

THE SHELL COMPANY OF AUSTRALIA LTD.

BOREHOLE LITHOLOGICAL DESCRIPTION

GRAY

GY 27

HOLE TYPE	CORE
EASTING	597,989 M AM GRID
NORTHING	5,373,075 M AM GRID
ELEVATION	453.10 M
TOTAL DEPTH DRILLED	388.70 M
DRILLING STARTED	29/ 4/80
DRILLING TIME	
CORE SIZE	63.0 MM
HOLE SIZE	96.1 MM
LENGTH CASED	
INITIAL WATER LEVEL	
WATER LEVEL AT GEOPHYSICAL LOGGING	
DRILLING FLUID	
DRILLING CONTRACTOR	
GEOPHYSICAL LOGGING CONTRACTOR	
LITHOLOGICAL DESCRIPTION BY	
INFORMATION AVAILABLE :	SAMPLES TAKEN ANALYTICAL DATA LITHOLOGICAL DESCRIPTION
PETROPHYSICAL WIRELINE LOGS RUN :	

*** FRAME 613***

BOREHOLE : GY 27

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
6.85	6.85	80		60% DOLERITE 40% MUDSTONE	SCREE. FRAGMENTS.
7.80	0.95	100		100% MUDSTONE	GREY-GREEN, MODERATELY WEATHERED, WEAK ROCK, WITH MUD PELLETS.
11.69	3.89	100		100% MUDSTONE	CALCITIC, STREAKS, GREY-GREEN, MODERATELY WEATHERED, WEAK ROCK.
12.40	0.71	100		100% MUDSTONE	GREY-GREEN, WITH MUD PELLETS.
13.90	1.50	100		100% MUDSTONE	GREY-GREEN, COMPLETELY WEATHERED, VERY WEAK ROCK.
14.15	0.25	100		100% MUDSTONE	GREY-GREEN, MODERATELY WEATHERED, WEAK ROCK.
14.21	0.06	100		100% MUDSTONE	RED-BROWN, MODERATELY WEATHERED.
14.43	0.22	100		100% MUDSTONE	CALCITIC, STREAKS, GREY-GREEN, MODERATELY WEATHERED.
15.22	0.79	100		80% MUDSTONE 20% MUDSTONE	GREY-GREEN. RED-BROWN. MODERATELY WEATHERED.
16.84	1.62	100		100% MUDSTONE	CALCITIC, STREAKS, GREY-GREEN, MODERATELY WEATHERED, WITH MUD PELLETS.
16.94	0.10	100		100% MUDSTONE	RED-BROWN, MODERATELY WEATHERED.
17.53	0.59	100		100% MUDSTONE	CALCITIC, STREAKS, GREY-GREEN, MODERATELY WEATHERED, WITH PLANT REMAINS, CLOSELY SPACED JOINTS, JOINTS DIP 35 DEG.
18.37	0.84	100		80% MUDSTONE 20% MUDSTONE	GREY-GREEN. RED-BROWN. MODERATELY WEATHERED.
18.41	0.04	100		100% MUDSTONE	CALCITIC, STREAKS, GREEN-BROWN, MODERATELY WEATHERED.
40.70	22.29	100		80% MUDSTONE 20% MUDSTONE	CALCITIC, STREAKS, GREY-GREEN. RED-BROWN. MODERATELY WEATHERED, WITH MUD PELLETS.
43.76	3.06	100		100% MUDSTONE	CARBONACEOUS, BANDS, GREY-GREEN, MODERATELY WEATHERED.
44.36	0.60	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, BANDS, BLACK, MODERATELY WEATHERED, MODERATELY WEAK ROCK.
44.74	0.38	100		100% MUDSTONE	GREY, SLIGHTLY WEATHERED, MODERATELY STRONG ROCK.
45.28	0.54	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEATHERED, MODERATELY WEAK ROCK.
46.11	0.83	100		100% MUDSTONE	GREY, MODERATELY WEATHERED, MODERATELY STRONG ROCK.
46.64	0.53	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, LENSES, LIGHT GREY, SLIGHTLY WEATHERED, STRONG ROCK.
47.13	0.49	100		100% SILTSTONE	GREY, MODERATELY WEATHERED, MODERATELY STRONG ROCK.
48.08	0.95	100		100% SILTSTONE	CARBONACEOUS, DARK GREY, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
49.90	1.82	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, LIGHT GREY, UNWEATHERED, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
50.15	0.25	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEATHERED, MODERATELY WEAK ROCK.
50.21	0.06	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, LIGHT GREY, SLIGHTLY WEATHERED, MODERATELY STRONG ROCK.
50.82	0.61	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, SLIGHTLY WEATHERED, MODERATELY STRONG ROCK.
50.90	0.08	100		100% MUDSTONE	GREY, MODERATELY WEATHERED, WEAK ROCK.
51.42	0.52	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, SLIGHTLY WEATHERED, MODERATELY STRONG ROCK.
51.50	0.08	100		100% MUDSTONE	GREY, MODERATELY WEATHERED, MODERATELY WEAK ROCK.
54.19	2.69	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, SLIGHTLY WEATHERED, MODERATELY STRONG ROCK.
56.31	2.12	100		100% SANDSTONE, FINE GRAINED	SILTSTONE, LAMINAE, LIGHT GREY, UNWEATHERED, STRONG ROCK.
58.17	1.86	100		100% SILTSTONE	CARBONACEOUS, LAMINAE, DARK GREY, UNWEATHERED, STRONG ROCK.
58.75	0.58	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, LAMINAE, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH MUD PELLETS.
59.00	0.25	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, LAMINAE, LIGHT GREY, UNWEATHERED, STRONG ROCK.
59.26	0.26	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, UNWEATHERED, VERY STRONG ROCK.
61.51	2.25	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, VERY STRONG ROCK.
61.66	0.15	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEATHERED, MODERATELY WEAK ROCK.
63.01	1.35	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, COALY, BLACK, UNWEATHERED, STRONG ROCK.
65.81	2.80	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, LAMINAE, DARK GREY, UNWEATHERED, STRONG ROCK.
67.70	1.89	100		100% CARBONACEOUS MUDSTONE	BLACK, WITH CALCITE ON CLEAT, SLIGHTLY WEATHERED, MODERATELY STRONG ROCK, WIDELY SPACED JOINTS, JOINTS DIP 20 DEG.
68.29	0.59	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
68.46	0.17	100		100% MUDSTONE	FOSSILIFEROUS, DARK GREY, MODERATELY WEAK ROCK.
68.87	0.41	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
70.40	1.53	100		100% SANDSTONE, FINE GRAINED	GRADING TO, CARBONACEOUS, LIGHT GREY, MODERATELY WEAK ROCK.
70.56	0.16	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
70.70	0.14	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, MODERATELY STRONG ROCK.
71.20	0.50	100		100% CARBONACEOUS MUDSTONE	BLACK, WITH CALCITE ON FRACTURES, MODERATELY WEAK ROCK.
71.34	0.14	100		100% MUDSTONE	GREY, WEAK ROCK.
71.71	0.37	100		100% MUDSTONE	DARK GREY, WITH CALCITE ON FRACTURES, MODERATELY WEAK ROCK.
74.23	2.52	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
74.85	0.62	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, GREY, MODERATELY STRONG ROCK.
76.15	1.30	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, BLACK, MODERATELY STRONG ROCK.
76.70	0.55	100		100% MUDSTONE	CARBONACEOUS, BLACK, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
77.29	0.59	100		100% CARBONACEOUS MUDSTONE	ARENACEOUS, BANDS, BLACK, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
78.25	0.96	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
79.75	1.50	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
80.93	1.18	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
82.53	1.60	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, LIGHT GREY, MODERATELY STRONG ROCK.
84.15	1.62	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, STRONG ROCK, WITH POOR SORTING.
85.18	1.03	100		100% SANDSTONE, MEDIUM GRAINED	GRADING TO, FINE GRAINED SANDSTONE, LIGHT GREY, STRONG ROCK.
85.64	0.46	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK.
89.36	3.72	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, STRONG ROCK.
89.82	0.46	100		100% SANDSTONE, FINE GRAINED	GREY, MODERATELY STRONG ROCK.
90.89	1.07	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, STRONG ROCK.
97.77	6.83	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK.
98.16	0.39	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY WEAK ROCK.
98.40	0.24	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK, WITH POOR SORTING.
98.83	0.43	100		50% MUDSTONE 50% CARBONACEOUS MUDSTONE	BADLY BROKEN, DARK GREY. BADLY BROKEN, BLACK. MODERATELY WEAK ROCK.
98.92	0.09	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
99.04	0.12	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
99.09	0.05	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
99.31	0.22	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK, MODERATELY WEAK ROCK.
99.53	0.22	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
99.62	0.09	100		100% MUDSTONE	PEBBLY, BROWN, WITH PEBBLY CHLORITE, MODERATELY WEAK ROCK.
100.33	0.71	100		100% MUDSTONE	GREY-GREEN, MODERATELY WEAK ROCK.
100.70	0.37	100		100% SANDSTONE, FINE GRAINED	PEBBLY, PINK-GREY, MODERATELY STRONG ROCK, WITH FLAME/PULL STRUCTS.
103.86	3.16	100		100% SANDSTONE, FINE GRAINED	CREAM, WITH TRACES OF SULPHIDES, MODERATELY STRONG ROCK, WITH FLAME/PULL STRUCTS.
104.85	0.99	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREEN, MODERATELY STRONG ROCK.
104.96	0.11	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
107.22	2.26	100		100% SANDSTONE	VERY FINE GRAINED, GREY, MODERATELY WEAK ROCK, WITH BURROWING.
107.50	0.28	100		100% CARBONACEOUS MUDSTONE	COALY, BANDS, BLACK, MODERATELY WEAK ROCK.
113.30	5.80	100		100% SANDSTONE	VERY FINE GRAINED, GREY, MODERATELY STRONG ROCK.
113.94	0.64	100		80% SANDSTONE, MEDIUM GRAINED 20% SANDSTONE, FINE GRAINED	LIGHT GREY. GREY. STRONG ROCK, BEDS DIP 6 DEG.
114.39	0.45	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK, WITH CARBONACEOUS WISPS.
115.15	0.76	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREEN, MODERATELY STRONG ROCK.
116.06	0.91	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, STRONG ROCK.
116.96	0.90	100		100% SANDSTONE	MED.-COARSE GRAINED, PEBBLY, LIGHT GREY, STRONG ROCK.
117.78	0.82	100		100% SANDSTONE, FINE GRAINED	BADLY BROKEN, PEBBLY, LIGHT GREY, MODERATELY STRONG ROCK.
118.14	0.36	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
119.77	1.63	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
120.35	0.58	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, STRONG ROCK.
122.98	2.63	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
129.02	6.04	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, STRONG ROCK.
129.21	0.19	100		100% SANDSTONE, FINE GRAINED	GREY, STRONG ROCK.
129.28	0.07	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
129.43	0.15	100		100% SANDSTONE, FINE GRAINED	GREY, MODERATELY STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
130.56	1.13	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, STRONG ROCK.
131.63	1.07	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
133.80	2.17	100		100% SANDSTONE, MEDIUM GRAINED	COALY, LENSES, LIGHT GREY, STRONG ROCK.
134.47	0.67	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
134.68	0.21	100		100% COAL, INTERBANDED DULL AND BRIGHT	
134.74	0.06	100		100% MUDSTONE	DARK GREY, WEAK ROCK.
134.94	0.20	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
135.00	0.06	100		100% MUDSTONE	BROWN, VERY WEAK ROCK.
135.06	0.06	100		100% COAL, DULL	
135.29	0.23	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	
135.39	0.10	100		100% COAL, BRIGHT WITH FEW DULL BANDS	
135.42	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
135.49	0.07	100		100% SANDSTONE	VERY FINE GRAINED, GREY, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
136.56	1.07	100		100% SANDSTONE	MED.-FINE GRAINED, CREAM, MODERATELY STRONG ROCK.
137.17	0.61	100		100% SANDSTONE, MEDIUM GRAINED	CREAM, MODERATELY STRONG ROCK.
139.22	2.05	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
140.17	0.95	100		100% MUDSTONE	CARBONACEOUS, BANDS, GREY, MODERATELY WEAK ROCK.
140.40	0.23	100		100% COAL, HEAVY DULL	MUDSTONE, BANDS.
140.44	0.04	100		100% MUDSTONE	BROWN, WEAK ROCK.
140.49	0.05	100		100% COAL, HEAVY DULL	MUDSTONE, BANDS.
140.60	0.11	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
140.68	0.08	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK, MODERATELY WEAK ROCK.
140.78	0.10	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
140.85	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
140.88	0.03	100		100% CLAY	LIGHT BROWN, STIFF, RAPID SLAKING, NON STICKY.
141.02	0.14	100		100% COAL, HEAVY DULL	
141.05	0.03	100		100% MUDSTONE	GREY, WEAK ROCK.
141.07	0.02	100		100% SANDSTONE, FINE GRAINED	BROWN, MODERATELY STRONG ROCK.
141.24	0.17	100		100% COAL, HEAVY DULL	
141.28	0.04	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE *** CORE DESCRIPTION ***	GEOLOGICAL DESCRIPTION
142.78	1.50	100		100% SANDSTONE, FINE GRAINED	CREAM, MODERATELY STRONG ROCK.
143.00	0.22	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, MODERATELY STRONG ROCK.
143.19	0.19	100		100% COAL, HEAVY DULL	
143.22	0.03	100		100% SANDSTONE, MEDIUM GRAINED	GREY-GREEN, MODERATELY WEAK ROCK.
143.53	0.31	100		100% COAL, HEAVY DULL	DULL COAL, BANDS.
143.61	0.08	100		100% SANDSTONE, MEDIUM GRAINED	BROWN, STRONG ROCK.
143.69	0.08	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
143.70	0.01	100		100% MUDSTONE	BROWN, WEAK ROCK.
143.75	0.05	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
143.79	0.04	100		100% MUDSTONE	COALY, FRAGMENTS, BROWN, MODERATELY WEAK ROCK.
143.87	0.08	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
143.97	0.10	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
144.01	0.04	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	
144.16	0.15	100		100% COAL, DULL	
144.19	0.03	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, MODERATELY WEAK ROCK.
144.23	0.04	100		100% COAL, HEAVY DULL	
144.29	0.06	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, MODERATELY STRONG ROCK.
145.26	0.97	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
145.33	0.07	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, MODERATELY STRONG ROCK.
145.37	0.04	100		100% COAL, HEAVY DULL	
145.99	0.62	100		100% COAL, INTERBANDED DULL AND BRIGHT	WITH CALCITE ON CLEFT.
146.02	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
146.07	0.05	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	
146.12	0.05	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
146.62	0.50	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
146.75	0.13	100		100% SANDSTONE	VERY FINE GRAINED, GREY, MODERATELY STRONG ROCK.
146.98	0.23	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
147.11	0.13	100		100% CLAY	CREAM, STIFF, SLOW SLAKING, NON STICKY.
147.56	0.45	100		100% SANDSTONE	MED.-FINE GRAINED, CREAM, MODERATELY STRONG ROCK.
147.67	0.11	100		100% SANDSTONE, MEDIUM GRAINED	GREY, STRONG ROCK.
147.93	0.26	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
148.03	0.10	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
148.07	0.04	100		100% SANDSTONE, MEDIUM GRAINED	BROWN, STRONG ROCK.
148.14	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
148.18	0.04	100		100% COAL, BRIGHT	
148.34	0.16	100		100% COAL, DULL	
148.53	0.19	100		100% COAL, HEAVY DULL	
148.61	0.08	100		100% MUDSTONE	GREY-GREEN, WITH ABUNDANT CALCITE, MODERATELY WEAK ROCK.
148.70	0.09	100		100% COAL, DULL	
148.79	0.09	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
149.10	0.31	100		100% COAL, BRIGHT WITH FEW DULL BANDS	BADLY BROKEN.
149.31	0.21	100		100% COAL, DULL	BADLY BROKEN.
153.13	3.82	100		100% SANDSTONE, FINE GRAINED	CREAM, MODERATELY STRONG ROCK.
153.37	0.24	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK, THINLY LAMINATED.
153.62	0.25	100		100% SANDSTONE, FINE GRAINED	GREY, STRONG ROCK, THINLY LAMINATED, LAMINATED, WITH TROUGH CROSS BEDDING.
158.78	5.16	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
159.32	0.54	100		100% MUDSTONE	DARK GREY, MODERATELY WEAK ROCK.
159.54	0.22	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
159.58	0.04	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
159.84	0.26	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
159.88	0.04	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
160.02	0.14	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
160.83	0.81	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK, THICKLY LAMINATED.
161.01	0.18	100		100% COAL, HEAVY DULL	MUDSTONE, LENSES.
161.02	0.01	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
161.05	0.03	100		100% COAL, DULL	
161.07	0.02	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
161.16	0.09	100		100% COAL, HEAVY DULL	
161.57	0.41	100		100% SANDSTONE, FINE GRAINED	ARGILLACEOUS, BANDS, LIGHT BROWN, MODERATELY STRONG ROCK, NON STICKY.
162.19	0.62	100		100% CARBONACEOUS MUDSTONE	COALY, LENSES, BROWN, MODERATELY STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMSER	ROCK TYPE	GEOLOGICAL DESCRIPTION
					*** CORE DESCRIPTION ***
162.45	0.26	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
163.83	1.38	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
170.70	6.87	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
174.24	3.54	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
174.66	0.42	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
175.02	0.36	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
175.34	0.32	100		100% SANDSTONE, MEDIUM GRAINED	MUDSTONE, PEBBLY, LIGHT GREY, STRONG ROCK.
175.88	0.54	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, STRONG ROCK.
176.04	0.16	100		70% SANDSTONE, MEDIUM GRAINED 30% MUDSTONE	LIGHT GREY. PELLETAL, GREY. STRONG ROCK.
178.90	2.86	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
178.98	0.08	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
179.40	0.42	100		100% MUDSTONE	BROWN, WEAK ROCK.
179.48	0.08	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
179.78	0.30	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, LAMINAE, BLACK, MODERATELY STRONG ROCK, WITH DISTURBED BEDDING.
179.97	0.19	100		100% COAL, HEAVY DULL	
180.19	0.22	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
180.22	0.03	100		100% MUDSTONE	GREY, WITH GRANULAR CALCITE, MODERATELY WEAK ROCK.
180.35	0.13	100		100% MUDSTONE	LIGHT BROWN, WEAK ROCK.
180.72	0.37	100		100% CARBONACEOUS SHALE	MUDSTONE, PEBBLY, BLACK, WEAK ROCK.
180.80	0.08	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, STRONG ROCK.
180.88	0.08	100		100% COAL, HEAVY DULL	
180.92	0.04	100		100% CARBONACEOUS SHALE	MUDSTONE, PEBBLY, BLACK, MODERATELY STRONG ROCK.
181.03	0.11	100		100% MUDSTONE	COALY, BANDS, GREY-BROWN, MODERATELY WEAK ROCK.
181.16	0.13	100		100% CARBONACEOUS SHALE	BLACK, MODERATELY STRONG ROCK.
181.20	0.04	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
181.23	0.03	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
181.44	0.21	100		100% COAL, INTERBANDED DULL AND BRIGHT	WITH CALCITE ON CLEAT.
181.65	0.21	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
183.19	1.54	100		50% SANDSTONE 50% SANDSTONE, FINE GRAINED	MED.-FINE GRAINED, LIGHT GREY. LIGHT GREY. STRONG ROCK, VERY THINLY BEDDED, WITH DISTURBED BEDDING.
183.97	0.78	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
184.24	0.27	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY STRONG ROCK.
184.51	0.27	100		100% COAL, DULL	MUDSTONE, PEBBLY.
184.79	0.28	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	WITH CALCITE ON CLEAT.
185.01	0.22	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
185.32	0.31	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
185.85	0.53	100		50% CARBONACEOUS MUDSTONE 50% MUDSTONE	MUDSTONE, PEBBLY, BLACK. GREY. MODERATELY WEAK ROCK, VERY THINLY BEDDED.
185.96	0.11	100		100% COAL, HEAVY DULL	
186.05	0.09	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY.
186.16	0.11	100		100% COAL, HEAVY DULL	
186.25	0.09	100		100% SANDSTONE, MEDIUM GRAINED	DARK GREY, MODERATELY STRONG ROCK, WITH POOR SORTING.
186.29	0.04	100		100% SANDSTONE	MED.-COARSE GRAINED, GREY, STRONG ROCK, WITH POOR SORTING.
186.41	0.12	100		100% COAL, HEAVY DULL	MUDSTONE, BANDS.
186.44	0.03	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
186.48	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK, WITH MUD PELLETS.
186.59	0.11	100		100% MUDSTONE	BUFF, MODERATELY WEAK ROCK, WITH CARBONACEOUS WISPS.
186.65	0.06	100		100% CARBONACEOUS MUDSTONE	BLACK, FIRM.
186.88	0.23	100		100% COAL, HEAVY DULL	
186.99	0.11	100		100% MUDSTONE	CREAM, SOFT.
187.06	0.07	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	
188.25	1.19	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, MODERATELY WEAK ROCK.
189.40	1.15	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, STRONG ROCK.
197.44	8.04	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
197.76	0.32	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, WITH DISTURBED BEDDING, WITH FLAME/PULL STRUCTS.
198.50	0.74	100		100% SANDSTONE, MEDIUM GRAINED	MUDSTONE, PEBBLY, LIGHT GREY, STRONG ROCK.
206.11	7.61	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
206.34	0.23	100		100X SANDSTONE, COARSE GRAINED	MUDSTONE, PEBBLY, LIGHT GREY, STRONG ROCK.
206.55	0.21	100		100X SANDSTONE, FINE GRAINED	GREY, STRONG ROCK, LAMINATED.
208.20	1.65	100		100X SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY.
208.71	0.51	100		100X SANDSTONE, MEDIUM GRAINED	LIGHT GREY.
208.74	0.03	100		100X SANDSTONE, FINE GRAINED	GREY.
210.31	1.57	100		100X SANDSTONE, MEDIUM GRAINED	LIGHT GREY.
210.37	0.06	100		100X PEBBLE CONGLOMERATE	MUDSTONE, PEBBLY, LIGHT GREY.
211.85	1.48	100		100X SANDSTONE, COARSE GRAINED	LIGHT GREY.
212.13	0.28	100		100X SANDSTONE, COARSE GRAINED	LIGHT GREY.
212.26	0.13	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY.
212.47	0.21	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY.
TOP OF DALMAYNE B : 240.63 M R.L.					
212.68	0.21	100		100X MUDSTONE	COALY, LENSES, GREY, WITH DISTURBED BEDDING.
212.81	0.13	100		100X COAL, HEAVY DULL	TIGHT PLANAR, ROUGH DISCONTINUITIES, WITH SLICKENSIDES.
213.02	0.21	100		100X MUDSTONE	GREY.
213.23	0.21	100		100X CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK.
213.62	0.39	100		100X MUDSTONE	GREY.
213.69	0.07	100		100X SANDSTONE, FINE GRAINED	LIGHT BROWN, MODERATELY STRONG ROCK.
213.93	0.24	100		100X CARBONACEOUS MUDSTONE	BLACK, MODERATELY STRONG ROCK.
214.03	0.10	100		100X MUDSTONE	GREY-BROWN, MODERATELY WEAK ROCK.
214.11	0.08	100		100X CLAYSTONE	LIGHT BROWN, VERY WEAK ROCK.
214.14	0.03	100		100X SANDSTONE, FINE GRAINED	BROWN, VERY WEAK ROCK.
214.17	0.03	100		100X CARBONACEOUS MUDSTONE	BLACK, WITH PLANT REMAINS.
214.19	0.02	100		100X CLAYSTONE	LIGHT BROWN.
214.29	0.10	100		100X COAL, HEAVY DULL	
214.70	0.41	100		100X MUDSTONE	PEBBLY, BROWN.
214.80	0.10	100		100X CLAYSTONE	LIGHT BROWN.
215.06	0.26	100		50% CLAYSTONE 50% CARBONACEOUS SHALE	LIGHT BROWN. BLACK.
215.22	0.16	100		100X CARBONACEOUS SHALE	BLACK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
					*** CORE DESCRIPTION ***
215.27	0.05	100		100% MUDSTONE	LIGHT BROWN.
215.48	0.21	100		100% MUDSTONE	CARBONACEOUS, INTERCALATIONS, LIGHT BROWN, WITH DISTURBED BEDDING.
215.58	0.10	100		100% CARBONACEOUS SHALE	BLACK.
215.63	0.05	100		100% CLAYSTONE	CREAM, WITH ABUNDANT CALCITE.
215.84	0.21	100		100% CARBONACEOUS SHALE	CLAYSTONE, BANDS, BLACK.
215.89	0.05	100		100% CLAYSTONE	LIGHT BROWN.
216.28	0.39	100		100% CARBONACEOUS SHALE	ARGILLACEOUS, BANDS, BLACK.
216.60	0.32	100		100% CARBONACEOUS SHALE	BLACK.
216.85	0.25	100		100% MUDSTONE	CREAM, WITH GRANULAR CALCITE.
217.37	0.52	100		100% CARBONACEOUS MUDSTONE	BLACK.
217.95	0.58	100		100% CARBONACEOUS MUDSTONE	ARENACEOUS, LENSES, BLACK.
218.27	0.32	100		100% TUFF	WHITE.
219.28	1.01	100		100% CARBONACEOUS MUDSTONE	ARENACEOUS, BANDS, BLACK.
220.56	1.28	100		85% SANDSTONE 15% SANDSTONE, MEDIUM GRAINED	VERY FINE GRAINED, LIGHT GREY. LIGHT GREY.
221.19	0.63	100		100% MUDSTONE	GREY.
221.33	0.14	100		100% CLAY	CREAM, FIRM, RAPID SLAKING, VERY STICKY.
221.85	0.52	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
224.99	3.14	100		60% SANDSTONE, FINE GRAINED 40% SANDSTONE, MEDIUM GRAINED	GREY. LIGHT GREY. MODERATELY STRONG ROCK, THICKLY LAMINATED, WITH TROUGH CROSS BEDDING, LAMINATED.
227.97	2.98	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK, WITH CARBONACEOUS WISPS.
228.10	0.13	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, MODERATELY WEAK ROCK.
228.24	0.14	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
228.25	0.01	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
228.39	0.14	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
228.42	0.03	100		100% MUDSTONE	BROWN, MODERATELY WEAK ROCK.
228.77	0.35	100		100% COAL, DULL	
228.81	0.04	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
228.85	0.04	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
229.44	0.59	100		100% MUDSTONE	CARBONACEOUS, LENSES, GREY, MODERATELY WEAK ROCK.
229.48	0.04	100		100% COAL, DULL	

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
BASE OF DALMAYNE B : THICKNESS= 17.01 M; SAMPLED THICKNESS= 0.00 M					
232.25	2.77	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, LAMINATED.
234.69	2.44	100		70% SANDSTONE, FINE GRAINED 30% MUDSTONE	LIGHT GREY. GREY. MODERATELY STRONG ROCK, THICKLY LAMINATED.
237.77	3.08	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, LAMINATED.
245.90	8.13	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
251.20	5.30	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
251.63	0.43	100		100% SANDSTONE, MEDIUM GRAINED	PEBBLY, LIGHT GREY, STRONG ROCK.
254.53	2.90	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
255.77	1.24	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, STRONG ROCK, WITH CARBONACEOUS WISPS.
TOP OF DALMAYNE C : 197.33 M R.L.					
255.88	0.11	100		100% COAL, DULL	
255.98	0.10	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
256.10	0.12	100		100% COAL, DULL	
256.12	0.02	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
256.76	0.64	100		100% COAL, HEAVY DULL	BADLY BROKEN.
256.79	0.03	100		100% MUDSTONE	LIGHT BROWN, MODERATELY WEAK ROCK.
256.90	0.11	100		100% COAL, HEAVY DULL	BADLY BROKEN.
257.15	0.25	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
BASE OF DALMAYNE C : THICKNESS= 1.38 M; SAMPLED THICKNESS= 0.00 M					
257.36	0.21	100		100% CLAY	CREAM, FIRM, SLOW SLAKING, VERY STICKY.
257.53	0.17	100		100% MUDSTONE	DARK GREY, MODERATELY STRONG ROCK.
257.63	0.10	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, LAMINATED.
257.70	0.07	100		100% MUDSTONE	LIGHT GREY, MODERATELY STRONG ROCK.
263.17	5.47	100		100% MUDSTONE	GREY, WITH PLANT REMAINS.
267.10	3.93	100		80% SANDSTONE 20% MUDSTONE	MED.-FINE GRAINED, LIGHT GREY. GREY. MODERATELY STRONG ROCK, THINLY BEDDED, WITH CARBONACEOUS WISPS.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
267.30	0.20	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTALS, LIGHT GREY, STRONG ROCK.
270.58	3.28	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
270.91	0.33	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTALS, LIGHT GREY, STRONG ROCK.
271.16	0.25	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
271.43	0.27	100		100% SANDSTONE, MEDIUM GRAINED	PEBBLY, LIGHT GREY, STRONG ROCK.
272.93	1.50	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
273.76	0.83	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
276.55	2.79	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTALS, LIGHT GREY, STRONG ROCK.
276.83	0.28	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK.
279.56	2.73	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTALS, LIGHT GREY, STRONG ROCK.
281.25	1.69	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
281.91	0.66	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTALS, LIGHT GREY, STRONG ROCK.
293.88	11.97	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
294.20	0.32	100		100% PEBBLE CONGLOMERATE	GREY, STRONG ROCK.
298.20	4.00	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
305.14	6.94	100		100% SANDSTONE	MED.-FINE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK.
305.54	0.40	100		100% SANDSTONE	MED.-FINE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
TOP OF : 147.56 M R.L.					
305.74	0.20	100		100% CARBONACEOUS MUDSTONE	COALY, BLACK, MODERATELY STRONG ROCK.
BASE OF : THICKNESS= 0.20 M; SAMPLED THICKNESS= 0.00 M					
306.02	0.28	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
308.26	2.24	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
308.79	0.53	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, VERY STRONG ROCK.
309.75	0.96	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, VERY STRONG ROCK.
310.38	0.63	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, VERY STRONG ROCK.
313.39	3.01	100		100% SANDSTONE, MEDIUM GRAINED	COALY, STREAKS, LIGHT GREY, VERY STRONG ROCK.
313.75	0.36	100		100% SANDSTONE, COARSE GRAINED	COALY, FRAGMENTALS, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
313.90	0.15	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
313.95	0.05	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
314.19	0.24	100		100% MUDSTONE	CARBONACEOUS, STREAKS, GREY, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
314.32	0.13	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
314.66	0.34	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
315.94	1.28	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
319.52	3.58	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
321.94	2.42	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
322.47	0.53	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
TOP OF DALMAYNE D UPPER : 130.63 M R.L.					
322.65	0.18	100		100% COAL, HEAVY DULL	
322.76	0.11	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, VERY STRONG ROCK.
323.07	0.31	100		100% COAL, DULL WITH FEW BRIGHT BANDS	WITH CALCITE ON FRACTURES.
BASE OF DALMAYNE D UPPER : THICKNESS= 0.60 M; SAMPLED THICKNESS= 0.00 M					
323.86	0.79	100		100% MUDSTONE	BRIGHT COAL, BANDS, GREY, MODERATELY STRONG ROCK.
326.60	2.74	100		100% MUDSTONE	GREY, MODERATELY STRONG ROCK.
326.96	0.36	100		50% MUDSTONE 50% SANDSTONE, FINE GRAINED	GREY. LIGHT GREY. MODERATELY STRONG ROCK.
327.52	0.56	100		100% MUDSTONE	GREY, MODERATELY STRONG ROCK.
328.47	0.95	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, LAMINAE, LIGHT GREY, VERY STRONG ROCK.
329.67	1.20	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
331.88	2.21	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS, WITH MUD PELLETS.
334.90	3.02	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
335.14	0.24	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
339.74	4.60	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
340.70	0.96	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
341.34	0.64	100		100% SANDSTONE, COARSE GRAINED	COALY, FRAGMENTS, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS, WITH CARBONACEOUS WISPS.
342.72	1.38	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK.
342.88	0.16	100		100% MUDSTONE	GREY, MODERATELY STRONG ROCK.
343.26	0.38	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK.
343.70	0.44	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, LAMINAE, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
347.16	3.46	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
TOP OF DALMAYNE D LOWER : 105.94 M R.L.					
347.23	0.07	100	1	100% COAL, BRIGHT	
347.63	0.46	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	
347.66	0.03	100	1	100% CLAY	PELLETAL, CREAM, STRONG ROCK, NON SLAKING, NON STICKY.
347.96	0.30	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	ARGILLACEOUS, LENSES.
348.55	0.59	100	1	100% COAL, DULL	WITH LENSES OF KAOLINITE, WIDELY SPACED JOINTS, JOINTS DIP 90 DEG.
348.56	0.01	100	1	100% KAOLINITE	CRYSTALLINE, PELLETAL, DARK GREY, NON SLAKING, NON STICKY.
348.57	0.01	100	1	100% COAL, BRIGHT	
349.19	0.62	100	1	100% COAL, DULL	
349.65	0.46	100	2	100% COAL, INTERBANDED DULL AND BRIGHT	
349.70	0.05	100	2	100% COAL, BRIGHT	
349.98	0.28	100	2	100% COAL, DULL WITH FEW BRIGHT BANDS	
350.00	0.02	100	2	100% CLAY	LENSES.
350.08	0.08	100	2	100% COAL, DULL WITH FEW BRIGHT BANDS	
350.11	0.03	100	2	100% CARBONACEOUS MUDSTONE	FRIABLE, BLACK.
350.19	0.08	100	2	100% COAL, DULL WITH FEW BRIGHT BANDS	
350.65	0.46	100	2	100% COAL, DULL	
350.66	0.01	100	2	100% MUDSTONE	
350.72	0.06	100	2	100% COAL, DULL WITH FEW BRIGHT BANDS	

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
350.74	0.02	100	2	100% COAL, BRIGHT	
350.89	0.15	100	2	100% COAL, BRIGHT	
350.91	0.02	100	2	100% MUDSTONE	
350.96	0.05	100	2	100% COAL, BRIGHT WITH FEW DULL BANDS	
351.00	0.04	100	2	100% COAL, HEAVY DULL	
351.16	0.16	100	2	100% COAL, BRIGHT WITH FEW DULL BANDS	
BASE OF DALMAYNE D LOWER : THICKNESS= 4.00 M; SAMPLED THICKNESS= 4.00 M					
351.27	0.04	100		100% MUDSTONE	BRIGHT COAL, BANDS, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
351.30	0.10	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, MODERATELY WEAK ROCK, WITH CARBONACEOUS WISPS.
351.38	0.08	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
351.80	0.42	100		50% SANDSTONE, MEDIUM GRAINED 50% SANDSTONE, FINE GRAINED	GREY. GREY. MODERATELY WEAK ROCK.
351.81	0.01	100		100% COAL, BRIGHT	PYRITIC, LENSES.
352.50	0.69	100		100% SANDSTONE, FINE GRAINED	COALY, STREAKS, LIGHT GREY, WITH CARBONACEOUS WISPS.
352.70	0.20	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
353.07	0.37	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
354.32	1.25	100		100% SANDSTONE, FINE GRAINED	GREY-BROWN, VERY STRONG ROCK.
354.66	0.34	100		100% SANDSTONE	MED.-FINE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
355.88	1.22	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
356.17	0.29	100		100% CARBONACEOUS MUDSTONE	COALY, FRAGMENTS, BLACK, SLIGHTLY WEATHERED, MODERATELY WEAK ROCK.
356.24	0.07	100		100% CARBONACEOUS MUDSTONE	BROWN, COMPLETELY WEATHERED, VERY WEAK ROCK.
356.37	0.13	100		100% COAL, DULL	
356.46	0.09	100		100% MUDSTONE	CARBONACEOUS, BANDS, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
358.70	2.24	100		75% MUDSTONE 25% SANDSTONE, FINE GRAINED	GREY. GREY. MODERATELY STRONG ROCK, WITH PLANT REMAINS, WIDELY SPACED JOINTS, WITH SLICKENSIDES, JOINTS DIP 25 DEG., OPEN, PLANAR, SMOOTH DISCONTINUITIES.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
359.49	0.79	100		75% SANDSTONE, FINE GRAINED 25% MUDSTONE	COALY, STREAKS, LIGHT GREY. GREY. VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
361.04	1.55	100		100% SANDSTONE, MEDIUM GRAINED	COALY, LAMINAE, LIGHT GREY, VERY STRONG ROCK.
361.18	0.14	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, LAMINAE, LIGHT GREY, VERY STRONG ROCK.
361.70	0.52	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, VERY STRONG ROCK.
365.47	3.77	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
365.77	0.30	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
366.17	0.40	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
366.46	0.29	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
367.14	0.68	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
367.47	0.33	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
367.70	0.23	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, VERY STRONG ROCK.
370.39	2.69	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
370.74	0.35	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
371.67	0.93	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
372.08	0.41	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
374.09	2.01	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
374.27	0.18	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH MUD PELLETS.
375.87	1.60	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
376.23	0.36	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
379.03	2.80	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
379.24	0.21	100		100% SANDSTONE, FINE GRAINED	COALY, LAMINAE, LIGHT GREY, VERY STRONG ROCK.
379.78	0.54	100		100% SANDSTONE	MED.-COARSE GRAINED, COALY, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
380.73	0.95	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
380.86	0.13	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, VERY STRONG ROCK.
381.44	0.58	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, VERY STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
381.62	0.18	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, VERY STRONG ROCK, WITH CARBONACEOUS WISPS.
388.02	6.40	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, VERY STRONG ROCK.
388.22	0.20	100		100% CARBONACEOUS MUDSTONE	BRIGHT COAL BANDS, BLACK, WITH LENSES OF PYRITE, MODERATELY STRONG ROCK.
388.62	0.40	100		75% SANDSTONE, FINE GRAINED 25% MUDSTONE	CARBONACEOUS, LIGHT GREY. GREY. VERY STRONG ROCK, CLOSELY SPACED JOINTS, WITH SLICKENSIDES, JOINTS DIP 20 DEG., OPEN, PLANAR, ROUGH DISCONTINUITIES.
388.70	0.08	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, VERY STRONG ROCK.