

050

585051

1 Apr 83

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HOLE NUMBER : CA 120  
DATA SOURCE : Marathon Pet. Aust, Ltd  
LOGGER : Sharon Carr  
Date commenced : 7er 0 9  
Date completed : 7er 0 9

LOCATION:

NORTHING : 5187496.00  
EASTING : 490939.00  
ELEVATION :

DRILLING:

CONTRACTOR :  
DRILL TYPE :  
HOLE SIZE :  
CORE SIZE :  
TOTAL DEPTH :

GEOPHYSICAL:

CONTRACTOR :  
PROBE DEPTH :  
LOGS RUN :

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FROM TO LITHOLOGY  
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\*\*\*\*\* CHIP DESCRIPTION \*\*\*\*\*

BLADES

0.00 - 1.00 SOIL, orangy-tan.

1.00 - 5.00 BASALT. Scree  
70% CLAY, orangy-tan, highly weathered.  
30% BASALT, dark greenish-black, very fine grained,  
moderately weathered, intense brown iron oxide  
stainings. Glassy with small asates

5.00 - 6.00 DOLERITE. Scree  
50% DOLERITE, green, medium grained,  
moderately weathered. Porphyritic  
50% CLAY, orangy-tan, highly weathered.

HAMMER

6.00 - 7.00 BASALT, moderately weathered, intense brown iron oxide  
stainings. Scree

7.00 - 9.00 CLAY, yellowish-brown, highly weathered.

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

9.00 - 12.00 BASALT, greenish-grey, very fine grained, hard,  
slightly weathered, intense brown iron oxide  
stainings, stainings. Glassy with asates

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

12.00 - 19.00 BASALT, greenish-grey, very fine grained, hard,  
unweathered. Glassy with asates throughout

19.00 - 20.00 40% MUDSTONE, grey.  
30% SILTSTONE, reddish-brown.  
30% SANDSTONE, cream, very fine grained, argillaceous.

BLADES

20.00 - 31.00 50% MUDSTONE, grey, interbedded with:  
50% SANDSTONE, grey, very fine grained,  
feldspatho-lithic (<80% qtz, felds>rf.) argillaceous.

31.00 - 35.00 SANDSTONE, grey, fine to medium grained,  
litho-feldspathic (<80% qtz, rf>felds)  
argillaceous matrix.

35.00 - 38.00 MUDSTONE, dark grey.

38.00 - 40.00 MUDSTONE, dark grey, with some coaly fragments.

40.00 - 43.00 MUDSTONE, dark grey.

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 FROM TO LITHOLOGY  
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43.00 - 46.00	70% MUDSTONE, brownish-red. 30% MUDSTONE, pale green.
46.00 - 48.00	60% MUDSTONE, grey, with some coaly fragments. 20% MUDSTONE, reddish-brown. 20% MUDSTONE, pale green.
48.00 - 49.00	50% MUDSTONE, grey. 50% MUDSTONE, dark grey, carbonaceous.
49.00 - 51.00	MUDSTONE, grey.
51.00 - 53.00	MUDSTONE, grey, with some coaly fragments.
53.00 - 54.00	70% MUDSTONE, grey. 30% SANDSTONE, greyish-brown, very fine grained, argillaceous.
54.00 - 55.00	50% MUDSTONE, grey. 45% CARBONACEOUS MUDSTONE, blackish-grey. 5% COAL.
55.00 - 57.00	50% MUDSTONE, grey. 40% CARBONACEOUS MUDSTONE, blackish-grey. 10% SILTSTONE, brownish-grey.
57.00 - 58.00	50% MUDSTONE. 50% CARBONACEOUS MUDSTONE, blackish-grey, with some coaly fragments.
58.00 - 59.00	50% CARBONACEOUS MUDSTONE, greyish-black. 20% COAL. 30% MUDSTONE, grey.
59.00 - 60.00	50% SILTSTONE, brownish-grey. 40% MUDSTONE, grey. 10% COAL.
60.00 - 61.00	50% SANDSTONE, dark grey, very fine grained, carbonaceous. 50% MUDSTONE, grey.
61.00 - 62.00	40% COAL. 30% CARBONACEOUS MUDSTONE, creamy-black, occasional pyrite disseminated. 30% SILTSTONE, brownish-grey.
62.00 - 63.00	50% COAL. 20% CARBONACEOUS MUDSTONE, greyish-black. 30% SILTSTONE, brownish-grey.

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63.00 - 64.00 50% COAL, occasional pyrite disseminated.  
40% CARBONACEOUS MUDSTONE, greyish-black.  
10% SILTSTONE, brownish-grey.

64.00 - 77.00 70% MUDSTONE.  
15% SANDSTONE, grey, very fine grained,  
feldspatho-lithic (<80% Qtz, felds>rf.) argillaceous,  
interbedded with:  
15% SILTSTONE, brownish-grey, interbedded with:

77.00 - 94.00 DOLERITE, dark green, fine grained, hard, occasional  
calcite in veins. Porphyritic

94.00 - 96.00 SANDSTONE, grey, fine grained,  
litho-feldspathic (<80% Qtz, rf>felds)  
argillaceous matrix.

96.00 - 97.00 60% CARBONACEOUS MUDSTONE, blackish-grey.  
20% COAL.  
20% SANDSTONE, grey, fine grained,  
feldspatho-lithic (<80% Qtz, felds>rf.) argillaceous.

97.00 - 98.00 30% COAL.  
40% CARBONACEOUS MUDSTONE, greyish-black.  
30% SILTSTONE, brown.

98.00 - 100.00 40% MUDSTONE.  
40% CARBONACEOUS MUDSTONE, blackish-grey, with some  
coaly fragments.  
20% SILTSTONE, brown.

100.00 - 101.00 40% CARBONACEOUS MUDSTONE.  
60% SANDSTONE, light grey, fine grained,  
quartzose (>90% quartz)  
feldspatho-lithic (<80% Qtz, felds>rf.).

101.00 - 105.00 SANDSTONE, light grey, fine grained,  
quartzose (>90% quartz)  
feldspatho-lithic (<80% Qtz, felds>rf.)  
argillaceous matrix sub-angular poorly sorted.

105.00 - 106.00 60% COAL.  
40% SANDSTONE, light grey, fine grained,  
quartzose (>90% quartz)  
feldspatho-lithic (<80% Qtz, felds>rf.).

106.00 - 107.00 50% COAL, brownish-black.  
50% SILTSTONE, brown.

107.00 - 108.00 50% CARBONACEOUS MUDSTONE, greyish-black.  
50% COAL, brownish-black.

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108.00 - 109.00 75% SILTSTONE, brown.  
25% CARBONACEOUS MUDSTONE, greyish-black.

109.00 - 113.00 SANDSTONE, light grey, fine grained,  
quartzose (>90% quartz)  
feldspatho-lithic (<80% qtz, felds>rf.)  
argillaceous matrix.

113.00 - 115.00 DOOLERITE, dark green, fine grained, hard.  
Blades couldn't cut dolerite.

115.00 \*\*\*\*\* TOTAL DEPTH \*\*\*\*\*