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HOLE NUMBER : CA 113  
DATA SOURCE : Marathon Pet. Aust. Ltd  
LOGGER : N.T. Perkins  
Date commenced : 03 Nov 82  
Date completed : 08 Nov 82

LOCATION:

NORTHING : 5186431.00  
EASTING : 492228.00  
ELEVATION : 49.00m

DRILLING:

CONTRACTOR : Rockdril Contractors  
DRILL TYPE : Rotary-percussion  
HOLE SIZE :  
CORE SIZE :  
TOTAL DEPTH : 321.00m

GEOPHYSICAL:

CONTRACTOR : BPB Instruments  
PROBE DEPTH : 294.00m  
LOGS RUN : Natural Gamma  
Lens Spaced Density  
Caliper  
Resistivity

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

BLADES

0.00 - 1.00 SOIL, brown, fine grained, argillaceous.

1.00 - 4.00 SANDSTONE, fine to medium grained,  
feldspathic (predom. feldspar fragments),  
moderately weathered.

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

4.00 - 6.00 SANDSTONE, yellowish-brown, fine to medium grained,  
feldspatho-lithic (<80% Qtz, felds>rf.),  
slightly weathered.

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

6.00 - 12.00 SANDSTONE, light grey, fine to medium grained,  
feldspathic (predom. feldspar fragments) some coaly  
bands, unweathered.

12.00 - 17.00 SANDSTONE, light to medium grey, fine to medium grained,  
feldspatho-lithic (<80% Qtz, felds>rf.).

HAMMER

17.00 - 18.00 SANDSTONE, grey, fine to medium grained,  
feldspatho-lithic (<80% Qtz, felds>rf.) some coaly  
fragments ferruginous.

18.00 - 21.00 80% COAL.  
20% MUDSTONE, grey.

21.00 - 31.00 MUDSTONE, grey, minor coaly bands near top of unit.

31.00 - 39.00 BOILERITE, green, chloritic some siliceous lenses,  
strong rock, occasional pyrite disseminated.

39.00 - 43.00 SANDSTONE, grey, fine to medium grained,  
feldspathic (predom. feldspar fragments).

43.00 - 45.00 80% COAL.  
20% MUDSTONE, grey.

45.00 - 46.00 CLAYSTONE.

46.00 - 47.00 50% COAL.  
50% CARBONACEOUS MUDSTONE, tan.

47.00 - 48.00 25% COAL.  
25% CARBONACEOUS MUDSTONE, tan.  
50% MUDSTONE, tan.

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48.00 - 51.00	MUDSTONE, tan.
51.00 - 54.00	SANDSTONE, light grey, fine to medium grained, quartz feldspathic.
54.00 - 55.00	CLAYSTONE, cream.
55.00 - 56.00	50% MUDSTONE, tan. 30% CARBONACEOUS MUDSTONE, light to medium brown. 20% COAL.
56.00 - 58.00	MUDSTONE, grey.
58.00 - 59.00	70% MUDSTONE, grey. 30% COAL.
59.00 - 61.00	MUDSTONE, grey.
61.00 - 62.00	SANDSTONE, grey, fine grained, feldspatho-lithic (<80% atz, felds>rf.).
62.00 - 73.00	SANDSTONE, light grey, fine to medium grained, feldspathic (predom. feldspar fragments).
73.00 - 74.00	50% SANDSTONE, light grey, fine to medium grained, feldspathic (predom. feldspar fragments). 50% COAL.
74.00 - 78.00	SANDSTONE, grey, fine to medium grained, feldspatho-lithic (<80% atz, felds>rf.).
78.00 - 88.00	MUDSTONE, grey, some arenaceous phillite.
88.00 - 90.00	MUDSTONE, dark grey.
90.00 - 97.00	50% MUDSTONE, grey, some claystone bands. 50% SANDSTONE, grey, fine to medium grained, feldspatho-lithic (<80% atz, felds>rf.).
BLADES	
97.00 - 120.00	70% SANDSTONE, grey, fine to medium grained, feldspatho-lithic (<80% atz, felds>rf.). 30% MUDSTONE, grey.
120.00 - 132.00	SANDSTONE, light grey, fine to medium grained, litho-feldspathic (<80% atz, rf>felds) minor coaly fragments.
132.00 - 133.00	SANDSTONE, light greyish-brown, fine to medium grained, litho-feldspathic (<80% atz, rf>felds).

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 FROM TO LITHOLOGY  
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133.00 - 173.00	SANDSTONE, light grey, fine to medium grained, lithic (predominately rock fragments).
173.00 - 174.00	MUDSTONE, grey.
174.00 - 176.00	SANDSTONE, grey, fine to medium grained, litho-feldspathic (<80% atz, rf>felds).
176.00 - 178.00	CARBONACEOUS MUDSTONE, dark brownish-black, some coaly fragments.
178.00 - 195.00	SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% atz, felds)rf.).
195.00 - 196.00	MUDSTONE, dark brown, some coaly fragments.
196.00 - 251.00	SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% atz, felds)rf.), occasional brown iron oxide fragments.
251.00 - 289.00	SANDSTONE, light grey, fine to medium grained, quartz feldspathic.
289.00 - 303.00	SANDSTONE, light grey, fine grained, feldspatho-lithic (<80% atz, felds)rf.).
303.00 - 321.00	SANDSTONE, light grey, fine grained, litho-feldspathic (<80% atz, rf>felds).
321.00	***** TOTAL DEPTH *****