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HOLE NUMBER : CA 115
DATA SOURCE : Marathon Pet. Aust, Ltd
LOGGER : Sharon Carr
Date commenced : 13 Nov 82
Date completed : 15 Nov 82

LOCATION:

NORTHING : 5178213.00
EASTING : 488924.00
ELEVATION : 36.50m

DRILLING:

CONTRACTOR : Rockdril Contractors
DRILL TYPE : Rotary-percussion
HOLE SIZE :
CORE SIZE :
TOTAL DEPTH : 198.00m

GEOPHYSICAL:

CONTRACTOR : BPE Instruments
PROBE DEPTH : 197.00m
LOGS RUN : Natural Gamma
Long Spaced Density
Caliper
Resistivity
Bed Resolution Density
High Resolution Density
Neutron

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FROM TO LITHOLOGY

***** CHIP DESCRIPTION *****

BLADES

0.00 - 5.00 Road fill

5.00 - 9.00 70% DOLERITE SCREE, pale green, highly weathered. Scree
15% CLAYSTONE, greenish-white, highly weathered.
15% SAND, white, fine to medium grained,
highly weathered.

9.00 - 18.00 80% DOLERITE SCREE, green, moderately weathered.
10% CLAYSTONE, white, moderately weathered.
10% SAND, white, fine to medium grained,
moderately weathered.

***** BASE OF MODERATE WEATHERING *****

HAMMER

18.00 - 38.00 DOLERITE, dark green, fine grained, very strong rock,
slightly weathered. Porphyritic and aphanitic with
Phenocrysts of pyroxene, feldspar. Hypohyaline texture

38.00 - 49.00 SANDSTONE, light greenish-grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix, slightly weathered.

49.00 - 50.00 85% SANDSTONE, light greenish-grey,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular,
slightly weathered.
15% SILTSTONE, black, slightly carbonaceous.

50.00 - 51.00 SANDSTONE, light greenish-grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
with some coaly fragments, slightly weathered.

***** BASE OF WEATHERING *****

51.00 - 52.00 60% SANDSTONE, fine grained, ferruginous sub-angular
argillaceous matrix, unweathered.
40% MUDSTONE, light greenish-grey, with some coaly
fragments.

52.00 - 56.00 SANDSTONE, light greenish-grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.

56.00 - 58.00 90% SANDSTONE, light greenish-grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.
10% MUDSTONE, dark grey, some carbonaceous fragments.

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FROM TO LITHOLOGY

58.00 - 66.00 SANDSTONE, light greenish-grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.

66.00 - 67.00 90% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.
10% COAL.

BLADES

67.00 - 68.00 70% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.
20% COAL.
10% MUDSTONE, grey.

68.00 - 72.00 55% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.
45% MUDSTONE, grey.

72.00 - 73.00 60% MUDSTONE, grey.
40% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.

73.00 - 74.00 80% COAL.
10% MUDSTONE, grey.
10% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.

74.00 - 75.00 60% COAL.
25% MUDSTONE, grey.
15% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.

75.00 - 77.00 40% COAL.
30% SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
argillaceous matrix.
30% MUDSTONE, grey.

77.00 - 78.00 60% COAL.
40% MUDSTONE, grey.

78.00 - 79.00 80% COAL.
20% MUDSTONE, grey.

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 FROM TO LITHOLOGY

79.00 - 80.00	80% MUDSTONE, grey. 20% COAL.
80.00 - 82.00	60% MUDSTONE. 40% SANDSTONE, light grey, fine grained, feldspatho-lithic (<80% qtz, felds>rf.) argillaceous matrix sub-angular.
82.00 - 86.00	60% SANDSTONE, light grey, fine grained, feldspatho-lithic (<80% qtz, felds>rf.). 40% MUDSTONE.
86.00 - 102.00	SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% qtz, felds>rf.) argillaceous matrix sub-angular.
102.00 - 109.00	MUDSTONE, grey, silty with arenaceous bands throughout interval.
109.00 - 126.00	SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% qtz, felds>rf.) argillaceous matrix some thin mudstone bands throughout interval.
126.00 - 128.00	MUDSTONE, dark grey, slightly carbonaceous with some coaly traces.
128.00 - 130.00	MUDSTONE, grey.
130.00 - 139.00	55% MUDSTONE. 45% SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% qtz, felds>rf.).
139.00 - 175.00	90% SANDSTONE, light brownish-grey, fine grained, quartzose (>90% quartz) feldspatho-lithic (<80% qtz, felds>rf.) with argillaceous matrix. 10% MUDSTONE, grey.
175.00 - 181.00	60% MUDSTONE, silty. 40% SANDSTONE, light grey, fine grained, quartzose (>90% quartz) feldspatho-lithic (<80% qtz, felds>rf.) sub-angular argillaceous matrix.
181.00 - 190.00	40% MUDSTONE, grey. 30% SILTSTONE, grey. 30% SANDSTONE, light grey, fine grained.
190.00 - 196.00	SANDSTONE, light grey, fine grained, feldspatho-lithic (<80% qtz, felds>rf.).

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 FROM TO LITHOLOGY

196.00 - 198.00

DOLERITE, dark green, fine grained, hard.
Porphyritic and aphanitic

198.00

***** TOTAL DEPTH *****