	288.10	SST. Artil.		Br.
					0.14	0.15	288.25	SST. Mgd.		
288.25	291.25	3.00	2.93	98.0	0.59	0.65	288.90	SST. Mgd.		
					2.15	2.15	291.05	S. Aren.		
					0.19	0.20	291.25	SST. Mgd.		
291.25	294.25	3.00	2.81	94.0	0.70	0.80	291.95	S. Aren.		

1	2	3	4	5	6	7	8	9	10	11
294.25	297.25	3.00	3.00	100.0	0.45	0.50	292.45	Sh.	Br.	
					1.40	1.50	293.95	C O A L	Br.	
					0.26	0.30	294.25	Csh.		
					0.10	0.10	294.35	Csh.		
					2.00	2.00	296.35	Jn.		
					0.70	0.70	297.05	Jn. with M.P.		
					0.20	0.20	297.25	M.P.		
					0.52	0.52	297.77	M.P.		
297.25	299.25	2.00	2.00	100.0	0.19	0.19	297.96	Csh.		
					1.29	1.29	299.25	Sh. Iron.		
299.25	300.30	1.05	1.05	100.0	1.05	1.05	300.30	SST. Fgd.	Br.	
300.30	303.35	3.05	3.05	100.0	3.05	3.05	303.35	SST. Mgd. (Sideritic)		
303.35	306.35	3.00	2.86	95.00	1.49	1.55	304.90	SST. Mgd. (Sideritic)		
					1.37	1.45	306.35	Sh. Iron.		
306.35	308.10	1.75	1.64	94.0	1.04	1.05	307.40	Sh. Iron.		
					0.60	0.70	308.10	C O A L		
308.10	309.60	1.50	1.50	100.0	1.50	1.50	309.60	Sh. Iron.		
309.60	311.60	2.00	1.65	82.0	1.65	2.00	311.60	Sh. Iron.		
311.60	314.60	3.00	2.91	97.0	0.75	0.80	312.40	Sh. Iron.		
					0.72	0.75	313.15	SST. Fgd.		
					1.15	1.15	314.30	Sh. Iron.		

XIII

Local (L-1)

C.D. 10°

Pr. at 70° against the dip. C.D. 10°

Br., VF.

Br., VF.

1	2	3	4	5	6	7	8	9	D	11
314.60	315.80	1.20	1.05	88.0	1.05	1.20	315.80	Sh. Aren.		Sl., Pr. à t. 70° Hor.
315.80	317.80	2.00	1.95	98.0	1.05	1.10	316.90	Sh. Aren.		-do-
317.80	319.15	1.35	1.24	92.0	0.90	0.90	317.80	SST. Fgd.		-do- C. D. 10°
					0.50	0.50	318.30	SST. Fgd.		
					0.60	0.70	319.00	Sh.		Br.
					0.14	0.15	319.15	Sc.		
319.15	322.25	3.10	2.97	96.0	0.30	0.40	319.55	Sh. Aren.		
					1.10	1.10	320.65	SST. Fgd. Sideriti c.		
					0.20	0.20	320.85	Sh. Aren.		
					0.20	0.20	321.05	SST. Fgd.		
					0.61	0.61	321.66	Sh.		
					0.52	0.59	322.25	SST. Fgd.		
322.25	324.70	2.45	2.19	89.0	0.11	0.15	322.40	SST. Fgd.		
					0.23	0.25	322.65	Sc.		
					1.85	2.05	324.70	C O L. L.		
324.70	326.50	1.80	1.45	81.0	1.45	1.80	326.50	COL with Csh.		Br., VF. 10°
326.50	329.50	3.00	2.50	83.0	1.30	1.60	328.10	COL with Csh.		Br., VF.
					1.20	1.40	329.50	Sh.		Br.
329.50	331.10	1.60	1.40	87.5	1.40	1.60	331.10	Sh.		
331.10	333.10	2.00	1.98	99.0	1.98	2.00	333.10	Sh.		Br. C. D. 10°
333.10	334.15	1.05	0.95	90.0	0.10	0.10	333.20	Sh.		

XI/XII

Br., VF. 10°

Br., VF.

Br.

Br. C. D. 10°

1	2	3	4	5	6	7	8	9	10	11
369.40	372.40	3.00	2.35	78.0	0.61	0.61	369.40	St.		
					0.35	0.40	369.80	St.		Pr., G.D. 10°
					2.00	2.60	372.40	C O A L		Hbr.
372.40	375.40	3.00	2.40	80.0	2.40	3.00	375.40	C O A L		Hbr.
375.40	376.40	1.00	0.75	75.0	0.75	1.60	376.40	C O A L		Hbr.
376.40	379.40	3.00	2.64	88.0	2.64	3.00	379.40	C O A L		Hbr.
379.40	381.10	1.70	1.64	96.0	0.95	1.05	380.45	C O A L		
					0.09	0.10	380.55	Cstl.		
					0.50	0.55	381.10	St.		S., VF., Sl.
381.10	382.80	1.70	1.53	90.0	1.53	1.70	382.80	St.		
382.80	384.40	1.60	1.52	95.0	1.52	1.60	384.40	St.		VF.
384.40	387.40	3.00	2.31	77.0	0.25	0.40	384.80	St.		
					1.20	1.60	386.40	C O A L		
					0.43	0.50	386.90	Cstl.		Br., VF.
					0.43	0.50	387.40	St.		
387.40	389.40	2.00	2.00	100.0	2.00	2.00	389.40	SST. Mg ^d .		Br., VF.
389.40	390.40	1.00	0.91	91.0	0.91	1.00	390.40	SST. Mg ^d .		
390.40	393.40	3.00	2.84	95.0	2.84	3.00	393.40	SST. Mg ^d .		
393.40	396.40	3.00	3.00	100.0	1.04	1.04	394.44	SST. Mg ^d .		
					0.19	0.19	394.63	SST. & St. Intervalated		
					1.77	1.77	396.40	SST. Mg ^d . - Cgd.		
396.40	399.40	3.00	3.00	100.0	3.00	3.00	399.40	SST. Mg ^d . - Cgd.		

VIII C / D / X

VIII B

BORE HOLE NO. SD - 4.

11/715

1	2	3	4	5	6	7	8	9	10	11
399.40	402.50	3.10	3.04	98.0	1.94	2.00	401.40	SST. Cgd.		
					1.10	1.10	402.50	SST. Fgd.		
402.50	405.55	3.05	2.98	98.0	2.98	3.05	405.55	SST. Fgd.		
405.55	408.60	3.05	3.05	100.0	0.99	0.99	406.54	SST. Ngd.		
					0.10	0.10	406.64	SST. & Sh. Intercalated		
					1.96	1.96	408.60	SST. Fgd. - Mgd.		
408.60	411.65	3.05	2.96	97.0	2.96	3.05	411.65	SST. Mgd.		
411.65	414.70	3.05	2.96	97.0	0.72	0.75	412.40	SST. Mgd.		
					0.15	0.15	412.55	Csh.		
					0.52	0.55	413.10	C O A L		
					0.30	0.30	413.40	Sh.		
					0.05	0.05	413.45	Csh.		
					1.22	1.25	414.70	C O A L		
414.70	417.75	3.05	3.05	100.0	1.60	1.60	416.30	Jn.		
					0.25	0.25	416.55	M.P.		
					1.00	1.00	417.55	Jn.		
					0.20	0.20	417.75	Sh.		
417.75	420.80	3.05	3.05	100.0	3.05	3.05	420.80	Sh. Aren.		
420.80	422.60	1.80	1.79	99.0	1.79	1.80	422.60	Sh. Aren.		
422.60	424.00	1.40	1.30	93.0	1.30	1.40	424.00	Sh.		
424.00	427.05	3.05	2.97	97.0	0.07	0.10	424.10	Sh.		

Br., C. L. 10°

VIII A

Br.

1	2	3	4	5	6	7	8	9	10	11
427.05	430.10	3.05	3.05	100.0	3.05	3.05	430.10	SST. Fgdl. - Mgdl.		
430.10	433.10	3.00	2.91	97.0	0.71	0.75	430.85	SST. & S. Interolated		
					2.20	2.25	431.10	SST. Mgdl.		
433.10	436.00	2.90	2.90	100.0	2.90	2.90	436.00	SST. Mgdl.		
436.00	437.50	1.50	1.27	85.0	1.27	1.50	437.50	SST. Mgdl.		
437.50	438.50	1.00	0.74	74.0	0.15	0.20	437.70	SST. Mgdl.		
					0.14	0.20	437.90	Sr.		Br., Fr at 30° S.
					0.45	0.60	438.50	C O L L		Fr., Fr. at 30°
438.50	440.00	1.50	1.07	69.0	0.86	1.25	439.75	Csh. with C - streaks		Hbr., S.
					0.18	0.25	440.00	Sr.		Hbr., S.
440.00	441.55	1.55	1.08	70.0	0.18	0.30	440.30	Sr.		Hbr., S.
					0.38	0.50	440.80	C O L L		Hbr., S.
					0.52	0.75	441.55	Sc.		
441.55	442.00	0.45	0.39	87.0	0.39	0.45	442.00	Sc.		
442.00	443.50	1.50	1.15	77.0	1.15	1.50	443.50	Csh. with C - streaks		
443.50	445.50	2.00	1.58	79.0	0.50	0.70	444.20	C O L L		
					0.53	0.60	444.80	Csh.		
					0.55	0.70	445.50	Sc.		
445.50	446.75	1.25	0.95	76.0	0.03	0.05	445.55	Sr.		
					0.20	0.25	445.80	Csh.		
					0.72	0.95	446.75	C O L L		Br.
446.75	448.95	2.20	1.55	70.0	1.55	2.20	448.95	COLL with Csh.		Br., Fr.

V/VI/VII

Vf., Hbr.
Vf., Hbr.

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
448.95	449.70	0.75	0.45	60.0	0.45	0.75	449.70	0 0 A.L. vđ th Csh.		Fr. at 70°
449.70	450.50	0.80	0.45	56.0	0.45	0.80	450.50	00AL vđ th Csh.		Sl., Hbr.
450.50	451.30	0.80	0.30	38.0	0.30	0.80	451.30	0 0 A.L. vđ th Csh.		-do-
451.30	452.00	0.70	0.25	36.0	0.25	0.70	452.00	0 0 A.L. vđ th Csh.		
452.00	452.90	0.90	0.29	32.0	0.29	0.90	452.90	Csh.		
452.90	453.70	0.80	0.40	50.0	0.40	0.80	453.70	Csh. vđ th minor Sc.		Hbr., Fr. at 70°
453.70	454.50	0.80	0.20	25.0	0.20	0.80	454.50	Csh. vđ th minor Sc.		Hbr., Fr. at 70°
454.50	456.60	2.10	1.80	86.0	1.80	2.10	456.60	0 0 A.L.		Br., Ft at 50°
456.60	458.10	1.50	1.40	93.0	1.40	1.50	458.10	Sc. vđ th Csh.		
458.10	459.60	1.50	1.20	80.0	1.20	1.50	459.60	Sc. vđ th Csh.		VI., Br.
459.60	460.85	1.25	0.95	76.0	0.95	1.25	460.85	Sc. vđ th Csh.		Br.
460.85	462.85	2.00	1.74	87.0	1.72	1.95	462.80	SST. Aritty		
462.85	463.10	0.25	0.18	72.0	0.15	0.15	463.00	Sh.		
463.10	466.20	3.10	3.02	97.0	0.03	0.10	463.10	Sh. Gritty.		
					0.38	0.40	463.50	SST. Gritty.		
					0.38	0.40	463.90	0 0 A.L.		
					0.26	0.26	464.16	Csh.		
					0.45	0.45	464.61	Sh. Aren.		
					1.55	1.59	466.20	SST. Fgd. - Mg.		

V/VI/VII

BORE HOLE NO. SD - 4.

1	2	3	4	5	6	7	8	9	10	11
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466.20 469.25 3.05 2.92 36.0 0.88 1.00 467.20 SST. Grt lby
 0.08 0.08 467.28 Cbn.
 1.05 1.05 468.33 Sh. with minor C - specks.
 0.75 0.75 469.08 Sh. aren.
 0.16 0.17 469.25 SST. Fgd.

BORE HOLE CLOSED AT 469.25 M. ON 6.5.1978

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. SD - 4.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

II/719.

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local(L-11)	75.83	76.10	0.27	
XVIII D	117.04	117.48	0.44	
XVIII C	134.20	136.50	2.30	
XVIII B	140.90	141.78	0.88	
XVIII A	146.14	148.40	2.26	
XVIII	153.34	154.58	1.24	
Local (L-8)	173.862	174.18	1.32 0.56	
Local (L-7)	193.00	193.58	0.58 0.58	
XIV	240.30	245.45	5.15	G, Jh.+M.P.
XIII	292.45	297.05	4.60	G, Jh.+M.P.
Local (L-1)	307.40	308.10	0.70	
XI/XII	322.40	328.10	5.70	
VIII C/IX/X	369.80	380.40	10.60	
VIII B	385.24	386.40	1.16	
VIII A	413.62	417.55	3.93	G, Jh.+M.P.
V/VI/VII	437.90	456.43	18.53	(Part faulted)

Latitude : 19884.1469
Departure: 22925.2033

R. L. of Dollar : 190.79 m.
Depth drilled : 491.70 m.

Date of commencement : 15.3.1978
Date of completion : 3.5.1978
All dimensions in metre:

R U N		Thickness		RECOVERY		THICKNESS.		Depth of Floor	L I T H O L O G Y	Sam Correlation	Structural Features.
From	To	3	4	Recoverd	Percent Recovered	Recoverd	Extrapolated.				
1	2	3	4	5	6	7	8	9	10	11	
0.00	3.00	3.00	-	-	-	-	2.00	Sandy soil.	Weathered zone		
3.00	6.00	6.00	-	-	-	-	6.00	Sandy soil.			
6.00	6.90	0.90	0.43	48.0	0.43	0.90	6.90	Sh. Aren.	Br. C.D. 35°		
6.90	7.60	0.70	0.60	86.0	0.60	0.70	7.60	Sh. Aren.	Br.		
7.60	8.90	1.30	1.01	78.0	1.01	1.30	8.90	Sh. Aren.	Br.		
8.90	9.70	0.80	0.39	49.0	0.39	0.80	9.70	SST. Mgd.	C.D. 35°		
9.70	10.75	1.05	0.47	44.76	0.47	1.05	10.75	SST. Mgd.	Br.		
10.75	11.65	0.90	0.84	93.33	0.84	0.90	11.65	SST. Mgd.	C.D. 40°		
11.65	12.50	0.85	0.75	88.23	0.75	0.85	12.25	SST. Mgd.	Br.		
							12.50	Sh.	Hbr.		
12.50	14.40	1.90	0.88	46.31	0.88	0.90	13.40	Sh. Aren.	C.D. 30°		
							14.40	SST. Fgd.	Hbr. C.D. 25°		
14.40	14.90	0.50	0.33	66.00	0.33	0.50	14.90	SST. Fgd.	Hbr. C.D. 30°		
14.90	16.40	1.50	1.28	85.33	0.45	0.50	15.40	Sh. Aren.	Local (1-8)		

1	2	3	4	5	6	7	8	9	10	11
16.40	19.00	2.60	0.56	21.53	0.67	0.80	16.40	Jh. with N.P.	Local(L-8)	Br.
19.00	20.00	1.00	0.40	40.00	0.50	2.40	18.30	Jh.		Br.
20.00	20.45	0.45	0.32	71.11	0.06	0.20	19.00	Cen.		Br.
20.45	20.85	0.40	0.24	60.00	0.29	0.70	19.70	SST. Mg ^d .		Br.
20.85	21.35	0.50	0.38	76.0	0.11	0.30	20.00	SST. Mg ^d .		Br.
21.35	22.35	1.00	0.68	68.00	0.29	0.70	20.00	Sh. Aren.		Br.
22.35	23.85	1.50	1.47	98.00	0.11	0.45	20.45	Sh. Aren.		Br.
23.85	26.15	2.30	2.22	96.92	0.32	0.45	20.85	SST. & Sh. Intercalated		Br.
26.15	27.45	1.30	1.28	98.46	0.24	0.40	21.35	Sh. Aren.	Local	Br.
27.45	28.95	1.50	1.43	95.33	0.38	0.50	21.55	C O A L		Br.
28.95	30.40	1.45	1.01	69.65	0.13	0.20	22.35	Sh.		Br.
30.40	31.95	1.55	0.94	60.64	0.55	0.80	23.85	SST. Mg ^d with Sh. Laminae		Br.
					1.47	1.50	26.15	SST. Mg ^d .		Br.
					2.22	2.30	27.45	SST. & Sh. Intercalated		Br.
					1.28	1.30	28.95	Sh. Aren.		Br.
					1.43	1.50	29.25	C O A L		Br.
					0.12	0.30	30.25	SST. & Sh. Intercalated		Br.
					0.74	1.00	30.40	Sh.		Br.
					0.15	0.15	30.55	Sh.		Br.
					0.11	0.15	31.70	SST. & Sh. Intercalated		Br.
					0.67	1.15	31.80	C O A L		Br.

1	2	3	4	5	6	7	8	9	10	11
31.95	33.95	2.00	1.36	68.00	0.86	1.30	33.25	SST. & Sh. Intercalated		
					0.50	0.70	33.95	Sh. with C - streaks		Br.
33.95	35.05	1.10	0.96	87.27	0.22	0.25	34.30	Sh. with C - streaks		
					0.27	0.30	34.50	Sc.		C.D. 30°
					0.47	0.55	35.05	SST. & Sh. Intercalated		Br.
35.05	36.55	1.50	1.02	68.00	0.39	0.60	35.65	SST. & Sh. Intercalated		
					0.63	0.90	36.55	Sh. Aren.		
36.55	37.50	0.95	0.95	100.0	0.18	0.18	36.73	Sc.		
					0.25	0.25	36.98	Sh.		
					0.41	0.41	37.39	Sh. Aren.		
					0.11	0.11	37.50	C O A L		
37.50	38.75	1.25	1.18	94.40	0.06	0.10	37.60	C O A L		
					1.12	1.15	38.75	SST. & Sh. Intercalated		C.D. 20°
38.75	41.25	2.50	2.44	97.60	0.44	0.45	39.20	Sh. Aren.		
					0.15	0.20	39.40	Sc.		
					1.85	1.85	41.25	SST. & Sh. Intercalated		
41.25	44.35	3.10	3.06	98.70	2.39	2.40	43.65	SST. & Sh. Intercalated		
					0.67	0.70	44.35	SST. Med. with Sh. laminae		
44.35	46.90	2.55	2.53	99.21	1.02	1.04	45.39	SST. & Sh. Intercalated (Sideritic)		
					0.93	0.93	46.32	SST. Fgd. - Med. with Pyritic		Vfr.

1	2	3	4	5	6	7	8	9	10	11
46.90	49.35	2.45	1.99	81.22	0.43	0.43	46.75	M.P.		Baked
					0.15	0.15	46.90	Csh.		
					0.19	0.20	47.10	Csh. with C - streaks		
					0.29	0.35	47.45	SST. Fgd.		S., Sub. Vfr
					0.52	0.60	48.05	Sh.		
					0.20	0.30	48.35	Csh.		Br.
					0.12	0.15	48.50	Sh.		Br.
					0.08	0.15	48.65	Csh. (Sideritic)		Br.
					0.59	0.70	49.35	Sh. Aren.		Br.
49.35	52.10	2.75	2.62	95.27	1.82	1.90	51.25	Sh. Calcareous		Sl.
					0.80	0.85	52.10	SST. Fgd.		Sl.
52.10	53.15	1.05	0.76	72.38	0.76	1.05	53.15	SST. Fgd. - Mgd.		
53.15	54.25	1.10	1.10	100.0	1.10	1.10	54.25	SST. Mgd. - Cgd.		
54.25	55.35	1.10	0.96	87.27	0.96	1.10	55.35	SST. Mgd. - Cgd.		C.D. 5°
55.35	57.60	2.25	2.30	88.38	2.00	2.25	57.60	SST. Mgd. - Fgd.		
57.60	59.40	1.80	1.78	98.88	0.26	0.26	57.86	SST. Mgd. - Fgd.		
					0.18	0.18	58.04	SST. & Sh. Intercalated		
					0.22	0.22	58.26	SST. Mgd.		
					1.12	1.14	59.40	SST. & Sh. Intercalated		
59.40	62.50	3.10	2.98	96.12	0.66	0.75	60.15	Sh. Aren.		
					0.28	0.28	60.43	SST. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
62.50	64.80	2.30	2.30	100.0	1.29	1.32	62.50	SST. & Sh. Intercalated	Br.	
					0.40	0.40	62.90	SST. Mgcl. with Sh. laminae.		
					0.35	0.35	63.25	C O A L		Br., C.D. 15°
					0.08	0.08	63.33	Cal.		
					0.13	0.13	63.46	Sh.		
					0.55	0.55	64.01	Il. P.		
					0.79	0.79	64.80	Sh. with C - bands		
64.80	66.00	1.20	1.14	95.00	0.65	0.70	65.50	Sh.		
					0.49	0.50	66.00	C O A L		C.D. 20°
66.00	68.50	2.50	2.35	94.00	2.35	2.50	68.50	C O A L		Br., C.D. 20°
68.50	70.00	1.50	1.27	84.66	0.56	0.70	69.20	C O A L		Br.
					0.30	0.31	69.51	Sh.		
					0.41	0.49	70.00	SST. Mgcl.		
70.00	70.75	0.75	0.72	96.00	0.72	0.75	70.75	SST. Mgcl.		
70.75	70.85	0.10	0.10	100.0	0.10	0.10	70.85	SST. & Sh. Intercalated		
70.85	73.30	2.45	2.35	95.91	0.16	0.20	71.05	SST. & Sh. Intercalated		
					1.95	2.00	73.05	SST. Mgcl. - Cgd.		
					0.09	0.10	73.15	C O A L		
					0.15	0.15	73.30	Osh.		
73.30	74.50	1.20	1.20	100.0	0.50	0.50	73.80	Sh.		
					0.14	0.14	73.94	Sh. with C - streaks.		

XVII A

local.

1	2	3	4	5	6	7	8	9	10	11
74.50	77.55	3.05	2.96	97.04	0.19	0.19	74.13	Sc.		C. D. 10°
					0.37	0.37	74.50	Sh. Aren.		
					0.91	0.95	75.45	Sh. Aren.		
					1.60	1.60	77.05	SST. & Sh. Intercalated		
					0.45	0.50	77.55	SST. Mgd.		C. D. 10°
					2.89	2.94	80.49	SST. Mgd. - Cgd.		
77.55	80.60	3.05	3.00	98.36	0.03	0.03	80.52	Cgd.		
					0.08	0.08	80.60	SST. Mgd.		
80.60	83.60	3.00	3.00	100.0	2.15	2.15	82.75	SST. Cgd.		
					0.85	0.85	83.60	SST. & Sh. Intercalated		Sub. Vfr.
83.60	86.65	3.05	3.05	100.0	0.04	0.04	83.64	SST. & Sh. Intercalated		
					0.15	0.15	83.79	C O A L		
					0.28	0.28	84.07	SST. & Sh. Intercalated		
					0.10	0.10	84.17	C O A L		
					1.18	1.18	85.35	SST. & Sh. Intercalated		
					0.55	0.55	85.90	SST. Fgd.		
					0.75	0.75	86.65	SST. & Sh. Intercalated		
86.65	89.65	3.00	2.85	95.00	0.29	0.30	86.95	SST. & Sh. Intercalated		
					0.15	0.15	87.10	Gsh.		
					0.48	0.51	87.61	C O A L		
					0.66	0.70	88.31	SST. & Sh. Intercalated		

Local

Local.

Br.

1	2	3	4	5	6	7	8	9	10	11
89.65	90.15	0.50	0.27	54.00	0.27	0.50	90.15	C O A L	XVII	Br. G.D. 15°
90.15	91.55	1.40	1.24	88.57	0.75	0.90	91.05	C O A L		
					0.49	0.50	91.55	Sh.		
91.55	93.35	1.80	1.80	100.0	1.20	1.20	92.75	SST. & Sh. Intercolated		
					0.60	0.60	93.35	SST. Mgcl.		
93.35	96.50	3.15	3.08	97.77	0.70	0.75	94.10	SST. Mgcl.		
					0.30	0.30	94.40	SST. & Sh. Intercolated		
					0.82	0.82	95.22	SST. Mgcl.		
					0.53	0.53	95.75	SST. & Sh. Intercolated		
					0.73	0.75	96.50	SST. Fgd.		
96.50	97.70	1.20	1.17	97.50	1.17	1.20	97.70	SST. Fgd. with Sh. Laminae		
97.70	99.50	1.80	1.72	95.55	1.72	1.80	99.50	SST. Mgcl.		
99.50	102.60	3.10	3.10	100.00	2.15	2.15	101.65	SST. Mgcl.		
					0.95	0.95	102.60	SST. & Sh. Intercolated		
102.60	105.60	3.00	0.01	99.66	2.99	3.00	105.60	SST. & Sh. Intercolated		
105.60	107.30	1.70	0.04	97.64	1.09	1.10	106.70	SST. & Sh. Intercolated		
					0.04	0.05	106.75	C O A L		
					0.53	0.55	107.30	SST. & Sh. Intercolated		
107.30	110.45	3.15	3.11	98.73	2.30	2.30	109.60	SST. & Sh. Intercolated		

G.D. 15°

BORE HOLE NO. SD - 5.

II/727

1	2	3	4	5	6	7	8	9	p	11
110.45	112.95	2.50	2.37	94.80	0.81	0.85	110.45	SST. Rgd.	Local(L-6)	C.D. 10°
					1.05	1.11	111.56	SST. & Sh. Intercalated		
					0.19	0.19	111.75	Osh.		
					1.13	1.20	112.95	C O A L	Local(L-5)	Sub. V. Fr. 60°
112.95	113.25	0.30	0.23	76.66	0.23	0.30	113.25	SST. & Sh. Intercalated		
113.25	116.25	3.00	2.72	90.66	0.23	0.25	113.50	SST. Mgd.		
					0.10	0.10	113.60	Osh.	Local	C.D. 10°
					0.50	0.60	114.20	Sc.		
					0.25	0.30	114.50	Sh.		
					0.83	0.87	115.37	SST. Mgd.	Local(L-4)	C.D. 15°
					0.53	0.60	115.97	C O A L		
					0.28	0.28	116.25	Osh. with C - streaks		
116.25	118.35	2.10	2.10	100.00	0.16	0.16	116.41	Sh.	Local(L-3)	C.D. 15°
					0.90	0.90	117.31	Sh. Aren.		
					1.04	1.04	118.35	SST. & Sh. Intercalated		
118.35	121.40	3.05	3.04	99.67	1.08	1.08	119.43	SST. & Sh. Intercalated	Local(L-2)	C.D. 15°
					1.96	1.97	121.40	SST. Mgd.		
					0.12	0.12	121.52	SST. Mgd.		
121.40	122.50	1.10	1.06	96.36	0.21	0.23	121.75	Sh.	Local(L-1)	C.D. 15°
					0.52	0.52	122.27	C O A L		
					0.21	0.23	122.50	Sh.		

1	2	3	4	5	6	7	8	9	10	11
122.50	124.55	2.05	2.04	99.51	0.02	0.02	122.52	Jh.	Local (L-4)	
					0.24	0.24	122.76	N.F.		
					0.24	0.20	122.96	Jh.		
					0.14	0.14	123.10	M.F.		
					0.16	0.17	123.27	Jh.	C.D. 15°	
					0.08	0.08	123.35	Sh. Aren.		
					1.20	1.20	124.55	SST. Med.		
124.55	127.55	3.00	2.93	97.66	1.73	1.80	126.35	SST. Med.		
					0.35	0.35	126.70	Sh.	Local (L-3)	
					0.85	0.85	127.55	SST. & Sh. Interrelated		
127.55	130.55	3.00	2.95	98.33	2.72	2.75	130.30	SST. & Sh. Interrelated		
					0.23	0.25	130.55	C O A L		
130.55	131.85	1.30	1.77	90.00	0.98	1.10	131.65	C O A L	C.D. 10°	
					0.19	0.20	131.85	Sh.		
131.85	133.85	2.00	2.00	100.0	2.00	2.00	133.85	SST. Fgd. - Med.		
133.85	136.95	3.10	3.10	100.0	1.70	1.70	135.55	SST. Med.		
					0.02	0.02	135.57	C O A L	C.D. 15°	
					0.54	0.54	136.11	Sh. Aren.		
					0.48	0.48	136.59	SST. Fgd.		
					0.23	0.23	136.82	Sh. Aren.		
					0.13	0.13	136.95	SST. Fgd.		

BORE HOLE NO. SD - 5.

II/729

1	2	3	4	5	6	7	8	9	D	11
136.95	140.05	3.10	3.08	99.35	3.08	3.10	140.05	SST. Fgd. - Mgd.		
140.05	143.05	3.00	2.96	98.66	2.96	3.00	143.05	SST. Mgd. - Cgd.		
143.05	146.15	3.10	3.00	96.77	0.90	1.00	144.05	SST. & Sh. Intercalated		
					0.07	0.07	144.12	SST. Cgd.		
					0.06	0.06	144.18	C O A L		Br.
					1.87	1.87	146.05	SST. Mgd. - Cgd.		
					0.10	0.10	146.15	Sh. with C - streaks		
146.15	147.25	1.10	0.99	90.00	0.36	0.30	146.45	Sh. with C - streaks		Local (L-2)
					0.32	0.35	146.80	Sc.		Br. C.D. 10°
					0.41	0.45	147.25	C O A L		
147.25	149.20	1.95	1.71	87.69	0.15	0.20	147.45	C O A L		
					1.56	1.75	149.20	SST. & Sh. Intercalated		C.D. 15°
149.20	152.05	2.85	2.77	97.19	2.14	2.20	151.40	Sh.		V.Pr.
					0.63	0.65	152.05	SST. & Sh. Intercalated		
152.05	155.05	3.00	2.90	96.66	0.08	0.08	152.13	Sh. Aren.		
					0.06	0.06	152.19	Sh.		
					0.22	0.22	152.41	Sh. Aren.		
					0.67	0.67	153.08	SST. & Sh. Intercalated		
					1.66	1.72	154.80	SST. Fgd. - Mgd. with Sh. laminae		
					0.21	0.25	155.05	Sh.		XVID
155.05	157.15	2.10	2.03	96.66	0.75	0.80	155.85	C O A L		Br.

1	2	3	4	5	6	7	8	9	10	11
157.15	159.95	2.80	2.72	97.14	0.86	0.90	158.05	C O A L	XVII D	Br.
					0.30	0.30	158.35	St. Aren.		Hbr.
					0.18	0.20	158.55	C O A L		
					1.38	1.40	159.95	St.		
159.95	163.05	3.10	3.05	98.38	0.24	0.25	160.20	St.	XVI C	
					1.80	1.80	162.00	SST. & St. Intercalated		
					0.33	0.35	162.35	SST. Mgd. with St. bands.		
					0.68	0.70	163.05	SST. Cgd.		
163.05	166.10	3.05	3.00	98.36	0.64	0.69	163.74	SST. Cgd.		
					0.51	0.51	164.25	SST. & St. Intercalated		C. D. 20°
					0.25	0.25	164.50	SST. Mgd.	XVI C	
					1.50	1.50	166.00	SST. & St. Intercalated		
					0.10	0.10	166.10	St.		
166.10	169.15	3.05	2.91	95.40	0.11	0.15	166.25	C O A L		
					2.80	2.90	169.15	SST. Mgd. with St. 1 annu.	XVI C	
169.15	172.20	3.05	2.62	85.90	1.27	1.35	170.50	SST. Fgd. with St. 1 annu.		
					0.33	0.45	170.95	St.		
					1.02	1.25	172.20	C O A L		
172.20	173.60	1.40	1.25	89.28	0.90	1.05	173.25	C O A L		

BORE HOLE NO. SD - 5.

IL/731

1	2	3	4	5	6	7	8	9	10	11
173.60	176.60	3.00	2.52	84.00	0.35	0.35	173.60	Sh. Aren.		
					0.10	0.15	173.75	Sh. Aren.		gr.
					1.70	2.00	175.75	SST. & Sh. Interclated		
					0.75	0.85	176.60	SST. Mgd.		
176.60	179.60	3.00	2.68	89.33	0.66	0.70	177.30	SST. Mgd.		
					0.38	0.40	177.770	SST. Mgd. with Sh. Laminæ.		
					0.72	0.85	178.55	Sh. with C-Streaks at the bottom.		
					0.36	0.40	178.95	Sh. Aren.		
					0.56	0.65	179.60	SST. & Sh. Interclated		
179.60	182.60	3.00	2.01	67.00	1.30	1.80	181.40	SST. & Sh. Interclated		
					0.36	0.40	181.80	Sh.		
					0.45	0.80	182.60	Csh.		
182.60	185.00	2.40	1.94	80.83	0.23	0.35	182.95	Sh.		
					0.40	0.40	183.35	M.F.		
					0.43	0.50	183.85	Sh. with Csh.		
					0.75	0.95	184.80	C O A L		
					0.13	0.20	185.00	Sh. with C - streaks		
185.00	185.75	0.75	0.71	94.66	0.15	0.15	185.15	C O A L		
					0.56	0.60	185.75	Sh. with C - streaks in the middle.		

XVI B

Br.

1	2	3	4	5	6	7	8	9	10	11
					0.06	0.10	186.45	Qch.		
					0.34	0.35	186.80	Sh.		
					0.50	0.50	187.30	Sc.		
					0.16	0.16	187.46	Sh.		
					0.05	0.05	187.51	C O L L		
					0.24	0.24	187.75	Sh.		
187.75	188.25	0.50	0.47	94.00	0.47	0.50	188.25	Sh. Aren.		
188.25	190.85	2.60	2.53	97.30	0.01	0.01	188.26	Sh. Aren.		
					0.85	0.90	189.16	C O L L		
					0.23	0.25	189.41	Sh.		
					0.66	0.66	190.07	Sh. Aren.		
					0.78	0.78	190.85	SST. & Sh. Interbedded		
190.85	193.85	3.00	3.00	100.0	0.40	0.40	191.25	SST. & Sh. Interbedded		
					1.20	1.20	192.45	SST. Fgd. with Sh. lamine.		
					1.40	1.40	193.85	SST. Mgd. - Ggd.		
193.85	196.95	3.10	3.10	100.0	0.66	0.66	194.51	SST. Mgd. - Ggd.		
					0.30	0.30	194.81	SST. Ggd. with quartz pebble at the top.		
					2.14	2.14	196.95	SST. Mgd. - Ggd.		
196.95	200.00	3.05	2.90	95.08	1.00	1.03	197.98	SST. Mgd. - Ggd.		
					0.32	0.32	198.30	SST. Grit.		
					0.15	0.15	198.45	SST. Grit. with Sh. bands.	XVI	Sh.

Local

XVI A

Br.

1	2	3	4	5	6	7	8	9	10	11
216.30	219.35	3.05	3.05	100.0	3.05	3.05	219.35	SST. Mgd.		C.D. 5°
213.30	216.30	3.00	2.95	98.33	0.35	0.35	213.65	SST. Mgd.		
211.80	213.30	1.50	1.48	98.66	1.40	1.40	213.20	SST. Mgd.		
209.15	211.80	2.65	2.48	93.58	1.18	1.20	210.35	SST. Mgd. - Ogd.		
206.10	209.15	3.05	3.05	100.0	3.05	3.05	209.15	SST. Mgd. - Ogd.		
203.05	206.10	3.05	3.05	100.0	0.65	0.65	203.70	SST. Mgd. with Sh. parting (slender c)		
					0.50	0.50	204.20	SST. Mgd. with Sh. parting (slender c)		
					0.64	0.65	203.05	Sh. aren.		
					0.65	0.65	203.70	Sh. aren.		
					2.22	2.25	202.40	Sh. with C - streaks in the middle.		
200.00	203.05	3.05	3.00	98.36	0.14	0.15	200.15	Csh.		
					0.52	0.55	200.00	C. with Sh. bands	XVI	Br. C.D. 8°
					0.46	0.50	199.45	Sh. with C - streaks		Br. C.D. 8°
					0.45	0.50	198.95	C.O.A.L.		

SST. Ogd. with Quartz pebble in the middle.

Br.
Sl., Fr. 60°
Sl.

C.D. 8°

1	2	3	4	5	6	7	8	9	T	11
222.40	225.50	3.10	3.05	98.38	3.05	3.10	225.50	SST. Mgd.		C.D. 15°
225.50	228.55	3.05	2.99	98.03	0.74	0.75	226.25	SST. Mgd.		
					1.13	1.15	227.40	Sh. Aren.		S. Vfr.
					1.12	1.15	228.55	SST. Mgd.		
228.55	230.85	2.30	2.30	100.0	0.44	0.44	228.99	SST. Mgd.		
					0.80	0.80	229.79	Sh.		S. C.D. 10°
					0.07	0.07	229.86	Csh.		
					0.06	0.06	229.92	quartz pebble.		
					0.06	0.06	229.98	Sh. with M.F.		
					0.15	0.15	230.13	Sh.		
					0.20	0.20	230.33	Csh.		
					0.52	0.52	230.85	Sh. with M.F.		
230.85	233.90	3.05	2.89	94.75	2.65	2.75	233.60	Sh. with Csh. band in the middle.		XV
					0.19	0.25	233.85	G O A L		Hor. C.D. 6°
					0.05	0.05	233.90	Sh.		Vfr.
233.90	236.90	3.00	3.00	100.0	0.96	0.96	234.86	Sh. Aren.		
					2.04	2.04	236.90	SST. Fgd. - Mgd. with Sh. laminae		
236.90	240.00	3.10	3.08	99.35	0.27	0.27	237.17	SST. Fgd. - Mgd. with Sh. laminae.		
					0.29	0.29	237.46	SST. Cgd.		
					0.04	0.04	237.50	G O A L		

1	2	3	4	5	6	7	8	9	10	11
240.00	242.90	2.90	2.03	99.31	0.36	0.36	237.86	SST. Mgcl. with Cst. parting		
					2.12	2.14	240.00	SST. Rgd. - Mgcl.		
					2.45	2.45	242.45	SST. Qgd.		
					0.11	0.11	242.56	SST. Qgd. with St. laminae		
					0.32	0.34	242.90	SST. Mgcl.		
242.90	246.00	3.10	3.09	99.67	0.53	0.53	243.43	SST. Mgcl.		
					1.42	1.42	244.85	St. with C - streaks		
					1.14	1.15	246.00	St. Aren.		
246.00	248.50	2.50	2.50	100.0	0.60	0.60	246.60	SST. Rgd.		
					1.90	1.90	248.50	SST. Rgd. - Mgcl. with St. laminae		
248.50	251.50	3.00	2.64	86.00	0.80	0.90	249.40	SST. & St. Intercolated		
					1.84	2.10	251.50	SST. Mgcl.		
251.50	254.00	2.50	2.25	90.00	2.25	2.50	254.00	SST. Mgcl.		
254.00	256.50	2.50	2.15	86.00	0.11	0.15	254.15	SST. & St. Intercolated		
					0.60	0.75	254.90	C O A L		
					0.08	0.10	255.00	St.		
					0.59	0.70	255.70	St. Aren.		
					0.77	0.80	256.50	M.F.		
256.50	259.60	3.10	3.04	98.06	1.00	1.00	257.50	M.F.		
					0.06	0.06	257.56	Cst.		

Local.

1	2	3	4	5	6	7	8	9	10	11
259.65	262.60	3.00	2.70	96.66	0.29	0.29	257.91	SST. Fgd.		
					0.20	0.20	258.11	Sh. Aren.		
					0.15	0.15	258.26	Cst. with N.P. veins.		
					1.25	1.34	259.60	C O A L		
					0.74	0.80	260.40	Sh. with C - streaks.		
					0.85	0.90	261.30	Sh. Aren.		
					1.28	1.30	262.60	SST. Fgd.		
262.60	265.65	3.05	3.00	98.36	0.67	0.67	263.27	SST. Fgd. - Mgd.		
					0.69	0.69	263.96	SST. Fgd. with Sh. laminae.		
					1.64	1.69	265.65	SST. Cgd.		
265.65	268.70	3.05	3.05	100.0	1.	1.40	267.05	SST. Cgd.		
					1.65	1.65	268.70	Sh. Aren.		
268.70	271.80	3.10	3.03	97.74	0.80	0.85	269.55	Sh. Aren.		
					2.15	2.15	271.70	SST. Fgd. - Mgd.		
					0.05	0.05	271.75	Quartz pebbles		
					0.03	0.05	271.80	SST. Fgd.		
271.80	274.55	2.75	2.69	97.81	1.85	1.85	273.65	SST. Fgd. - Mgd.		
					0.14	0.15	273.80	SST. Cgd. with quartz pebbles		
					0.14	0.15	273.95	C O A L		
					0.49	0.50	274.45	Sh. with C - streaks.		
					0.07	0.10	274.55	C O A L		

XIV

Local

1	2	3	4	5	6	7	8	9	10	11
274.55	277.65	3.10	3.07	99.03	0.32	0.32	274.87	Sh.		
					0.09	0.09	274.96	O O A L		
					0.70	0.70	275.66	Sh. Aren.		
					1.96	1.99	277.65	SST. Fgd. - Mgd. with Sh. parting		
277.65	279.80	2.15	2.15	100.0	0.30	0.30	277.95	SST. Fgd.		
					1.85	1.85	279.80	Sh. Aren.		C.D. 8°
279.80	282.80	3.00	2.97	99.00	2.08	2.10	281.90	Sh. Aren.		
					0.89	0.90	282.80	SST. Ggd.		
282.80	285.85	3.05	3.05	100.0	3.05	3.05	285.85	SST. Ggd. - Grt +		
285.85	288.25	2.40	2.36	98.33	0.27	0.30	286.15	Sh. with C - streaks		
					2.09	2.10	288.25	SST. & Sh. Intercalated		
288.25	289.45	1.20	1.20	100.0	1.20	1.20	289.45	SST. & Sh. Intercalated		
289.45	291.35	1.90	1.87	98.42	0.07	0.10	289.55	Gsh.		
					1.80	1.80	291.35	SST. & Sh. Intercalated		
291.35	294.40	3.05	3.05	100.0	1.05	1.05	292.40	Sh. Aren.		
					0.60	0.60	293.00	SST. Fgd. with Sh. Laminæ.		
					0.25	0.25	293.25	Sh.		
					1.15	1.15	294.40	SST. & Sh. Intercalated.		
294.40	297.45	3.05	3.05	100.0	1.87	1.87	296.27	SST. & Sh. Intercalated		
					1.03	1.03	297.30	Sh. Aren.		
					0.15	0.15	297.45	SST. Mgd.		

1	2	3	4	5	6	7	8	9	D	11
300.50	302.25	1.75	1.67	95.42	0.65	0.70	301.80	Sh.		VF.
					0.50	0.50	301.70	SSL & Sh. Intercolated		VF.
					0.52	0.55	302.25	Sh.		
302.25	304.55	2.30	2.15	93.47	0.70	0.75	303.00	Sh.		VF.
					0.40	0.45	303.45	SSL, Pgd.		
					1.05	1.10	304.55	Sh.		
304.55	306.15	1.60	1.38	86.25	1.38	1.60	306.15	C.O.A.L		C.D. 7° Br. VI.
306.15	308.35	2.20	1.92	87.27	0.33	0.40	306.55	C.O.A.L		VF.
					0.19	0.20	306.75	Gsh.		Br.
					1.40	1.50	308.35	C.O.A.L		Br., VF.
308.35	309.85	1.50	1.30	86.66	1.30	1.50	309.85	C.O.A.L		Br., VF.
309.85	312.95	3.10	2.93	94.51	0.05	0.10	309.95	C.O.A.L		
					0.30	0.35	310.30	Sh.		
					1.23	1.30	311.60	SSL (Avgill)		
					1.35	1.35	312.95	Sh. Inter.		
312.95	316.00	3.05	2.99	98.03	0.65	0.65	313.60	SSL, Pgd.		
					0.15	0.15	313.75	SSL & Sh. Intercolated		
					1.53	1.55	315.30	SSL, Pgd.		
					0.15	0.15	315.45	Sh.		
					0.47	0.50	315.95	C.O.A.L		
					0.04	0.05	316.00	Sh.		

XIII

Local(L-1)

Br., VF.

1	2	3	4	5	6	7	8	9	10	11
316.00	319.05	3.05	3.02	99.01	1.83	1.85	317.85	SST. & Sh. Intercolated		
319.05	320.95	1.90	1.83	98.94	1.19	1.20	319.05	Sh. Aren.		
320.95	322.35	2.40	1.92	80.00	1.70	1.70	320.75	Sh. Aren.		
323.35	326.15	2.80	2.64	94.28	0.18	0.20	320.95	SST. Fgd.		
					1.48	1.70	322.65	SST. Fgd.		
					0.44	0.70	323.35	Sh.		
					0.16	0.20	323.55	Sh. Aren.		
					2.27	2.35	325.90	SST. Fgd. with Sh. layers.		
326.15	328.15	2.00	1.97	98.50	0.21	0.25	326.15	SST. Fgd.		
328.15	331.20	3.05	3.05	100.00	1.97	2.00	328.15	SST. Fgd.		
					1.65	1.65	329.80	SST. Mgd.		
					0.44	0.44	330.24	Sh. Aren.		
					0.10	0.10	330.24	C O A L		
					0.86	0.86	331.20	SST. Fgd.		
331.20	334.20	3.00	2.94	98.00	0.72	1.20	332.40	SST. Fgd. with Sh. layers.		
					1.02	0.75	333.15	Sh.		
334.20	335.00	0.80	0.62	77.50	1.83	2.20	334.20	C O A L		
335.00	337.20	2.20	1.83	83.18	0.62	0.80	335.00	C O A L		
337.20	338.85	1.65	1.18	71.51	2.20	1.65	337.20	C O A L		
338.85	340.60	1.75	1.75	100.00	1.18	1.65	338.85	C O A L		
					0.92	0.92	339.77	C O A L		

XI/XII Br., C.D. 8°

Br.

Br.

Br.

Br.

1	2	3	4	5	6	7	8	9	10	11
340.60	341.00	0.40	0.36	90.00	0.36	0.40	341.00	St. Aren.		S. Vfr.
341.00	341.80	0.80	0.75	93.75	0.75	0.80	341.80	St. Aren.		S.
341.80	343.00	1.20	1.20	100.00	1.20	1.20	343.00	St.		
343.00	346.10	3.10	3.03	97.74	1.20	1.25	344.25	SST. & St. Intercalated		
346.10	349.20	3.10	3.08	99.35	1.33	1.85	346.10	SST. Mgcl.		
349.20	352.30	3.10	3.05	98.38	3.05	3.10	349.20	SST. Mgcl.		
352.30	355.40	3.10	3.05	98.38	3.05	3.10	352.30	SST. Mgcl.		
355.40	358.45	3.05	2.5	98.03	2.58	2.60	355.40	SST. Mgcl.		
358.45	361.45	3.00	2.84	94.66	0.41	0.45	358.45	SST. Cgd.		
361.45	363.60	2.15	2.14	99.53	2.50	2.60	361.05	SST. Cgd.		
363.60	366.65	3.05	2.94	96.39	0.24	0.40	361.45	St.		
366.65	369.30	2.65	2.43	91.69	1.49	1.50	362.95	St. và th. Csh. Farting.		
369.30	371.35	2.05	1.92	93.65	0.65	0.65	363.60	St. Aren.		
371.35	374.40	3.05	2.96	97.04	0.39	0.40	364.00	St.		
374.40	377.45	3.05	2.96	97.04	0.34	0.40	364.40	Sc.		
377.45	380.50	3.05	2.96	97.04	2.21	2.25	366.65	St. Aren.		
380.50	383.55	3.05	2.96	97.04	2.43	2.65	369.30	St. Aren.		
383.55	386.60	3.05	2.96	97.04	0.58	0.60	369.90	St. Aren.		
386.60	389.65	3.05	2.96	97.04	0.30	0.30	370.20	Sc.		
389.65	392.70	3.05	2.96	97.04	1.04	1.15	371.35	St.		
392.70	395.75	3.05	2.96	97.04	0.23	0.25	371.60	SST. Tgd. (Sideritac)		
395.75	398.80	3.05	2.96	97.04						

Br., C.D. 8°

1	2	3	4	5	6	7	8	9	10	11
374.40	376.95	2.55	2.47	96.86	2.73	2.80	374.40	\$.		C.D. 8°
					2.07	2.10	376.50	\$.		
					0.15	0.20	376.70	C O A L		
					0.25	0.25	376.95	Csh.		
376.95	379.55	1.60	1.49	93.12	0.60	0.70	377.65	Csh. with C - streaks		
					0.89	0.90	378.55	C O A L		
378.55	379.75	1.20	0.87	72.50	0.87	1.20	379.75	C O A L		Highly Broken
379.75	382.75	3.00	2.90	96.66	2.90	3.00	382.75	C O A L		Br. C.D. 8°
382.75	385.25	2.50	2.27	88.00	2.20	2.50	385.25	C O A L		Br. C. D. 8°
385.25	386.75	1.50	1.42	94.66	1.42	1.50	386.75	C O A L		Br., Vf.
386.75	388.10	1.35	1.35	100.00	1.35	1.35	388.10	C O A L		Br., Vf.
388.10	389.55	1.45	1.45	100.00	0.41	0.41	388.51	C O A L		
					1.04	1.04	389.55	SSL & Sh. Intercalated		
389.55	392.65	3.10	3.05	100.00	3.05	3.10	392.65	SSL & Sh. Intercalated		
392.65	396.65	4.00	3.75	93.75	1.77	1.85	394.50	SSL & Sh. Intercalated		
					0.05	0.05	394.55	Csh.		
					1.93	2.10	396.65	C O A L		
396.65	397.85	1.20	1.10	91.66	0.03	0.05	396.70	Csh.		
					1.07	1.15	397.85	Sh. Aren.		
397.85	400.85	3.00	2.96	98.66	0.14	0.15	398.00	Csh.		
					0.45	0.45	398.45	Sh.		

VIII C/IX/X

VIIIB

Br. C.D. 10°

1	2	3	4	5	6	7	8	9	10	11
400.85	403.90	3.05	3.05	100.00	3.05	3.05	403.90	SST. Mg'd.		
403.90	406.95	3.05	3.05	100.00	3.05	3.05	406.95	SST. Mg'd.		
406.95	409.00	2.05	2.04	99.51	2.04	2.05	409.00	SST. Mg'd.		
409.00	412.10	3.10	3.10	100.00	3.10	3.10	412.10	SST. Mg'd.		
412.10	413.70	1.60	1.60	100.00	1.60	1.60	413.70	SST. Mg'd.		
413.70	416.75	3.05	3.05	100.00	3.05	3.05	416.75	SST. Mg'd.		
416.75	419.80	3.05	3.05	100.00	2.38	2.38	419.13	SST. Mg'd.		
					0.39	0.39	419.52	SST. & 91. Intercalated		
					0.28	0.28	419.80	SST. Mg'd.		
419.80	421.15	1.35	1.35	100.00	1.13	1.13	420.93	SST. Mg'd.		
					0.09	0.09	421.02	C O A L		
					0.13	0.13	421.15	Gsh.		
421.15	423.35	2.20	2.15	97.72	0.15	0.15	421.30	Sc.		
					0.42	0.42	421.72	C O A L		
					0.38	0.38	421.10	Sc.		
					1.20	1.25	422.35	C O A L		
423.35	424.00	0.65	0.45	69.23	0.45	0.65	424.00	C O A L		
424.00	424.90	0.90	0.75	83.33	0.02	0.05	424.05	C O A L		
					0.73	0.85	424.90	SST. Mg'd.		
424.90	427.35	2.45	2.29	93.46	2.29	2.45	427.35	SST. Mg'd.		
427.35	430.35	3.00	2.82	94.00	2.82	3.00	430.35	SST. Mg'd.		

C.D. 10°

VIII A

C.D. 8°

Br.

BORE HOLE NO. SD - 5.

II/743

1	2	3	4	5	6	7	8	9	10	11
430.35	431.70	1.35	1.18	87.49	1.10	1.25	431.60	St. Aren.		
					0.08	0.10	431.70	C O A.L		
431.70	434.70	3.00	2.82	94.00	1.30	1.35	433.05	St. Aren.		
					1.39	1.50	434.55	SST. Regd.		
					0.13	0.15	434.70	St. Aren.		
434.70	436.35	1.65	1.65	100.00	0.15	0.15	434.85	St. Aren.		
					0.05	0.05	434.90	C O A.L		
					1.45	1.45	436.35	St. Aren.		
436.35	439.45	3.10	3.10	100.00	0.90	0.90	437.25	St. Aren.		
					0.80	0.80	438.05	SST. Megd.		
					0.15	0.15	438.20	St.		
					1.25	1.25	439.45	SST. Cgd.		
439.45	442.55	3.10	3.08	99.35	2.15	2.15	441.60	SST. Cgd.		
					0.93	0.95	442.55	St. Aren.		
442.55	445.55	3.00	2.91	97.00	2.85	2.90	445.45	SST. Megd.		
					0.06	0.10	445.55	Cgd.		
445.55	447.70	2.15	2.00	93.02	2.00	2.15	447.70	Sc. with C - bands		
447.70	448.70	1.00	0.99	99.00	0.34	0.35	448.05	Cgd.		
					0.65	0.65	448.70	St.		
448.70	451.80	3.10	3.10	100.00	0.90	0.90	449.60	St.		

VIII

1	2	3	4	5	6	7	8	9	10	11
451.80	453.00	1.20	1.08	90.00	0.45	0.50	452.30	SST. Recd.		C.D. 20°
					0.25	0.30	452.60	C O A L		SL., Br.
					0.38	0.40	453.00	Csh.		Br.
453.00	454.60	1.60	0.65	40.62	0.25	0.60	453.60	COIL & Sc.		Hbr.
					0.15	0.40	454.00	Sh.		
454.60	457.00	2.40	0.95	39.58	0.25	0.60	454.60	C O A L		SL., Br.
457.00	458.40	1.40	1.10	78.57	0.95	2.40	457.00	C O A L		SL., Hbr.
458.40	459.10	0.70	0.51	72.85	1.10	1.40	458.40	C O A L		SL., Hbr.
					0.46	0.60	459.00	Sh.		
					0.05	0.10	459.10	Csh.		
459.10	461.90	2.80	1.92	68.57	0.19	0.35	459.45	Csh.		
					0.18	0.30	459.75	C O A L		
					0.90	1.20	460.95	Csh.		
					0.50	0.70	461.65	Sc.		SL., Br.
					0.15	0.25	461.90	Csh.		Hbr.
461.90	462.70	0.80	0.66	82.50	0.28	0.35	462.25	Sh.		
					0.38	0.45	462.70	Csh.		
462.70	463.80	1.10	0.75	68.18	0.75	1.10	463.80	Csh.		VF., SL., Hbr.
463.80	464.90	1.10	0.65	59.09	0.65	1.10	464.90	Sc. with Csh.		VF., SL., Hbr.
464.90	466.90	2.00	0.92	46.00	0.12	0.30	465.20	Csh.		
					0.80	1.70	46.90	C O A L		VF., SL., Hbr.

V/VI/VII

1	2	3	4	5	6	7	8	9	10	11
466.90	468.50	1.60	0.75	46.87	0.65	1.35	468.25	Csh.		Br.
					0.10	0.25	468.50	C O A.L		VF., Bp.
468.50	469.50	1.00	0.50	50.00	0.50	1.00	469.50	Sc.		Hbr., Sl.
469.50	470.80	1.30	0.60	46.15	0.60	1.30	470.80	COAL with Csh.		VF., Sl., Hbr.
470.80	471.80	1.00	0.40	40.00	0.40	1.00	471.80	Sh.		Br.
471.80	472.90	1.10	1.10	90.90	1.00	1.10	472.90	Sh. Aren.		VF., Br. at the top
472.90	474.45	1.55	1.55	100.00	1.55	1.55	474.45	SST. Pegd. - Pegd.		
474.45	477.55	3.10	3.10	100.00	3.10	3.10	477.55	SST. Pegd.		
477.55	478.95	1.40	1.40	100.00	1.35	1.35	478.90	SST. Pegd.		
					0.05	0.05	478.95	Csh.		
478.95	479.75	0.80	0.53	66.25	0.53	0.80	479.75	Sc.		VF., Hbr.
479.75	480.75	1.00	0.75	75.00	0.45	0.60	480.35	Sc.		VF., Br.
					0.30	0.40	480.75	Csh.		
480.75	481.05	0.30	0.28	93.33	0.28	0.30	481.05	Sc.		
481.05	483.80	2.75	2.68	97.45	2.68	2.75	483.80	COAL with Csh. bands.		VF., Sl., C.D. 20° & Br.
483.80	484.40	0.60	0.46	76.66	0.46	0.60	484.40	COAL with Csh. bands.		
484.40	486.00	1.60	0.80	50.00	0.80	1.60	486.00	Csh. with C - streaks		Sl., Br.
486.00	486.50	0.50	0.42	84.00	0.42	0.50	486.50	Csh. with C - streaks		Sl., Hbr.
486.50	487.00	0.50	0.36	72.00	0.16	0.25	486.75	Csh. with C - streaks		Sl., Hbr.
					0.20	0.25	487.00	SST. Pegd.		

V/VI/VII

IV (T)

IV (B)

1	2	3	4	5	6	7	8	9	10	11
437.30	437.70	0.70	0.59	04.23	0.59	0.70	437.70	SST. Mgd.		
437.70	438.30	0.60	0.37	61.66	0.37	0.60	438.30	SST. Mgd.		
438.30	439.20	1.90	1.02	95.73	0.06	0.90	439.20	SST. Mgd.		
					0.25	0.25	439.45	Sh. with Osh. streaks		Sl.
					0.21	0.21	439.66	Sh. Aren.		Sl.
					0.50	0.54	439.20	SST. Fgd.		Sl.
439.20	439.70	1.50	1.22	51.33	0.17	0.20	439.40	Sh.		Br.
					1.05	1.30	439.70	SST. Mgd.		Pr., at 45°

BORE CLOSED AT 491.70 M. ON 3.5.1970.

INVEST

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. SD - 5.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

II/747.

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local (L-1)	15.40	16.40	1.00	
Local	20.85	21.35	0.50	
Local	63.00	64.01	1.01	
XVII A	65.50	69.20	3.70	
Local	83.64	84.17	0.53	
Local	87.10	87.61	0.51	
XVII	88.45	91.05	2.60	
Local (L-6)	111.75	112.95	1.20	
Local	113.60	114.20	0.60	
Local (L-5)	115.37	115.97	0.60	
Local (L-4)	121.75	123.27	1.52	C, Jh.
Local (L-3)	130.30	131.65	1.35	
Local (L-2)	146.79	147.45	0.66	
XVID	155.05	158.00	2.95	
XVIC	170.95	173.25	2.30	
XVII A/B	182.60	185.15	2.55	C, Jh, M.P.
Local	186.80	187.30	0.50	
Local Local	188.26	189.10	0.84	
XVI	199.44	200.00	0.56	
XV	230.33	233.85	3.52	C, Jh, M.P.
Local	254.15	254.90	0.75	
XIV	258.26	259.60	1.34	
Local	273.80	273.92	0.12	
XIII	304.55	309.95	5.40	
Local (L-1)	315.45	315.95	0.50	
XI/XII	333.15	339.77	6.62	
VIII C/IX/X	376.95	388.51	11.56	
VIII B	394.55	396.55	2.00	
VIII A	421.05	424.05	3.00	
VIII	445.81	447.70	1.89	
V/VI/VII	455.19	470.80	15.61	Part Faulted
IV T	478.95	483.46	4.51	
IV B	485.63	486.75	1.12	

Commenced on : 30.4.77.
Completed on : 1.7.77.
All dimensions in metres.

R. L. of Collar : 190.045 m.
Depth drilled : 219.80 m.

Latitude : 20226.259
Longitude : 21528.810

Run m.	Thickness			RECOVERY			THICKNESS			Depth of Floor	L I T H O L O G Y	Seam 'Corre- 'lation'	Structural 'Features'
	1	2	3	4	5	6	7	8	9				
0.00	5.50		5.50	-	-	-	-	5.50		5.50	Soil, Sandy/Weathered Zone.		
0.50	6.10		0.60	-	-	-	-	6.10		6.10	-do-		
1.10	9.15		3.05	1.45	47.5	0.33	0.70	6.80		6.80	Sst., argill.		
1.15	12.15		3.00	0.77	25.6	1.12	2.35	9.15		9.15	Sst. Fgd.		
1.15	14.65		2.50	2.36		0.52	2.05	11.20		11.20	-do-		
						0.25	0.95	12.15		12.15	Sst. Mgd.		
						0.50	0.55	12.70		12.70	-do-		
						0.19	0.20	12.90		12.90	Sst., Cgd.		
						1.42	1.50	14.40		14.40	Sst., Mgd.		
						0.25	0.25	14.65		14.65	Sst., Fgd.		
1.65	16.65		2.00	1.48	74.00	0.91	1.30	15.95		15.95	Sst., Mgd.		
						0.48	0.60	16.55		16.55	Sh., aren.		
						0.09	0.10	16.65		16.65	Baked GSh.		
1.65	17.45		0.80	0.54	67.50	0.08	0.10	16.75		16.75	-do-		

XVII A.

1	2	3	4	5	6	7	8	9	10	11
31.85	34.90	3.05	2.92	95.7	0.18	0.50	31.85			
					0.70	0.75				Sst, Fgd.
					0.38	0.38	32.60			Sst & Sh. Interbanded.
					0.17	0.20	32.98			Baked Csh.
					0.17	0.17	33.18			Thama.
					0.90	0.90	33.35			Sh.
					0.35	0.40	34.25			Sst. & Sh. Interbanded.
					0.25	0.25	34.65			Sst., Fgd.
34.90	37.40	2.50	2.37	94.8	1.42	1.50	34.90			Sst. & Sh. Interbanded.
					0.40	0.40	36.40			Sh.
					0.55	0.60	36.80			Sst. & Sh. Interbanded.
37.40	40.45	3.05	2.79	91.4	1.09	1.15	37.40			Sst, Fgd. with Sh. Laminae.
					0.49	0.55	38.55			-do-
					0.20	0.25	39.10			Baked Csh.
					0.50	0.55	39.25			Thama.
					0.51	0.55	39.90			Baked Csh.
40.45	43.55	3.10	2.72	87.7	0.75	0.85	40.45			Thama.
					0.40	0.50	41.30			Baked Csh.
					0.36	0.40	41.80			Thama.
					0.99	1.10	42.20			Baked Csh.
							43.30			Thama.

Fr.

Local.

1	2	3	4	5	6	7	8	9	10	11
43.55	4.80	3.25	2.35	72.30	0.22	0.25	43.55	Sst. Argill.		
46.80	49.65	2.85	2.53	88.7	0.35	0.40	46.80	Sst. & Sh. Interbanded.		Fr., Sl.
					0.05	0.10	47.20	Sh, aren.		
							47.30	Jhama.		
					0.55	0.60	47.90	Sh.		
					0.55	0.60	48.50	Sst. & Sh. Interbanded.		Fr.
					0.49	0.55	49.05	Sst., Mgd.		
					0.22	0.25	49.30	Sst. & Sh. Interbanded.		
					0.32	0.35	49.65	Csh.		
49.65	52.75	3.10	3.10	100.00	0.25	0.25	49.90	Baked Sh.		Vfr.
					0.10	0.10	50.00	Sst. Mgd.		
					0.40	0.10	50.10	Sh, aren.		
					0.45	0.55	50.65	Baked Csh.		
					2.10	2.10	52.75	Jhama.		
52.75	55.85	3.10	2.98	96.1	1.14	1.20	53.95	-do-		XVII
					0.32	0.35	54.30	Baked Sh.		
					1.52	1.55	55.85	Sh, aren.		
55.85	58.95	3.10	2.93	96.1	0.20	0.20	56.05	Baked Sh.		
					0.17	0.23	56.25	Baked Jhama.		
					1.30	1.30	57.55	Sh, aren.		

1	2	3	4	5	6	7	8	9	10	11
58.95	61.95	3.00	2.87	95.6	1.31	1.40	58.95	Sst, Mgd.		
61.95	64.95	3.00	2.94	98.00	2.87	3.00	61.95	Sst, Mgd. - Sst. Cgd.		
					0.38	0.39	62.34	-do-		
					0.16	0.16	62.50	Sh.		
					0.92	0.92	63.42	Sst, Mgd. - Sst. Cgd.		
					0.58	0.58	64.00	Sh.		
64.95	67.85	2.90	2.30	75.86	0.90	0.95	64.95	Sst, Mgd. - Sst. Cgd.		Vfr.
					0.60	0.80	65.75	-do-		
67.85	70.55	2.70	2.70	100.00	1.60	2.10	67.85	Sst. Cgd.		
					0.13	0.13	67.98	Sh, aren.		
70.55	73.60	3.05	3.02	99.00	2.57	2.57	70.55	Sst. Mgd. - Sst. Cgd.		
					3.02	3.05	73.60	-do-		
73.60	76.20	2.60	2.37	91.00	0.45	0.50	74.10	Sst. Cgd.		
					0.50	0.50	74.60	M. P.		
76.20	79.00	2.80	2.70	96.00	1.42	1.60	76.20	Sst, Mgd. - Sst. Cgd.		
79.00	80.60	1.60	1.47	96.00	2.70	2.80	79.00	-do-		
					0.80	0.90	79.90	-do-		
80.60	83.70	3.10	2.98	96.1	0.67	0.70	80.60	Sst, Mgd. - Sst. Cgd, Silicified.		
					0.97	1.00	81.60	Sst, Mgd. - Sst. Cgd.		
					0.20	0.20	81.80	Baked CSh. with Pyrite specks.		

1	2	3	4	5	6	7	8	9	10	11
83.70	86.80	3.10	2.99	96.00	0.50	0.55	82.35	Jhama		
					0.35	0.35	82.70	Baked SH, with Jhama bands.		
					0.23	0.25	82.95	Baked SH.		
					0.73	0.75	83.70	SH., aren.		
					2.18	2.25	85.95	SH		
					0.26	0.30	86.25	SST., fgd.		FR
					0.55	0.55	86.80	SH		
86.80	88.80	2.00	1.85	92.5	0.46	0.50	87.30	SH., aren.		
					0.80	0.85	88.15	SST. & l. interbedded		
88.80	90.20	1.40	1.40	100.00	0.59	0.65	88.80	SST., fgd. - mgt.		
90.20	93.40	3.20	3.15	98.00	1.40	1.40	90.20	Baked SH. with M.P.		
					0.07	0.07	90.27	Baked SH		
					0.18	0.18	90.45	M.P.		
93.40	93.90	0.50	0.44	88.00	2.90	2.95	93.40	Baked SH. with M.P.		
					0.11	0.15	93.55	SH with dolomite veins.		
93.90	95.20	1.30	1.22	93.8	0.33	0.35	93.90	Dolomite		
					1.22	1.30	95.20	-do-		
95.20	97.00	1.80	1.79	99.00	1.79	1.80	97.00	-do-		
97.00	98.25	1.25	0.97	77.00	0.97	1.25	98.25	-do-		
98.25	99.00	0.75	0.60	80.00	0.45	0.50	98.75	-do-		

1	2	3	4	5	6	7	8	9	10	11
99.00	100.20	1.20	0.95	79.00	0.15	0.25	99.00	SH		
100.20	102.50	2.30	2.04	78.00	0.95	1.20	100.20	SST., mgd.		
					0.64	0.80	101.00	-do-		
102.50	106.50	4.00	3.30	82.5	1.40	1.50	102.50	SH		FR
					1.80	2.25	104.75	Baked GSH		
106.50	107.15	0.65	0.50	76.00	1.50	1.75	106.50	SH, even.		FR
107.15	110.15	3.00	2.75	91.6	0.50	0.65	107.15	SST., mgd.		
110.15	113.20	3.05	2.90	95.00	2.75	3.00	110.15	-do-		
113.20	114.95	1.75	1.60	91.00	0.30	0.35	113.20	-do-		FR
					1.30	1.40	113.55	SST., cgd.		
114.95	118.00	3.05	2.59	84.00	2.50	2.90	114.95	SST., mgd.		
					0.09	0.15	117.85	-do, silicified		FR, SL
118.00	119.60	1.60	1.43	89.00	1.27	1.40	118.00	Baked SH		
					0.08	0.10	119.40	Baked SH		
					0.08	0.10	119.50	Thama		
119.60	121.70	2.10	2.10	100.00	0.08	0.10	119.60	Baked SH		
					0.43	0.48	120.08	GSH		
					0.67	0.67	120.75	SST., fgd.		
121.70	122.70	2.00	0.85	85.00	0.95	0.95	121.70	Baked GSH		
					0.42	0.50	122.20	-do-		

1	2	3	4	5	6	7	8	9	10	11
122.70	124.70	2.00	2.00	100.00	0.43	0.50	122.70	Jhama.	XVI C.	Fr. Fr., Sl. Fr., Sl.
124.70	126.20	1.50	1.45	96.00	2.00	2.00	124.70	-do-		
126.20	129.15	2.95	2.90	98.30	1.45	1.50	126.20	-do-		
					1.60	1.60	127.80	-do-		
129.15	130.65	1.50	1.49	99.00	1.30	1.35	129.15	Baked Sh.		
					1.20	1.20	130.35	Sh.	XVI A/B.	Fr., Sl.
130.65	132.35	1.70	1.65	97.00	0.29	0.30	130.65	CSH.		
					0.09	0.10	130.75	-do-		
					0.06	0.06	130.81	Jhama.		
					0.45	0.45	1 31.26	Baked CSh.		
					0.24	0.25	131.51	Jhama.	Fr., Sl.	Fr., Sl.
132.35	133.35	1.00	1.00.	100.00	0.81	0.84	132.35	Sh, aren.		
133.35	136.00	2.65	2.57	97.00	1.00	1.00.	133.35	-do-		
					0.62	0.65	134.00	Sh.		
					1.60	1.65	135.65	Sst. & Sh. Interbanded.		
136.00	139.05	3.05	2.85	93.00	0.35	0.35	136.00	Sh.	Fr., Sl.	Fr., Sl.
					0.03	0.05	136.05	Baked Sh.		
					2.82	3.00	139.05	Jhama.		
139.05	142.15	3.10	3.06	98.00	0.73	0.75	139.80	-do-		
					0.92	0.94	140.74	Baked CSh.		

1	2	3	4	5	6	7	8	9	10	11
142.15	144.85	2.70	2.70	100.00	1.35	1.35	142.15	Baked CSI		FR
					1.15	1.15	143.30	-do-		
144.85	147.15	2.30	2.23	96.00	1.55	1.55	144.85	SH		FR
					1.40	1.45	146.30	SH., aren.		FR
					0.48	0.50	146.80	CSI		FR., SL
					0.35	0.35	147.15	SH.		-do-
147.15	150.35	3.20	3.18	99.00	0.69	0.69	147.84	SST., fgd.		
					0.73	0.73	148.57	SH., aren.		
					1.76	1.78	150.35	SST., mgd., saltified.		FR, SL
150.35	152.45	2.10	2.05	97.00	0.65	0.70	151.05	SST., mgd.		
					1.40	1.40	152.45	Baked SH.		FR
152.45	154.20	1.75	1.75	100.00	1.08	1.08	153.53	-do-		
					0.67	0.67	154.20	SST., mgd., chilled		FR
154.20	156.20	2.00	2.00	100.00	0.40	0.40	154.60	-do-		
					0.30	0.30	154.90	Delonite		
					0.10	0.10	155.00	SST., mgd., chilled		
					1.20	1.20	156.20	Delonite		
156.20	157.95	1.75	1.74	99.00	1.74	1.75	157.95	-do-		
157.95	158.80	0.85	0.85	100.00	0.85	0.85	158.80	-do-		FR

BOREHOLE NO. : DM - 1.

II/757.

1	2	3	4	5	6	7	8	9	10	11
158.80	160.75	1.95	1.90	97.00	1.90	1.95	160.75	Dolerite.		
160.75	162.60	1.85	1.70	91.00	1.70	1.85	162.60	-do-		
162.60	163.40	0.80	0.80	100.00	0.80	0.80	163.40	-do-		
163.40	164.45	1.05	1.05	100.00	1.05	1.05	164.45	-do-		
164.45	165.20	0.75	0.75	100.00	0.75	0.75	165.20	-do-		
165.20	166.05	0.85	0.83	97.00	0.83	0.85	166.05	-do-		
166.05	167.40	1.35	1.35	100.00	1.35	1.35	167.40	-do-		
167.40	168.55	1.15	1.15	100.00	1.15	1.15	168.55	-do-		
168.55	170.35	1.80	1.70	94.00	1.70	1.80	170.35	-do-		
170.35	170.95	0.60	0.50	83.00	0.50	0.60	170.95	-do-		
170.95	172.00	1.05	0.65	61.00	0.60	0.90	171.85	-do-		
					0.05	0.15	172.00	Baked Sh.		
172.00	172.80	0.80	0.77	96.00	0.77	0.80	172.80	-do-		
172.80	173.30	0.50	0.38	76.00	0.20	0.25	173.05	-do-		
					0.18	0.25	173.30	Baked CSh. with M. P.		
173.30	176.50	3.20	3.13	97.00	0.93	0.95	174.25	-do-		
					0.13	0.13	174.38	M. P.		
					1.22	1.22	175.60	Baked CSh.		
					0.85	0.90	176.50	Dolerite.		
176.50	178.50	2.00	1.85	92.5	1.85	2.00	178.50	-do-		

Sl.
Fr., Sl

1	2	3	4	5	6	7	8	9	10	11
178.50	179.95	1.45	1.09	75.00	0.30	0.40	178.90	Dolomite		FR
					0.10	0.10	179.00	SH		
179.95	182.65	2.70	2.32	85.00	0.69	0.95	179.95	SST.-fgd., mgd., argill.		
					0.90	1.10	181.05	-do-		
					0.50	0.50	181.55	SH		
					0.92	1.10	182.65	SST., fgd., -mgd.		FR, SF
182.65	186.65	4.00	3.37	84.00	2.45	2.75	185.40	-do-		FR
					0.32	0.50	185.90	SST., fgd., -mgd., argill.		
					0.60	0.75	186.65	SH		FR, SL
186.65	188.65	2.00	1.64	82.00	0.30	0.45	187.10	-do-		SL
					0.39	0.50	187.60	Baked SH, with M.F.		
					0.45	0.45	188.05	M.F.		
					0.26	0.30	188.35	Baked SH.		
					0.16	0.20	188.55	SST., mgd.		
					0.08	0.10	188.65	M.F.		
188.65	190.25	1.60	1.45	90.00	1.45	1.60	190.25	Dolomite		FR
190.25	192.15	1.90	1.70	84.00	1.70	1.90	192.15	-do-		FR
192.15	193.25	1.10	0.94	85.00	0.94	1.10	193.25	-do-		FR
193.25	195.55	2.30	2.10	91.00	2.10	2.30	195.55	-do-		FR
195.55	197.35	1.80	1.70	94.00	1.70	1.80	197.35	-do-		FR

BOREHOLE NO. : DM - 1.

IT/759.

1	2	3	4	5	6	7	8	9	10	11
197.35	198.95	1.60	1.50	93.00	1.50	1.60	198.95	Dolerite.		
198.95	200.85	1.90	1.85	7.00	1.85	1.90	200.85	-do-		
200.85	202.45	1.60	1.40	87.00	1.40	1.60	202.45	-do-		
202.45	205.60	3.15	3.05	96.00	3.05	3.15	205.60	-do-		
205.60	206.95	1.35	1.15	92.00	1.15	1.35	206.95	-do-		
206.95	209.50	2.55	2.50	98.00	2.50	2.55	209.50	-do-		
209.50	212.55	3.05	3.00	98.00	3.00	3.05	212.55	-do-		
212.55	215.60	3.05	3.05	100.00	3.05	3.05	215.60	-do-		
215.60	218.80	3.20	3.20	100.00	3.20	3.20	218.80	-do-		
218.80	219.80	1.00	0.85	85.00	0.85	1.00	219.80	-do-		

BOREHOLE CLOSED AT THE DEPTH OF 219.80 METRES ON 1.7.1977.

Latitude : 19891.9947
Departure : 24161.5265

N. L. of the Collar : 209.251
Depth drilled : 665.60 m.

Commenced on : 7.3.1978.
Completed on : 19.5.1978.
All dimensions in metres.

From	To	Thickness	Recovery	THICKNESS	Depth	L I T H O L O G Y	Seam	Structural Features.
			Reco- vered.	Inter- layered.	Extra- isolated.	Floor		
1.	2.	3.	4.	5.	6.	7.	8.	9.
0.00	3.00	3.00	-	-	-	-	3.00	soil.
3.00	9.00	6.00	-	-	-	-	9.00	-do- weathered zone
9.00	12.00	3.00	1.57	53.33	1.35	2.57	11.57	Sh. with aren Bands.
					0.22	0.43	12.00	Sst. Mg.
12.00	15.00	3.00	1.78	59.33	1.78	3.00	15.00	-do-
15.00	18.00	3.00	1.82	60.66	1.82	3.00	18.00	Sst. & Sh. intercalated.
18.00	19.50	1.50	0.94	62.66	0.94	1.50	19.50	-do-
19.50	24.00	4.50	3.02	67.11	1.76	2.62	22.12	-do-
					1.26	1.60	24.00	Sh.
24.00	27.00	3.00	0.44	14.66	0.44	3.00	27.00	Sst. Mg.
27.00	29.45	2.45	2.41	98.36	2.20	2.31	29.31	Sst. & Sh. Intercalated.
					0.13	0.14	29.45	Sst. Mg.
29.45	32.55	3.10	3.02	97.41	0.44	0.45	29.90	Sh. with aren Bands.
					2.58	2.65	32.55	Sst. Mg. with Sh. laminae.
32.55	35.55	3.00	3.00	100.00	3.00	3.00	35.55	-do-

VIR.

1	2	3	4	5	6	7	8	9	10	11
35.55	38.70	3.15	2.96	93.96.	0.39	0.97	36.49	Sst. Mgd. with Sh. Laminae.		
					0.69	0.76	37.22	Sst. Argill.		
					1.38	1.42	38.70	Sst. Fgd. to Sst. Mgd.		
38.70	41.60	2.90	2.86	98.62	0.63	0.64	39.34	Sst. Fgd.		
					0.26	0.26	39.60	Sst. Argill.		
					0.21	0.21	39.81	Sst. Fgd. with Sh. Bands.		
					0.66	0.67	40.40	Sst. Mgd.		
					0.50	0.59	41.07	Sst. Fgd. with Sh. Laminae.		
					0.52	0.53	41.60	Sst. & Sh. Intercalated.		
41.60	43.25	1.65	1.60	96.96	0.29	0.39	41.90	-do-		
					1.31	1.35	43.25	Sst. Fgd.		
43.25	44.05	1.60	1.59	99.37	1.59	1.60	44.85	Sst. Mgd.		
44.85	47.85	3.00	2.97	99.00	2.97	3.00	47.85	Sst. & Sh. Intercalated.		
47.85	50.90	3.05	3.00	98.36	2.44	2.53	50.38	-do-		
					0.51	0.52	50.90	Sh, aren.		
50.90	53.95	3.05	3.05	100.00	3.05	3.05	53.95	Sh, with aren Bands.		
53.95	57.00	3.05	3.00	98.36	0.51	0.52	54.47	-do-		
					0.30	0.31	54.78	Sst. Argill.		
					0.46	0.47	55.25	Sh, aren.		
					0.09	0.09	55.34	Sst. Argill.		

1	2	3	4	5	6	7	8	9	10	11
57.00	60.05	3.05	3.05	100.00	3.05	3.05	60.05	Sst. & Sh. Intercalated.		
60.05	63.10	3.05	3.05	100.00	2.24	2.24	62.29	-do-		
					0.37	0.37	62.66	Sst. Mgd.		
					0.44	0.44	63.10	Sst. Cgd.		
63.10	66.15	3.05	3.05	100.00	0.58	0.58	63.68	Sst. & Sh. Intercalated.		
					1.08	1.08	64.76	Sst. Cgd.		
					1.21	1.21	65.97	Sst. & Sh. Intercalated.		
					0.18	0.18	66.15	Sst. Mgd.		
66.15	69.20	3.05	3.05	100.00	1.59	1.59	67.74	-do-		
					1.46	1.46	69.20	Sh. aren.		
69.20	72.25	3.05	3.00	98.36	0.66	0.67	69.87	-do-		
					0.62	0.63	70.50	Sst. Mgd.		
					1.72	1.75	72.25	Sst. & Sh. Intercalated.		
72.25	75.30	3.05	3.05	100.00	1.61	1.61	73.86	-do-		
					1.00	1.00	74.94	Sst. Mgd.		
					0.36	0.36	75.30	Sst. Fgd. with Sh. Laminee.		
75.30	78.35	3.05	3.05	100.00	0.35	0.35	75.65	-do-		
					0.46	0.46	76.11	Sst. & Sh. Intercalated.		
					0.39	0.39	76.50	Sst. Mgd.		
					1.25	1.25	77.75	Sst. & Sh. Intercalated.		

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1	2	3	4	5	6	7	8	9	10	11
73.35	81.40	3.50	3.01	98.63	0.60	0.60	78.35	Sst. Mgd.		
					0.68	0.39	79.24	-do-		
					0.31	0.31	79.55	Sst. Argill.		
					1.32	1.85	81.40	Sst. & Sh. Intercalated.		
81.40	84.45	3.05	3.04	99.67	0.13	0.13	81.53	-do-		
					1.33	1.34	82.67	Sh. aren.		
					1.04	1.04	83.91	Sst. & Sh. Intercalated.		
84.45	87.50	3.05	3.04	99.67	0.54	0.54	84.45	Sst. Mgd.		
					1.76	1.77	86.22	-do-		
87.50	90.55	3.05	3.02	99.01	1.28	1.28	87.50	Sst. & Sh. Intercalated.		
					1.65	1.66	89.16	-do-		
					0.59	0.60	89.76	Sh. with aren Bands.		
					0.76	0.77	90.53	Sst. Mgd.		
					0.02	0.02	90.55	Sst. & Sh. Intercalated.		
90.55	93.60	3.05	3.05	100.00	0.10	0.10	90.65	-do-		
					0.58	0.58	91.23	Sst. Mgd.		
93.60	96.65	3.05	3.02	99.01	2.37	2.37	93.60	Sst. & Sh. Intercalated.		
					1.71	1.73	95.33	-do-		
96.65	99.70	3.05	3.05	100.00	1.31	1.32	96.65	Sst. Mgd.		
					3.05	3.05	99.70	-do-		

Sl.

Fr., Sl.

1	2	3	4	5	6	7	8	9	10	11
99.70	102.75	3.05	3.00	98.36	2.89	2.94	102.64	Sst. Mgd.		
					0.11	0.11	102.75	Sh. with C. Streaks.		
102.75	105.80	3.05	3.05	100.00	0.14	0.14	102.89	-do-		
					2.91	2.91	105.80	Sst. Mgd.		
105.80	108.85	3.05	1.85	60.65	0.48	0.80	106.60	Sst. Cgd.		
					1.37	2.25	108.85	Sst. & Sh. Intercalated.		
108.85	111.90	3.05	2.96	97.04	0.11	0.11	108.96	-do-		
					0.21	0.22	109.18	C O A L.		
					0.64	0.66	109.84	Sst. Fgd.		
					0.11	0.11	109.95	C O A L.		
					0.50	0.82	110.77	Sst. Fgd. with Sh. Bands.		
					1.09	1.13	111.90	Sst. Mgd.		
111.90	114.95	3.05	3.04	99.67	1.16	1.16	113.06	-do-		
					1.58	1.59	114.65	Sh.		
					0.30	0.30	115.95	Sst. & Sh. Intercalated.		
					0.16	0.16	115.11	Sh.		
114.95	118.00	3.05	2.99	98.03	1.35	1.38	116.49	Sst. Cgd.		
					0.78	0.80	117.29	Sst. & Sh. Intercalated.		
					0.52	0.53	117.82	Sh. with aren Bands.		
					0.18	0.18	118.00	Sst. & Sh. Intercalated.		

Mr.
Mr.

1	2	3	4	5	6	7	8	9	10	11
118.00	121.05	3.05	2.09	94.75	0.08	0.00	118.08	Sst. Mgd.		
					0.38	0.40	118.48	Sh. with C. Streaks.		
					0.43	0.45	110.93	Sst. Mgd.		
					0.87	0.92	119.85	Sst. Mgd. with Sh. Laminae.		Fr.
					0.39	0.49	120.26	Sst. & Sh. intercalated.		
121.05	123.50	2.45	2.24	91.42	0.74	0.79	121.05	Sh.		
					2.10	2.30	123.35	Sh. aren.		
123.50	124.80	1.30	1.28	98.46	0.14	0.15	123.50	Sst. Mgd.		
124.80	127.85	3.05	3.04	99.67	1.28	1.30	124.80	-fo-		Fr.
					0.32	0.32	125.12	Sst. Cgd.		Fr.
					0.28	0.28	125.40	Sst. Mgd. with C. Bands.		Fr.
					0.14	0.14	125.54	Sh.		
					0.35	0.35	125.89	Sst. & Sh. Intercalated.		
127.85	129.75	1.90	1.89	99.47	1.95	1.96	127.85	Sst. Mgd.		
129.75	130.85	1.10	1.06	96.36	1.89	1.90	129.75	-do-		Fr., Sl.
130.85	131.25	0.40	0.40	100.00	1.06	1.10	130.85	-do-		Fr., Sl.
					0.30	0.30	131.15	-do-		Fr., Sl.
131.25	132.85	1.60	1.57	98.12	0.10	0.10	131.25	Interbanding.		
132.85	134.25	1.40	1.40	100.00	1.57	1.60	132.85	-do-		
					1.40	1.40	134.25	Sh. aren.		

1	2	3	4	5	6	7	8	9	10	11
134.25	135.75	1.50	0.58	38.66	0.20	0.62	134.05	Sh. aren.		Fr. S.
135.75	137.05	2.10	2.09	99.52	0.36	0.90	135.75	Sst. Mgd. with Sh. Bands.		Sl.
					0.10	0.10	135.85	-do-		
					1.23	1.24	137.09	Sh. with aren Bands.		
					0.28	0.28	137.37	Sst. Mgd. with Sh. Bands.		
					0.48	0.48	137.05	Sh. with aren Bands.		
137.85	138.75	0.90	0.50	55.55	0.16	0.28	138.13	-do-		Br.,
					0.28	0.51	138.64	Sh. with C. streaks.		Br.
					0.06	0.11	138.75	Sst. Mgd.		
138.75	141.80	3.05	1.77	58.03	1.77	3.05	141.80	-do-		Fr.,
141.00	142.50	0.70	0.69	98.57	0.30	0.30	142.10	-do-		
					0.39	0.40	142.50	Sh. aren.		
142.50	144.20	1.70	1.43	84.11	0.71	0.84	143.34	Sh. with aren Bands.		Sl.
					0.40	0.48	143.82	Sst. Mgd. with Sh. Bands.		
					0.32	0.39	144.20	Sh. with aren Bands.		
144.20	147.25	3.05	3.01	98.68	0.72	0.73	144.93	-do-		
					0.04	0.04	144.97	Sh. with C. Bands.		
					0.97	0.98	145.95	Sst. Mgd. with Sh. Bands.		
					0.51	0.52	146.47	Sh. with aren Bands.		
					0.77	0.78	147.25	Sst. Mgd. with Sh. Bands.		
147.25	150.25	3.00	2.05	68.33	0.66	0.96	148.21	Sst. Mgd.		

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1	2	3	4	5	6	7	8	9	10	11
150.25	150.95	0.70	0.70	100.00	0.90 0.41	1.44 0.60	149.65 150.25	Sst. & Sh. Intercalated. Sh. with CSh. Bands.		
					0.29	0.29	150.54	-do-		
					0.26	0.26	150.80	Sh. with aren Bands.		
150.95	154.00	3.05	2.99	98.03	0.15 0.32	0.15 0.33	150.95 151.28	Sst. Mgd. with Sh. Bands. -do-		
					0.29	0.30	151.58	Sst. Mgd.		
154.00	157.05	3.05	3.01	98.68	2.38 1.98	2.42 2.01	154.00 156.01	Sst. Lgd. to Sst. Cgd. -do-		Fr.
					0.15	0.159	156.16	Sst. Mgd. with Sh. Bands.		Vfr.
					0.53	0.54	156.70	Sh. with aren Bands.		
					0.35	0.35	157.05	Sst. Mgd. with Sh. Bands.		
157.05	159.05	2.00	1.39	69.50	0.21	0.30	157.35	-do-		Fr., Vfr.
					0.19	0.27	157.62	Sh. with aren Bands.		
					0.30	0.44	158.06	Sh. with C. Bands.		
					0.29	0.42	158.48	CSh.		
					0.13	0.19	158.67	S.C.		
					0.08	0.11	158.78	CSh.		
159.05	160.10	1.05	1.05	100.00	0.19 0.40	0.27 0.40	159.05 159.45	Sh. -do-		
					0.65	0.65	160.10	Sst. Fed		

1	2	3	4	5	6	7	8	9	10	11
160.10	163.15	3.05	3.04	99.67	0.38	0.38	160.40	bst. & Sh. Intercalated.		Pr.
163.15	166.15	3.00	3.00	100.00	2.66	2.67	163.15	bst. Mgd.		Pr.
166.15	168.30	2.15	2.14	99.53	3.00	3.00	166.15	-do-		Pr.
					0.93	0.94	167.09	bst. Cgd. to Grlt.		
					0.92	0.92	168.01	bst. & Sh. Intercalated.		Vfr.
					0.29	0.29	168.30	bst. Mgd. 1th Sh. Bands.		
168.30	171.30	3.00	3.00	100.00	0.34	0.34	168.64	-do-		Vfr.
					0.55	0.55	169.19	Sh. with aren bands.		
					2.11	2.11	171.30	bst. Mgd.		
171.30	174.30	3.00	3.00	100.00	0.57	0.57	171.09	bst. & Sh. Intercalated.		
					1.16	1.16	173.03	bst. Mgd.		
					0.29	0.29	173.32	Sh.		Vfr.
					0.64	0.64	173.96	bst. & Sh. Intercalated.		Vfr.
					0.34	0.34	174.30	Sh. with aren Bands.		
174.30	175.30	1.00	1.00	100.00	0.22	0.22	174.52	Sh.		
					0.30	0.30	174.02	bst. & Sh. Intercalated.		
					0.06	0.06	174.08	C O A L.		
					0.20	0.20	175.00	Sh. with aren Bands.		
					0.08	0.08	175.16	C O A L.		
					0.14	0.14	175.30	Sh. with C. Bands.		

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1	2	3	4	5	6	7	8	9	10	11
175.30	178.40	3.10	3.10	100.00	0.09	0.09	175.39	Sst. + Sh.		Br.
					0.44	0.44	175.63	Sst. Argill.		Vfr.
					0.59	0.59	176.42	Sh. with aren Bands.		
					0.30	0.30	176.72	Sh.		
					0.54	0.54	177.26	Sst. Mgd. with Sh.		
					0.60	0.60	176.86	Sh. with aren Bands.		
					0.54	0.54	178.40	Sst. Mgd.		
178.40	181.45	3.05	3.05	100.00	0.24	0.24	178.64	Sh. with aren Bands.		
					0.44	0.44	179.08	Sst. Mgd.		
					0.16	0.16	179.24	Sst. & Sh. Intercalated.		
					0.90	0.90	180.14	Sh.		
					0.41	0.41	180.55	Sst. Mgd. with Sh. Bands.		
					0.90	0.90	181.45	Sh. with C. Streaks.		
181.45	184.50	3.05	3.05	100.00	0.31	0.31	181.76	-do-		
					1.60	1.60	183.36	Sst. Mgd.		Vfr.
					1.14	1.14	184.50	Sst. & Sh. Intercalated.		
184.50	187.60	3.10	3.10	100.00	1.90	1.90	186.40	Sst. Mgd. with Sh. Bands.		
					1.20	1.20	187.60	Sst. & Sh. Intercalated.		
187.60	189.60	2.00	1.96	98.00	0.28	0.28	187.68	-do-		
					0.42	0.44	188.32	C O A L.		Local(L-10)

1	2	3	4	5	6	7	8	9	10	11
189.60	190.70	1.10	1.10	100.00	0.21	0.22	188.65	Sh.		
190.70	193.70	3.00	3.00	100.00	0.77	0.78	189.43	Sh. aren.		
					0.17	0.17	189.60	Sst. Mgd.		
					1.10	1.10	190.70	Sst. Mgd. with Sh. Bands.		
					0.01	0.01	190.71	-do-		
					0.45	0.45	191.16	Sh.		
					0.52	0.52	191.68	Sh. with aren Bands.		Vfr.
					0.50	0.50	192.10	Sst. & Sh. Intercalated.		
					1.52	1.52	193.70	Sst. Mgd.		
193.70	194.70	1.00	1.00	100.00	0.30	0.30	194.00	Sh. with aren Bands.		
					0.70	0.70	194.70	Sst. Mgd. with Sh. Bands.		Fr.
194.70	195.70	1.00	0.95	95.00	0.50	0.68	195.36	-do-		
					0.27	0.32	195.70	Sh.		
195.70	198.70	3.00	3.00	100.00	0.09	0.09	195.79	-do-		
					0.17	0.17	195.96	C O A L.		
					0.18	0.18	196.14	Sh. with C. Streaks.		
					0.20	0.20	196.34	Sh.		
198.70	199.70	1.00	0.96	96.00	2.36	2.36	198.70	Sst. Argill with Sh. Bands.		
					0.46	0.48	199.18	Sst. Tgd.		
					0.50	0.52	199.70	Sst. & Sh. Intercalated.		

Vfr., J

1	2	3	4	5	6	7	8	9	10	11
199.70	201.75	2.05	1.95	95.12	0.06	0.06	199.76	Sst. & Sh. Intercalated.		
					0.71	0.75	200.51	Sst. Mgd.		
201.75	204.85	3.10	3.10	100.00	1.18	1.24	201.75	Sst. & Sh. Intercalated.		Vfr.
					3.10	3.10	204.85	Sst. Mgd. to Sst. Cgd.		Vfr., F
204.85	206.85	2.00	2.00	100.00	0.78	0.78	205.63	-do-		Vfr.
					0.09	0.09	205.72	Sh. with C. Streaks.		
					0.17	0.17	205.89	Sh. (Baked).		Vfr.
					0.49	0.49	206.38	M. P.		
					0.23	0.23	206.61	Sh. (Baked).		
					0.24	0.24	206.85	M. P.		
206.85	208.75	1.90	1.89	99.47	0.14	0.14	206.99	Jhama.		XVIII D
					0.04	0.04	207.03	Sh. (Baked).		
					0.29	0.29	207.32	M. P.		
					0.10	0.10	207.42	Sh. (Baked).		
					0.04	0.04	207.46	Sh. (Baked.).		
					1.28	1.29	208.75	Sst. & Sh. Intercalated.		Vfr.
208.75	211.85	3.10	3.10	100.00	0.21	0.21	208.96	-do-		Vfr.
					0.24	0.24	209.20	Sh. with aren Bands.		
					0.13	0.13	209.33	Sst. Mgd.		
					1.35	1.35	210.68	Sh. with aren Bands.		

1	2	3	4	5	6	7	8	9	10	11
211.85	214.90	3.05	3.05	100.00	1.17	1.17	211.85	Sst. Mgd.		
214.90	216.40	1.50	1.25	83.33	3.05	3.05	214.90	Sst. Mgd. with Sh. Bands.		Vfr.
216.40	217.90	1.50	1.20	80.00	1.25	1.50	216.40	Sst. Mgd.		
217.90	220.40	2.50	2.45	98.00	1.20	1.50	217.90	Sh.		Tr., S
					1.00	1.02	218.92	CSH.		
					0.26	0.26	219.18	C O A L.		XVIII C
220.40	221.00	0.60	0.40	66.66	1.19	1.22	220.40	Sh. with aren Bands.		
221.00	223.90	2.90	2.89	99.65	0.40	0.60	221.00	Sh.		Sl., F
					0.31	0.31	221.31	Sst. Mgd.		
					0.15	0.15	221.46	Sh. aren.		
					0.67	0.68	222.14	Sst. & Sh. Intercalated.		
					0.34	0.34	222.48	CSH.		
					0.34	0.34	222.82	Sh. with C. Streaks.		Ps., S
					1.08	1.08	223.90	C O A L.		
223.90	226.90	3.00	2.96	98.66	0.43	0.45	224.35	C O A L.		XVIII B
					1.75	1.77	226.12	Sst. & Sh. Intercalated.		
					0.78	0.78	226.90	Sst Mgd.		
226.9	227.90	1.00	1.00	100.00	0.57	0.57	227.47	-do- with Sh. Bands.		
					0.43	0.43	227.90	Sst. & Sh. Intercalated.		
227.90	229.95	2.05	1.94	94.63	0.74	0.78	228.68	-do-		

1	2	3	4	5	6	7	8	9	10	11
229.95	232.35	2.90	2.82	97.24	0.94	1.00	229.68	CSh.		
					0.26	0.27	229.95	Sh.		
					0.32	0.34	230.79	Sh, aren.		
					0.26	0.26	231.05	Sh.		
					0.31	0.85	231.90			
					0.93	0.95	232.35	Jhana. + M. P.	XVIII A	
232.35	233.95	1.10	1.09	99.09	0.55	0.55	233.40	M. P.		
					0.54	0.55	233.95	Sh. (Baked).		
233.95	236.20	2.25	2.22	98.66	0.13	0.13	234.08	Sh.		61.
					0.49	0.49	234.57	Sst. & Sh. Intercalated.		61.
					1.60	1.63	236.20	Sh. with aren Bands.		
236.20	239.20	3.00	2.77	92.33	0.13	0.14	236.34	C O A L.		
					0.77	0.83	237.17	CSh. with C. Streaks.		
					1.46	1.56	238.75	C O A L.	XVIII	
					0.41	0.45	239.20	Sh.		
239.20	242.20	3.00	2.64	88.00	1.53	1.74	240.94	Sst. & Sh. Intercalated.		
					0.43	0.49	241.43	Sh.		
					0.61	0.69	242.12	Sst. & Sh. Intercalated.		Fr.
					0.07	0.06	242.20	Sst. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
245.25	248.30	3.05	3.05	100.00	0.49	0.49	244.51	Sst. Tgd. with Sh. Laminae.		
					0.74	0.74	245.25	-do-		
					1.22	1.22	246.47	Sst. & Sh. Intercalated.		
248.30	251.30	3.00	2.91	97.00	1.83	1.83	248.30	-do-		
					0.11	0.11	248.41	Sh. with C. Streaks.		Br.
					0.20	0.21	248.62	Sst. Mg'd.		
					0.12	0.12	248.74	Sh. with C. Streaks.		Vfr.
					0.58	0.60	249.34	Sst. & Sh. Intercalated.		Vfr.
251.30	252.80	1.50	1.46	98.66	1.90	1.96	251.30	-do-		Fr.
252.00	254.30	1.50	1.47	98.00	1.48	1.50	252.80	-do-		Fr.
					1.06	1.08	253.68	Sst. Mg'd. with Sh. Bands.		
254.30	257.05	2.75	2.69	97.81	0.41	0.42	254.30	Sst. Mg'd. (Sideritic).		Vfr.
					0.29	0.30	254.60	Sh. with aren Bands.		Fr.
257.05	258.55	1.50	1.44	96.00	2.40	2.45	257.05	Sst. & Sh. Intercalated.		
258.55	260.05	1.50	1.44	96.00	1.44	1.50	258.55	-do-		
					0.13	0.14	258.69	C O A L.		
					0.09	0.09	258.78	Sh. with aren Bands.		
260.05	263.10	3.05	3.05	100.00	1.22	1.27	260.05	Sst. Argill.		
					1.18	1.18	261.23	Sst. Cgd.		
					1.87	1.87	263.10			

1	2	3	4	5	6	7	8	9	10	11
263.10	266.10	3.00	3.00	100.00	3.00	3.00	266.10	Sst. Cgd.		Vfr.
266.10	269.15	3.05	3.05	100.00	3.05	3.05	269.15	Sst. Cgd. with Sideritic.		Vfr., F
269.15	272.20	3.05	3.05	100.00	3.05	3.05	272.20	Sst. Cgd. with rebglye		Vfr., F
272.20	275.20	3.00	2.90	96.66	1.50	1.55	273.75	-do-		Vfr., F
					0.28	0.30	274.05	Sh. (Baked).		
					0.30	0.32	274.37	Jhama.		
					0.10	0.10	274.47	M. P.		
					0.13	0.13	274.60	Jhama.		
					0.59	0.60	275.20	Sh. Baked at the Top.		
275.20	278.25	3.05	3.04	99.67	0.43	0.43	275.63	Sst. & Sh. Intercalated.		
					2.61	2.62	278.25	Sst. Mgd.		
278.25	281.30	3.05	3.05	100.00	0.20	0.20	278.45	-do-		Vfr.
					0.90	0.90	279.35	Sh. with C. Bands.		
					0.48	0.48	279.83	Sst. & Sh. Intercalated.		
					0.86	0.86	280.69	Sh. with C. Streaks.		Vfr.
					0.61	0.61	281.30	Sst. Mgd.		
281.30	284.35	3.05	3.05	100.00	3.05	3.05	284.35	-do-		Vfr., F
284.35	287.40	3.05	3.01	98.68	2.42	2.46	286.80	Sst. Cgd - Grit.		Vfr., F
					0.36	0.37	287.17	COAL with Sideritic Bands.		Vfr., F
					0.23	0.23	287.40	Sh.		Sl.

Local (L-8)

Local (L-7)

1	2	3	4	5	6	7	8	9	10	11
288.10	290.40	2.30	2.25	97.82	0.39	0.40	288.10	Sst. Cgd.		Br.
					0.41	0.42	288.52	Sst. & Sh. Intercalated.		
					0.71	0.73	289.25	Sst. Cgd.		
					1.13	1.15	290.40	Sh. aren. Bands.		Sl., Fr
290.40	293.40	3.00	2.87	95.66	0.71	0.74	291.14	-do-		Vfr.
					0.57	0.60	291.74	Interbanding.		Fr.
					0.20	0.21	291.95	Sst. Mgd.		
					0.31	0.32	292.27	Sst. & Sh. Intercalated.		
					0.95	0.99	293.26	Sh.		Sl.
					0.13	0.14	293.40	Sst. Argill.		
293.40	294.40	1.00	1.00	100.00	0.70	0.70	294.10	Sst. & Sh. Intercalated.		
					0.30	0.30	294.40	Sst. Mgd.		Fr.
294.40	296.50	2.10	2.09	99.52	0.72	0.72	295.12	-do-		
					1.37	1.38	296.50	Sst. & Sh. Intercalated.		
296.50	299.55	3.05	3.05	100.00	0.44	0.44	296.94	-do-		
					0.82	0.82	297.76	Sh. with aren Bands.		Fr., Sl
					0.51	0.51	298.27	Sh. aren.		Fr., Sl
					0.42	0.42	298.69	Sst. Fgd.		
					0.34	0.34	299.03	Sh.		Fr., Br
					0.32	0.32	299.35	Sst. Fgd.		
					0.08	0.08	299.43	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
299.55	301.05	1.50	1.34	89.33	0.12	0.12	299.55	S.C.		
					0.61	0.70	300.25	C O A L.	Local	Vfr.,
301.05	303.55	2.50	2.50	100.00	0.73	0.80	301.05	Sst. Mgd.		Br.
					1.10	1.10	302.15	-do-		
					0.32	0.32	302.47	Sst. & Sh. Intercalated.		
					0.93	0.93	303.40	Sh.		Vfr.,
					0.15	0.15	303.55	C O A L.		Vfr.,
303.55	305.75	2.20	2.20	100.00	2.20	2.20	305.75	Sh. with aren Bands.		Vfr.
305.75	308.15	2.40	2.39	99.58	1.06	1.06	306.81	Sh.		Vfr.
					1.22	1.22	308.03	C O A L.	XVII A	Br., S.
					0.11	0.12	308.15	Sst. Fgd.		
308.15	308.65	0.50	0.50	100.00	0.50	0.50	308.65	Sst. Fgd. with C. Bands.		
308.65	311.70	3.05	3.02	99.01	0.14	0.14	308.79	Sst. Fgd.		
					0.81	0.82	309.61	C O A L.		Vfr.,
					0.33	0.33	309.94	Sh. with C. Streaks.		
					0.24	0.24	310.18	Sh, aren.		
					1.50	1.52	311.70	Sst. Cgd.		
311.70	314.75	3.05	3.05	100.00	3.05	3.05	314.75	-do-		Vfr.
314.75	316.25	1.50	1.13	75.33	0.28	0.37	315.12	-do-		Vfr.
					0.15	0.20	315.32	-do-		

1	2	3	4	5	6	7	8	9	10	11
316.25	317.75	1.50	1.40	93.33	1.40	1.50	317.75	Sst. Mgd.		Br., Tr
317.75	320.75	3.00	2.94	98.00	0.69	0.71	318.46	-do-		Br., Tr
					1.14	1.16	319.62	Sst. & Sh. Intercalated.		Br., Tr
					0.80	0.81	320.43	Sst. Mgd.		Br., Tr
					0.31	0.32	320.75	Sh.		Br., Tr
									Local (L-3)	Sl.
320.75	323.75	3.00	0.92	30.66	0.60	1.96	322.71	Jhama.		Br., Tr
										Br., Tr
323.75	325.25	1.50	1.10	73.73	0.32	1.04	323.75	Sst. Mgd.		Br., Tr
325.25	326.75	1.50	1.28	85.33	1.10	1.50	325.25	-do-		Br., Tr
326.75	328.05	1.30	1.17	90.00	1.28	1.50	326.75	-do-		Br., Tr
328.05	330.05	2.00	1.17	99.00	1.17	1.30	328.05	-do-		Br., Tr
			1.98		1.46	1.48	329.53	-do-		Br., Tr
					0.52	0.52	330.05	Sh. with aren Bands.		Br., Tr
330.05	331.60	1.55	1.34	86.45	1.34	1.55	331.60	-do-		Br., Tr
331.60	333.10	1.50	1.16	77.33	0.11	0.14	331.74	-do-		Br., Tr
					0.24	0.31	332.05	Sst. & Sh. Intercalated.		Br., Tr
					0.81	1.05	333.10	Sh. with aren Bands.		Br., Tr
333.10	334.65	1.75	1.58	90.28	0.84	0.93	334.03	Sst. Fgd.		Br., Tr
					0.53	0.59	334.62	Sh.		Br., Tr
					0.21	0.23	334.85	Sst. Fgd.		Br., Tr

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1	2	3	4	5	6	7	8	9	10	11
334.85	336.45	1.60	1.51	94.37	1.51	1.60	336.45	Sst. Mgd. with Sh. Laminae.		Fr., S
336.45	339.85	3.50	3.25	95.58	1.63	1.70	338.15	-do-		
					0.87	0.91	339.06	Sst. & Sh. Intercalated.		Fr.
					0.10	0.10	339.16	Sst. Mgd.		
					0.55	0.58	339.74	Sh. with C. Streaks.		
					0.10	0.11	339.85	Sst. Mgd.		
339.85	342.90	3.05	3.00	98.36	1.31	1.33	341.18	Sst. & Sh. Intercalated.		
					0.62	0.63	341.81	Sst. Mgd.		
					1.07	1.09	342.90	Sst. Cgd.		
342.90	346.00	3.10	3.10	100.00	0.26	0.26	343.16	-do-		
					0.40	0.40	343.56	Sh. with C. Streaks.		
					0.86	0.86	344.42	Sh.		
					0.08	0.08	344.50	Sh. with C. Streaks.		
					1.50	1.50	346.00	Sh. with aren Bands.		
346.00	347.00	1.00	0.95	95.00	0.33	0.35	346.35	-do-		
					0.18	0.19	346.54	Sst. & Sh. Intercalated.		
					0.11	0.11	346.66	Sh.		
					0.25	0.25	346.92	Sst. Fgd.		
					0.08	0.08	347.00	Sst. & Sh. Intercalated.		

Local (L-2)

1	2	3	4	5	6	7	8	9	10	11
347.90	348.90	1.00	0.98	98.00	0.16	0.16	347.90	Sst. Fgd.		
					0.44	0.48	348.30	Sst. Mgd.		
348.90	351.70	2.80	2.78	99.28	0.48	0.52	348.90	Sst. & Sh. Intercalated.		
					2.42	2.44	351.34	-do-		
					0.36	0.36	351.70	Sst. Mgd.		Vfr., I
351.70	354.75	3.05	2.93	96.06	1.09	1.15	352.05	-do-		
					0.60	0.60	353.45	Sst. & Sh. Intercalated.	XVII	
					1.1	1.15	354.60	C O A L.		
					0.13	0.15	354.75	Sh.		Sl., Ps
354.75	356.75	2.00	1.94	97.00	0.21	0.22	354.97	-do-		
					0.40	0.42	355.39	Sh. with aren Bands.	XVI	Sl., Ps
					1.05	1.08	356.47	C O A L.	D	Br.
					0.10	0.10	356.57	Sst. Fgd. with C. Streaks.		
356.75	358.00	1.25	1.23	98.40	0.18	0.18	356.75	Sh. with aren Bands.		
					0.33	0.34	357.09	Sh, aren.		
					0.77	0.78	357.87	Sst. Cgd.		
					0.04	0.04	357.91	C O A L.		
					0.09	0.09	358.00	Sst. Mgd.		
358.00	361.05	3.05	2.91	95.40	2.91	3.05	361.05	Sst. & Sh. Intercalated.		
361.05	364.10	3.05	2.95	96.72	0.47	0.49	361.54	-do-		
					0.22	0.23	361.77	Sh.		Sl., Ps

1	2	3	4	5	6	7	8	9	10	11
					1.21	1.25	363.02	Sst. & Sh. Intercalated.		
					0.45	0.46	363.48	Sh. with aren Bands.		
					0.60	0.62	364.10	Sst. Mgd. with Sh. laminae.		
364.10	367.15	3.05	3.01	98.68	1.19	1.22	365.32	--do--		
					0.70	0.70	366.02	Sst. & Sh. Intercalated.		
					0.48	0.49	366.51	CSH.		
					0.64	0.64	367.15	C O A L.		
367.15	370.25	3.10	3.10	100.00	0.42	0.42	367.57	C O A L.		Br.
					0.06	0.06	367.63	Jhama.		
					0.08	0.08	367.71	M. P.		
					0.10	0.10	367.81	Jhama.		XVI C
					1.10	1.10	368.91	C O A L.		
					0.36	0.36	369.27	Jhama.		
					0.35	0.35	369.62	Jhama + M. P.		
					0.40	0.40	370.02	Sh. (Baked at Top.)		
370.25	371.30	1.05	0.99	94.30	0.23	0.23	370.25	Sst. & Sh. Intercalated.		
					0.26	0.28	370.53	Sst. Mgd.		
					0.30	0.32	370.85	Sst. & Sh. Intercalated.		
					0.43	0.45	371.30	Sh. with aren Bands.		

1	2	3	4	5	6	7	8	9	10	11
373.30	376.35	3.05	2.27	74.42	1.53 0.96 0.39	1.57 1.31 0.54	373.30 374.61 375.15	Sst. & Sh. Intercalated. Sst. Mgd. Sst. & Sh. Intercalated.		
					0.37	0.51	375.66	Sst. Mgd.		
					0.23	0.32	375.98	Sst. & Sh. Intercalated.		
					0.05	0.07	376.05	CSh.		
					0.27	0.30	376.35	C O A L.		XVI B
376.35	379.40	3.05	2.94	96.39	2.01	2.05	376.40	C O A L.		Br.
					0.34	0.37	376.77	Sh, aren.		
					0.59	0.63	379.40	Sh. with C. Streaks.		
379.40	382.45	3.05	3.04	99.67	0.20	0.20	379.60	Sh.		Sl.
					0.43	0.43	380.03	Sh. with aren Bands.		
					0.93	0.94	380.97	Sh.		Sl.
					0.22	0.22	381.19	sst. & Sh. Intercalated.		Sl.
					0.27	0.27	381.46	C O A L. (Broken).		
					0.12	0.12	381.58	C. with Sh. Bands.		
					0.53	0.53	382.11	C O A L.		
					0.16	0.16	382.27	Sh. with C. Bands.		XVII
					0.18	0.18	382.45	C O A L.		
382.45	385.50	3.05	3.04	99.67	0.07	0.07	382.52	Sh. with C. Streaks.		Br.
					0.66	0.66	383.18	C O A L.		

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1	2	3	4	5	6	7	8	9	10	11
385.50	388.55	3.05	2.97	97.37	0.51	0.52	383.70	Sh.		
					0.60	0.60	384.30	C O A L.		
					0.98	0.98	385.28	Sst. Argill.		
					0.22	0.22	385.50	Sst. Mgd.		
					1.16	1.19	386.69	-do-		
					1.16	1.19	387.88	Sh.		
388.55	391.60	3.05	3.04	99.67	0.65	0.67	388.55	Sst. Ggd.		
					2.23	2.24	390.79	Sst. Ggd - Grit.		
					0.81	0.81	391.60	Sst. & Sh. Intercalated		
391.60	394.60	3.00	2.88	96.00	0.59	0.62	392.22	C O A L.		
					0.16	0.16	392.38	Sh.		
					0.73	0.76	393.14	C O A L.		
					0.34	0.88	394.02	Sh. with C. Bands.		
394.60	397.65	3.05	2.98	97.70	0.56	0.58	394.60	Sst. & Sh. Intercalated.		
					2.07	2.12	396.72	Sst. Mgd.		
397.65	400.15	2.50	2.42	96.50	0.91	0.93	397.65	Grit.		
400.15	401.65	1.50	1.44	96.00	2.42	2.50	400.15	-do-		
					1.28	1.33	401.48	-do-		
401.65	403.15	1.50	1.44	96.00	0.16	0.17	401.65	Sst. Fgd. with Sh. Laminae.		
					0.72	0.75	403.15			

] LOCAL Vfr, F

XVI

Br.

Vfr, I
Fr., Vfr
Fr., Vfr
Fr., Vfr
Fr., Vfr

1	2	3	4	5	6	7	8	9	10	11
403.15	406.20	3.05	3.05	100.00	0.09	0.09	402.49	Sst. Cgd.		
406.20	409.25	3.05	3.05	100.00	0.63	0.66	403.15	Sst. Mgđ.		
409.25	412.35	3.10	3.10	100.00	3.05	3.05	406.20	-do-		
412.35	415.45	3.10	3.10	100.00	3.10	3.10	409.25	-do-		
415.45	418.55	3.10	3.10	100.00	3.10	3.10	412.35	-do-		
418.55	419.95	1.40	1.40	100.00	3.10	1.40	415.45	-do-		
419.95	421.70	1.75	1.74	99.42	0.50	0.50	418.55	-do-		
					0.33	0.34	419.95	-do-		
					0.31	0.31	420.45	-do-		
					0.60	0.60	420.79	Sh. with C. Bands.		
421.70	422.35	0.65	0.61	93.84	0.31	0.31	421.10	Sst. Mgđ.		
422.35	425.05	2.70	2.61	96.66	0.60	0.60	421.70	C O A L.		
					0.61	0.65	422.35	C O A L.		
					1.56	1.60	423.95	C O A L.		
425.05	426.65	1.60	1.55	96.87	1.05	1.10	425.05	Sh.		
426.65	428.65	2.00	2.00	100.00	1.55	1.60	426.65	Sh.		
					0.90	0.90	427.55	Sh.		
					1.10	1.10	428.65	Sst. Tgd. with Sh. Bands.		
428.65	431.65	3.00	2.95	98.33	2.95	3.00	431.65	Sst. Mgđ.		
431.65	434.65	3.00	3.00	100.00	3.00	3.00	434.65	-do-		

100.00

XV

Fr.

Sl.

Fr.

Fr.

Br.

Br.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

Fr.

1	2	3	4	5	6	7	8	9	10	11
434.65	436.30	1.65	1.65	100.00	1.65	1.65	436.30	Sst. Mgd.		
436.30	437.65	1.35	1.34	99.25	1.03	1.04	437.34	Sh.		
					0.31	0.31	437.65	Sst. Mgd. with Sh. Bands,		
437.65	440.65	3.00	2.92	97.33	1.59	1.64	439.29	-do-		
					0.44	0.45	439.74	Sh.		
					0.89	0.91	440.65	Sst. Mgd.		sl.
440.05	443.70	3.05	3.03	99.34	3.03	3.05	443.70	-do-		
443.70	446.75	3.05	3.00	98.36	1.58	1.60	445.30	Sst. Mgd. with Quartz pebbles.		
					0.21	0.22	445.52	Sst. & Sh. Intercalated.		
					0.10	0.10	445.62	G O A L.		
					0.25	0.25	445.37	Thama.		
					0.12	0.12	445.99	Thama + M. P.		
					0.08	0.08	446.07	Thama.		
					0.16	0.16	446.23	Sh. (Baked).		
					0.23	0.24	446.47	Sst. Mgd.		
					0.27	0.28	446.75	Sst. & Sh. Intercalated		
446.75	449.80	3.05	2.93	96.06	0.80	0.84	447.59	G O A L.		
					0.51	0.55	448.14	Sst. Mgd. with Sh. Laminae.		
					1.62	1.66	449.80	G O A L.		
							449.86			

LOCAL

XIV

Br.

1	2	3	4	5	6	7	8	9	10	11
450.95	453.30	2.35	2.34	99.57	1.06 0.24	1.09 0.24	450.95 451.19	sh. with C. streaks. sh.		
453.30	456.35	3.05	3.05	100.00	0.37 0.95	0.37 0.96	451.56 452.52	sh, aren. sst. Mgd. with sh. bands.		
456.35	457.75	1.40	1.34	95.71	0.78 3.05	0.78 3.05	453.30 456.35	sst. Cgd. -do-		
457.75	459.50	1.75	1.75	100.00	0.61 0.11	0.64 0.11	457.10 457.75	-do- sh.		
459.50	462.55	3.05	3.05	100.00	0.62 1.28	0.65 1.28	457.75 459.03	sst. Cgd. grit.		
462.55	465.60	3.05	3.02	99.01	0.47 1.25	0.47 1.25	459.50 460.75	sst. Cgd. grit.		
465.60	467.40	1.80	1.79	99.44	0.19 1.61	0.19 1.61	460.94 462.55	sh. grit. + pebbles.		
467.40	468.70	1.30	1.30	100.00	1.92 0.22	1.94 0.22	464.49 464.71	-do- sst. Mgd.		
					0.88	0.89	465.60	grit.		
					1.57	1.58	467.18	-do-		
					0.22	0.22	467.40	sl. with C. streaks.		sl.
					1.30	1.30	468.70	sh. with aren bands.		sl.

1	2	3	4	5	6	7	8	9	10	11
468.70	471.85	3.15	2.97	94.28	1.14	1.21	469.91	Sst. & Sh. Intercalated.		
					1.59	1.69	471.60	Sh. with aren Bands.		
					0.24	0.25	471.85	Sst. Mgđ.		
471.85	474.85	3.00	2.94	98.00	0.54	0.55	272.40	Sst. & Sh. Intercalated.		
					2.40	2.45	474.85	Grit.		
474.35	477.95	3.10	3.10	100.00	0.90	0.90	475.75	-do-		
					0.45	0.45	476.20	Sst. Mgđ.		
					1.75	1.75	477.95	Grit.		
477.95	481.05	3.10	3.10	100.00	3.10	3.10	481.05	-do-		
								Grit. + pebbles.		
481.05	484.10	3.05	3.05	100.00	3.05	3.05	484.10	-do-		
484.10	486.90	2.80	2.80	100.00	0.98	0.98	485.08	Sh.		
					0.04	0.04	485.12	Sst. Mgđ.		
					0.39	0.39	485.51	Sst. & Sh. Intercalated.		
					0.17	0.17	485.68	Sh.		
					0.10	0.10	485.78	Sst. Mgđ. with Sh. Bands.		
					1.12	1.12	486.90	Sst. Mgđ.		
486.90	489.60	2.70	2.63	97.40	0.03	0.03	486.93	Sh.		
					0.08	0.08	487.01	Sst. Mgđ.		
					0.17	0.17	487.18	Sh.		
					0.90	0.93	488.11			

1	2	3	4	5	6	7	8	9	10	11
489.60	490.20	0.60	0.60	100.00	0.14	0.14	489.74	Sst. & Sh. Intercalated.		
					0.26	0.26	490.00	Sst. Mgd.		
490.20	491.60	1.40	1.39	99.28	0.20	0.20	490.20	Sst. & Sh. Intercalated.		
					0.54	0.54	490.74	-do-		
491.60	493.10	1.50	1.50	100.00	0.85	0.86	491.60	Sh. with aren Bands.		Fr., S
					1.22	1.22	492.82	Sh.		
493.10	496.15	3.05	3.05	100.00	0.28	0.28	493.10	Sh. with aren Bands.		
					1.00	1.00	494.10	Sst. & Sh. Intercalated.		
					0.77	0.77	494.87	Sh.		
					0.07	0.07	494.94	Sst. Mgd. (Sideritic).		
					0.23	0.23	495.17	Sh.		
					0.05	0.05	495.22	Sst. Mgd.		
					0.43	0.43	495.65	Sst. & Sh. Intercalated.		
496.15	499.20	3.05	3.03	99.34	0.50	0.50	496.15	Sst. Mgd. with Sh. Bands.		
					1.39	1.40	497.55	Sst. Fgd. with Sh. Bands.		
					1.20	1.21	498.76	Sst. Mgd.		
					0.36	0.36	499.12	Sh.		
					0.08	0.08	499.20	Sst. Fgd.		
499.20	500.00	0.80	0.79	98.75	0.38	0.38	499.58	-do-		
					0.41	0.42	500.00	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
500.00	502.55	2.55	2.51	98.43	1.20	1.22	501.22	Interbanding.		
					0.22	0.22	501.44	bst. Fgd.		
					0.08	0.08	501.52	Interbanding.		
					0.54	0.55	502.07	Sst. Fgd.		
					0.09	0.09	502.16	Sh.		
					0.38	0.39	502.55	bst. Mgd.		
502.55	504.80	2.25	2.23	99.11	0.99	1.00	503.55	-do-		
					0.22	0.22	503.77	Sst. Mgd. with Sh. Bands.		
					0.80	0.81	504.58	Sst. & Sh. Intercalated.		
					0.22	0.22	504.80	Sh.		
504.80	507.85	3.05	3.05	100.00	0.16	0.16	504.96	CSh.		
					0.22	0.22	505.18	Sst. Fgd.		
					0.34	0.34	505.52	Sh. with C. Stre _g ks.		
					0.22	0.22	505.74	Sh. (Baked).		
					0.58	0.58	506.32	Thama.		
					0.07	0.07	506.39	M. P.		
					0.47	0.47	506.86	Jhama.		
					0.55	0.55	507.41	C O A L.		
					0.14	0.14	507.55	CSh.		
					0.30	0.30	507.85	C O A L.		

Sl., Ps

XIII

1	2	3	4	5	6	7	8	9	10	11
511.05	511.80	0.75	0.75	100.00	0.11	0.12	508.13	C O A L.		
					0.62	0.67	508.80	Sh. with C. Streaks.		
					1.17	1.25	510.05	Sst. & Sh. Intercalated.		
					0.94	1.00	511.05	Sh.		
					0.13	0.13	511.18	Sst. Argill.		
511.80	513.60	1.80	1.80	100.00	0.62	0.62	511.80	Sst. Mgd. with Sh. Bands.		
					0.12	0.12	511.92	Sh.		
					0.41	0.41	12.33	Sst. Fgd.		
					0.22	0.22	512.55	Sst. & Sh. Intercalated.		
					0.07	0.07	512.62	Sst. Fgd.		
					0.34	0.34	512.96	Sh.		
					0.64	0.64	513.60	Sst. & Sh. Intercalated.		
513.60	515.00	1.40	1.21	86.42	0.25	0.29	513.89	-do-		
					0.33	0.38	514.27	Sh.		
					0.63	0.73	515.00	Sst. Fgd. with Sh. Bands.		
515.00	516.50	1.50	1.35	90.00	0.38	0.42	515.42	Sst. & Sh. Intercalated.		
					0.10	0.11	515.53	Sh. aren.		
					0.37	0.41	515.94	Sst. & Sh. Intercalated.		
					0.50	0.56	516.50	Sst. Mgd.		
516.50	518.30	1.80	1.73	96.11	0.14	0.15	516.65	-do-		

1	2	3	4	5	6	7	8	9	10	11
518.30	520.30	2.00	2.00	100.00	0.35	0.36	517.01	Sh.		
					0.62	0.65	517.66	Interbanding.		
					0.55	0.57	518.23	Sst. Mgd.		
					0.07	0.07	518.30	Sh.		
					0.43	0.43	518.73	Sst. & Sh. Intercalated.		
					0.05	0.05	518.78	C O A L.		
					0.16	0.16	518.94	Sh.		
					0.20	0.20	519.14	Sst. Mgd. with Sh. Bands.		
					0.23	0.23	519.37	Sh, aren.		
					0.06	0.06	519.43	Sst. Mgd.		
					0.16	0.16	519.59	Sh.		
					0.20	0.20	519.79	Sst. & Sh. Intercalated.		
					0.31	0.31	520.10	Sh.		
					0.05	0.05	520.15	GSh.		
					0.15	0.15	520.30	C O A L.		
520.30	523.05	2.15	1.65	60.00	1.65	2-75	523.05	C O A L.		Br.
523.05	525.55	2.50	2.44	97.60	2.44	2.50	525.55	C O A L.		Br.
525.55	528.10	2.55	2.51	98.43	1.94	1.97	527.52	C O A L.		Br.
					0.58	0.70	528.10	Sst. Mgd. with Sh. Bands.		
528.10	531.20	3.10	3.09	99.67	0.42	2.43	530.53	Interbanding,		

XI/XII

1	2	3	4	5	6	7	8	9	10	11
531.20	534.25	3.05	3.05	100.00	0.56	0.56	531.20	Sst. Fgd. with Sh. Bands.		
					0.17	0.17	531.37	Sst. & Sh. Intercalated.		
					0.43	0.43	531.80	Sh.		
					0.56	0.56	532.36	Sst. Fgd. with Sh. Bands.		
					0.23	0.23	532.59	Interbanding.		
					1.66	1.66	534.25	Sst. Mgd. with Sh. Bands.		
534.25	537.30	3.05	2.09	94.75	2.09	3.05	537.30	Sst. Mgd. to Sst. Cgd.		
537.30	540.40	3.10	2.99	96.45	1.60	1.67	539.17	Sst. Mgd.		
					0.26	0.27	539.44	Sh.		
					0.93	0.96	540.40	Sst. Mgd.		
540.40	543.40	3.00	3.00	100.00	3.00	3.00	543.40	-do-		
543.40	544.10	0.70	0.70	100.00	0.70	0.70	544.10	-do-		
544.10	545.30	1.20	1.08	90.00	0.12	0.13	544.23	-do-		
					0.96	1.07	545.30	Sh.		
545.30	546.30	1.00	1.00	100.00	0.40	0.40	545.70	Sh. with C. streaks.		
					0.60	0.60	546.30	Sh. aren.		
546.30	548.70	2.40	2.36	98.33	1.37	1.39	547.69	-do-		
					0.99	1.01	548.70	Sh.		
548.70	549.40	0.70	0.67	95.71	0.67	2.70	549.40	Sh. with C. Streaks.		
549.40	549.80	0.40	0.40	100.00	0.22	0.22	549.62	-do-		

1	2	3	4	5	6	7	8	9	10	11
564.80	567.45	3.05	3.05	100.00	2.61	2.61	567.41	C O A L.		Br.
					0.10	0.10	567.51	Sh.		
					0.34	0.34	567.85	C O A L.		Fr.
567.45	570.90	3.05	2.94	96.39	2.94	3.05	570.90	-do-		
570.90	572.70	1.80	1.72	95.55	0.97	1.01	571.91	-do-		
					0.34	0.36	572.27	Sh. with C. Streaks.		
					0.41	0.43	572.70	C O A L.		
572.70	573.95	1.25	1.18	94.47	1.04	1.10	573.80	-do-		Br.
					0.14	0.15	573.95	Sh.		
573.95	574.75	0.80	0.69	86.25	0.58	0.62	574.57	C O A L.		
					0.11	0.13	574.75	Sh.		
574.75	576.95	2.20	2.07	94.09	2.07	2.20	576.95	Sst. Lgd. with Sh. Bands.		
576.95	580.00	3.05	2.99	98.03	0.46	0.47	577.42	-do-		
					0.18	0.18	577.60	Sst. Fgd.		
					0.83	0.85	578.45	Sst. & Sh. Intercalated.		
					0.71	0.73	579.18	Sst. Fgd.		
					0.16	0.16	579.34	Sst. & Sh. Intercalated.		
					0.65	0.66	580.00	Sst. Fgd.		
580.00	581.50	1.50	1.19	79.33	0.43	0.54	580.54	Sst. Fgd. with Sh. Bands.		
					0.30	0.38	580.92	Sh. aren.		

VIII/IX/X

1	2	3	4	5	6	7	8	9	10	11
581.30	583.05	1.75	1.45	82.8	0.46	0.58	581.30	Sh. with C. streaks.		Sl., etc.
583.50	586.10	3.05	2.84	93.11	1.45	1.75	583.05	C O A L.		VIII B Br.
					0.24	0.26	583.31	Sh. with C. Streaks.		
					1.47	1.58	584.89	Sst. Fgd.		
					0.23	0.25	585.14	Sst. Mgd. (Sideritic).		
					0.90	0.96	586.10	Sst. Mgd.		
586.10	589.10	3.00	3.00	100.00	1.76	1.76	587.86	-do-		
					0.50	0.50	588.36	Sst. Fgd.		
					0.74	0.74	589.10	Sst. l'gd. with Sh. Bands.		
589.10	591.20	2.10	2.06	98.09	2.06	2.10	591.20	-do-		
591.20	593.45	2.25	2.25	100.00	2.25	2.25	593.45	-do-		
593.45	595.45	2.00	1.72	86.00	1.72	2.00	595.54	-do-		
595.45	595.55	0.10	0.07	70.00	0.07	0.10	595.55	-do-		
595.55	596.55	1.00	0.96	96.00	0.96	1.00	596.55	-do-		
596.55	598.05	1.50	1.36	90.66	1.36	1.50	598.05	Sst. Cgd.		
598.05	601.10	3.05	3.05	100.00	2.30	2.30	600.35	-do-		
					0.69	0.69	601.04	Sst. Mgd.		
					0.06	0.06	601.10	Sst. Cgd.		
601.10	604.15	3.05	3.05	100.00	0.51	0.51	601.61	-do-		
					0.83	0.83	602.44	Sst. Cgd with Sh. Bands.		

1	2	3	4	5	6	7	8	9	10	11
604.15	607.25	3.10	3.10	100.00	0.66	0.66	603.77	Sst. Argill.		
607.25	610.35	3.10	3.06	98.70	0.17	0.17	603.94	Sst. Cgd. with sh. Bands.		
					0.21	0.21	604.15	C O A L.		
					3.10	3.10	607.25	C O A L.		VIII A Fr.
					2.17	2.20	609.45	C O A L.		
					0.09	0.09	609.54	Sh. with C. Streaks.		
					0.52	0.53	610.07	Sh.		
					0.28	0.28	610.35	Sst. Fgd.		
610.35	613.40	3.05	3.00	98.36	3.00	3.05	613.40	Sst. Mgd.		
613.40	616.40	3.00	2.94	98.00	2.94	3.00	616.40	-do-		
616.40	619.45	3.05	2.92	95.73	0.26	0.27	616.67	-do-		
					1.08	1.13	617.80	Sst. & Sh. Intercalated.		
					0.72	0.75	618.55	Sst. Mgd.		
					0.13	0.14	618.69	Sh.		
					0.06	0.06	618.75	C O A L.		
					0.20	0.21	618.96	Sh. with C. Streaks.		
					0.16	0.17	619.13	C O A L.		
					0.31	0.32	619.45	Sst. Argill.		
619.45	620.10	0.65	0.62	95.36	0.62	0.65	620.10	-do-		
620.10	622.50	2.40	2.32	96.66	0.95	0.96	621.06	Sst. & Sh. Intercalated.		
					0.90	0.93	622.01	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
641.00	644.10	3.10	3.05	98.38	0.82	0.83	641.83	C O A L.		
					0.27	0.27	624.10	S.C.		
					0.92	0.93	643.03	C O A L.		
					0.96	0.97	644.00	CSH.		
644.10	647.20	3.10	3.10	100.00	0.10	0.10	644.10	C O A L.		
647.20	650.25	3.05	3.00	98.36	3.10	3.10	647.20	C O A L.		
					2.59	2.63	649.63	C O A L.		
					0.18	0.18	650.01	CSH.		
					0.23	0.24	650.25	S.C.		
650.25	652.05	1.80	1.67	92.77	1.34	1.44	651.69	C O A L.		
					0.33	0.36	652.05	Sh. with aren Bands.		
652.05	655.15	3.10	3.10	100.00	0.91	0.91	652.96	Sh.		
					0.67	0.67	653.63	C O A L.		
					0.40	0.40	654.03	Sh.		
					0.28	0.28	654.31	S.C.		
					0.84	0.84	655.15	C O A L.		
655.15	656.60	1.45	1.44	99.31	0.09	0.09	655.24	Sh.		
					1.35	1.36	656.60	C O A L.		
656.60	659.70	3.10	2.97	95.30	1.71	1.72	656.36	C O A L.		
					0.16	0.16	656.54	S.C.		
					1.10	1.16	659.70	C O A L.		

V/VI/VII

Vtr.

Fr.
Vtr.

Br., Sl
Sl.
Br., Sl

BOREHOLE NO. : MB - 1.

II/799

1	2	3	4	5	6	7	8	9	10	11
659.70	662.80	3.10	3.03	97.74	2.51	2.57	662.27	C O A L.	V/VI/VII	Br.
662.80	665.60	2.80	2.74	97.85	0.52	0.53	662.80	Sh. + C.		Sl.
					2.74	2.80	665.60	Sst. Gritty.		

BOREHOLE CLOSED AT 665.60 METERS ON 19.5.1978.

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB - 1.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local (L-10)	187.88	188.32	0.44	
XVIII D	205.39	207.32	1.43	
XVIII(C)	218.90	219.14	0.24	
XVIII B	222.82	224.35	1.53	
XVIII A	231.14	231.85	0.71	
	231.85	233.40	1.55	Jh. + M.P.
XVIII	237.17	238.75	1.58	
Local (L-8)	274.36	274.60	0.24	Jh, M.P.
Local (L-7)	286.80	287.17	0.37	
Local	299.61	300.25	0.64	
XVIIA	306.81	308.03	1.22	
Local (L-3)	308.79	309.61	0.82	
	320.75	322.71	1.96	Jh. + M.P.
Local (L-2)	343.56	344.42	0.86	
XVIE	353.45	354.60	1.15	
XVID	355.39	356.47	1.08	
XVI C	366.51	367.36	0.85	
	367.36	368.04	0.68	
	368.04	368.80	0.76	
	368.80	369.62	0.82	
XVI B	376.05	378.40	2.35	
XVI A	381.19	383.18	1.99	
	Local → 383.70	384.30	0.60	
XVI	391.60	393.14	1.54	
XV	421.10	423.95	2.85	
LOCAL XIV	445.52	445.75	0.23	
	445.75	446.07	0.32	
	446.75	447.59	0.84	
	448.14	449.86	1.72	
XIII	505.74	506.91	1.17	Jh. + M.P.
	506.91	507.85	0.94	C.
XI/XII	520.15	527.52	7.37	
VIII C/IX/X	564.80	574.57	9.77	
VIII B	581.50	583.05	1.55	
VIII A	603.94	609.45	5.51	
VIII	622.79	624.56	1.77	
V/VI/VII	636.51	662.27	25.76	

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BOREHOLE NO. : MB - 2.

II/801

Latitude : 19°40'8.04"93

R. L. of Collar : 211.365

Commenced on : 20.4.19

Departure : 24205.6289

Depth drilled : 551.90 m.

Completed on : 9.3.19

All dimensions in Metri

R U N		Thickness	RECOVERY		THICKNESS		Depth of	L I T H O L O G Y		Seam	Structural
From	To		Reco- vered.	Per- cent.	Reco- vered.	Extra- polated.	floor			Corre- lation.	Features.
1	2		4	5	6	7	8	9	10	11	
0.00	3.00	3.00	-	-	-	-	3.00	Soil (Sludge).			
3.00	6.00	3.00	-	-	-	-	6.00	-do-			Weathered zone
6.00	10.00	4.00	1.87	46.75	0.35	0.75	6.75	Sludge.			
					0.81	1.73	8.48	Sst. Mgd.			
					0.71	1.52	10.00	Sh.			
10.00	13.00	3.00	1.78	59.33	0.40	0.67	10.67	Sludge.			
					0.46	0.78	11.45	Sst. & Sh. Intercalated.			
					0.43	0.72	12.17	Sh.			
					0.49	0.83	13.00	Sst. Mgd.			
13.00	15.25	2.25	1.27	56.44	1.27	2.25	15.25	-do-			
15.25	16.30	1.05	1.01	96.19	1.01	1.05	16.30	-do-			
16.30	17.35	1.05	1.05	100.00	1.05	1.05	17.35	Sst. & Sh. Intercalated.			
17.35	19.85	2.50	2.42	96.80	2.42	2.50	19.85	-do-			
19.85	21.85	1.70	1.68	98.82	0.77	0.78	20.63	-do-			

1	2	3	4	5	6	7	8	9	10	11
21.55	22.90	1.35	1.32	97.78	0.91	0.92	21.55	Sst. Mgd.		Sl.
					0.97	0.99	22.54	-do-		
22.90	25.95	3.05	2.98	97.70	0.35	0.36	22.90	Sst. & Sh. Intercalated.		
					0.93	0.95	23.85	-do-		
					0.48	0.49	24.34	Sst. Mgd.		
					0.44	0.45	24.79	Sst. & Sh. Intercalated.		
					0.45	0.46	25.25	Sst. Mgd.		
25.95	29.10	3.15	3.09	98.09	0.68	0.70	25.95	Sst. & Sh. Intercalated.		
					0.42	0.43	26.38	Sst. Mgd.		
					0.29	0.30	26.68	Sh. aren.		
29.10	32.20	3.10	3.07	99.05	2.36	2.42	29.10	Sst. & Sh. Intercalated.		
					1.43	1.45	30.55	Sh, aren.		
					0.32	0.32	30.87	Sst. & Sh. Intercalated.		
					1.09	1.10	31.97	Sh, aren.		
					0.23	0.23	32.20	Sh.		
32.20	34.70	2.50	2.41	96.40	0.11	0.11	32.31	-do-		
					1.19	1.23	33.54	Sst. Mgd. with Sh. laminae.		
					1.11	1.16	34.70	Sst. & Sh. Intercalated.		
34.70	37.00	3.10	2.98	96.12	0.65	0.66	35.36	-do-		

1	2	3	4	5	6	7	8	9	10	11
37.00	40.00	3.00	3.00	100.00	0.48	0.50	35.86	Sh. with aren Bands.		
40.00	43.95	3.15	3.05	96.82	1.42	1.50	37.36	Sst. & Sh. Intercalated.		
43.95	45.85	1.90	1.90	100.00	0.27	0.28	37.64	Sst. Mgd.		
					0.07	0.07	37.71	C O A L.		
					0.09	0.09	37.80	Sst. Mgd. with C. Bands.		
					0.85	0.85	36.65	Sst. & Sh. Intercalated.		
					2.15	2.15	40.00	Sst. Mgd.		
40.00	43.95	3.15	3.05	96.82	3.05	3.15	43.95	-do-		
43.95	45.85	1.90	1.90	100.00	1.60	1.60	45.55	Sst. Mgd. with Calcification.		
					0.30	0.30	45.85	Sh. with aren Bands.		
45.85	47.50	1.65	1.05	63.63	1.05	1.65	47.50	Sh, aren.		
47.50	50.00	2.50	2.49	99.60	0.35	0.35	47.85	Sst. & Sh. Intercalated.		
					1.03	1.03	48.88	Sst. Mgd.		
					1.11	1.12	50.00	Sst. Mgd. with Sh. Bands.		
50.00	51.00	1.00	0.98	98.00	0.98	1.00	51.00	Sst. & Sh. Intercalated.		
51.00	53.60	2.60	2.57	98.84	0.83	0.84	51.84	-do-		
					0.60	0.62	52.46	Sh, aren.		
					1.14	1.14	53.60	Sst. Mgd. with Sh. Bands.		
53.60	56.60	3.00	3.00	100.00	0.91	0.91	54.51	Sst. Mgd. with Sh. bands.		irr.
					0.13	0.13	54.64	Sh.		

1	2	3	4	5	6	7	8	9	10	11
					0.34	0.34	54.98	Sst. & Sh. Intercalated.		
					0.26	0.26	55.24	Sh.		
					1.36	1.36	56.60	Sst. & Sh. Intercalated.		
56.60	59.70	3.10	2.85	91.93	0.50	0.55	57.15	-do-		
					0.33	0.35	57.50	Sst. Mgd.		
					0.17	0.18	57.68	Sst. & Sh. Intercalated.		
					0.07	0.08	57.76	Sh.		
					0.10	0.11	57.87	Sst. Mgd.		
					0.16	0.17	58.04	Sst. & Sh. Intercalated.		
					0.39	0.43	58.47	Sst. Cgd. with Sh. Bands.		
					0.27	0.29	58.76	Sst. & Sh. Intercalated.		
					0.16	0.17	58.93	Sst. Mgd.		
59.70	62.80	3.10	3.10	100.00	0.70	0.77	59.70	Sst. & Sh. Intercalated.		
					2.15	2.15	61.85	-do-		
					0.08	0.08	61.93	Sh.		
					0.15	0.15	62.08	Sst. & Sh. Intercalated.		
					0.13	0.13	62.21	Sst. Mgd.		
					0.59	0.59	62.80	Sh, aren.		
62.80	65.95	3.05	3.05	100.00	0.95	0.95	63.75	Sh, aren.		
65.85	68.00	2.15	2.15	100.00	2.10	2.10	65.85	Sst. Mgd.		
					1.70	1.70	67.55	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
63.00	68.80	0.80	0.54	67.50	0.45	0.45	68.00	Sh.		
68.80	71.90	3.10	3.10	100.00	0.54	0.80	68.80	-do-		
					0.11	0.11	68.91	Sh, aren.		
					1.19	1.19	70.19	Sst. Mg.		
					0.10	0.10	70.20	Sst. & Sh. Intercalated.		
					1.70	1.70	71.90	Sst. Mg.		
71.90	75.00	3.10	3.10	100.00	0.11	0.11	72.01	-do-		
					0.53	0.53	72.54	Sh, aren.		
					2.46	2.46	75.00	Sst. Mg. to Cgd.		
75.00	76.65	1.65	1.65	100.00	0.60	0.60	75.60	Sst. Mg. with Sh. Bands.		
					0.56	0.56	76.16	Sst. & Sh. Intercalated.		
					0.24	0.24	76.40	Sst. Mg. with Sh. Bands.		
					0.16	0.16	76.56	Sh.		
					0.09	0.09	76.65	Sst. Mg.		
76.65	77.90	1.25	1.24	99.20	1.24	1.25	77.90	Sst. & Sh. Intercalated.		
77.90	80.75	2.85	2.74	96.14	0.07	0.07	77.97	-do-		
					1.16	1.21	79.18	Sh.		
					1.51	1.57	80.75	Sst. & Sh. Intercalated.		
80.75	83.80	3.05	3.01	98.68	0.84	0.85	81.60	Sst. Mg. with Sh. Bands.		
					0.56	0.57	82.17	Sst. & Sh. Intercalated.		
					1.61	1.62	83.80	Sh. aren.		

1	2	3	4	5	6	7	8	9	10	11
83.80	86.90	3.10	3.10	100.00	0.08	0.08	83.88	Sh, aren.		
					0.90	0.90	84.78	Sst. Mgd. with Sh. Bands.		
					0.95	0.95	85.73	Sst. & Sh. Intercalated.		
					0.53	0.53	86.26	Sst. Argill.		
					0.48	0.48	86.74	Sst. & Sh. Intercalated.		
					0.16	0.16	86.90	Sst. Mgd.		
86.90	89.95	3.05	3.00	98.36	2.19	2.22	89.12	-do-		
					0.81	0.83	89.95	Sst. Fgd. with Sh. Bands.		
89.95	91.70	1.75	1.75	100.00	0.75	0.75	90.70	-do-		
					0.33	0.33	91.03	Sh.		
					0.51	0.51	91.54	Sst. Fgd. with Sh. Bands.		
					0.16	0.16	91.70	Sh.		
91.70	93.40	1.70	1.70	100.00	0.75	0.75	92.45	-do-		
					0.95	0.95	93.40	Sst. Mgd.		
93.40	96.50	3.10	3.10	100.00	0.66	0.66	94.06	Sst. Mgd. with Sh. Bands.		
					0.48	0.48	94.54	Sst. & Sh. Intercalated.		
					0.09	0.09	94.63	Sst. Mgd.		
					0.50	0.50	95.13	Sst. & Sh. Intercalated.		
					0.14	0.14	95.27	Sst. Mgd.		
					1.23	1.23	96.50	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
96.50	99.20	2.70	2.70	100.00	0.05	0.05	96.55	Sst. & Sh. Intercalated.		
					2.45	2.45	99.00	Sst. Mgđ. with Sh. Bands.		
					0.20	0.20	99.20	Sh. with C. Streaks.		
99.20	102.00	2.80	2.80	100.00	0.10	0.10	99.30	-do-		
					1.61	1.61	100.91	Sst. Mgđ. with Sh. Bands.		
					0.32	0.32	101.23	Sst. & Sh. Intercalated.		
					0.21	0.21	101.44	Sst. Mgđ.		
					0.20	0.20	101.64	Sst. & Sh. Intercalated.		
					0.17	0.17	101.81	Sst. Mgđ.		
					0.14	0.14	101.95	Sst. & Sh. Intercalated.		
					0.05	0.05	102.00	Sst. Mgđ.		
102.00	105.10	3.10	3.10	100.00	0.42	0.42	102.42	-do-		
					0.80	0.80	103.22	Interbanding.		
					0.08	0.08	103.30	Sh.		
					0.44	0.44	103.74	Sst. Mgđ. with Sh. Bands.		
					0.41	0.41	104.15	Sst. & Sh. Intercalated.		
					0.95	0.95	105.10	Sst. Mgđ. with Sh. Laminae.		
105.10	105.75	0.65	0.64	98.46	0.64	0.65	105.75	-do-		
105.75	108.45	2.70	2.70	100.00	1.15	1.15	106.90	Sst. & Sh. Intercalated.		
					1.55	1.55	108.45	Sst. Mgđ.		
108.45	111.55	3.10	3.05	65.12	2.05	2.10	111.55	Sst. Mgđ. (Siderite)		

1	2	3	4	5	6	7	8	9	10	11
111.55	112.25	0.70	0.70	100.00	0.31	0.31	111.86	Sst. Mgd. with Sideritic.		
					0.39	0.39	112.25	Sh, aren.		
112.25	114.50	2.25	2.25	100.00	0.15	0.15	112.40	-do-		
					1.93	1.93	114.33	Sst. & Sh. Intercalated.		
					0.17	0.17	114.50	Sh.		
114.50	117.55	3.05	3.05	100.00	0.24	0.24	114.74	Sst. & Sh. Intercalated.		
					2.34	2.34	117.08	Sst. Mgd. with Sh. Bands.		
					0.19	0.19	117.27	Sst. & Sh. Intercalated.		
					0.28	0.28	117.55	Sst. Mgd.		
117.55	120.65	3.10	3.10	100.00	1.20	1.20	118.75	-do-		
					1.90	1.90	120.65	Sst. & Sh. Intercalated.		
120.65	123.70	3.05	3.05	100.00	0.75	0.75	121.40	-do-		
					1.05	1.05	122.45	Sh. with aren Bands.		
					1.25	1.25	123.70	Interbanding.		
123.70	126.80	3.10	3.10	100.00	0.13	0.13	123.83	Sh. with C. Streaks.		
					0.11	0.11	123.94	Sst. Mgd.		
					0.19	0.19	124.13	Sst. & Sh. Intercalated.		
					0.51	0.51	124.64	Sst. Mgd.		
					4.26	1.26	125.90	Sst. & Sh. Intercalated.		
					0.90	0.90	126.80	Sst. Mgd. with Sh. Bands.		

1	2	3	4	5	6	7	8	9	10	11
126.80	129.90	3.10	3.10	100.00	0.88	0.88	127.68	Sst. Mgd. with Occasional Sh. Bands.		
					0.47	0.47	128.15	Sst. & Sh. Intercalated.		
					0.56	0.56	128.71	Sst. Mgd.		
					1.19	1.19	129.90	Sst. Mgd. with Sh. Bands.		
129.90	133.00	3.10	3.10	100.00	0.13	0.13	130.03	Sst. Mgd.		
					0.09	0.09	130.12	Sh.		
					2.88	2.88	133.00	Sst. Mgd.		
133.00	136.05	3.05	3.05	100.00	3.05	3.05	136.05	Sst. Mgd. to Sst. Cgd.		
136.05	139.15	3.10	3.10	100.00	1.30	1.30	137.35	-do-		
					0.94	0.94	138.29	Sst. & Sh. Intercalated.		
					0.73	0.73	139.02	Sst. Mgd. with C. Streaks.		
					0.13	0.13	139.15	Sst. Mgd.		
139.15	142.20	3.05	2.82	92.45	0.10	0.11	139.26	-do-		
					0.38	0.41	139.67	Sst. & Sh. Intercalated.		
					0.23	0.25	139.92	Sh.		
					0.07	0.08	140.00	Sst. & Sh. Intercalated.		
					0.18	0.19	140.19	Sh.		
					0.46	0.50	140.69	Sst. & Sh. Intercalated.		
					0.58	0.63	141.32	Sst. Mgd.		
					0.17	0.18	141.50	Sh.		

1	2	3	4	5	6	7	8	9	10	11
142.20	145.25	3.05	2.80	91.80	0.42	0.45	142.20	Sst. Fgd. with Sh. Bands.		
					0.95	1.03	143.23	-do-		
					0.21	0.23	143.46	Sst. Fgd.		
					0.64	0.70	144.16	Sst. & Sh. Intercalated.		
					0.42	0.46	144.62	Sst. Fgd.		
					0.58	0.63	145.25	Sst. & Sh. Intercalated.		
145.25	148.30	3.05	3.05	100.00	1.53	1.53	146.78	-do-		
					1.52	1.52	146.30	Sst. Fgd. with Sh. Bands.		
148.30	151.40	3.10	3.10	100.00	0.20	0.20	148.50	Sst. Fgd.		
					2.90	2.90	151.40	Sst. & Sh. Intercalated.		
151.40	153.15	1.75	1.54	88.00	1.31	1.49	152.89	-do-		
					0.23	0.26	153.15	Sh.		Br, Sl.
153.15	155.40	2.25	1.56	69.33	1.56	2.25	155.40	-do-		Br, Sl.
155.40	157.40	2.00	2.00	100.00	1.13	1.13	156.53	Sh. with C. Streaks.		Vfr.
					0.87	0.87	157.40	Sst. Fgd. with Sh. Bands. & C. Streaks.		
157.40	160.45	3.05	2.94	96.39	1.24	1.28	158.68	Sst. & Sh. Intercalated.		
					0.51	0.53	159.21	Sh.		
					0.23	0.24	159.45	Sst. Fgd.		
					0.21	0.22	159.67	Sh.		
					0.50	0.60	160.27	Interbanding.		

1	2	3	4	5	6	7	8	9	10	11
160.45	163.45	3.00	3.00	100.00	0.39	0.39	160.45	Sst. Mgd. with C. Streaks.		
					0.39	0.39	161.23	-do-		Fr.
					0.73	0.73	161.96	Sst. Mgd.		Fr.
					0.59	0.59	162.55	Sst. & Sh. Intercalated.		
					0.90	0.90	163.45	Sh. with C. Bands.		
163.45	164.90	1.45	1.45	100.00	0.54	0.54	163.99	-do-		
					0.91	0.91	164.90	Sst. Mgd. with Sh. Bands.		
164.90	166.80	1.70	1.61	94.70	1.28	1.35	166.25	-do-		
					0.33	0.35	166.60	Sst. Fgd. with Sh. Bands.		
166.60	169.65	3.05	3.05	100.00	3.05	3.05	169.65	Sst. & Sh. Intercalated.		
169.65	172.75	3.10	3.10	100.00	0.95	0.95	170.60	Interbanding.		
					1.44	1.44	172.04	Sh. aren.		
					0.71	0.71	172.75	Sh.		
172.75	175.80	3.05	3.05	100.00	0.92	0.92	173.67	-do-		
					0.10	0.10	173.77	Sst. Mgd.		
					0.49	0.49	174.26	Sh.		
					0.41	0.41	174.67	Sst. Fgd. with Sh. Bands.		
					1.13	1.13	175.80	Sst. Mgd. with Sh. Bands.		

1	2	3	4	5	6	7	8	9	10	11
176.55	178.80	2.25	2.22	98.66	0.95	0.96	177.51	Sst. & Sh. Intercalated.		
178.80	181.95	3.15	3.15	100.00	1.27	1.29	178.80	Sst. Mgd.		
181.95	185.00	3.05	3.05	100.00	3.15	3.15	181.95	Sst. Mgd. with Sh. Laminae.		
185.00	187.50	2.50	2.46	98.40	3.05	3.05	185.00	-do-		
					0.70	0.71	185.71	Sst. Mgd.		
					1.27	1.29	187.00	Sst. & Sh. Intercalated.		
187.50	190.30	2.80	2.80	100.00	0.49	0.50	187.50	Sst. Mgd.		
					0.56	0.56	188.06	Sh. with aren Bands.		
					0.30	0.30	188.36	Sst. & Sh. Intercalated.		
					1.94	1.94	190.30	Sst. Mgd.		
190.30	191.20	0.90	0.90	100.00	0.90	0.90	191.20	-do-		
191.20	194.25	3.05	3.00	98.36	3.00	3.05	194.25	Sst. & Sh. Intercalated.		
194.25	196.80	2.55	2.55	100.00	0.45	0.45	194.70	-do-		
					2.10	2.10	196.80	Sst. Argill.		
196.80	199.90	3.10	3.05	98.38	3.05	3.10	199.90	-do-		
199.90	200.40	0.50	0.50	100.00	0.50	0.50	200.40	Sh.		
200.40	203.20	2.80	2.71	46.78	2.71	2.80	203.20	Sh. with aren Bands.		
203.20	206.00	2.80	2.78	99.28	0.72	0.72	203.92	-do-		
					2.06	2.08	206.00	Sst. & Sh. Intercalated.		
206.00	208.40	2.40	2.40	100.00	2.40	2.40	208.40	-do-		

1	2	3	4	5	6	7	8	9	10	11
200.40	209.55	1.15	1.15	100.00	0.00	0.68	209.08	Sst. & Sh. Intercalated.		
					0.47	0.47	209.55	Sst. Mgđ.		
209.55	212.70	3.15	3.13	99.36	0.47	0.47	210.02	-do-		
					2.66	2.68	212.20	Sst. & Sh. Intercalated.		
212.20	215.75	3.05	2.94	96.39	0.64	0.66	213.36	-do-		
					0.84	0.88	214.24	Sst. Argill.		
					0.62	0.64	214.88	Sh, aren.		
					0.84	0.87	215.75	Sst. Mgđ.		
215.75	218.75	3.00	2.93	97.66	0.60	0.62	216.37	-do-		
					2.33	2.38	218.75	Sst. & Sh. Intercalated.		
218.75	221.80	3.05	3.03	99.34	0.16	0.16	218.91	Sst. Argill.		
					0.30	0.30	219.21	Sst. Mgđ.		
					0.62	0.62	219.83	Sst. & Sh. Intercalated.		
					0.82	0.83	220.66	Sst. Mgđ.		
					1.00	1.01	221.67	Sst. & Sh. Intercalated.		
					0.13	0.13	221.80	Sh, aren.		
221.80	224.85	3.05	2.99	98.03	0.51	0.52	222.32	Sst. & Sh. Intercalated.		
					0.62	0.63	222.95	Sst. Mgđ.		
					0.90	0.92	223.87	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
224.85	227.00	2.15	2.06	95.81	1.43 0.30 0.33	1.50 0.31 0.34	226.35 226.66 227.00	Sst. Mgd. Sst. & Sh. Intercalated. Sh, aren.		
227.00	229.35	2.35	2.35	100.00	1.06 1.29	1.06 1.29	228.06 229.35	Sst. & Sh. Intercalated. Sst. Mgd. with Sh. laminae.		
229.35	231.05	1.70	1.70	100.00	0.32 1.38	0.32 1.38	229.67 231.05	Sst. & Sh. Intercalated. Sst. Mgd.		
231.05	233.65	2.60	2.60	100.00	0.33 0.25 0.26	0.33 0.25 0.26	231.38 231.63 231.89	Sst. & Sh. Intercalated. Sst. Mgd. Sst. & Sh. Intercalated.		
233.65	236.70	3.05	3.05	100.00	1.76 3.05	1.76 3.05	233.65 236.70	Sst. Mgd. -do-		
236.70	239.75	3.05	3.05	100.00	3.05	3.05	239.75	-do-		
239.75	242.75	3.00	2.97	99.00	2.97	3.00	242.75	-do-		
242.75	244.35	1.60	1.60	100.00	1.60	1.60	244.35	-do-		
244.35	245.95	1.60	1.60	100.00	1.60	1.60	245.95	-do-		
245.95	249.05	3.10	3.10	100.00	3.10	3.10	249.05	Sst. Mgd. with Sh. laminae.		
249.05	252.05	3.00	3.00	100.00	2.55 0.45	2.55 0.45	251.60 252.05	Sst. Mgd. with Sh. laminae with pebb C. with Sh. streaks.		
252.05	255.15	3.10	3.09	99.67	0.71	0.71	252.76	Sh, aren.		

Fr.

1	2	3	4	5	6	7	8	9	10	11
255.15	258.25	3.10	3.07	99.03	0.72	0.73	255.88	Sst. Cgd.		
					1.16	1.18	257.06	Sst. & Sh. Intercalated.		
					0.32	0.32	257.38	Sst. Mgd.		
					0.15	0.15	257.53	M. P.		
					0.13	0.13	257.66	Jhama.		
					0.20	0.20	257.86	C. with Sh. Streaks.		
					0.39	0.39	258.25	Sst. Mgd.		
258.25	260.35	2.10	1.99	94.76	0.56	0.59	258.84	-do-		
					0.41	0.43	259.27	Sh, aren.		
					0.69	0.73	260.00	Sst. Mgd.		
					0.33	0.35	260.35	Sh, aren.		
260.35	260.90	0.55	0.55	100.00	0.55	0.55	260.90	Sst. Argill.		
260.90	263.75	2.85	2.85	100.00	1.70	1.70	262.60	-do-		
					1.08	1.08	263.68	Sst. Mgd.		
					0.07	0.07	263.75	Sh.		
263.75	264.70	0.95	0.93	97.89	0.04	0.04	263.79	Sh.		
					0.53	0.54	264.33	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
264.70	267.00	2.30	2.27	98.69	0.41	0.41	265.11	Sst. Mgd.		
					1.36	1.38	266.49	Sst. & Sh. Intercalated.		
					0.32	0.32	266.81	Sst. Mgd.		
					0.18	0.19	267.00	Sst. & Sh. Intercalated.		
267.00	270.05	3.05	3.02	99.01	0.32	0.32	267.32	Sh, aren.		
					1.16	1.18	268.50	Sst. Mgd. with Sh. Laminae.		
					0.49	0.49	268.99	Sst. & Sh. Intercalated.		
					0.90	0.91	269.90	Sh.		
					0.13	0.13	270.03	Sst. & Sh. Intercalated.		
					0.02	0.02	270.05	C O A L.		
270.05	273.15	3.10	3.00	96.77	0.13	0.13	270.18	C O A L.		
					0.40	0.41	270.59	Sst. & Sh. Intercalated.		
					0.65	0.68	271.27	Sst. Mgd. with Sh. laminae.		
					0.42	0.43	271.70	Sh. with aren Bands.		
					0.05	0.05	271.75	C O A L.		
					0.36	0.37	272.12	Sh, aren.		
					0.68	0.71	272.83	Sst. & Sh. Intercalated.		
					0.31	0.32	273.15	Sst. Mgd.		
273.15	274.00	0.85	0.50	58.82	0.50	0.85	274.00	Sst. Cgd. with Sh. Bands.		
274.00	275.55	1.55	1.46	94.19	1.46	1.55	275.55	-do-		

1	2	3	4	5	6	7	8	9	10	11
275.55	276.85	1.30	1.29	99.23	1.29	1.30	276.55	Sst. Mgd.		
276.85	278.65	1.80	1.70	94.44	1.70	1.80	278.65	-do-		
278.65	279.50	0.85	0.85	100.00	0.85	0.85	279.50	Sst. Mgd. with Sh. Bands.		
279.50	282.45	2.95	2.89	97.96	2.89	2.95	282.45	Sst. & Sh. Intercalated.		
282.45	285.15	2.70	2.70	100.00	0.91	0.91	283.36	-do-		
					0.53	0.53	283.89	Sst. Mgd. with Sh. Bands.		
					0.52	0.52	284.41	Sst. Cgd.		
					0.74	0.74	285.75	Sh.		
285.75	287.40	2.25	2.23	99.11	2.23	2.25	287.40	Sst. & Sh. Intercalated.		
287.40	288.60	1.40	1.40	100.00	0.14	0.14	287.54	Sh. with C. Bands.		
					1.00	1.00	288.54	Sst & Sh. Intercalated.		
					0.26	0.26	288.80	Sst. Mgd.		
288.80	291.80	3.00	3.00	100.00	1.40	1.40	290.20	Sst. Mgd. to Sst. Cgd.		
291.80	292.40	0.60	0.50	83.33	1.60	1.60	291.80	Sst. & Sh. Intercalated.		
292.40	294.90	2.50	2.38	95.20	0.50	0.60	292.40	-do-		
					0.17	0.18	292.58	Sst. Mgd.		
					0.43	0.45	293.03	Sst. & Sh. Intercalated.		
					0.18	0.19	293.22	Sh.		
					0.12	0.13	293.35	Sh. with C. Bands.		
					0.16	0.17	293.52	C. with Sh. Bands.		

1	2	3	4	5	6	7	8	9	10	11
294.90	295.90	1.00	0.97	97.00	0.24	0.25	294.57	Sh. with C. bands.		
					0.32	0.33	294.90	Sst. & Sh. Intercalated.		
					0.66	0.68	295.58	-do-		
					0.11	0.11	295.69	Sst. Cgd.		
					0.20	0.21	295.90	Sh.		Fr.
295.90	296.00	2.10	1.97	93.80	0.33	0.35	296.25	Sh.		
					0.10	0.11	296.36	C O A L.		
					1.54	1.64	298.00	Sst. & Sh. Intercalated.		Fr.
298.00	301.05	3.05	2.93	96.06	0.64	0.67	298.67	-do-		
					1.00	1.04	299.71	Sh.		
					1.29	1.34	301.05	Sh, aren.		
301.05	304.10	3.05	2.96	97.04	0.10	0.10	301.15	Sh.		Sl.
					0.26	0.27	301.42	Sst. & Sh. Intercalated.		
					0.21	0.22	301.64	Sh.		
					0.77	0.79	302.43	Sst. & Sh. Intercalated.		Vfr.
					0.58	0.60	303.03	Sst. Mgd. with Sh. Laminae.		
					1.04	1.07	304.10	Sh. with C. Bands.		
304.10	307.15	3.05	3.05	100.00	0.15	0.15	304.25	Sst. Mgd.		
					0.64	0.64	304.89	Sst. & Sh. Intercalated.		
					0.26	0.26	305.15	Sh.		
					2.00	2.00	307.15	Sst. Mgd. with Sh. Bands.		

1	2	3	4	5	6	7	8	9	10	11
307.15	308.45	1.30	1.29	99.23	1.29	1.30	308.45	Sh.		Fr.
308.45	310.40	1.95	1.88	96.41	0.15	0.16	308.61	-do-		
					1.10	1.14	309.75	Sst. & Sh. Intercalated.		
					0.63	0.65	310.40	Sst. Cgd.		
310.40	313.45	3.05	2.95	96.72	0.86	0.90	311.30	Sst. Cgd. with Sh. Laminae.		
					0.22	0.23	311.53	Sst. & Sh. Intercalated.		
					0.31	0.32	311.85	Sh. with C. Streaks.		
					0.40	0.41	312.26	Sh, aren.		
					0.63	0.65	312.91	Sst. Mgd.		
					0.53	0.54	313.45	Sst. Cgd.		
313.45	316.45	3.00	2.96	96.66	1.79	1.82	315.27	Sst. Mgd.		
					0.26	0.26	315.53	Sst. & Sh. Intercalated.		
					0.91	0.92	316.45	Sst. Mgd. with Sh. Bands.		
316.45	318.45	2.00	1.77	88.51	0.33	0.37	316.82	Sst. Mgd. with Sh. Laminae.		
					0.17	0.19	317.01	Sst. Mgd. (Sideritic).		
					0.43	0.49	317.50	Sst. & Sh. Intercalated.		
					0.41	0.46	317.96	Sh. with C. Streaks.		
					0.04	0.05	318.01	C O A L.		
					0.39	0.44	318.45	Sh.		Sl.
318.45	320.60	2.15	1.93	89.76	0.75	0.84	319.29	Sh. with C. Bands.		Sl.

1	2	3	4	5	6	7	8	9	10	11
320.60	322.50	1.90	1.89	99.47	0.48	0.53	319.82	Sst. "gd. with Sh. laminae.		
322.50	325.50	3.00	2.99	99.66	0.10	0.11	319.93	Sh. aren(Powder).		
					0.60	0.67	320.60	Grit.		
					1.89	1.90	322.50	-do-		Fr.
					1.28	1.28	323.78	-do-		
					0.31	0.31	324.09	Sh.		
325.50	327.00	1.50	1.45	96.66	1.40	1.41	325.50	Sst. & Sh. Intercalated.		
					0.40	0.41	325.91	-do-		
					1.05	1.09	327.00	Sh.		
327.00	328.55	1.55	1.47	94.83	0.22	0.23	327.23	Sst. & Sh. Intercalated,		
					0.34	0.36	327.59	Sh.		
					0.76	0.80	328.39	Sst. & Sh. Intercalated.		
					0.15	0.16	328.55	Sh.		
328.55	329.05	0.50	0.46	92.00	0.46	0.50	329.05	Sst. & Sh. Intercalated.		
329.05	331.85	2.80	2.80	100.00	0.56	0.56	329.61	Sst. Mgd.		
					0.51	0.51	330.12	Sst. & Sh. Intercalated.		
					0.86	0.86	330.98	Sh.		
					0.20	0.20	331.18	Sst. & Sh. Intercalated.		
					0.08	0.08	331.26	C O A L.		
					0.32	0.32	331.58	Sst. Mgd.		
					0.03	0.03	331.61	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
331.85	332.85	1.00	0.99	99.00	0.12	0.12	331.73	Sst. & Sh. Intercalated.		
					0.06	0.06	331.79	C O A L.		
					0.06	0.06	331.85	Sh.		
					0.03	0.03	331.88	C O A L.		
					0.14	0.14	332.02	Sh.		
					0.28	0.28	332.30	Sst. Mgđ. with Sh. Laminae.		
					0.54	0.55	332.85	Sh.		
332.85	334.95	2.10	1.99	94.76	0.50	0.53	333.38	Sst. & Sh. Intercalated.		
					0.10	0.11	333.49	Sst. Mgđ.		
					0.32	0.34	333.83	Sh.		
					1.07	1.12	334.95	Sst. Mgđ.		
334.95	336.45	1.50	1.47	98.00	0.36	0.37	335.32	-do-		
					0.10	0.10	335.42	Sh.		
					0.26	0.27	335.69	Sst. Mgđ.		
					0.75	0.76	336.45	Sh. aren.		
336.45	338.00	1.55	1.48	95.48	0.38	0.40	336.85	-do-		
					1.10	1.15	338.00	Sh.		
					0.48	0.46	338.48	-do-		
338.00	340.65	2.65	2.56	96.60	0.22	0.23	338.71	C O A L.		
					1.19	1.23	339.94	Sst. & Sh. Intercalated.		
					0.62	0.64	340.58	Sst. Mgđ.		

Local(L-M)

Sl., Fr.

Br.

Br.

Fr.

1	2	3	4	5	6	7	8	9	10	11
340.65	343.70	3.05	2.98	97.70	0.74	0.76	341.41	Sst. & Sh. Intercalated.		
					0.45	0.46	341.87	Sst. Mgd. to Sst. Cgd.		
					1.22	1.25	343.12	Sst. Mgd.		
					0.57	0.58	343.70	Sst. & Sh. Intercalated.		
343.70	345.95	2.25	2.19	97.33	1.37	1.41	345.11	-do-		
					0.31	0.32	345.43	C. with Sh. Laminae, Local (L-10)		
					0.12	0.12	345.55	S.C.		
					0.39	0.40	345.95	Sh.		
345.95	347.50	1.55	1.50	96.77	0.15	0.15	346.10	Sst. & Sh. Intercalated.		
					0.52	0.54	346.64	Sst. Mgd.		
					0.63	0.86	347.50	Sh.		
347.50	350.50	3.00	2.84	94.66	0.58	0.61	348.11	Sh, aren.		
					1.17	1.24	349.35	Sst. Cgd.		
					1.09	1.15	350.50	Sst. & Sh. Intercalated.		
350.50	351.20	0.70	0.69	98.57	0.69	0.70	351.20	-do-		
351.20	351.85	0.65	0.65	100.00	0.65	0.65	351.85	Sh.		
351.85	354.35	2.50	1.74	69.60	0.44	0.65	352.50	Sh, aren.		
					0.13	0.18	352.68	Sst. & Sh. Intercalated.		
					0.39	0.56	353.24	Sh. with C. Streaks.		
					0.25	0.35	353.59	Sh, aren.		
					0.53	0.76	354.35	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
354.35	356.60	2.25	2.25	100.00	1.15	1.15	355.50	Sst. & Sh. Intercalated.		
					1.10	1.10	356.60	Sst. Argill.		
356.60	359.65	3.05	2.91	95.40	0.18	0.19	350.79	-do-		
					0.73	0.76	357.55	Sst. Mgd. with Sh. Bands.		
					2.00	2.10	359.65	Grit.		
359.65	361.30	1.65	1.51	91.51	0.76	0.80	360.45	-do-		
					0.23	0.24	360.69	Sh.		
					0.37	0.39	361.08	S.C.		
					0.21	0.22	361.30	Sh, aren.		
361.30	362.95	1.65	1.65	100.00	0.25	0.25	361.55	Sst. Argill.		
					1.40	1.40	362.95	Sst. & Sh. Intercalated.		
362.95	364.45	1.50	1.43	79.44	0.30	0.31	363.26	Sst. Argill.		
					0.32	0.34	363.60	Sst. Mgd.		
					0.45	0.47	364.07	Sst. & Sh. Intercalated.		
					0.36	0.38	364.45	Sst. Argill.		
364.45	365.70	1.25	1.11	88.60	0.86	0.97	365.42	Sh, aren.		
					0.17	0.19	365.61	Sst. Fgd.		
					0.03	0.09	365.70	Sst. Argill.		
365.70	368.70	3.00	3.00	100.00	0.04	0.04	365.74	-do-		
					0.27	0.27	366.01	Sst. Cgd.		
					0.17	0.17	366.18	Sst. Argill.		

1	2	3	4	5	6	7	8	9	10	11
366.70	371.75	3.05	3.05	100.00	0.70 1.62 0.24 0.37 1.11 0.63 0.70	0.70 1.82 0.24 0.37 1.11 0.63 0.70	366.68 368.70 368.94 369.31 370.42 371.05 371.75	Sst. Cgd. Sst. Mgd. with Sh. Bands. Sst. & Sh. Intercalated. Sst. Fgd. Sst. & Sh. Intercalated. Sh. Sh.		
371.75	373.10	1.35	1.35	100.00	1.35	1.35	373.10	-do-		
373.10	375.10	2.00	2.00	100.00	0.84	0.84	373.94	-do-		
375.10	376.90	1.80	1.60	100.00	1.16 0.72 0.28 0.36 0.44	1.16 0.72 0.28 0.36 0.44	375.10 375.82 376.10 376.46 376.90	C O A L. Sh, aren. Sst. Mgd. Sst. & Sh. Intercalated. Sh.	XVIII C Br.	
376.90	378.15	1.25	1.25	100.00	0.35 0.90 0.51 2.48	0.35 0.90 0.53 2.52	377.25 378.15 378.68 381.20	-do- C O A L. C O A L. Sst. & Sh. Intercalated.	XVIIIB	
378.15	381.20	3.05	2.99	98.03	0.82	0.82	382.02	-do-		
381.20	384.20	3.00	3.00	100.00	0.58 0.31	0.58 0.31	382.60 382.91	Sh. with C. Streaks. Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
398.60	401.65	3.05	3.05	100.00	0.13	0.13	398.73	C O A L.		Br.
					2.55	2.55	401.28	Sst. & Sh. Intercalated.		
401.65	404.25	2.60	2.60	100.00	0.37	0.37	401.65	Sst. Mgd.		
					1.55	1.55	403.20	-do-		
404.25	406.25	2.00	2.00	100.00	1.05	1.05	404.25	Sst. & Sh. Intercalated.		
					0.30	0.30	404.55	Sh.		
406.25	406.70	2.45	2.41	98.36	0.50	0.50	405.05	Sst. & Sh. Intercalated.		
					1.20	1.20	406.25	Sst. Tgd. with Sh. Bands.		
408.70	411.75	3.05	2.87	94.09	2.16	2.20	408.45	Sst. & Sh. Intercalated.		Sl.
					0.25	0.25	408.70	Sh.		
					0.38	0.40	409.10	-do-		
					0.41	0.44	409.54	Grit.		
					0.09	0.09	409.63	C O A L.		
411.75	414.75	3.00	2.93	97.66	1.73	1.84	411.47	Sst. & Sh. Intercalated.		
					0.26	0.28	411.75	C O A L.		
					0.03	0.03	411.78	-do-		
					0.33	0.34	412.12	Interbanding.		
					0.90	0.92	413.04	Grit.		
					0.20	0.20	413.24	Sst. Cgd.		
					0.71	0.73	413.97	Sst. & Sh. Intercalated.		
					0.10	0.10	414.07	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
414.75	417.50	2.75	2.75	100.00	0.66	0.68	414.75	Sst. & Sh. Intercalated.		Fr.
417.50	420.60	3.10	2.88	92.90	2.75	2.75	417.50	Sst. Cgd.		
420.60	423.00	2.40	2.40	100.00	2.38	3.10	420.60	-do-		
					0.20	0.20	420.80	-do-		
					0.20	0.20	421.00	Sh.		
					0.03	0.03	421.03	C O A L.		
					0.36	0.36	421.39	Sh. with aren Bands.		
					0.54	0.54	421.93	Sst. Fgd.		
					0.30	0.30	422.23	Sh.		
					0.20	0.20	422.43	Sst. & Sh. Intercalated.		
					0.15	0.15	422.58	Sh.		
					0.42	0.42	423.00	Sst. Fgd.		
423.00	424.25	1.25	1.25	100.00	1.10	1.10	424.10	Interbanding.		
					0.15	0.15	424.25	Sh.		
424.25	425.00	0.75	0.70	93.33	0.09	0.09	424.34	Sst. Cgd.		
					0.16	0.17	424.51	Sh.		
					0.22	0.24	424.75	Sst. Cgd.		
425.00	425.30	0.30	0.13	43.33	0.23	0.25	425.00	Sh.		
425.30	427.35	2.05	2.05	100.00	0.13	0.30	425.30	-do-		
					0.22	0.22	425.52	-do-		
					0.13	0.13	425.65	C O A L.		Fr.

1	2	3	4	5	6	7	8	9	10	11
427.35	430.40	3.05	3.04	99.67	1.70	1.70	427.35	Sst. & Sh. Intercalated.		Fr.
					0.49	0.49	427.84	-do-		
430.40	433.45	3.05	3.05	100.00	2.55	2.56	430.40	Grlt.		
433.45	436.50	3.05	2.99	98.03	3.05	3.05	433.45	-do-		
					0.93	0.95	434.40	Sst. Cgd.		
436.50	438.90	2.40	2.38	99.16	1.53	1.56	435.96	Sst. Mg'd. with Sh. Bands.		
					0.53	0.54	436.50	Sst. Cgd.		
438.90	440.60	1.70	1.58	92.94	2.12	2.14	438.64	-do-		
					0.26	0.26	438.90	Sst. & Sh. Intercalated.		
					0.16	0.17	439.07	C O A I.		Br.
					0.53	0.57	439.64	Sh.		Br.
					0.89	0.96	440.60	Sst. Mg'd. with Sh. Bands.		
440.60	442.70	2.10	1.64	78.09	0.53	0.68	441.28	-do-		
					0.54	0.69	441.97	Sst. & Sh. Intercalated.		
					0.39	0.50	442.47	Sst. Argill.		
					0.18	0.23	442.70	Sh. with C. Streaks.		
442.70	444.00	1.30	1.27	97.69	1.27	1.30	444.00	Sst. & Sh. Intercalated.		
444.00	445.75	1.75	1.75	100.00	0.38	0.38	444.38	Sst. Cgd.		
					0.46	0.46	444.84	Sst. & Sh. Intercalated.		
					0.27	0.27	445.11	Sst. Mg'd.		
					0.17	0.17	445.28	Sst. & Sh. Intercalated.		
					0.47	0.47	445.75	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
445.75	446.90	1.15	1.15	100.00	0.80	0.80	446.55	Sst. Cgd.		
					0.35	0.35	446.90	Sst. Mgd.		
446.90	448.70	1.80	1.79	99.44	1.64	1.65	448.55	Grit.		
					0.15	0.15	448.70	C O A L.		
448.70	450.20	1.50	1.40	93.33	0.12	0.13	448.03	C O A L.		
					1.28	1.37	450.20	Sst. & Sh. Intercalated.		
450.20	451.30	1.10	0.96	87.27	0.72	0.82	451.02	-do-		
					0.24	0.28	451.30	Sh.		
451.30	452.60	1.30	1.13	86.92	0.38	0.44	451.74	-do-		
					0.21	0.24	451.98	Sst. Mgd.		
					0.20	0.23	452.21	Sst. Argill.		
					0.11	0.13	452.34	C O A L.		
					0.10	0.11	452.45	Sh.		
					0.13	0.15	452.60	C O A L.		
452.60	454.85	2.25	2.24	99.55	0.15	0.15	452.75	Sh.		
					0.40	0.40	453.15	Sst. Fgd.		
					1.69	1.70	454.85	Sst. & Sh. Intercalated.		
454.85	457.90	3.05	2.91	95.40	1.30	1.36	456.21	-do-		
					0.52	0.54	456.75	Sst. Fgd. with Sh. Bands.		
					0.53	0.56	457.31	Sst. & Sh. Intercalated.		
					0.56	0.59	457.90	Sst. Argill.		

5
Local(L-8)

1	2	3	4	5	6	7	8	9	10	11
457.90	460.95	3.05	2.97	97.37	2.97	3.05	460.95	Sst. Cgd.		
460.95	464.20	3.25	3.11	95.69	1.02	1.09	462.04	Sst. Mgd.		
					0.84	0.90	462.94	Sst. & Sh. Intercalated.		
					1.25	1.26	464.20	Sh.		
464.20	465.35	1.15	1.15	100.00	0.15	0.15	464.35	Sh.		
					0.51	0.51	464.86	Sst. & Sh. Intercalated.		
					0.02	0.02	464.88	Sst. Mgd.		
					0.17	0.17	465.05	Sh.		
					0.20	0.20	465.25	Sst. Mgd. with Sh. Bands.		
					0.05	0.05	465.30	Sh.		
465.35	466.95	1.60	1.46	91.25	0.05	0.05	465.35	C O A L.		
					0.07	0.08	465.43	Sh.		
					0.22	0.24	465.67	C O A L.		
					0.35	0.38	466.05	Sh.		
					0.82	0.90	466.95	Sst. ARGILL.		
466.95	470.00	3.05	2.84	93.11	0.32	0.34	467.29	Sst. & Sh. Intercalated.		
					0.64	0.70	467.99	Sst. Cgd.		
					0.04	0.04	468.03	Sst. & Sh. Intercalated.		
					0.06	0.06	468.09	Csh.		
					0.19	0.20	468.29	C O A L.		
					1.12	1.21	469.50	Sst. Cgd.		

Local (L-7)

Br.
Br.
Br., VI

1	2	3	4	5	6	7	8	9	10	11
470.00	473.05	3.05	2.81	92.13	0.47	0.50	470.00	Gr.t.		
					0.91	0.99	470.99	-do-		
473.05	473.35	0.30	0.12	40.00	1.90	2.06	473.05	Sh. with C. Streaks.		Br., Vt.
					0.12	0.30	473.35	Sh,		
473.35	474.15	0.80	0.46	57.50	0.46	0.80	474.15	-do-		
474.15	475.65	1.50	0.96	64.00	0.50	0.78	474.93	Sst. & Sh. Intercalated.		
					0.46	0.72	475.65	Sst. Mgd.		
475.65	476.95	1.30	0.61	46.92	0.61	1.30	476.95	-do-		
476.95	479.00	2.05	1.57	76.58	0.23	0.30	477.25	Sh.		
479.00	480.00	1.00	0.82	82.00	1.34	1.75	479.00	Sst. Mgd. with Sh. Bands.		
480.00	481.00	1.00	1.00	100.00	0.82	1.00	480.00	Sst. Cgd.		
					0.98	0.98	480.98	Sst. & Sh. Intercalated.		
					0.02	0.02	481.00	Sh.		
481.00	483.10	2.10	2.03	96.66	0.30	0.31	481.31	-do-		
					1.73	1.79	483.10	Sst. Cgd.		
483.10	485.10	2.00	1.90	95.00	0.98	1.03	484.13	-do-		
					0.26	0.27	484.40	Sh.		
					0.39	0.41	484.81	Sst. & Sh. Intercalated.		
					0.27	0.29	485.10	Sst. Cgd. with Sh. Bands.		
485.10	487.10	2.00	1.90	95.00	0.18	0.19	485.29	-do-		

1	2	3	4	5	6	7	8	9	10	11
487.10	489.15	2.05	1.95	95.12	0.17	0.18	487.28	Sst. & Sh. Intercalated.		
489.15	492.20	3.05	2.84	93.11	1.78	1.87	489.15	Sst. Cgd.		Fr.
492.20	494.20	2.00	2.00	100.00	2.00	2.00	494.20	-do-		
494.20	496.00	1.80	1.73	96.11	1.73	1.80	496.00	Grit. with Quartz pebbles.		
496.00	498.40	2.40	2.10	87.50	1.40	1.60	497.60	Grit.		
498.40	498.65	0.25	0.15	60.00	0.70	0.80	498.40	Sst. & Sh. Intercalated.		
498.65	499.55	0.90	0.90	100.00	0.15	0.25	498.65	-do-		
499.55	500.80	1.25	0.36	28.80	0.90	0.90	499.55	-do-		
500.80	502.70	1.90	1.50	70.94	0.36	1.25	500.80	Sh.		
					0.14	0.17	500.97	-do-		
					1.36	1.73	502.70	C O A L.		
502.70	504.85	2.15	2.15	100.00	2.15	2.15	504.85	Sst. Mgd. with Sh. Bands.		
504.85	507.25	2.40	2.50	100.00	1.70	1.70	506.55	Sst. & Sh. Intercalated.		
					0.19	0.19	506.74	Sst. Cgd.		
507.25	508.90	1.65	1.65	100.00	0.51	0.51	507.25	Sst. & Sh. Intercalated.		
					0.61	0.61	507.86	-do-		
					1.04	1.04	508.90	Sst. Cgd. with Sh. Bands.		

Br.,
Sl.,

Fr.,

Fr.

1	2	3	4	5	6	7	8	9	10	11
526.70	529.70	3.00	2.65	83.33	0.16	0.20	526.90	Bst. & Sh. Intercalated.		
					0.57	0.65	527.55	Bst. Cgd. with Sh. Bands.		
529.70	530.15	0.45	0.45	100.00	1.90	2.15	529.70	Bst. Cgd.		
530.15	532.75	2.60	2.55	98.07	0.45	0.45	530.15	Bst. & Sh. Intercalated.		Fr.
					0.26	0.27	530.42	-do-		
532.75	535.80	3.05	3.05	100.00	2.29	2.33	532.75	Grti with Sh. Bands.		
					0.52	0.52	533.27	Bst. & Sh. Intercalated.		
					0.78	0.78	534.05	Bst. Cgd.		
					0.16	0.18	534.23	Sh, aren.		
					0.54	0.54	534.77	Bst. Cgd.		
					0.50	0.50	535.27	Sh.		
					0.21	0.21	535.48	Bst. Mgd.		
535.80	538.50	2.70	2.52	93.33	0.32	0.32	535.80	Sh, aren.		
					0.11	0.12	535.92	-do-		
					0.68	0.73	536.65	C O A L.		
					0.94	1.01	537.66	Bst. & Sh. Intercalated.		
					0.16	0.17	537.83	Sh.		
538.50	540.80	2.30	2.30	100.00	0.63	0.67	538.50	Bst. & Sh. Intercalated.		
					0.20	0.20	538.70	-do-		
540.80	542.35	1.55	1.50	96.77	2.10	2.10	540.80	Bst. Cgd.		
					1.50	1.55	542.35	-do-		Fr.

Local Br.

1	2	3	4	5	6	7	8	9	10	11
542.35	545.40	3.05	3.01	98.68	3.01	3.05	545.40	Sst. Cgd.		Fr.
545.40	548.40	3.00	2.94	98.00	0.21	0.21	545.61	Sst. Cgd.		
					0.10	0.10	545.71	Sh, aren.		
					0.10	0.10	545.81	Sst. Cgd.		
					1.43	1.42	547.28	Sst. & Sh. Intercalated.		
					1.10	1.12	548.40	Sst. Cgd.		
548.40	550.40	2.00	1.83	91.50	1.83	2.00	550.40	-do-		
550.40	551.40	1.00	0.74	74.00	0.15	0.20	550.60	C O A L.		
					0.37	0.50	551.10	Sh.		
					0.22	0.30	551.40	Sst. Mgd.		
551.40	551.90	0.50	0.37	74.00	0.37	0.50	551.90	Sst. Mgd. with Sh. Bands.		

BOREHOLE CLOSED AT 551.90 METRES ON 9.3.1979.

(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local (L-11)	338.48	338.70	0.22	
Local (L-10)	345.45	345.88	0.43	
XVIII D	360.69	361.08	0.39	
XVIII C	373.94	375.10	1.16	
XVIII B	377.25	378.68	1.43	
XVIII A	383.07	384.63	1.62	
XVIII	397.04	398.73	1.66	
Local (L-8)	448.55	448.83	0.28	
Local (L-7)	465.43	465.67	0.24	
XVII	500.97	502.70	1.73	
Local	535.92	536.65	0.73	

B O R E H O L E N O. NB-3

Latitude : 19349.8570

Departure : 23303.4384

R. L. of Collar : 199.481 m.

Depth drilled : 707.00 m.

Completed on : 2-10-1978
All dimensions in metre:

R U N		Thickness	RECOVERY		THICKNESS		Depth of floor	L I T H O L O G Y	Seam Correlation	Structure Features.
From	To		Recovered	Percent	Recovered	Extrapolated				
1	2	3	4	5	6	7	8	9	10	11
0.00	3.00	3.00	-	-	-	-	3.00	Soil		
3.00	6.00	3.00	-	-	-	-	6.00	Soil		
6.00	9.00	3.00	-	-	-	-	9.00	Soil		Weathered zone
9.00	12.55	3.55	-	-	-	-	12.55	Soil		
12.55	18.00	5.45	1.54	28.25	0.20	0.71	13.86	SST, Med.		
					0.79	2.80	16.06	Sn.		
					0.23	0.81	16.87	SST, Med.		
					0.32	1.13	18.00	SST. & Sn. Intercolated		
18.00	20.00	2.00	1.93	96.5	1.93	2.00	20.00	SST. & Sn. Intercolated		
20.00	23.10	3.10	3.10	100.00	3.10	3.10	23.10	SST. & Sn. Intercolated		
23.10	26.10	3.00	2.99	99.66	0.53	0.53	23.63	SST. Argil.		

1	2	3	4	5	6	7	8	9	10.	11
26.10	29.20	3.10	3.10	100.00	0.50	0.50	26.60	Sh. Aren.		
					0.42	0.42	27.02	SST. Mgd.		
					2.05	2.05	29.07	SST. Argil.		
					0.13	0.13	29.20	SST. Mgd.		
29.20	32.20	3.00	2.71	90.33	2.71	3.00	32.20	SST. & Sh. Intercalated		Br. Sl.
32.20	35.20	3.00	3.00	100.00	0.86	0.86	33.06	SST. & Sh. Intercalated		Br., Fr., Sl.
					0.42	0.42	33.48	SST. Mgd.		
					1.72	1.72	35.20	SST. & Sh. Intercalated		
35.20	38.25	3.05	3.05	100.00	3.05	3.05	38.25	SST. Mgd. with Sh. Laminæ		
38.25	41.35	3.10	3.09	99.67	2.12	2.13	40.38	SST. & Sh. Intercalated		
					0.97	0.97	41.35	SST. Argil.		
41.35	44.40	3.05	3.03	99.34	3.03	3.05	44.40	SST. Argil.		
44.40	47.50	3.10	3.02	97.41	2.38	2.44	46.84	SST. Argil.		Sl. Ps.
					0.64	0.66	47.50	Sh.		
47.50	50.50	3.00	2.97	99.00	1.32	1.34	48.84	Sh.		Sl.
					0.24	0.34	49.18	SST. Mgd.		
					1.31	1.32	50.50	SST. & Sh. Intercalated		
50.50	53.60	3.10	3.10	100.00	3.10	3.10	53.60	SST. & Sh. Intercalated		
53.60	56.70	3.10	3.00	96.77	0.17	0.18	53.78	SST. & Sh. Intercalated		
					0.75	0.78	54.46	SST. Mgd.		

BORE HOLE NO. MB - 3.

II/839

1	2	3	4	5	6	7	8	9	10	11
56.70	59.75	3.05	3.05	100.00	2.00	2.14	56.70	SST. & Sh. Intercalated		
					0.05	0.05	56.75	SST. & Sh. Intercalated		
					1.74	1.74	58.49	SST. Mg.		
					1.26	1.26	59.75	SST. & Sh. Intercalated		
59.75	62.80	3.05	3.05	100.00	0.82	0.82	60.52	Sh. Aren.		
					0.43	0.43	61.00	SST. & Sh. Intercalated		
					0.45	0.45	61.45	SST. Mg.		
					1.35	1.35	62.80	SST. & Sh. Intercalated		
62.80	65.85	3.05	3.04	99.67	2.36	2.37	65.17	SST. & Sh. Intercalated		
					0.54	0.54	65.71	SST. Mg.		
					0.14	0.14	65.85	SST. Fgd.		
65.85	68.95	3.10	3.05	98.38	0.62	0.63	66.48	SST. Fgd.		
					2.43	2.47	68.95	SST. & Sh. Intercalated		
68.95	72.00	3.05	3.05	100.00	3.05	3.05	72.00	SST. & Sh. Intercalated		
72.00	75.05	3.05	3.05	100.00	1.80	1.80	73.80	SST. & Sh. Intercalated		
					1.25	1.25	75.05	SST. Mg.		
75.05	78.15	3.10	3.10	100.00	3.10	3.10	78.15	SST. Mg.		
78.15	79.25	1.10	1.06	96.36	1.06	1.10	79.25	SST. Mg.		
79.25	81.25	2.00	1.99	99.5	1.99	2.00	81.25	SST. Mg.		
81.25	84.35	3.10	3.01	97.09	0.11	0.11	81.36	SST. Mg.		

1	2	3	4	5	6	7	8	9	10	11
84.35	87.45	3.10	3.09	99.67	0.80	0.82	82.75	Sst. Mgd.		
					1.55	1.60	84.35	Sst. & Sh. Intercalated		
					0.84	0.84	85.19	Sst. Argil.		
					1-12	1.13	86.32	Sst. & Sh. Intercalated		
					1.13	1.13	87.45	Sh. with Aren. bands		
87.45	90.45	3.00	3.00	100.00	0.40	0.40	87.85	Sh. with Aren. bands		
					1.15	1.15	89.00	Sst. & Sh. Intercalated		
					0.20	0.20	89.20	Sst. Mgd.		
					1.25	1.25	90.45	Sst. & Sh. Intercalated		
90.45	93.55	3.10	3.06	98.70	0.30	0.30	90.75	Sst. & Sh. Intercalated		
					0.23	0.23	90.98	Sh.		
					2.53	2.57	93.55	Sh. Aren.		
93.55	96.65	3.10	3.05	98.38	0.16	0.16	93.71	Sst. & Sh. Intercalated		
					1.41	1.43	95.14	Sst. Mgd.		
					1.43	1.46	96.60	Sst. & Sh. Intercalated		
					0.05	0.05	96.65	Jn.		
96.65	99.75	3.10	2.57	82.90	0.74	0.90	98.05	Sst. Mgd.		
					0.06	0.07	98.12	C O & L		
					0.34	1.01	99.13	Sst. Argil.		
					0.93	1.12	100.25	Sh. Aren.		
99.75	102.80	3.05	3.03	99.34	0.55	0.55	100.30	Sh. Aren.		

1	2	3	4	5	6	7	8	9	10	11
102.80	105.90	3.10	3.04	98.06	0.26	0.27	100.56	S&T. & Sh. Intercalated		
					1.99	2.00	102.56	S&T. Cgd.		
					0.23	0.23	102.80	Sh.		
					1.62	1.65	104.45	S&T. & Sh. Intercalated		
					0.24	0.24	104.69	Sh.		
					0.12	0.12	104.81	C O A L		
					1.06	1.09	105.90	S&T. & Sh. Intercalated		
105.90	108.90	3.00	2.98	99.33	0.11	0.11	106.01	Sh.		
					0.04	0.04	106.02	C O A L		
					0.27	0.27	106.32	S&T. & Sh. Intercalated		
					0.57	0.57	106.89	S&T. Mgd.		
					1.04	1.05	107.94	Sh.		
					0.71	0.72	108.66	S&T. & Sh. Intercalated		
					0.24	0.24	108.90	S&T. Mgd.		
					0.43	0.44	109.34	S&T. Mgd.		
108.90	111.95	3.05	2.96	97.04	0.24	0.25	109.59	S&T. & Sh. Intercalated		
					0.32	0.33	109.92	Sh.		
					0.06	0.06	109.98	C O A L		
					0.23	0.24	110.22	Sh.		
					0.23	0.24	110.46	S&T. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
111.95	115.00	3.05	3.05	100.00	3.05	3.05	115.00	SST. Mgd. with sh. bands		
115.00	118.10	3.10	3.10	100.00	3.10	3.10	118.10	SST. Mgd.		
118.10	121.20	3.10	3.12	100.00	3.10	3.10	121.20	SST. & sh. Intercalated		
121.20	124.30	3.10	3.02	97.41	0.30	0.31	121.51	SST. & sh. Intercalated		
					0.25	0.26	121.77	C O A L		
					0.60	0.68	122.45	SST. & sh. Intercalated		Fr.
					0.24	0.25	122.70	SST. Mgd.		Vfr.
					0.16	0.16	122.86	sh.		Vfr.
					0.35	0.36	123.22	SST. & sh. Intercalated		Vfr.
					1.06	1.08	124.30	sh.		Fr., V. fr.
124.30	127.40	3.10	2.99	96.45	0.14	0.15	124.45	sh. with C - streaks		
					0.34	0.35	124.80	sh. Aren.		
					0.38	0.39	125.19	SST. & sh. Intercalated		
					1.04	1.07	126.26	SST. Cgd.		
					1.09	1.14	127.40	SST. & sh. Intercalated		
127.40	130.50	3.10	3.07	99.03	1.45	1.47	128.87	SST. & sh. Intercalated		
					0.34	0.34	129.21	sh. with C - streak		
					0.25	0.25	129.46	C O A L		
					1.03	1.04	130.50	sh. with C - streaks		
130.50	133.55	3.05	3.02	99.01	0.35	0.35	130.85	sh.		
					0.11	0.11	130.96	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
133.55	136.65	3.10	3.07	99.03	0.73	0.74	134.29	ssT. & sh. Intercalated		
					0.73	0.74	135.94	sh. with Aren. bands		
					0.13	0.13	136.07	COAL with sh. bands		
					0.58	0.58	136.65	ssT. & sh. Intercalated		
136.65	139.70	3.05	3.05	100.00	1.56	1.56	138.21	ssT. & sh. Intercalated		
					0.65	0.65	138.86	sh.		
					0.04	0.04	138.90	C O A L		
					0.80	0.80	139.70	ssT. Mgd.		
139.70	142.80	3.10	2.99	96.45	1.80	1.86	141.56	ssT. & sh. Intercalated		
					1.19	1.24	142.80	sh.		
142.80	145.85	3.05	2.94	96.39	0.12	0.12	142.92	sh.		
					0.43	0.45	143.37	ssT. & sh. Intercalated		
					0.36	0.37	143.74	ssT. Mgd. with sh. bands		
					0.09	0.09	143.83	sh. Aren.		

1	2	3	4	5	6	7	8	9	10	11
145.85	148.95	3.10	3.09	99.67	1.39	1.45	145.20	SST. Mgd.		
					0.21	0.22	145.50	SST. & Sh. Intercalated		
					0.34	0.35	145.85	SST. Argil.		
					0.46	0.46	146.31	Sh. Aren.		
					0.46	0.46	146.77	SST. Mgda.		
					0.25	0.25	147.02	SST. Mgda. sideritic		
					0.50	0.50	147.52	SST. Mgda.		
					1.42	1.43	148.95	SST. & Sh. Intercalated		
148.95	151.95	3.00	2.86	95.33	1.05	1.10	150.05	SST. & Sh. Intercalated		Fr.
					1.81	1.90	151.95	Sh.		
151.95	155.00	3.05	2.94	96.39	0.41	0.43	152.38	Sh.		Fr., Fr., Sl
					1.30	1.35	153.73	SST. Argil.		
					0.48	0.49	154.22	Sh. with C - streaks		
					0.75	0.78	155.00	SST. Aren.		
155.00	156.40	1.40	1.40	100.00	1.40	1.40	156.40	SST. & Sh. Intercalated		
156.40	158.10	1.70	1.69	99.41	0.63	0.63	157.03	SST. & Sh. Intercalated		
					1.06	1.07	158.10	Sh. Aren.		
158.10	161.20	3.10	3.03	97.74	0.39	0.40	158.50	SST. & Sh. Intercalated		
					1.72	1.76	160.26	SST. Mgda.		
					0.33	0.39	160.65	SST. & Sh. Intercalated		
					0.23	0.24	160.89	Sh.		

1	2	3	4	5	6	7	8	9	10	11
161.20	164.30	3.10	3.01	97.09	0.11	0.11	161.00	bst. Mgd.		
					0.20	0.20	161.20	sh. with C - streaks		
					0.12	0.12	161.32	sh. with C - streaks		
					0.21	0.22	161.54	bst. Mgd.		
					0.04	0.04	161.58	C O A L		
					0.18	0.18	161.76	bst. Mgd.		
					0.42	0.43	162.19	sh. with C - bands		
					0.57	0.59	162.73	bst. & sh. Intercalated		
					0.54	0.56	163.34	sh.		
					0.25	0.26	163.60	bst. Mgd.		
					0.63	0.70	164.30	bst. & sh. Intercalated		
164.30	167.35	3.05	3.00	98.36	0.72	0.73	165.03	bst. & sh. Intercalated		
					0.39	0.40	165.43	sh.		
					1.62	1.65	167.03	bst. & sh. Intercalated		
					0.27	0.27	167.35	sh.		
167.35	170.40	3.05	3.03	99.34	0.93	0.99	168.34	sh.		
					1.70	1.71	170.05	bst. & sh. Intercalated		
					0.35	0.35	170.40	bst. Mgd. with sh. laminae		
170.40	171.30	1.40	1.35	96.42	1.30	1.35	171.75	bst. Mgd. with sh. laminae		
					0.05	0.05	171.80	bst. & sh. Intercalated		
171.80	173.50	1.70	1.70	100.00	1.70	1.70	173.50			

Sl., Ps.

1	2	3	4	5	6	7	8	9	10	11
173.50	176.55	3.05	2.98	97.70	0.47	0.48	173.98	bst. & sh. Intercalated		
					0.09	0.09	174.07	C O A L		
					0.27	0.28	174.35	bst. & sh. Intercalated		
					1.10	1.13	175.48	sh. Aren.		
					0.18	0.18	175.66	bst. & sh. Intercalated		
					0.87	0.89	176.55	bst. Cgd.		
176.55	179.65	3.10	3.08	99.35	2.36	2.38	178.93	bst. Cgd.		
					0.72	0.72	179.65	bst. Argll.		
179.65	182.70	3.05	3.05	100.00	1.82	1.82	181.47	bst. & sh. Intercalated		
					1.23	1.23	182.70	bst. Cgd.		
182.70	184.70	2.00	2.00	100.00	2.00	2.00	184.70	bst. Cgd.		
184.70	185.80	1.10	1.07	97.27	0.02	0.02	184.72	bst. Cgd.		
					0.66	0.68	185.40	sh.		
					0.13	0.13	185.53	bst. & sh. Intercalated		
					0.26	0.27	185.80	bst. Mgd.		
185.80	188.85	3.05	2.98	97.70	0.43	0.44	186.24	bst. Mgd.		
					0.29	0.30	186.54	bst. & sh. Intercalated		
					0.26	0.27	186.81	sh.		
					0.39	0.40	187.21	bst. & sh. Intercalated		
					0.65	0.66	187.87	sh.		
					0.02	0.02	187.89	C O A L		

1	2	3	4	5	6	7	8	9	10	11
188.85	191.85	3.00	2.97	99.00	0.10	0.10	188.95	sh. with C - streaks C O A L		
191.85	194.85	3.00	2.99	99.66	0.29	0.29	191.85	bst. Argil.		
194.85	197.95	3.10	3.10	100.00	0.23	0.24	194.85	bst. & sh. Intercalated	Fr.	
197.95	199.35	1.40	1.35	96.42	0.83	0.86	197.95	bst. & sh. Interbanding	Vfr.	
					0.10	0.10	198.81	bst. Cgd.		
					0.42	0.44	198.91	sh. with C - streak		
199.35	200.70	1.35	1.34	99.25	0.14	0.14	199.35	C O A L		
					0.18	0.18	199.49	C O A L		
					1.02	1.03	199.67	sh. with C - streaks		
200.70	202.85	2.15	2.15	100.00	2.15	2.15	200.70	bst. & sh. Intercalated		
202.85	203.85	1.00	0.99	99.00	0.87	0.88	202.85	bst. & sh. Intercalated		
					0.12	0.12	203.73	bst. & sh. Intercalated		
203.85	206.60	2.75	2.75	100.00	0.43	0.43	203.85	bst. Mgd.		
					0.32	0.32	204.28	bst. Mgd.		
							204.60	bst. & sh. Intercalated		

XVIII D

1	2	3	4	5	6	7	8	9	10	11
206.60	209.60	3.00	2.97	99.00	2.97	3.00	209.60	ssL. Cgd.		
209.60	210.15	0.55	0.54	98.18	0.54	0.55	210.15	ssL. Mgd.		
210.15	213.25	3.10	3.02	97.41	1.36	1.40	211.55	ssL. Mgd.		
					0.43	0.44	211.99	ssL. & sh. Intercalated		
					0.34	0.35	212.34	ssL. Mgd.		
					0.67	0.68	213.02	ssL. & sh. Intercalated		
					0.22	0.23	213.25	sh.		
213.25	216.25	3.00	3.00	100.00	0.73	0.73	213.93	ssL. & sh. Intercalated		
					2.22	2.22	216.20	sh.		
					0.05	0.05	216.25	C U A L		
216.25	218.10	1.35	1.81	97.83	0.33	0.35	216.60	Gsh.		
					1.40	1.42	218.02	C U A L		
					0.08	0.08	218.10	sh.		
218.10	219.25	1.15	1.15	100.00	0.83	0.83	218.93	ssL. & sh. Intercalated		
					0.10	0.10	219.03	ssL. Mgd.		
					0.21	0.21	219.25	sh.		
219.25	222.30	3.05	3.05	100.00	0.23	0.23	219.53	sh. with C - bands		
					1.66	1.66	221.19	Coal with sh.		
					0.33	0.33	221.52	sh.		
					0.78	0.78	222.30	ssL. & sh. Intercalated		
222.30	224.10	1.30	1.72	95.55	0.64	0.67	222.97	ssL. & sh. Intercalated		

XVIII C

Br., Fr.

XVIII B

1	2	3	4	5	6	7	8	9	10	11
224.10	225.35	1.25	1.25	100.00	0.35	0.35	224.45	sh. with C-bands	sl., Ps.	
225.35	227.35	2.00	1.80	90.00	0.20	0.20	225.35	ssT. Argill.		
227.35	228.35	1.00	0.96	96.00	1.80	2.00	227.35	C O A L (Powder)	XVIII A	
228.35	231.45	3.10	3.09	99.67	0.70	0.73	228.08	ssT. & sh. Interbanding		
231.45	234.50	3.05	3.02	99.01	0.26	0.27	228.35	ssT. Argill.		
234.50	237.50	3.00	3.00	100.00	1.13	1.13	229.48	ssT. & sh. Intercalated		
237.50	238.35	0.85	0.84	98.82	1.96	1.97	231.45	ssT. Cgd.		
238.35	240.50	2.15	2.08	96.74	3.03	3.05	234.50	ssT. Cgd.		
					3.00	3.00	237.50	ssT. Cgd.		
					0.69	0.70	238.20	ssT. Cgd.		
					0.15	0.15	238.35	Quartz pebbles in Mgd. matrix with Coal		
					0.21	0.21	238.56	sh. with C - streak		
					0.41	0.44	239.00	ssT. & sh. Intercalated		
					0.16	0.16	239.16	Sh. Aren.		
					1.30	1.34	240.50	C O A L		
240.50	243.60	3.10	3.10	100.00	0.52	0.52	241.02	C O A L		

1	2	3	4	5	6	7	8	9	10	11
243.60	246.65	3.05	3.05	100.00	1.34	1.34	244.94.	sst. & sh. Intercalated		Vfr.
					0.75	0.75	245.69.	sst. Mgd.		Vfr.
246.65	249.45	2.30	2.80	100.00	0.96	0.96	246.65.	sst. & sh. Intercalated		Vfr.
					0.80	0.80	247.45	sst. & sh. Intercalated		Vfr., sl., Ps
249.45	252.15	2.70	2.70	100.00	3.00	2.00	249.45.	sst. Mgd.		Vfr.
					0.83	0.84	250.29	sst. & sh. Intercalated		sl., Ps.
					0.65	0.65	250.94	C O A L		Local(L-9)
					0.14	0.14	251.08	sh. with C - streaks		
					0.26	0.26	251.34	COAL with sh. bands		
					0.19	0.19	251.53	sh. with C - streaks		
252.15	254.05	1.90	1.38	98.94	0.62	0.62	252.15	sst. Mgd. with sh. bands		
					0.94	0.95	253.10	sst. Mgd.		
					0.64	0.65	253.75	sst. & sh. Intercalated		
					0.30	0.30	254.05	C O A L		
254.05	255.20	1.15	1.12	97.39	0.40	0.41	254.46	sh. with C - streaks		
					0.55	0.57	255.03	sst. & sh. Intercalated		
					0.17	0.17	255.20	sst. Mgd.		
255.20	258.20	3.00	2.94	98.00	0.18	0.18	255.38	sst. Mgd.		
					0.60	0.61	255.99	sst. & sh. Intercalated		
					0.84	0.86	256.85	sh. Aren.		
					0.86	0.88	257.73	sst. & sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
258.20	259.80	1.60	1.58	98.75	0.43	0.44	258.17	SST. Mgd.		
					0.03	0.03	258.20	SST. & Sh. Intercalated		
					0.04	0.04	258.24	SST. & Sh. Intercalated		
					0.04	0.08	258.32	Sh.		
					0.03	0.03	258.35	C O A L		
					0.05	0.35	258.70	SST. Argil.		
					0.36	0.37	259.07	Sh. with C - streaks		
					0.68	0.69	259.76	SST. & Sh. Intercalated		
					0.04	0.04	259.80	SST. Mgd.		
259.80	261.05	1.25	0.97	77.6	0.34	0.44	260.24	SST. Mgd.		Sl.
					0.16	0.21	260.45	Sh.		
					0.11	0.14	260.59	SST. & Sh. Intercalated		
					0.36	0.46	261.05	Coal with Sh. mixed		Br.
261.05	263.90	2.85	2.81	98.59	0.71	0.72	261.77	SST. & Sh. Intercalated		
					0.63	0.74	262.41	SST. Mgd.		
					0.13	0.13	262.54	SST. & Sh. Intercalated		
					0.34	0.35	262.89	SST. Mgd.		
					1.00	1.01	263.90	SST. Mgd.		
263.90	265.15	1.25	1.25	100.00	1.25	1.25	265.15	SST. Mgd. with Sh.		Vfr.
265.15	267.05	1.90	1.88	98.94	0.53	0.58	265.73	SST. Mgd. with Sh.		
					1.30	1.32	267.05	Sh. with Aren. bands		

1	2	3	4	5	6	7	8	9	10	11
267.05	270.15	3.10	3.03	97.74	0.41	0.42	267.47	Sh. with C - streaks		
					0.92	0.94	268.41	SST. & Sh. Intercalated		
					0.24	0.24	268.65	Sh. with C - streaks		
					0.39	0.40	269.05	C O A L		
					0.46	0.47	269.52	Sh. with Aren. bands		
					0.32	0.33	269.85	SST. & Sh. Intercalated		
					0.29	0.30	270.15	SST. Mgd.		
270.15	271.30	1.15	1.14	99.13	0.26	0.27	271.02	SST. Mgd.		
					0.28	0.28	271.30	SST. & Sh. Intercalated		
271.30	273.15	1.85	1.72	92.97	0.31	0.34	271.64	SST. & Sh. Intercalated		
					0.04	0.04	271.68	C O A L		
					0.32	0.35	272.03	SST. & Sh. Intercalated		
					0.16	0.17	272.20	Sh. Aren.		
					0.19	0.20	272.40	C O A L		
					0.23	0.25	272.65	Sh.		
					0.20	0.22	272.87	SST. Argill.		
					0.06	0.06	272.93	C O A L		
					0.05	0.05	272.98	Sh.		
					0.05	0.05	273.03	C O A L		
273.15	275.00	1.85	1.78	96.21	0.11	0.12	273.15	SST. & Sh. Intercalated		
					0.58	0.59	273.74	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
275.00	276.50	1.50	1.48	98.66	0.15	0.15	273.89	Sh. with COAL		
276.50	279.60	3.10	3.05	98.38	0.03	0.08	273.97	COAL		
279.60	282.20	2.60	2.50	96.15	0.25	0.25	274.22	SST. Mgd.		
					0.72	0.78	275.00	SST. Argill.		
					0.89	0.90	275.90	SST. & Sh. Intercalated		Fr.
					0.59	0.60	276.50	SST. Mgd.		
					3.05	3.10	279.60	SST. Mgd.		
					0.29	0.31	279.91	SST. Mgd.		
					0.28	0.29	280.20	SST. & Sh. Intercalated		
					0.18	0.13	280.38	COAL with sideritic bands		
					0.31	0.32	280.70	COAL		Local(L-9)
					1.07	1.12	281.82	Sh. with C - bands		
					0.28	0.29	282.11	SST. & Sh. Intercalated		
					0.09	0.09	282.20	Sh. Aren.		
282.20	284.30	2.60	2.60	100.00	0.32	0.32	282.52	Sh.		
284.80	285.55	0.75	0.74	98.66	2.28	2.28	284.80	SST. Ggd. with Sh. bands		
285.55	288.45	2.90	2.84	97.93	0.74	0.75	285.55	Sh. with Aren. bands		
					0.62	0.64	286.19	SST. & Sh. Intercalated		
					0.91	0.93	287.12	SST. Mgd. with Sh. bands		
					1.31	1.33	288.45	SST. & Sh. Interbanding		

1	2	3	4	5	6	7	8	9	10	11
290.80	291.70	0.90	0.87	96.66	1.13	1.15	289.83	bst. Mgd.		
291.70	292.70	1.00	0.98	98.00	0.22	0.22	290.05	bst. & Sh. Intercalated		
					0.43	0.44	290.49	bst. Mgd.		
					0.20	0.21	290.70	bst. & Sh. Intercalated		
					0.10	0.10	290.30	Sh.		
292.70	294.70	2.00	1.94	97.00	0.87	0.90	291.70	bst. Mgd. with Sh. bands		
					0.75	0.77	292.47	bst. & Sh. Intercalated		
					0.23	0.23	292.70	bst. & Sh. Intercalated		
					0.37	0.38	293.08	bst. & Sh. Intercalated		
					0.17	0.18	293.26	bst. Mgd.		
					0.05	0.05	293.31	Sh.		
					0.30	0.31	293.62	C O A L		
					0.96	0.99	294.61	Sh. with C - bands		
294.70	297.50	2.80	2.72	97.14	0.09	0.09	294.70	C O A L		
					0.18	0.19	294.89	C O A L		
					2.54	2.61	297.50	Sh.		
297.50	300.60	3.10	3.06	98.70	1.35	1.33	298.85	Sh. with C - streaks		
					1.38	1.40	300.25	Sh. with Aren. bands		
					0.35	0.35	300.60	bst. Cgd.		
300.60	302.10	1.50	1.50	100.00	1.50	1.50	302.10	grit.		
302.10	303.40	1.30	1.30	100.00	1.30	1.30	303.40	grit.		

1	2	3	4	5	6	7	8	9	10	11
303.40	306.90	3.00	3.00	100.00	3.00	3.00	306.40	Grt.		
306.90	310.00	3.10	3.10	100.00	0.76	0.76	307.66	Grt.		
					2.34	2.34	310.00	C O A L		
310.00	313.05	3.05	2.99	98.03	1.04	1.06	311.06	C O A L		Br.
					0.70	0.71	311.77	Sst. & Sh. Interbanding.		
					1.25	1.28	313.05	Sst. Mg.		
313.05	314.30	1.25	1.21	96.8	1.21	1.25	314.30	Sst. & Sh. Intercalated		
314.30	316.10	1.80	1.72	95.55	0.73	0.77	315.07	Sst. Mg.		
					0.30	0.31	317.38	C O A L		
					0.69	0.72	316.10	Sh. with C - band		
316.10	317.35	1.25	1.22.	97.6	1.22	1.25	317.35	Sst. & Sh. Intercalated.		
317.35	318.00	0.65	0.57	87.69	0.57	0.65	318.00	Sh.		
318.00	319.10	1.10	1.08	98.18	0.50	0.51	318.51	Sst. & Sh. Intercalated		
					0.33	0.34	318.85	Sh.		
					0.25	0.25	319.10	Sst. Mg.		
319.10	322.10	3.00	2.94	98.00	0.61	0.62	319.72	Sst. Mg.		
					2.33	2.38	322.10	Sst. & Sh. Intercalated		
322.10	325.10	3.00	2.98	99.33	0.37	0.37	322.47	Sst. & Sh. Intercalated		
					2.61	2.63	325.10	Sst. Mg.		
325.10	326.90	1.80	1.79	99.44	1.79	1.80	326.90	Sst. Mg.		
326.90	328.20	1.30	1.30	100.00	0.04	0.04	326.94	Sh. baked		

sl., dr.

XVII A

1	2	3	4	5	6	7	8	9	10	11
328.20	330.80	2.60	2.58	99.23	0.28	0.28	327.54	Jh.		
					0.05	0.05	327.59	C O A L		
					0.61	0.61	328.20	ssT. & sh. Intercalated		
					0.24	0.24	328.44	ssT. & sh. Intercalated		
					1.50	1.52	329.96	C O A L		
					0.84	0.84	330.80	ssT. Mgd.		
330.80	333.55	2.75	3.05	100.00	0.67	0.67	331.47	ssT. & sh. Intercalated		
					2.08	2.08	333.55	ssT. Cgd.		
333.55	336.60	3.05	3.05	100.00	3.05	3.05	336.60	ssT. Cgd.		
336.60	337.60	1.00	1.00	100.00	1.00	1.00	337.60	Grit.		
337.60	339.50	1.90	1.90	100.00	0.32	0.32	337.92	Grit.		
					1.23	1.23	339.15	ssT. & sh. Intercalated		
					0.35	0.35	339.50	ssT. Mgd.		
339.50	342.55	3.05	3.04	99.67	3.04	3.05	342.55	ssT. Mgd. with Sh. bands		
342.55	344.15	1.60	1.60	100.00	0.90	0.90	343.45	ssT. & sh. Intercalated		
					0.70	0.70	344.15	ssT. Argill.		
344.15	345.80	1.65	1.60	96.96	1.60	1.65	345.80	ssT. & sh. Intercalated		
345.80	347.05	1.25	1.25	100.00	1.25	1.25	347.05	ssT. & sh. Intercalated		
347.05	348.85	1.80	1.79	99.44	0.40	0.40	347.45	ssT. & sh. Intercalated		
					0.34	0.34	347.79	Sh.		
					1.05	1.06	348.85	ssT. Mgd. with Sh. bands		

XVII

BORE HOLE NO. MB - 3.

II/357

1	2	3	4	5	6	7	8	9	10	11
348.85	350.60	1.75	1.75	100.00	0.24	0.24	349.09	bst. Mgđ. with Sh. bands	Local(L-6)	Br.
					0.18	0.18	350.27	bst. & Sh. Interclations		
					0.33	0.33	350.60	C O A L		
350.60	351.60	1.00	0.99	99.00	0.54	0.55	350.15	C O A L	Local(L-5)	Br.
					0.45	0.45	351.60	bst. Mgđ. with Sh. bands		
351.69	354.70	3.10	3.09	99.67	0.50	0.50	352.10	bst. Mgđ.		
					0.11	0.11	352.21	Sh.	Local(L-5)	Br.
					0.38	0.38	352.59	C O A L		
					0.85	0.86	353.45	bst. & Sh. Interclated		
					0.47	0.47	353.92	C O A L	Local(L-5)	Br.
					0.78	0.78	354.70	Sh.		
354.70	357.80	3.10	2.32	74.83	0.68	0.91	355.61	Sh. Aren.		
					0.49	0.65	356.26	bst. & Sh. Interclated	Local(L-5)	Br.
					1.15	1.54	357.80	bst. Mgđ.		
357.80	359.55	1.75	1.71	97.71	1.22	1.25	359.05	bst. Mgđ.		
					0.35	0.36	359.41	C O A L	Local(L-5)	Br.
					0.08	0.08	359.49	Sh. with C - streaks		
					0.06	0.06	359.55	bst. Mgđ. with Sh. bands		
359.55	362.10	2.55	2.55	100.00	0.57	0.57	360.12	bst. Mgđ. with Sh. bands	Local(L-5)	Br.
					1.93	1.93	362.05	bst. Mgđ.		

1	2	3	4	5	6	7	8	9	10	11
362.10	362.70	0.60	0.60	100.00	0.60	0.60	362.70	Sst. & Sh. Intercalated		
362.70	363.35	0.65	0.61	93.84	0.61	0.65	363.35	Sst. Mg.d. with Sh. bands		
363.35	366.10	2.75	2.54	92.36	0.53	0.57	363.92	Sst. Mg.d.		
					1.64	1.78	365.70	Sst. & Sh. Intercalated		
366.10	366.75	0.65	0.63	96.92	0.37	0.40	366.10	C O A L		
					0.22	0.23	366.33	Sh.		
366.75	368.85	2.10	2.10	100.00	0.41	0.42	366.75	Sh. Aren.		
					0.05	0.05	366.80	Sh. Aren.		
368.85	371.05	2.20	2.20	100.00	2.05	2.05	368.85	Sst. Mg.d.		
371.05	373.05	2.00	1.87	93.5	2.20	2.20	371.05	Sst. Mg.d.		
					1.07	1.15	372.20	Sst. Mg.d.		
					0.32	0.34	372.54	Sst. & Sh. Intercalated		
373.05	375.30	2.25	2.20	97.77	0.48	0.51	373.05	Sst. Mg.d.		
375.30	378.30	3.00	2.83	94.33	2.20	0.25	375.30	Sst. Mg.d.		
					2.38	2.52	377.82	Grit. with pebbles Quartz at bottom		
					0.29	0.31	378.13	Sh.		
378.30	381.30	3.00	2.88	96.00	0.16	0.17	378.30	Sh. with C - bands		
381.30	382.55	1.25	1.16	92.8	2.88	3.00	381.30	Sst. Mg.d.		
					0.71	0.76	382.06	Sst. Mg.d.		
					0.45	0.49	382.55	Sh. Aren.		

Fr., Br.
Sl., Ps.

1	2	3	4	5	6	7	8	9	10	11
382.55	383.55	1.00	0.90	90.00	0.45	0.50	383.05	SST. & Sh. Intercalated		
					0.45	0.50	383.55	Sh. Aren.		
383.55	384.75	1.20	1.15	95.83	1.15	1.20	384.75	Sh. Aren.		
384.75	385.65	0.90	0.84	93.33	0.84	0.90	385.65	SST. & Sh. Intercalated		Pr., Br.
385.65	386.40	0.75	0.73	97.33	0.43	0.44	386.09	SST. & Sh. Intercalated		
					0.30	0.31	386.40	Sh.		SL., Ps.
386.40	387.50	1.10	1.10	100.00	0.20	0.20	386.60	Sh.		SL., Ps., Br.
					0.90	0.90	387.50	SST. Mgd.		
387.50	390.20	2.70	2.60	96.29	1.04	1.08	388.58	SST. Cgd.		
					1.23	1.28	389.86	SST. Mgd.		Fr.
390.20	391.20	1.00	0.95	95.00	0.33	0.34	390.20	SST. & Sh. Intercalated		
					0.49	0.51	390.71	SST. & Sh. Intercalated		
					0.14	0.15	390.86	Sh.		
391.20	392.20	1.00	0.96	96.00	0.32	0.34	391.20	SST. & Sh. Intercalated		
					0.35	0.37	391.57	Sh. Aren.		
					0.05	0.05	391.62	Csh.		
					0.24	0.25	391.87	C O A L		
					0.32	0.33	392.20	SST. Argil.		
392.20	393.60	1.40	1.36	97.14	1.36	1.40	393.60	SST. & Sh. Intercalated		
393.60	394.20	0.60	0.60	100.00	0.60	0.60	394.20	SST. & Sh. Intercalated		
394.20	396.60	2.40	2.40	100.00	0.54	0.54	394.74	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
396.60	399.75	3.15	3.00	98.09	0.28	0.28	395.02	Sh. baked at the bottom		
					0.47	0.47	395.49	M.P.		
					0.06	0.06	395.55	Sh. baked		
					0.05	0.05	395.60	M.P.		
					0.39	0.39	395.99	Jh.		
					0.61	0.61	396.60	M.P.		
					0.85	0.87	397.47	M.P.		
					0.37	0.88	398.35	Jh.		
					0.47	0.48	398.83	C O A L		
399.75	400.75	1.00	0.92	92.00	0.90	0.92	399.75	SsT. & Sh. Intercalated		Br.
					0.31	0.33	400.08	SsT. & Sh. Intercalated		Vfr.
400.75	401.45	0.70	0.66	94.28	0.61	0.67	400.75	SsT. Mgd. with Sh. band		Fr., Br.
					0.34	0.36	401.11	SsT. Mgd. with quartz pebbles		
401.45	402.75	1.30	1.20	92.30	0.32	0.34	401.45	Sh. Aren.		
					0.87	0.94	402.39	SsT. & Sh. Intercalated		
402.75	404.25	1.50	1.39	26.00	0.33	0.36	402.75	Sh.		
					0.06	0.25	403.00	Sh.		
404.25	405.05	0.80	0.28	35.00	0.33	1.25	404.25	Feb.		Br.
405.05	405.75	0.70	0.15	21.42	0.28	0.80	405.05	C O A L		Br.
405.75	406.75	1.00	0.36	36.00	0.15	0.70	405.75	C O A L		Br.
					0.21	0.53	406.33	C O A L		Br.
					0.15	0.42	406.75	Sh.		Br., Sl., Ps.

XVI C

XVI A/B

SOLE HOLE NO. MB - 3.

II/861

1	2	3	4	5	6	7	8	9	10	11
406.75	407.70	0.95	0.32	33.68	0.23	0.63	407.43	Sh.		Br., Sl.
407.70	408.25	0.55	0.21	38.18	0.09	0.27	407.70	C O A L		
408.25	408.75	0.50	0.50	100.00	0.21	0.55	408.25	Sh.		Sl., Ps.
408.75	410.10	1.35	1.34	99.26	0.50	0.50	408.75	Sideritic Fgd.		
					0.50	0.50	409.25	SST. Argil.		Vfr.
410.10	411.85	1.75	1.75	100.00	0.84	0.85	410.10	SST. & Sh. Intercalated		
					0.33	0.33	410.43	SST. & Sh. Intercalated		
					0.27	0.27	410.70	Grit.		
					0.50	0.50	411.20	Grit. with Sh. bands		
					0.65	0.65	411.85	SST. Cgd.		
411.85	414.85	3.00	2.96	98.66	2.96	3.00	414.85	Grit. sideritic		
414.85	417.40	2.55	2.52	98.82	2.52	2.55	417.40	Grit. Sideritic		
417.40	417.70	0.30	0.06	20.00	0.06	0.30	417.70	Sh.		
417.70	418.20	0.50	0.46	92.00	0.16	0.18	418.20	C O A L		
418.20	418.90	0.70	0.63	90.00	0.56	0.62	418.82	C O A L		
					0.07	0.08	418.90	Sh.		
418.90	419.40	0.50	0.49	98.00	0.49	0.50	419.40	Sh.		
419.40	420.90	1.50	1.27	84.66	0.35	0.43	419.83	Sh. with C - streaks		
					0.92	1.07	420.90	SST. Argil.		
420.90	422.65	1.75	1.75	100.00	1.58	1.58	422.48	SST. Argil.		
					0.17	0.17	422.65	SST. Argil.		

XVI

Br.
Ps.

1	2	3	4	5	6	7	8	9	10	11
422.65	425.70	3.05	3.00	98.36	0.28	0.28	422.93	S&T. & Sh. Intercalated		
					0.28	0.29	423.22	S&T. Mgd. with Sh. bands		
					2.44	2.48	425.70	Grit.		
425.70	427.10	1.40	1.40	100.00	0.20	0.20	425.90	S&T. Cgd.		
					1.20	1.20	427.10	Grit.		
427.10	428.90	1.80	1.80	100.00	1.64	1.64	428.74	Grit. with quartz pebbles at the bottom.		
428.90	430.35	1.45	1.41	97.24	1.41	1.45	430.35	Sh. with Aren. bands	Fr.	
430.35	431.40	1.05	1.04	99.04	1.04	1.05	431.40	Aren. Junc.	Br, Vfr	
431.40	433.50	2.10	2.01	95.71	0.38	0.92	432.32	-do-		
					0.18	0.18	432.50	S&T. Cgd.		Fr, Vfr.
					0.61	0.64	433.14	Sh, aren.		
					0.34	0.36	433.50	S&T. Argil.		
433.50	435.55	2.05	2.05	100.00	0.33	0.33	433.83	Mgd. with Sh bands.		
					0.42	0.42	434.25	Sh. with G. streak.		
					1.30	1.30	435.55	S&T. Mgd.		
435.55	436.75	1.20	1.09	90.83	0.44	0.48	436.03	S&T. Mgd.		
					0.65	0.72	436.75	S&T. Cgd.		
436.75	439.75	3.00	3.00	100.00	3.00	3.00	439.75	-do-		
439.75	442.85	3.10	3.05	98.38	2.42	2.46	442.21	-do-		
					0.63	0.64	442.85	Grit.		
442.85	444.80	1.95	1.94	99.48	0.59	0.59	443.44	-do-		
					1.35	1.36	444.80	Sh. with aren bands.		

BOREHOLE NO. MB - 3.

1	2	3	4	5	6	7	8	9	10	11
444.80	445.90	1.10	1.10	100.00	0.27	0.27	445.07	Sh. with aren bands.		
					0.83	0.83	445.90	Sst. Cgd.		
445.90	448.95	3.05	3.01	98.68	3.01	3.05	448.95	do-do-; thin.		Fr.
448.95	452.05	3.10	3.10	100.00	1.38	1.38	450.33	Grit.		
					0.14	0.14	450.47	Sh, aren.		
					0.20	0.20	450.67	C O A L.		
					0.46	0.46	451.13	Sh.		
					0.15	0.15	451.28	Csh. with C. streak		
					0.77	0.77	452.05	C O A L.		Fr.
452.05	454.05	2.00	2.00	100.00	0.62	0.62	452.67	C O A L.		
					0.06	0.06	452.73	Sh.		XV
					1.32	1.32	454.05	C O A L.		
454.05	455.40	1.35	1.35	100.00	0.67	0.67	454.72	C O A L.		
					0.20	0.20	454.92	Thama.		
					0.10	0.10	455.02	M. l.		
					0.17	0.17	455.19	Thama.		
					0.05	0.05	455.24	M. P.		
					0.08	0.08	455.32	Thama.		
					0.08	0.08	455.40	Sh. backed.		
					0.31	0.40	455.80	Sh.		SL, Fr.
455.40	457.00	1.60	1.26	78.75	0.12	0.15	455.95	SST. argill.		
					0.83	1.05	457.00	SST. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
458.75	460.85	2.10	2.06	98.09	1.36 1.15	1.36 1.18	458.75 459.93	SST. Mgd. -do-		
460.85	461.90	1.05	1.05	100.00	0.91 1.05	0.92 1.05	460.35 461.90	Grit. Grit with C streak		
461.90	465.00	3.10	3.10	100.00	2.35 0.75	2.35 0.75	464.25 465.00	Grit with shal bands. SST. Cgd.		
465.00	468.10	3.10	3.09	99.67	0.38 2.71	0.38 2.72	465.38 468.10	-do- Grit.		
468.10	470.10	2.00	1.96	98.00	1.96 0.75	2.00 0.75	470.10 470.35	Grit with quartz pebble. SST. Cgd.		
470.10	471.15	1.05	1.05	100.00	0.30 1.32	0.30 1.38	471.15 472.53	Fgd with Sh. bands SST. Fgd with Sh. bands.		
471.10	473.15	2.00	1.91	95.50	0.59 0.55	0.69 0.55	473.15 473.70	SST. Mgd. Sh. aren.		
473.15	474.30	1.15	1.15	100.00	0.60 0.23	0.60 0.23	474.30 474.53	Sh. with Coal bands. Sh. aren.		
473.30	477.40	3.10	3.02	97.42	0.54 0.52	0.56 0.54	475.09 475.63	SST & Sh Intercalated. Sh. aren.		
					0.09 0.66	0.09 0.68	475.72 476.40	CSh. C O A L.		
					0.59 0.17	0.59 0.17	476.99 477.16	SST. argill. Sh.		
					0.24	0.24	477.40	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
477.40	480.40	3.00	2.98	99.33	2.23	2.25	479.65	C O A L.	XIV	Br, VFr.
					0.75	0.75	480.40	Sh with C. bands.		
480.40	482.60	2.20	2.05	93.18	1.87	0.93	481.33	Sst. argil.		
					1.04	1.12	482.45	SST. & Sh. Intercalated.		
					0.14	0.15	482.60	Sst. Mgd.		
482.60	485.65	3.05	3.00	98.36	0.77	0.78	483.38	-do-		Fr.
					0.66	0.67	484.05	SST. Cgd.		
					1.35	1.37	485.42	Sst. Fgd.		
					0.22	0.23	485.65	Sst. Cgd.		
485.65	488.45	2.80	2.77	98.92	0.05	0.05	485.70	-do-		
					1.03	1.05	486.75	Sst. Mgd.		
					0.48	0.48	487.23	Sst. Cgd with Quartz pebble.		
					0.67	0.68	487.91	Sst. Mgd.		Fr.
					0.54	0.54	488.45	Grit with Quartz pebble.		
488.45	491.20	2.75	2.74	99.63	2.32	2.33	490.78	-do-		
					0.42	0.42	491.20	SST. Cgd.		
491.20	492.45	1.25	1.22	97.50	0.46	0.47	491.67	Sst. Mgd to Cgd.		
					0.05	0.05	491.72	Sh. aren.		
					0.63	0.65	492.37	SST. Cgd.		
					0.08	0.08	492.45	Grit.		
492.45	495.50	3.05	3.05	100.00	0.30	0.30	492.75	-do-		
					0.14	0.14	492.89	Sh. aren.		

1	2	3	4	5	6	7	8	9	10	11
495.50	498.55	3.05	3.05	100.00	0.81	0.31	496.31	SST. Cgd with Sh Laminae.		
					0.20	0.20	496.51	SST. Fgd.	Local	
					0.45	0.45	496.95	C O A L.		Br.
					0.75	0.75	497.71	Sh. with C streaks.		
					0.58	0.58	498.29	SST. argil.		
					0.26	0.26	498.55	Sst. Fgd.		
498.55	499.65	1.10	1.06	96.36	0.12	0.13	498.68	Sh. aren.		
					0.94	0.97	499.65	SST. Fgd.		
499.65	501.70	2.05	1.98	96.58	0.15	0.15	499.80	SST. Mgd.		
					0.05	0.05	499.85	SST. Fgd.		
					1.28	1.33	501.10	Sst. Cgd.		
					0.16	0.17	501.35	SST. argil.		
					0.24	0.25	501.60	SST. Mgd.		
					0.10	0.10	501.70	Sh. aren.		
501.70	504.80	3.10	3.10	100.00	0.47	0.47	502.17	Sh. with aren bands.		
					0.29	0.29	502.46	SST. Mgd.		
					0.69	0.69	503.15	Sh. with aren bands.		
					1.65	1.65	504.30	SST. Mgd.		
504.80	507.90	3.10	3.09	99.67	1.36	1.36	506.16	-do-		
					1.73	1.74	507.90	SST. Cgd.		
507.90	511.00	3.10	2.98	96.13	0.31	0.33	508.23	-do-		
					0.71	0.74	508.97	SST. Fgd.		
					0.21	0.22	509.19	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
517.25	518.25	1.00	0.97	97.00	0.26	0.27	517.52	Sh. aren.		
514.05	514.40	0.35	0.35	100.00	0.35	0.35	514.40	SST. argil.		
514.65	514.65	0.25	0.23	92.00	0.08	0.09	514.49	Sh.		
514.65	515.55	0.90	0.90	100.00	0.40	0.40	515.05	-do-		
515.55	517.25	1.70	1.70	100.00	0.11	0.11	515.66	SST. & Sh. Intercalated.		
					0.07	0.07	515.73	-do-		
					0.17	0.17	515.90	SST. argil.		
					0.10	0.10	516.00	SST. & Sh. Intercalated.		
					0.62	0.62	516.62	Sh. aren.		
					0.63	0.63	517.25	SST. Fgd. with Sh. laminae.		
								SST. & Sh. Intercalated.		
511.00	511.90	0.90	0.79	87.77	0.21	0.24	511.24	-do-		
					0.46	0.52	511.76	SST. & Sh. Intercalated.		
					0.12	0.14	511.90	Sh. aren.		
511.90	514.05	2.15	2.13	99.06	1.30	1.31	513.21	SST. & Sh. Intercalated.		
					0.24	0.24	513.45	SST. Mgd.		
					0.59	0.60	514.05	SST. & Sh. Intercalated.		
								SST. argil.		
								Sh.		
								SST. & Sh. Intercalated.		
								-do-		
								SST. Fgd.		
								SST. & Sh. Intercalated.		
								-do-		
								SST. argil.		
								SST. & Sh. Intercalated.		
								Sh. aren.		
								SST. Fgd. with Sh. laminae.		
								SST. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
518.25	523.55	5.30	3.85	72.64	0.17	0.18	518.25	SST. & Sh. Intercalated.		
					0.11	0.15	518.40	SST. Fgd.		
					0.19	0.26	518.66	Sh. aren.		
					0.32	0.44	519.10	SST. & Sh. Intercalated.		
					0.13	0.18	519.28	SST. Fgd.		
					1.03	1.42	520.70	SST. & Sh. Intercalated.		
					0.37	0.51	521.21	SST. Fgd.		
					0.22	0.30	521.51	SST. Mgd.		
					0.15	0.21	521.72	Sh. aren.		
					0.27	0.37	522.09	SST. & Sh. Intercalated.		
					0.30	0.41	522.50	SST. Mgd.		
					0.76	1.05	523.55	SST. & Sh. Intercalated.		
523.55	526.00	2.45	2.45	100.00	0.76	0.76	524.31	-d-		
					1.40	1.40	525.71	Sh.		
					0.29	0.29	526.00	Sh. with aren. bands.		
					0.40	0.41	526.41	SST. & Sh. Intercalated.		
526.00	529.10	3.10	3.03	97.74	0.28	0.29	526.70	SST. Fgd.		
					0.08	0.08	526.72	Sh.		
					0.71	0.73	527.51	SST. & Sh. Intercalated.		
					0.25	0.26	527.77	Sh.		
					0.77	0.79	528.56	SST. Fgd. with Sh. lamine.		
					0.23	0.23	528.79	SST. & Sh. Intercalated.		
					0.23	0.23	529.02	SST. Fgd.		
					0.08	0.08	529.10	Sh.		

Fr.

Fr. Sl.

1	2	3	4	5	6	7	8	9	10	11
529.10	529.55	0.45	0.43	95.55	0.05	0.05	529.15	Sh. aren.		
					0.25	0.27	529.42	SST. Fgd.		
529.55	531.20	1.65	1.64	99.39	0.13	0.13	529.55	SST. & Sh. Intercalated.		
531.20	532.20	1.00	0.45	45.00	0.27	0.60	531.20	SST. & Sh. Intercalated		
					0.18	0.40	531.80	Sh. Aren		Br.
							532.20	C O A L		Br.
532.20	533.40	1.20	1.20	100.00	0.07	0.07	532.27	C O A L		
					0.20	0.20	532.47	Sh. with C - bands		
					0.33	0.33	532.80	C O A L		Br.
					0.11	0.11	532.91	Sh.		
					0.12	0.12	533.03	COAL		
					0.07	0.07	533.10	Sh.		
					0.30	0.30	533.40	C O A L		Br.
533.40	535.10	1.70	1.70	100.00	1.70	1.70	535.10	C O A L		Br.
535.10	537.20	2.10	1.79	85.23	0.38	0.45	535.55	C O A L		Br.
					0.46	0.54	536.09	Sh. with C - Streaks		
					0.69	0.81	536.90	Sh. Aren.		
					0.26	0.30	537.20	SST. & Sh. Intercalated		
537.20	538.40	1.20	1.13	94.16	0.49	0.52	537.72	SST. & Sh. Intercalated		
					0.14	0.15	537.87	Sh.		Br.
					0.15	0.76	538.03	SST. Argill.		

XIII

1	2	3	4	5	6	7	8	9	10	11
538.40	541.25	2.85	2.82	98.94	0.18	0.19	538.22	Sh.		Br., Sl.
					0.17	0.18	538.40	O O A I		
					0.09	0.09	538.49	O O A I		
541.25	541.80	0.55	0.55	100.00	1.51	1.53	540.02	SST. & Sh. Intercalated		
					1.22	1.23	541.25	Sh. with C - Streak		
541.80	542.85	1.05	1.05	100.00	0.55	0.55	541.80	SST. & Sh. Intercalated		
					0.34	0.34	542.14	Sh.		
542.85	544.45	1.60	1.60	100.00	0.71	0.71	542.85	SST. & Sh. Intercalated		
					0.16	0.16	543.01	Sh.		
					0.16	0.16	543.17	M.F.		
					0.03	0.03	543.20	Sh. baked		
					0.01	0.01	543.21	M.F.		
544.45	545.65	1.20	1.15	95.83	1.24	1.24	544.45	SST. Mgd. with Sh. lamineae		
					0.70	0.73	545.18	SST. Mgd.		
					0.38	0.40	545.58	Sh. liven.		
					0.07	0.07	545.65	SST. April.		
545.65	547.05	1.40	1.40	100.00	1.40	1.40	547.05	SST. & Sh. Intercalated		
547.05	548.85	1.80	1.76	97.77	0.11	0.11	547.16	SST. Mgd.		
					0.48	0.49	547.65	SST. & Sh. Intercalated		
					0.57	0.58	548.23	SST. Mgd.		
					0.60	0.62	548.85	SST. & Sh. Intercalated		

BORE HOLE NO. MB - 3.

II/871

1	2	3	4	5	6	7	8	9	10	11
548.85	550.10	1.25	1.24	99.2	0.10	0.10	548.95	Sh. Aren.		
					0.19	0.19	549.14	COAL		
					0.20	0.20	549.34	Sh. Aren.		
					0.75	0.76	550.10	SST. & Sh. Intercalated		
550.10	550.90	0.80	0.79	98.75	0.17	0.17	550.27	SST. Red.		
					0.62	0.63	550.90	SST. & Sh. Intercalated		
550.90	553.10	2.20	1.93	87.72	0.50	0.57	551.47	SST. Argil.		Fr.
					1.43	1.63	553.10	Jh. + M.P.		
553.10	555.10	2.00	2.00	100.00	1.07	1.07	554.17	Jh. + M.P.		
					0.41	0.41	554.58	M.P.		
					0.52	0.52	555.10	Jh. + M.P.		
555.10	556.15	1.05	1.02	97.14	1.02	1.05	556.15	Jh. + M.P.		
556.15	558.15	2.00	1.40	70.00	0.39	0.51	556.66	Jh. + M.P.		
					0.22	0.49	557.15	Sh. baked		
					0.79	1.00	558.15	Jh. + M.P.		
558.15	559.15	1.00	0.70	70.00	0.22	0.31	558.46	Sh. Baked.		
					0.12	0.17	558.63	M.P.		
					0.18	0.26	558.89	Sh. baked		
					0.18	0.26	559.15	SST. Argil.		
559.15	559.50	0.35	0.35	100.00	0.35	0.35	559.50	SST. Argil.		
559.50	560.50	1.00	1.10	84.12	0.41	0.41				

XI/XII

Br.

1	2	3	4	5	6	7	8	9	10	11
560.90	562.25	1.35	1.22	90.37	0.47	0.52	561.42	Sh. Argil.		Sl., Ps.
					0.75	0.83	562.25	SST. Argil.		
562.25	563.80	1.55	1.55	100.00	0.54	0.54	562.79	SST. Argil.		
					1.01	1.01	563.80	SST. Med.		
563.80	565.70	1.90	1.90	100.00	1.90	1.90	565.70	SST. Med. to Cgd.		
565.70	568.75	3.05	3.00	98.36	3.00	3.05	568.75	SST. Cgd. to Grit.		
568.75	571.80	3.05	3.05	100.00	2.03	2.03	570.78	Grit.		
					1.02	1.02	571.80	SST. Cgd.		
571.80	574.50	2.70	2.70	100.00	2.70	2.70	574.50	SST. Cgd. with quartz pebble		
574.50	577.60	3.10	3.05	98.38	3.05	3.10	577.60	-do-		
577.60	578.10	0.50	0.50	100.00	0.50	0.50	578.10	-do-		
578.10	581.15	3.05	3.04	99.67	3.04	3.05	581.15	SST. Cgd.		
581.15	583.15	2.00	2.00	100.00	2.00	2.00	583.15	SST. Cgd.		
583.15	586.50	3.35	3.35	100.00	2.31	2.31	585.46	Grit with pebbles.		
					1.04	1.04	586.50	SST. Argil.		
586.50	587.00	0.50	0.50	100.00	0.50	0.50	587.00	SST. Argil.		
587.00	589.80	2.80	2.79	99.64	1.41	1.42	588.42	SST. Argil.		
					0.77	0.77	589.19	SST. & Sh. Intercalated		
					0.39	0.39	589.58	Sh. with C - bands		
					0.22	0.22	589.80	Sh.		
589.80	590.50	0.70	0.68	97.14	0.43	0.44	590.24	Sh.		
					0.25	0.26	590.50	SST. & Sh. Intercalated		

BORE HOLE NO. MB - 3.

1	2	3	4	5	6	7	8	9	10	11
590.50	592.30	1.80	1.80	100.00	0.95	0.95	591.45	SST. & Sn. Intercalated		
					0.85	0.85	592.30	Sn. with C - bands		
592.30	593.10	0.80	0.75	53.75	0.75	0.80	593.10	Sn. with C - bands		
593.10	594.05	0.95	0.95	100.00	0.42	0.42	593.52	Sn. with C - bands		
					0.40	0.40	593.92	SST. Argil.		
					0.13	0.13	594.05	Sl.		Sl.
594.05	595.05	1.00	0.77	77.00	0.34	0.44	594.49	Sn.		
					0.24	0.31	594.80	COL. with Sn. Lamineae		
					0.19	0.25	595.05	Sn. with C - streak		
595.05	596.55	1.50	1.45	96.66	0.49	0.51	595.56	Sn. with C - streak		
					0.43	0.44	596.00	COL. with Sn. Lamineae		
					0.53	0.55	596.55	SST. & Sn. Intercalated		
596.55	598.05	1.50	1.48	98.66	0.36	0.37	596.92	SST. & Sn. Intercalated		
					1.12	1.13	598.05	Sn. Aren.		
598.05	599.80	1.75	1.75	100.00	1.75	1.75	599.80	Sn.		Fr.
599.80	601.60	1.80	1.80	100.00	1.80	1.80	601.60	Sn.		
601.60	603.00	1.40	1.37	97.86	0.47	0.48	602.08	Sn.		Fr., Br.
					0.25	0.26	602.34	C O AL		Br.
					0.65	0.66	603.00	Csh. with C - bands		Br., Fr.
603.00	606.00	3.00	2.95	98.33	0.07	0.07	603.07	C O AL		
					0.53	0.54	603.61	Csh.		Br.

1	2	3	4	5	6	7	8	9	10	11
606.00	608.95	2.95	2.84	96.27	2.84	2.95	608.95	C O A L		Br.
608.95	610.45	1.50	1.38	92.00	1.38	1.50	610.45	C O A L		
610.45	611.45	1.00	0.75	75.00	0.75	1.00	611.45	C O A L	VIII C / IX / X	Br., Sl.
611.45	611.95	0.50	0.50	100.00	0.40	0.40	611.85	C O A L		Br.
611.95	614.20	2.25	2.19	97.33	0.10	0.10	611.95	SST. Fgd. with Sn. band		
					0.60	0.62	612.57	Sn. with Aren. bands		
614.20	616.50	2.30	2.25	97.83	0.70	0.72	613.29	SST. Fgd. with Sn. laminae		
					0.89	0.91	614.20	SST. & Sn. Intercalated		Fr.
					0.30	0.31	614.51	SST. & Sn. Intercalated		
616.50	618.00	1.50	1.50	100.00	1.95	1.99	616.50	SST. Fgd.		Fr.
618.00	618.75	0.75	0.75	100.00	1.50	1.50	618.00	SST. Fgd.		Fr., V. Fr., Br.
					0.21	0.21	618.21	SST. Fgd.		
					0.54	0.54	618.75	SST. & Sn. Intercalated		Fr., Br., Sl.
618.75	620.00	1.25	1.03	82.4	0.77	0.94	619.69	SST. & Sn. Intercalated with Coal laminae		Fr.
					0.06	0.07	619.76	Sn. baked		
					0.06	0.07	619.83	M.P.		
					0.14	0.17	620.00	Sn. baked	VIII B	
620.00	621.05	1.05	1.04	99.05	1.04	1.05	621.05	C O A L		Fr., Br.
621.05	624.05	3.00	2.69	89.66	0.42	0.47	621.52	C O A L		
					0.42	0.47	621.99	Sn.		
					0.16	0.18	622.17	C O A L		

1	2	3	4	5	6	7	8	9	10	11
624.05	626.10	2.05	2.05	100.00	1.14	1.14	625.19	SST. & Sh. Intercalated		
					0.21	0.23	624.05	SST. & Sh. Intercalated		
					0.15	0.17	623.82	SST. Fgd.		
					1.33	1.48	623.65	Sh. with Aren. bands		
626.10	627.30	1.20	1.19	99.16	1.19	1.20	627.30	SST. Cgd.		Fr.
627.30	628.55	1.25	1.25	100.00	0.65	0.65	627.95	SST. Cgd. to Grit.		V.fr., Fr.
					0.60	0.60	628.55	SST. & Sh. Intercalated		Fr., S.
628.55	629.55	1.00	1.00	100.00	1.00	1.00	629.55	Grit.		
629.55	630.35	0.80	0.80	100.00	0.80	0.80	630.35	Grit.		Fr.
630.35	633.45	3.10	3.05	98.39	3.05	3.10	633.45	Grit.		
633.45	634.70	1.25	1.25	100.00	1.25	1.25	634.70	Grit.		
634.70	636.65	1.95	1.92	98.46	1.92	1.95	636.65	Grit.		
636.65	639.70	3.05	3.05	100.00	1.63	1.63	638.28	Grit.		
					0.11	0.11	638.39	SST. & Sh. Intercalated		
					0.72	0.72	639.11	SST. Mgd.		
					0.59	0.59	639.70	Grit.		
639.70	642.80	3.10	3.10	100.00	0.55	0.55	640.25	Grit.		
					1.90	1.90	642.15	SST. & Sh. Intercalated		
642.80	645.90	3.10	3.10	100.00	0.65	0.65	642.80	SST. Cgd.		
					1.30	1.30	644.10	SST. Cgd. to Grit.		VIII A

1	2	3	4	5	6	7	8	9	10	11
645.90	649.00	3.10	3.10	100.00	0.54	0.54	644.64	Sc.		
649.00	651.25	2.25	2.08	92.44	0.52	0.52	645.16	0 0 A.L		
					0.32	0.32	645.48	Cash.		
					0.42	0.42	645.90	0 0 A.L		
					3.05	3.10	649.00	0 0 A.L		
					0.18	0.20	649.20	0 0 A.L		
					0.32	0.35	649.55	Cash.		
					0.71	0.77	650.32	Sn.		
					0.66	0.71	651.03	SST. & Sn. Intercalated		
					0.21	0.22	651.25	SST. Fgd.		
651.25	652.40	1.15	1.15	100.00	1.15	1.15	652.40	SST. Fgd.		
652.40	655.50	3.10	3.10	100.00	1.74	1.74	654.14	SST. Mgd.		
					1.36	1.36	655.50	SST. Cgd.		
655.50	658.55	3.05	3.03	99.34	2.86	2.88	658.38	SST. Cgd.		
					0.17	0.17	658.55	Sn. Arren.		
658.55	660.30	1.75	1.75	100.00	0.22	0.22	658.77	Sn. Arren.		
					1.53	1.53	660.30	SST. & Sn. Intercalated		Br.
660.30	661.55	1.25	1.23	98.4	1.23	1.25	661.55	SST. & Sn. Intercalated		Br.
661.55	664.65	3.10	3.10	100.00	1.70	1.70	663.25	SST. & Sn. Intercalated		Br., Fr.
					1.40	1.40	664.65	Sn. Arren.		Br., Sl.
664.65	665.60	0.95	0.95	100.00	0.95	0.95	665.60	Sn. Arren.		Fr.

VIII A

BORE HOLE NO. MB - 3.

1	2	3	4	5	6	7	8	9	10	11
665.60	666.25	0.65	0.65	100.00	0.65	0.65	666.25	Sh. Aren.		
666.25	667.05	0.80	0.77	96.25	0.05	0.05	666.30	Sh. Aren.		
					0.13	0.14	666.44	C O A L		
					0.38	0.39	666.83	Sh. Aren.		
					0.21	0.22	667.05	C O A L		
667.05	668.40	1.35	1.35	100.00	0.58	0.58	667.63	SST. Argil.		
					0.77	0.77	668.40	SST. Med. with Sh. bands		
668.40	670.20	1.80	1.80	100.00	1.42	1.42	669.82	SST. Cgd.		
					0.06	0.06	669.88	C O A L		
					0.08	0.08	669.96	Csh.		
					0.24	0.24	670.20	C O A L		
670.20	672.30	2.10	2.00	95.24	2.00	2.10	672.30	C O A L		
672.30	672.90	0.60	0.20	33.33	0.20	0.60	672.90	Sh. Aren.		
672.90	673.50	0.60	0.58	96.66	0.22	0.23	673.13	Sh. Aren.		
					0.36	0.37	673.50	SST. Fgd.		
673.50	675.90	2.40	2.39	99.58	0.26	0.26	673.76	SST. & Sh. Intercalated		
					1.26	1.27	675.03	Grit. with Sh. laminae		
					0.75	0.75	675.78	C O A L		
					0.12	0.12	675.90	Sh.		
675.90	676.90	1.00	0.85	85.00	0.85	1.00	676.90	C O A L		
676.90	678.10	1.20	0.90	75.00	0.46	0.61	677.51	Sc.		

VIII

Fr., Sl.

Br.

Br.

Sl., Ps.

Sl., Ps.

Br.

V/VI/VII

Br.

V, Fr., Fr., Br.

1	2	3	4	5	6	7	8	9	10	11
678.10	679.45	1.35	1.32	97.77	0.14	0.14	678.24	Sh.		
					0.20	0.20	678.44	Sc.		Br., Fr.
					0.77	0.79	674.23	0 0 A L		
					0.21	0.22	679.45	Sh.		Fr.
679.45	681.60	2.15	2.07	96.28	0.08	0.08	679.53	Sh.		
					0.13	0.13	679.66	Sc.		
					1.55	1.60	681.27	0 0 A L		
					0.17	0.18	681.45	Sh.		Br.
					0.14	0.15	681.60	0 0 A L		
681.60	683.60	2.00	1.71	85.5	0.33	0.33	681.98	0 0 A L		Br., Fr., Sl.
					0.33	0.39	682.37	Sh. with C - bands		Br., Sl., Ps.
					0.38	0.44	682.81	0 0 A L		
					0.33	0.39	683.20	Sc.		Fr.
					0.34	0.40	683.60	0 0 A L		Fr.
683.60	684.60	1.00	1.00	100.00	0.05	0.05	683.65	Sc.		
					0.95	0.95	684.60	0 0 A L		Br.
684.60	687.60	3.00	3.00	100.00	3.00	3.00	687.60	0 0 A L		Br.
687.60	689.10	1.50	1.46	97.33	0.11	0.11	687.71	Sh.		
					0.73	0.75	688.46	0 0 A L		Br.
					0.13	0.14	688.60	Sh.		
					0.49	0.50	689.10	0 0 A L		

V/VII/VIII

BORE HOLE NO. MB - 3.

1	2	3	4	5	6	7	8	9	10	11
689.10	690.85	1.75	1.73	98.86	0.33	0.33	689.43	C O A L		
					0.21	0.21	689.64	Csh.		
					0.65	0.67	690.31	C O A L		
					0.24	0.24	690.55	Sc.		
					0.30	0.30	690.85	Sh.		
690.85	691.40	0.55	0.55	100.00	0.27	0.27	691.12	Sh. with C - streak		SL, Ps., Fr.
					0.28	0.28	691.40	C O A L		Br., Fr.
691.40	692.30	0.90	0.90	100.00	0.90	0.90	692.30	C O A L		Br., Fr., SL, Ps.
692.30	693.70	1.40	1.33	95.00	0.36	0.33	692.68	Sh. with C - streak		
					0.17	0.16	692.86	Sh.		
					0.19	0.20	693.06	Sc.		
					0.30	0.32	693.33	Sh.		
					0.31	0.32	693.70	Csh.		
693.70	696.70	3.00	2.66	03.66	1.08	1.22	694.92	C O A L		Br., Fr.
					0.16	0.19	695.11	Sh.		Br., Fr.
					0.58	0.65	695.76	Sc.		Fr., SL.
					0.66	0.75	696.51	C O A L		Fr.
					0.10	0.11	696.62	Sh.		
					0.08	0.08	696.70	Sc.		
696.70	698.00	1.30	1.18	90.77	1.18	1.30	698.00	C O A L		Br.
698.00	699.50	1.50	1.47	98.00	1.47	1.50	699.50	C O A L		Br., SL.

V/VI/VII

1	2	3	4	5	6	7	8	9		10	11
699.50	702.30	2.80	2.68	95.71	2.22	2.32	701.32	COAL			SL., Ps., Br.
					0.46	0.48	702.30	So.			
702.30	703.75	1.45	1.37	94.48	0.25	0.26	702.56	Gst. with C - streak			Fr., SL.
					0.15	0.16	702.72	Sn. Aren.			
					0.17	0.18	702.90	Sn. with C - streak			
					0.54	0.57	703.47	COAL			
					0.26	0.28	703.75	SST. Fed. with Sn. bands			
703.75	705.50	1.75	1.75	100.00	0.51	0.51	704.26	SST. & Sn. Intercalated			Fr., SL.
					1.24	1.24	705.50	Grit.			Fr.
705.50	707.00	1.50	1.43	95.33	1.43	1.50	707.00	Grit.			Fr.

BORE HOLE CLOSED AT 707.00 M. ON 3-10-1979.

V/VL/VII

DETAILS OF COAL SEAMS ENCOUNTERED
IN BOREHOLE NO. MB - 3.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

II/881

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
XVIII D	198.91	199.49	0.58	
XVIII C	216.60	218.02	1.42	
XVIII B	219.53	221.19	1.66	
XVIII A	225.48	227.35	1.87	
XVIII	239.16	241.02	1.86	
Local (L-9)	250.29	251.34	1.05	
Local (L-8)	280.19	280.70	0.51	
XVII A	307.84	311.06	3.22	
XVII	328.44	329.96	1.52	
Local (L-6)	350.27	351.15	0.88	
Local (L-5)	353.45	353.92	0.47	
XVI C	395.02	398.48	3.46	Jh. M.P.
	398.48	398.78	0.30	
XVI A/B	404.25	405.93	1.68	
XVI	418.12	418.66	0.54	
XV	451.13	455.27	4.14	C, Jh, M.P.
Local	475.72	476.40	0.68	
XIV	477.16	479.48	2.32	
Local	496.51	496.96	0.45	
XIII	531.97	535.55	3.58	
XI/XII	551.47	557.70	6.23	Jh, M.P.
VIII C/IX/X	603.61	611.85	8.24	
VIII B	620.00	621.31	1.31	
VIII A	644.10	649.00	4.90	
VIII	669.82	672.16	2.34	
V/VI/VII	675.03	703.47	28.44	

1	2	3	4	5	6	7	8	9	10	11
26.15	28.00	1.85	1.83	99.45	0.79	0.80	26.95	SST. & Sh. Intercalated		
					0.83	0.84	27.79	SST. Mgcl.		
					0.21	0.21	28.00	SST. & Sh. Intercalated		
28.00	29.00	1.00	0.94	94.00	0.94	1.00	29.00	SST. & Sh. Intercalated		
29.00	31.00	2.00	1.98	99.00	1.48	1.50	30.50	SST. & Sh. Intercalated		
					0.50	0.50	31.00	Sh. Aren.		
31.00	34.10	3.10	2.99	96.45	0.08	0.08	31.08	Sh. Aren.		
					0.56	0.58	31.66	SST. Argil.		
					0.52	0.54	32.20	SST. & Sh. Intercalated		
					0.57	0.59	32.79	SST. Mgcl.		
					1.26	1.31	34.10	SST. & Sh. Intercalated		
34.10	37.90	3.80	3.80	100.00	3.00	3.00	37.10	SST. & Sh. Intercalated		
					0.80	0.80	37.90	SST. Mgcl.		
37.90	41.00	3.10	3.02	97.41	0.25	0.25	38.15	SST. Argil.		
					0.36	0.37	38.52	SST. Mgcl.		
					0.78	0.80	39.32	Sh. Aren.		
					1.63	1.68	41.00	SST. & Sh. Intercalated		
41.00	43.85	2.85	2.80	98.24	2.80	2.85	43.85	SST. Mgcl.		
43.85	46.10	2.25	2.22	98.66	2.22	2.25	46.10	SST. & Sh. Intercalated		
46.10	47.15	1.05	1.05	100.00	1.05	1.05	47.15	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
					0.60	0.60	48.10	SST. Qcd.		Pr.
					2.10	2.10	50.20	SST. & St. Intercalated		
50.20	53.25	3.05	2.90	95.08	0.28	0.29	50.49	SST. & St. Intercalated		
					0.36	0.38	50.87	St. Int.		
					0.56	0.59	51.46	SST. & St. Intercalated		
					0.36	0.38	51.84	SST. Argil.		
					0.24	0.25	52.09	SST. & St. Intercalated		
					1.10	1.16	53.25	SST. Qcd.		
53.25	56.30	3.05	3.05	100.00	0.42	0.42	53.67	SST. Qcd.		
					0.06	0.06	53.73	SST. & St. Intercalated		
					2.57	2.57	56.30	SST. Qcd.		
56.30	59.30	3.00	2.92	97.33	0.08	0.08	56.38	SST. Qcd.		
					0.95	0.98	57.36	SST. Argil.		
					0.40	0.41	57.77	SST. & St. Intercalated		
					0.24	0.25	58.02	St. Int.		
					1.25	1.28	59.30	SST. Qcd.		
59.30	61.10	1.80	1.73	96.11	1.00	1.04	60.34	SST. Qcd.		
					0.73	0.76	61.10	St. Int.		
61.10	62.25	1.15	1.06	92.17	0.26	0.28	61.38	St. Int.		
					0.80	0.87	62.25	SST. & St. Intercalated		
62.25	64.40	2.15	2.12	98.60	2.12	2.15	64.40	SST. & St. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
64.40	65.10	0.70	0.68	97.14	0.48	0.49	64.89	SST. & Sh. Intercalated		
					0.20	0.21	65.10	SST. Mgcl.		
65.10	65.60	0.50	0.23	44.00	0.23	0.50	65.60	SST. Mgcl.		
65.60	67.60	2.00	1.40	70.00	0.57	0.75	66.35	SST. Mgcl.		
					0.83	1.25	67.60	SST. & Sh. Intercalated		
67.60	69.25	1.65	1.62	98.18	0.82	0.84	68.44	SST. Mgcl.		
					0.80	0.81	69.25	SST. & Sh. Intercalated		
69.25	71.40	2.15	2.15	100.00	0.15	0.15	69.40	SST. & Sh. Intercalated		
					0.53	0.63	70.03	SST. Mgcl.		
71.40	74.50	3.10	3.06	98.70	1.37	1.37	71.40	SST. & Sh. Intercalated		
					0.95	0.96	72.36	SST. & Sh. Intercalated		
					2.11	2.14	74.50	SST. Mgcl.		
74.50	77.60	3.10	3.04	98.06	2.32	2.37	76.87	SST. Mgcl.		
					0.61	0.62	77.49	SST. Mgcl.		
77.60	80.70	3.10	3.07	99.03	0.11	0.11	77.60	SST. Mgcl.		
					1.28	1.29	78.89	SST. Mgcl.		
					1.79	1.81	80.70	SST. & Sh. Intercalated		
80.70	83.80	3.10	3.03	97.74	3.03	3.10	83.80	SST. & Sh. Intercalated		
83.80	86.90	3.10	3.06	98.70	0.51	0.52	84.32	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
					0.11	0.11	84.85	SST. & Sh. Intercalated		
					0.12	0.12	84.97	C O A L		
					0.13	0.13	85.10	Sh. w/ th C - strept		
					0.28	0.28	85.38	SST. & Sh. Intercalated		
					1.50	1.52	86.90	SST. Mgcl. w/ th Sh. 1 grain se		
86.90	90.00	3.10	3.05	98.38	3.05	3.10	90.00	SST. & Sh. Intercalated		
90.00	93.10	3.10	3.10	100.00	2.52	2.52	92.52	SST. & Sh. Intercalated		
					0.58	0.58	93.10	SST. Qcd.		
93.10	94.80	1.70	1.68	98.82	1.68	1.70	94.80	SST. Qcd.		
94.80	96.25	1.45	1.34	92.41	1.12	1.21	96.01	SST. Qcd.		
					0.22	0.24	96.25	SST. & Sh. Intercalated		
96.25	99.35	3.10	3.03	97.74	0.63	0.64	96.89	SST. & Sh. Intercalated		
					2.40	2.46	99.35	SST. Mgcl.		
99.35	102.00	2.65	2.47	93.80	0.17	0.18	99.53	SST. Mgcl.		
					1.96	2.11	101.64	SST. & Sh. Intercalated		
					0.34	0.36	102.00	SST. Argill.		
102.00	105.10	3.10	3.02	97.41	2.59	2.66	104.66	SST. Argill.		
					0.43	0.44	105.10	Sh.		
105.10	108.15	3.05	2.99	98.03	0.72	0.73	105.83	Sh. Aren.		
					0.15	0.15	105.98	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
108.15	111.25	3.10	3.10	100.00	2.35	2.35	110.50	SST. & Sh. Intercalated		
					0.75	0.75	111.25	Sh. Aren.		
111.25	114.35	3.10	3.04	98.06	2.51	2.56	113.81	SST. & Sh. Intercalated		
					0.53	0.54	114.35	SST. Mgcl.		
114.35	114.70	0.35	0.35	100.00	0.35	0.35	114.70	SST. Mgcl.		
114.70	117.80	3.10	3.08	99.35	0.78	0.79	115.49	SST. & Sh. Intercalated		
					1.86	1.87	117.36	Mgcl. with St. Laminæ		
					0.44	0.44	117.80	SST. & Sh. Intercalated		
117.80	120.90	3.10	3.04	98.06	2.59	2.64	120.44	SST. & Sh. Intercalated		
					0.45	0.46	120.90	SST. Mgcl.		
120.90	124.00	3.10	3.06	98.70	3.06	3.10	124.00	SST. Cgd.		Fr.
124.00	127.10	3.10	3.09	99.67	0.14	0.14	124.14	SST. Cgd.		
					2.11	2.12	126.26	SST. & Sh. Intercalated		
					0.48	0.48	126.74	St. Laminæ		
					0.36	0.36	127.10	SST. & Sh. Intercalated		
127.10	130.10	3.00	3.00	100.00	3.00	3.00	130.10	SST. & Sh. Intercalated		
130.10	133.15	3.05	3.03	99.34	1.43	1.44	131.54	SST. & Sh. Intercalated		
					0.28	0.28	131.82	SST. Mgcl.		

1	2	3	4	5	6	7	8	9	10	11
133.15	136.20	3.05	3.02	99.01	1.48	1.49	134.64	SST. & Sh. Intercalated		
					0.72	0.73	135.37	SST. Cgd.		
136.20	139.30	3.10	3.10	100.00	0.82	0.83	136.20	SST. & Sh. Intercalated		
139.30	142.40	3.10	3.10	100.00	3.10	3.10	139.30	SST. & Sh. Intercalated		
					1.75	1.75	141.05	SST. & Sh. Intercalated		
142.40	145.45	3.05	2.97	97.37	1.35	1.35	142.40	Sh.		St., Fe.
					0.76	0.76	143.18	Sh.		St., Ps.
					0.62	0.64	143.82	SST. & Sh. Intercalated		
					0.27	0.28	144.10	SST. Mgd.		
145.45	148.50	3.05	3.05	100.00	1.32	1.35	145.45	SST. & Sh. Intercalated		
					2.45	2.45	147.90	SST. & Sh. Intercalated		
148.50	151.00	2.50	2.47	98.8	0.60	0.60	148.50	SST. Mgd.		
					1.60	1.62	150.12	SST. & Sh. Intercalated		St., Ps.
					0.87	0.88	151.00	SST. Mgd.		
151.00	154.05	3.05	2.79	91.47	2.79	3.05	154.05	SST. Mgd.		Pr.
154.05	156.65	2.60	2.60	100.00	2.60	2.60	156.65	SST. & Sh. Intercalated		
156.65	157.65	1.00	1.00	100.00	1.00	1.00	157.65	SST. & Sh. Intercalated		
157.65	160.75	3.10	3.10	100.00	3.10	3.10	160.75	SST. Mgd.		
160.75	163.40	2.65	2.56	96.60	1.56	1.61	162.36	SST. & Sh. Intercalated		
					0.52	0.54	162.90	SST. Mgd.		
					0.48	0.50	163.40	SST. & Sh. Intercalated		