

THE SHELL COMPANY OF AUSTRALIA LTD.

BOREHOLE LITHOLOGICAL DESCRIPTION

GRAY

GY 30

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HOLE TYPE	CORE
EASTING	599,400 M AM GRID
NORTHING	5,387,600 M AM GRID
ELEVATION	505.00 M
TOTAL DEPTH DRILLED	274.50 M
DRILLING STARTED	25/ 6/80
DRILLING TIME	
CORE SIZE	61.1 MM
HOLE SIZE	75.7 MM
LENGTH CASED	173.75 M
INITIAL WATER LEVEL	
WATER LEVEL AT GEOPHYSICAL LOGGING	
DRILLING FLUID	
DRILLING CONTRACTOR	
GEOPHYSICAL LOGGING CONTRACTOR	
LITHOLOGICAL DESCRIPTION BY	P.MURPHY
INFORMATION AVAILABLE :	SAMPLES TAKEN ANALYTICAL DATA LITHOLOGICAL DESCRIPTION
PETROPHYSICAL WIRELINE LOGS RUN :	

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
30.33	30.33			100% DOLERITE	SCREE, RED-BROWN, WEATHERED TO SOIL, COMPACT.
31.55	1.22	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, MODERATELY WEATHERED, WEAK ROCK.
34.60	3.05	100		100% CARBONACEOUS MUDSTONE	BLACK, HIGHLY WEATHERED, VERY WEAK ROCK.
34.80	0.20	100		100% MUDSTONE	GREY, HIGHLY WEATHERED, STIFF.
37.14	2.34	100		100% CARBONACEOUS MUDSTONE	BLACK, WEATHERED TO SOIL, SOFT.
38.28	1.14	100		100% MUDSTONE	GREY, WEATHERED TO SOIL, SOFT.
40.60	2.32	100		100% CARBONACEOUS MUDSTONE	COALY, BANDS, BLACK, HIGHLY WEATHERED, STIFF.
40.74	0.14	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, DARK GREY, SLIGHTLY WEATHERED, WEAK ROCK.
41.32	0.58	100		100% GRANULE CONGLOMERATE	DARK GREY, SLIGHTLY WEATHERED, MODERATELY WEAK ROCK.
41.40	0.08	100		100% MUDSTONE	GREY, WITH CALCITE ON FRACTURES, HIGHLY WEATHERED, STIFF.
41.72	0.32	0		CORE LOSS	
42.06	0.34	100		100% COAL	BLACK, HIGHLY WEATHERED, SOFT.
42.87	0.81	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, SLIGHTLY WEATHERED, FIRM.
43.29	0.42	100		100% MUDSTONE	GREY, SLIGHTLY WEATHERED, MODERATELY WEAK ROCK.
43.50	0.21	100		100% GRANULE CONGLOMERATE	GREY, UNWEATHERED, MODERATELY STRONG ROCK.
43.93	0.43	100		100% MUDSTONE	CARBONACEOUS, BANDS, DARK GREY, WITH CALCITE ON JOINTS, SLIGHTLY WEATHERED, WEAK ROCK.
45.20	1.27	100		100% MUDSTONE	GREY, SLIGHTLY WEATHERED, WEAK ROCK.
45.88	0.68	100		100% MUDSTONE	FINE GRAINED SANDSTONE, LENSES, DARK GREY, SLIGHTLY WEATHERED, WEAK ROCK, WITH BURROWING.
48.54	2.66	100		100% MUDSTONE	GREY, SLIGHTLY WEATHERED, WEAK ROCK.
49.78	1.24	100		100% MUDSTONE	DARK GREY, SLIGHTLY WEATHERED, WEAK ROCK.
55.87	6.09	100		100% SANDSTONE, FINE GRAINED	GREY, SLIGHTLY WEATHERED, MODERATELY WEAK ROCK, WITH CARBONACEOUS WISPS.
56.01	0.14	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH POOR SORTING.
57.38	1.37	100		100% MUDSTONE	GREY, SLIGHTLY WEATHERED, WEAK ROCK.
58.14	0.76	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, DARK BROWN, COMPLETELY WEATHERED, MODERATELY WEAK ROCK.
59.08	0.94	0		CORE LOSS	
59.50	0.42	100		100% MUDSTONE	BADLY BROKEN, GREY, HIGHLY WEATHERED, WEAK ROCK.
62.54	3.04	0		CORE LOSS	

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
64.54	2.00	100		50% CARBONACEOUS MUDSTONE 50% MUDSTONE	BLACK. GREY. UNWEATHERED, MODERATELY WEAK ROCK, THINLY BEDDED.
64.98	0.44	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, HIGHLY WEATHERED, VERY WEAK ROCK.
65.24	0.26	100		100% CARBONACEOUS MUDSTONE	BLACK, SLIGHTLY WEATHERED, MODERATELY WEAK ROCK.
68.73	3.49	100		100% MUDSTONE	COALY, TRACES, GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
69.06	0.33	100		100% MUDSTONE	LIGHT GREY, UNWEATHERED, MODERATELY WEAK ROCK.
69.50	0.44	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK.
69.60	0.10	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
70.41	0.31	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
72.23	1.82	100		50% SANDSTONE 50% SANDSTONE, FINE GRAINED	VERY FINE GRAINED, GREY. MEDIUM GRAINED, LENSES, LIGHT GREY. UNWEATHERED, MODERATELY STRONG ROCK, THICKLY LAMINATED, LAMINATED.
74.48	2.25	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
75.29	0.81	100		100% SANDSTONE	MED.-COARSE GRAINED, PEBBLY, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH POOR SORTING.
75.90	0.61	100		100% MUDSTONE	LIGHT GREY, UNWEATHERED, MODERATELY WEAK ROCK.
76.75	0.85	100		100% MUDSTONE	PEBBLY, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
78.50	1.75	100		100% MUDSTONE	FINE GRAINED SANDSTONE, BANDS, GREY, MODERATELY WEAK ROCK.
79.37	0.87	100		50% SANDSTONE, FINE GRAINED 50% SANDSTONE, FINE GRAINED	LIGHT GREY. CARBONACEOUS, BLACK. STRONG ROCK, THICKLY LAMINATED.
79.50	0.13	100		100% PEBBLE CONGLOMERATE	LIGHT GREY, STRONG ROCK.
79.78	0.28	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, STRONG ROCK, LAMINATED, WITH PLANT REMAINS.
80.07	0.29	100		100% PEBBLE CONGLOMERATE	LIGHT GREY, STRONG ROCK.
80.49	0.42	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
80.78	0.29	100		100% PEBBLE CONGLOMERATE	GREY, STRONG ROCK.
80.83	0.05	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, BANDS, BLACK, MODERATELY WEAK ROCK.
80.99	0.16	100		100% MUDSTONE	LIGHT GREY, WEAK ROCK.
81.18	0.19	100		50% COAL, HEAVY DULL 50% MUDSTONE	LIGHT BROWN. MODERATELY WEAK ROCK, VERY THINLY BEDDED.
81.36	0.18	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
81.43	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
81.81	0.38	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
82.46	0.65	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
82.51	0.05	100		100% MUDSTONE	BUFF, WEAK ROCK.
83.68	1.17	100		100% MUDSTONE	FINE GRAINED SANDSTONE, TRACES, GREY, MODERATELY WEAK ROCK.
83.71	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
83.82	0.11	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
83.85	0.03	100		100% MUDSTONE	BUFF, WEAK ROCK.
84.30	0.45	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
84.35	0.05	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, WEAK ROCK.
84.40	0.05	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
84.47	0.07	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
84.73	0.26	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
85.82	1.09	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
86.18	0.36	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
87.32	1.14	100		50% MUDSTONE 50% MUDSTONE	DARK GREY. FINE GRAINED SANDSTONE, LENSES, GREY. MODERATELY WEAK ROCK.
87.71	0.39	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, LIGHT GREY, STRONG ROCK.
87.79	0.08	100		100% MUDSTONE	GREY, FIRM.
88.77	0.98	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, GREY, STRONG ROCK.
88.90	0.13	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
89.09	0.19	100		100% SANDSTONE, FINE GRAINED	GREY, WITH CALCITE ON FRACTURES, MODERATELY STRONG ROCK.
89.17	0.08	100		100% MUDSTONE	KAOLINITIC, DARK GREY, WEAK ROCK.
89.32	0.15	100		100% SANDSTONE	MED.-FINE GRAINED, GREY, MODERATELY WEAK ROCK.
89.36	0.04	100		100% SANDSTONE, FINE GRAINED	GREY, MODERATELY WEAK ROCK.
89.38	0.02	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
89.47	0.09	100		100% MUDSTONE	GREY-BROWN, MODERATELY WEAK ROCK, WITH BURROWING.
89.65	0.18	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
89.86	0.21	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK.
90.41	0.55	100		100% SANDSTONE, FINE GRAINED	DARK GREY, STRONG ROCK.
90.66	0.25	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
91.50	0.84	100		100% SANDSTONE, FINE GRAINED	DARK GREY, WITH CALCITE ON FRACTURES, STRONG ROCK.
92.53	1.06	100		100% MUDSTONE	GREY-GREEN, MODERATELY WEAK ROCK.
92.91	0.35	100		100% SANDSTONE, FINE GRAINED	DARK GREY, STRONG ROCK.
93.02	0.11	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
94.65	1.63	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
94.76	0.11	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK, WITH CARBONACEOUS WISPS, WITH SAND LINEATION.
94.87	0.11	100		100% GRANULE CONGLOMERATE	GREEN, STRONG ROCK.
94.88	0.01	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
94.90	0.02	100		100% MUDSTONE	GREY-GREEN, MODERATELY WEAK ROCK.
95.06	0.16	100		100% COAL, HEAVY DULL	MUDSTONE, TRACES.
95.28	0.22	100		100% MUDSTONE	KAOLINITIC, CREAM, WEAK ROCK.
95.32	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
95.33	0.01	100		100% MUDSTONE	KAOLINITIC, CREAM, WEAK ROCK.
95.43	0.10	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
95.44	0.01	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
95.54	0.10	100		100% COAL, DULL	
95.56	0.02	100		100% COAL, BRIGHT	
95.67	0.11	100		100% COAL, DULL WITH FEW BRIGHT BANDS	MUDSTONE, LENSES.
95.75	0.08	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, MODERATELY STRONG ROCK.
95.95	0.20	100		100% MUDSTONE	KAOLINITIC, CREAM, WEAK ROCK.
96.09	0.14	100		100% COAL, DULL WITH FEW BRIGHT BANDS	MUDSTONE, LENSES.
96.10	0.01	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
96.17	0.07	100		100% COAL, DULL	MUDSTONE, LENSES.
96.21	0.04	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
96.26	0.05	100		100% COAL, DULL	
96.30	0.04	100		100% COAL, BRIGHT	
96.35	0.05	100		100% COAL, DULL	BRIGHT COAL, LENSES.
96.37	0.02	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
96.45	0.08	100		100% COAL, DULL	
96.54	0.09	100		100% MUDSTONE	LIGHT GREEN, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
96.58	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
96.67	0.09	100		100% MUDSTONE	LIGHT GREEN, MODERATELY WEAK ROCK.
96.72	0.05	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
96.73	0.01	100		100% MUDSTONE	LIGHT GREEN, MODERATELY WEAK ROCK.
96.87	0.14	100		100% COAL, DULL WITH FEW BRIGHT BANDS	MUDSTONE, LENSES.
96.89	0.02	100		100% MUDSTONE	LIGHT GREEN, MODERATELY WEAK ROCK.
96.93	0.04	100		100% COAL, DULL	MUDSTONE, LENSES.
96.96	0.03	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, STRONG ROCK.
97.02	0.06	100		100% SANDSTONE	MED.-FINE GRAINED, CREAM, STRONG ROCK, WITH CARBONACEOUS WISPS.
97.11	0.09	100		100% COAL, DULL WITH FEW BRIGHT BANDS	MODERATELY WEAK ROCK.
99.33	2.22	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK, WITH BURROWING.
101.56	2.23	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, STRONG ROCK.
103.50	1.94	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
103.73	0.23	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
106.25	2.52	100		100% SANDSTONE, MEDIUM GRAINED	CONGLOMERATIC, LIGHT GREY, STRONG ROCK.
106.49	0.24	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
106.66	0.17	100		100% MUDSTONE	KAOLINITIC, LIGHT GREEN, WEAK ROCK.
106.88	0.22	100		100% SANDSTONE, FINE GRAINED	BADLY BROKEN, GREY, MODERATELY STRONG ROCK.
108.03	1.15	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
110.47	2.44	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, GREY, MODERATELY STRONG ROCK, THICKLY LAMINATED.
111.75	1.28	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK, THINLY BEDDED.
112.12	0.37	100		85% SANDSTONE, FINE GRAINED 15% SANDSTONE	BADLY BROKEN, GREY. MED.-FINE GRAINED, LIGHT GREY. STRONG ROCK, VERY THINLY BEDDED.
112.14	0.02	100		100% COAL, HEAVY DULL	
112.15	0.01	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
112.23	0.08	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK, MODERATELY WEAK ROCK.
112.50	0.27	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, MODERATELY WEAK ROCK.
112.78	0.28	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
113.03	0.25	100		30% COAL, DULL WITH FEW BRIGHT BANDS 20% MUDSTONE	BADLY BROKEN. LIGHT GREY.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION *** CORE DESCRIPTION ***
113.10	0.07	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
113.26	0.16	100		100X COAL, DULL	BADLY BROKEN.
113.42	0.16	100		100X MUDSTONE	BADLY BROKEN, GREY, MODERATELY WEAK ROCK.
113.75	0.33	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
113.91	0.16	100		100X MUDSTONE	DARK GREY, MODERATELY WEAK ROCK, VERY CLOSELY SPACED JOINTS, WITH SLICKENSIDES, TIGHT, PLANAR, SMOOTH DISCONTINUITIES.
114.46	0.55	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
114.51	0.05	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
114.54	0.03	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
114.82	0.28	100		100X COAL, DULL	WITH GRANULAR CALCITE.
114.93	0.11	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
115.09	0.16	100		100X COAL, DULL	MUDSTONE, LENSES.
115.35	0.26	100		100X COAL, DULL	
115.37	0.02	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
115.47	0.10	100		80X COAL, DULL 20X MUDSTONE	PEBBLY, LIGHT GREY.
115.50	0.03	100		100X COAL, DULL	
115.77	0.27	100		100X MUDSTONE	PEBBLY, DARK GREY, MODERATELY WEAK ROCK.
116.10	0.33	100		100X MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
116.26	0.16	100		90X MUDSTONE 10X SAND	GREY. GRANULAR. WEAK ROCK.
116.42	0.16	100		80X COAL, DULL 20X MUDSTONE	PEBBLY, LIGHT GREY.
116.44	0.02	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
116.63	0.19	100		100X COAL, DULL	
116.67	0.04	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
116.80	0.13	100		100X COAL, DULL	MUDSTONE, LENSES, MODERATELY WEAK ROCK.
116.85	0.05	100		100X CARBONACEOUS MUDSTONE	GRADING TO, FINE GRAINED SANDSTONE, LIGHT GREY.
116.91	0.06	100		100X COAL, DULL	MUDSTONE, BANDS.
116.95	0.04	100		100X COAL, BRIGHT WITH FEW DULL BANDS	WITH CALCITE ON CLEAT.
117.02	0.07	100		100X COAL, DULL WITH NUMEROUS BRIGHT BANDS	
117.21	0.19	100		100X COAL, DULL	WITH CALCITE ON CLEAT.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
117.29	0.08	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
117.75	0.46	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	BADLY BROKEN.
118.40	0.65	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
118.74	0.34	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, LAMINATED.
118.86	0.12	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
119.08	0.22	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK, THINLY LAMINATED.
119.38	0.30	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
119.44	0.06	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
120.02	0.58	100		50% SANDSTONE 50% SANDSTONE, FINE GRAINED	VERY FINE GRAINED, LIGHT GREY. COALY, TRACES, GREY. STRONG ROCK, VERY THINLY BEDDED, WITH PLANT REMAINS.
122.91	2.89	100		100% SANDSTONE, MEDIUM GRAINED	BUFF, MODERATELY WEAK ROCK.
123.23	0.32	100		100% COAL, HEAVY DULL	MUDSTONE, BANDS.
125.47	2.24	100		100% SANDSTONE	VERY FINE GRAINED, CREAM, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
126.76	1.29	100		100% SANDSTONE	MED.-FINE GRAINED, CREAM, STRONG ROCK, WITH CARBONACEOUS WISPS.
128.12	1.36	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, STRONG ROCK, VERY THINLY BEDDED.
128.39	0.18	100		100% SANDSTONE, MEDIUM GRAINED	FINE GRAINED SANDSTONE, BANDS, LIGHT GREY, STRONG ROCK.
130.32	2.02	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK, VERY THINLY BEDDED.
131.49	1.17	100		50% SANDSTONE, FINE GRAINED 50% SANDSTONE	GREY. MED.-FINE GRAINED, LIGHT GREY. STRONG ROCK, VERY THINLY BEDDED, WITH DISTURBED BEDDING.
132.74	1.25	100		100% SANDSTONE, FINE GRAINED	GREY, STRONG ROCK.
133.01	0.27	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
134.39	1.38	100		60% SANDSTONE 40% SANDSTONE, MEDIUM GRAINED	MED.-FINE GRAINED, GREY. LIGHT GREY. STRONG ROCK, VERY THINLY BEDDED.
140.67	6.28	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK, WITH CARBONACEOUS WISPS.
140.95	0.28	100		50% SANDSTONE, MEDIUM GRAINED 50% SANDSTONE, FINE GRAINED	LIGHT GREY. LIGHT GREY. STRONG ROCK, THICKLY LAMINATED.
141.12	0.17	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
141.31	0.19	100		100% COBBLE CONGLOMERATE	GREY, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
141.56	0.25	100		100% SANDSTONE, MEDIUM GRAINED	DARK GREY, STRONG ROCK.
142.10	0.54	100		100% SANDSTONE	VERY FINE GRAINED, CREAM, MODERATELY STRONG ROCK.
142.36	0.26	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
144.65	2.29	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
144.73	0.08	100		100% MUDSTONE	CALCITIC, LIGHT GREY, MODERATELY WEAK ROCK.
144.76	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
144.81	0.05	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
144.92	0.11	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
147.63	2.71	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, BANDS, LIGHT GREY, STRONG ROCK.
147.73	0.10	100		100% MUDSTONE	LIGHT GREY, VERY WEAK ROCK.
147.84	0.11	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
147.89	0.05	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
148.05	0.16	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY WEAK ROCK.
148.31	0.26	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, WITH GRANULAR QUARTZ AND GRANULAR FELDSPAR, WEAK ROCK.
149.44	1.13	100		100% SANDSTONE, FINE GRAINED	PEBBLY, GREY-BROWN, MODERATELY STRONG ROCK.
149.65	0.21	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
149.97	0.32	100		100% SANDSTONE, FINE GRAINED	GREY, MODERATELY STRONG ROCK.
150.04	0.07	100		100% COAL, HEAVY DULL	
150.07	0.03	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
150.31	0.24	100		100% COAL, HEAVY DULL	
150.52	0.21	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
150.54	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
150.60	0.06	100		100% MUDSTONE	LIGHT BROWN.
151.03	0.43	100		100% COAL, DULL	
151.15	0.12	100		100% MUDSTONE	COALY, FRAGMENTS, LIGHT BROWN, MODERATELY WEAK ROCK.
151.18	0.03	100		90% COAL, DULL 10% MUDSTONE	PEBBLY, LIGHT BROWN.
151.22	0.04	100		100% MUDSTONE	PEBBLY, LIGHT BROWN, MODERATELY WEAK ROCK.
151.34	0.12	100		100% COAL, DULL	

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
					*** CORE DESCRIPTION ***
151.50	0.16	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	WITH CALCITE ON CLEAT.
151.53	0.03	100		100% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY, MODERATELY WEAK ROCK.
151.64	0.11	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
151.74	0.10	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
151.84	0.10	100		100% MUDSTONE	COALY, BANDS, DARK GREY, MODERATELY WEAK ROCK.
151.89	0.05	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, STRONG ROCK.
151.94	0.05	100		100% COAL, BRIGHT WITH FEW DULL BANDS	
152.13	0.19	100		100% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY, MODERATELY WEAK ROCK.
152.21	0.08	100		100% COAL, DULL	MUDSTONE, LENSES.
154.33	2.12	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, BANDS, LIGHT GREY, STRONG ROCK.
154.37	0.04	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
155.95	1.58	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
156.24	0.29	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
157.50	1.26	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK, WITH DISTURBED BEDDING.
157.62	0.12	100		100% MUDSTONE	BRECCIATED, LIGHT GREY, MODERATELY WEAK ROCK.
158.69	1.07	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
158.99	0.30	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
160.71	1.72	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, LIGHT GREY, STRONG ROCK.
161.37	0.66	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, STRONG ROCK.
166.22	4.85	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
166.31	0.09	100		95% SANDSTONE, MEDIUM GRAINED 5% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY. FRAGMENTS, GREY. STRONG ROCK.
170.10	3.79	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
170.49	0.39	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
170.58	0.09	100		95% CARBONACEOUS MUDSTONE 5% MUDSTONE	ARENACEOUS, BANDS, BLACK. PEBBLY, BROWN. MODERATELY WEAK ROCK.
170.70	0.12	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, BANDS, BLACK, MODERATELY WEAK ROCK.
170.76	0.06	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
170.83	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
170.87	0.04	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
170.91	0.04	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
171.02	0.11	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
171.10	0.08	100		100% MUDSTONE	PEBBLY, BANDS, DARK GREY, MODERATELY WEAK ROCK.
171.48	0.38	100		100% COAL, DULL WITH FEW BRIGHT BANDS	BADLY BROKEN.
171.68	0.20	0		CORE LOSS	
171.78	0.10	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
173.17	1.39	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
173.19	0.02	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
173.25	0.06	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
173.31	0.06	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
173.37	0.06	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
173.50	0.13	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
173.59	0.09	100		100% SANDSTONE, MEDIUM GRAINED	KAOLINITIC, LIGHT GREY, WEAK ROCK.
173.78	0.19	100		100% SANDSTONE	VERY FINE GRAINED, GREY, MODERATELY STRONG ROCK, LAMINATED.
174.14	0.36	100		90% SANDSTONE 10% SANDSTONE	VERY FINE GRAINED, GREY. MED.-FINE GRAINED, LIGHT GREY. MODERATELY STRONG ROCK, THICKLY LAMINATED, WITH DISTURBED BEDDING.
174.75	0.61	100		100% SANDSTONE, MEDIUM GRAINED	MUDSTONE, TRACES, LIGHT GREY, STRONG ROCK.
174.86	0.11	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, STRONG ROCK.
174.91	0.05	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
175.51	0.60	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, STRONG ROCK.
175.56	0.05	100		100% SANDSTONE	MED.-FINE GRAINED, DARK GREY, STRONG ROCK.
175.79	0.23	100		100% MUDSTONE	CARBONACEOUS, BANDS, LIGHT BROWN, MODERATELY WEAK ROCK.
175.85	0.06	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
176.30	0.45	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
176.38	0.08	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
176.50	0.12	100		100% SANDSTONE, FINE GRAINED	DARK GREY, STRONG ROCK.
176.59	0.09	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
176.84	0.25	100		100% MUDSTONE	GREY-BROWN, MODERATELY WEAK ROCK.
177.05	0.19	100		100% COAL, DULL	

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION *** CORE DESCRIPTION ***
177.04	0.01	100		100% SANDSTONE	VERY FINE GRAINED, CREAM, MODERATELY STRONG ROCK.
177.13	0.09	100		100% COAL, DULL	
177.21	0.08	100		95% SANDSTONE 5% MUDSTONE	VERY FINE GRAINED, DARK GREY. PEBBLY, LIGHT BROWN. MODERATELY WEAK ROCK.
177.25	0.04	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK.
177.42	0.17	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
177.43	0.01	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
177.50	0.07	100		100% COAL, HEAVY DULL	MUDSTONE, LENSES.
177.52	0.02	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
177.80	0.28	100		100% COAL, DULL	
177.81	0.01	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
177.83	0.02	100		100% COAL, DULL	
177.86	0.03	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN.
177.95	0.09	100		100% COAL, DULL	MUDSTONE, BANDS.
178.13	0.18	100		50% COAL, DULL 50% MUDSTONE	BROWN. THICKLY LAMINATED, WITH CONVOLUTED BEDDING.
178.28	0.15	100		100% COAL, HEAVY DULL	
178.35	0.07	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
178.40	0.05	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
178.51	0.11	100		100% COAL, DULL	
178.52	0.01	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK.
178.53	0.01	100		100% COAL, DULL	
178.57	0.04	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK.
178.60	0.03	100		100% COAL, DULL	WITH CALCITE ON FRACTURES.
178.64	0.04	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK.
178.69	0.05	100		100% COAL, DULL	
178.72	0.03	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
178.82	0.10	100		100% COAL, DULL	
178.85	0.03	100		100% MUDSTONE	LIGHT GREEN, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
178.87	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
178.98	0.11	100		100% COAL, DULL	

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
179.04	0.06	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
179.10	0.06	100		100% COAL, DULL	MUDSTONE, LENSES.
179.14	0.04	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
179.33	0.19	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
179.39	0.06	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
179.55	0.16	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
179.56	0.01	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
179.58	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
179.68	0.10	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
179.71	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
179.79	0.08	100		100% MUDSTONE	LIGHT GREY, WEAK ROCK.
179.83	0.04	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, BANDS, BLACK, MODERATELY WEAK ROCK.
179.88	0.05	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
180.04	0.16	100		100% COAL, DULL	
180.05	0.01	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
180.20	0.15	100		100% COAL, DULL	
180.36	0.16	100		100% MUDSTONE	LIGHT GREY, WEAK ROCK.
180.48	0.12	100		100% COAL, DULL	
180.52	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
180.53	0.01	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
180.62	0.09	100		100% COAL, DULL	
180.86	0.24	100		100% MUDSTONE	CARBONACEOUS, LENSES, LIGHT GREY, WEAK ROCK, WITH PLANT REMAINS.
180.93	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
181.01	0.08	100		100% COAL, DULL	
181.20	0.19	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
181.30	0.10	100		100% COAL, DULL	
181.34	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
181.37	0.03	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
181.40	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
181.51	0.11	100		100% COAL, HEAVY DULL	MUDSTONE, LENSES.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
181.55	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
181.61	0.06	100		100% COAL, HEAVY DULL	
181.62	0.01	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
181.65	0.03	100		100% COAL, DULL	
181.70	0.05	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
181.90	0.10	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
181.85	0.05	100		100% MUDSTONE	KAOLINITIC, LIGHT GREY, WEAK ROCK.
181.97	0.12	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
182.00	0.03	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
182.04	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
182.08	0.04	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
182.80	0.72	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
182.87	0.07	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
183.32	0.45	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
183.48	0.16	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
183.57	0.09	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
186.16	2.59	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, LIGHT GREY, STRONG ROCK, LAMINATED.
187.15	0.99	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, LAMINATED, WITH PLANT REMAINS.
188.75	1.60	100		50% SANDSTONE, FINE GRAINED 50% SANDSTONE	GREY. MED.-FINE GRAINED, LIGHT GREY. STRONG ROCK, THICKLY LAMINATED.
190.82	2.07	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
194.74	3.92	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
194.81	0.07	100		100% COAL, DULL	
194.86	0.05	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
195.21	0.35	100		100% COAL, DULL	MUDSTONE, BANDS.
195.47	0.26	100		100% MUDSTONE	COALY, BANDS, BROWN, MODERATELY WEAK ROCK.
195.53	0.06	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
195.59	0.06	100		100% COAL, DULL	
195.63	0.04	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
195.70	0.07	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
195.74	0.04	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
195.85	0.11	100		100X COAL, DULL	
196.06	0.21	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
196.13	0.07	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
196.23	0.10	100		100X MUDSTONE	LIGHT GREY, WEAK ROCK.
196.32	0.09	100		100X COAL, DULL	
197.11	0.79	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
197.21	0.10	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
197.90	0.69	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
198.16	0.26	100		100X COAL, DULL	
199.46	1.30	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
199.60	0.14	100		100X SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, MODERATELY STRONG ROCK.
199.74	0.14	100		100X SANDSTONE, FINE GRAINED	COALY, FRAGMENTS, LIGHT GREY, MODERATELY STRONG ROCK.
199.88	0.14	100		100X CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK, MODERATELY WEAK ROCK.
200.11	0.23	100		100X MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
200.27	0.16	100		100X CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK, MODERATELY WEAK ROCK.
200.35	0.08	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
200.63	0.28	100		100X COAL, HEAVY DULL	ARENACEOUS, LENSES.
200.70	0.07	100		100X SANDSTONE, MEDIUM GRAINED	COALY, BANDS, LIGHT GREY, STRONG ROCK.
200.90	0.20	100		50X CARBONACEOUS MUDSTONE 40X SANDSTONE, MEDIUM GRAINED 10X MUDSTONE	BLACK. LENSES, LIGHT GREY. BANDS, LIGHT GREY. MODERATELY WEAK ROCK.
210.02	9.12	100		100X SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
212.16	2.16	100		100X SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
212.65	0.47	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
212.70	0.05	100		100X SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
212.86	0.16	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
214.00	1.14	0		CORE LOSS	
214.16	0.16	100		100X MUDSTONE	BADLY BROKEN, LIGHT GREY, MODERATELY WEAK ROCK.
214.84	0.68	100		100X SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
					*** CORE DESCRIPTION ***
215.03	0.19	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT BROWN, VERY STRONG ROCK.
215.16	0.13	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
215.83	0.67	100		100% SANDSTONE, FINE GRAINED	COALY, FRAGMENTS, LIGHT GREY, VERY STRONG ROCK.
215.97	0.14	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, STRONG ROCK, WITH DISTURBED BEDDING, WITH BURROWING.
217.03	1.06	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
217.23	0.20	100		100% SANDSTONE, FINE GRAINED	COALY, FRAGMENTS, LIGHT BROWN, STRONG ROCK.
219.53	2.30	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
221.48	1.95	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
222.44	0.96	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, STRONG ROCK.
225.67	3.23	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
225.81	0.14	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
228.11	2.30	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
228.61	0.50	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
238.92	10.31	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
239.29	0.37	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
239.34	0.05	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
257.19	17.85	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
257.80	0.61	100		100% SANDSTONE, MEDIUM GRAINED	COALY, STREAKS, LIGHT GREY, VERY STRONG ROCK.
257.94	0.14	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, VERY STRONG ROCK.
258.81	0.87	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, VERY STRONG ROCK.
258.91	0.10	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
259.21	0.30	100		100% MUDSTONE	GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
259.28	0.07	100		100% CARBONACEOUS MUDSTONE	GRADING TO, HEAVY DULL COAL, BLACK, MODERATELY STRONG ROCK, VERY WIDELY SPACED JOINTS.
259.44	0.16	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, MODERATELY STRONG ROCK.
259.48	0.04	100		100% MUDSTONE	CARBONACEOUS, DARK GREY, MODERATELY STRONG ROCK.
260.11	0.63	100		90% MUDSTONE 10% SILTSTONE	COALY, STREAKS, GREY. DARK GREY. MODERATELY STRONG ROCK, WITH PLANT REMAINS.
260.14	0.03	100		100% CLAY	DARK GREY, VERY WEAK ROCK, VERY STICKY.
260.45	0.31	100		100% COAL, DULL	
260.50	0.05	100		100% COAL, DULL WITH FEW BRIGHT BANDS	

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
260.56	0.06	100		100X COAL, DULL	
260.61	0.05	100		100X MUDSTONE	GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
260.72	0.11	100		100X COAL, DULL	
261.06	0.34	100		100X MUDSTONE	GREY, WEAK ROCK, VERY STICKY.
261.39	0.33	100		100X COAL, DULL	
262.50	1.15	100		100X SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, LIGHT GREY, STRONG ROCK.
262.60	0.10	100		100X SILTSTONE	GREY, STRONG ROCK.
262.90	0.30	100		60X SILTSTONE 40X SANDSTONE, FINE GRAINED	FINE GRAINED SANDSTONE, STREAKS, BLACK. SILTSTONE, STREAKS, LIGHT GREY. VERY STRONG ROCK.
262.93	0.03	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY STRONG ROCK.
263.04	0.11	100		100X COAL, DULL	
263.92	0.88	100		100X MUDSTONE	GREY, STRONG ROCK, WITH PLANT REMAINS.
264.06	0.14	100		100X CARBONACEOUS MUDSTONE	DARK GREY, VERY WIDELY SPACED JOINTS.

TOP OF DALMAYNE D : 240.94 M R.L.

264.07	0.01		1	100X COAL, DULL	
264.08	0.01		1	100X TONSTEIN	
264.27	0.19		1	100X COAL, DULL WITH FEW BRIGHT BANDS	
264.44	0.17		1	100X COAL, DULL	
264.61	0.17		1	100X COAL, DULL WITH FEW BRIGHT BANDS	
264.67	0.06		1	100X COAL, DULL WITH NUMEROUS BRIGHT BANDS	
264.93	0.26		1	100X COAL, DULL	
264.97	0.04		1	100X COAL, INTERBANDED DULL AND BRIGHT	
265.31	0.34		1	100X COAL, HEAVY DULL	
265.37	0.06		1	100X COAL, DULL WITH FEW BRIGHT BANDS	
265.41	0.04		1	100X COAL, DULL	
265.45	0.04		1	100X COAL, HEAVY DULL	BRIGHT COAL, STREAKS, WITH PELLETS OF KAOLINITE.
265.53	0.08		1	100X COAL, DULL	
265.54	0.01		1	100X CARBONACEOUS MUDSTONE	BLACK.
265.56	0.02		1	100X CLAY	NON SLAKING, NON STICKY.
265.57	0.01		1	100X CARBONACEOUS MUDSTONE	BLACK, WITH MUD PELLETS.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
					*** CORE DESCRIPTION ***
265.67	0.10		1	100% COAL, DULL	
265.72	0.05		1	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	
265.76	0.04		1	100% TONSTEIN	
265.96	0.20		1	100% COAL, DULL WITH FEW BRIGHT BANDS	
266.01	0.05		1	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	
266.03	0.07		1	100% COAL, DULL WITH FEW BRIGHT BANDS	
266.17	0.09		1	100% COAL, DULL	
266.25	0.08	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	
266.39	0.14	100	1	100% COAL, DULL	
266.46	0.07	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	
266.58	0.12	100	1	100% COAL, DULL	
266.64	0.06	100	1	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	
266.72	0.08	100	1	100% COAL, INTERBANDED DULL AND BRIGHT	
266.75	0.03	100	1	100% COAL, HEAVY DULL	
266.79	0.04	100	1	100% COAL, DULL	
266.86	0.07	100	2	100% CARBONACEOUS MUDSTONE	BLACK.
267.05	0.19	100	2	100% MUDSTONE	CARBONACEOUS, STREAKS, GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
267.07	0.02	100	2	100% CARBONACEOUS MUDSTONE	
267.35	0.28	100	2	100% COAL, DULL	
267.39	0.04	100	2	100% COAL, DULL WITH FEW BRIGHT BANDS	
267.42	0.03	100	2	100% TONSTEIN	
267.45	0.03	100	2	100% COAL, INTERBANDED DULL AND BRIGHT	
267.67	0.22	100	3	100% CARBONACEOUS MUDSTONE	BRIGHT COAL, BANDS, BLACK, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
267.77	0.10	100	3	100% COAL, INTERBANDED DULL AND BRIGHT	
267.90	0.13	100	3	100% CARBONACEOUS MUDSTONE	BRIGHT COAL, BANDS, BLACK, MODERATELY WEAK ROCK.
268.10	0.20	100	3	100% MUDSTONE	GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
268.30	0.20	100	4	100% COAL, DULL	MUDSTONE, FRAGMENTS, WITH CALCITE ON FRACTURES, WITH MUD PELLETS.
268.50	0.20	100	4	100% COAL, DULL	BADLY BROKEN.
269.32	0.82	100	4	100% COAL, DULL	BRIGHT COAL, BANDS.

DEPTH TO USE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
BASE OF DALMAYNE D : THICKNESS= 5.26 M; SAMPLED THICKNESS= 5.26 M					
269.68	0.36	100		100% MUDSTONE	GRADING TO, FINE GRAINED SANDSTONE, GREY-BROWN, SLOW SLAKING.
271.48	1.80	100		100% SANDSTONE, FINE GRAINED	SILTSTONE, BANDS, LIGHT GREY, STRONG ROCK, WITH PLANT REMAINS.
274.50	1.02	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, VERY STRONG ROCK.