

022

585023

APR 83

Page: 1

HOLE NUMBER : CA 114
DATA SOURCE : Marathon Pet. Aust, Ltd
LOGGER : Sharon Carr
Date commenced : 08 Nov 82
Date completed : 11 Nov 82

LOCATION:

NORTHING : 5187124.00
EASTING : 491807.00
ELEVATION : 66.00m

DRILLING:

CONTRACTOR : Rockdril Contractors
DRILL TYPE : Rotary-percussion
HOLE SIZE :
CORE SIZE :
TOTAL DEPTH : 235.00m

GEOPHYSICAL:

CONTRACTOR : BFB Instruments
PROBE DEPTH : 224.00m
LOGS RUN : Natural Gamma
Long Spaced Density
Caliper
Resistivity
Bed Resolution Density
High Resolution Density

023

12 Apr 83

Drillhole CA114

Page: 2

FROM TO LITHOLOGY

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

BLADES

0.00 - 6.00 SANDSTONE, yellowish-cream, argillaceous, moderately weathered.

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

6.00 - 7.00 SANDSTONE, yellowish-brown, argillaceous with some coaly fragments, slightly weathered.

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

7.00 - 8.00 85% SANDSTONE, tannish-brown, fine grained, feldspatho-lithic (<80% Qtz, felds>rf.), unweathered. 15% COAL, unweathered.

8.00 - 9.00 SANDSTONE, light grey, fine grained, feldspatho-lithic (<80% Qtz, felds>rf.) with some coaly fragments.

9.00 - 14.00 SANDSTONE, light grey, fine grained, feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular argillaceous matrix.

14.00 - 22.00 50% SANDSTONE, grey, very fine grained, argillaceous. 50% MUDSTONE, grey.

HAMMER

22.00 - 23.00 COAL.

23.00 - 24.00 50% COAL. 50% MUDSTONE, grey.

24.00 - 25.00 50% MUDSTONE, grey. 45% SILTSTONE, grey. 5% COAL.

25.00 - 30.00 50% SANDSTONE, light grey, very fine grained. 50% SILTSTONE, grey.

30.00 - 38.00 SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular argillaceous matrix.

38.00 - 40.00 95% SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular argillaceous matrix. 5% COAL.

40.00 - 42.00 SANDSTONE, light grey, fine to medium grained, feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular argillaceous matrix.

12 Apr 83

Drillhole CA114

Page: 3

 FROM TO LITHOLOGY

- 42.00 - 45.00 COAL.
- 45.00 - 46.00 SANDSTONE, brown, very fine grained, silty
arsillaceous matrix.
- 46.00 - 49.00 SANDSTONE, light grey, fine to medium grained,
feldspatho-lithic (<80% Qtz, felds>rf.) sub-angular
arsillaceous matrix.
- BLADES
- 49.00 - 54.00 SANDSTONE, light greenish-grey, fine to medium grained,
feldspatho-lithic (<80% Qtz, felds>rf.)
arsillaceous matrix sub-rounded.
- 54.00 - 55.00 60% COAL.
40% SANDSTONE, light greenish-grey,
fine to medium grained,
feldspatho-lithic (<80% Qtz, felds>rf.)
arsillaceous matrix sub-rounded.
- 55.00 - 57.00 SILTSTONE, greenish-grey, arenaceous with
arsillaceous matrix some carbonaceous fragments.
- 57.00 - 60.00 SILTSTONE, greyish-green, arsillaceous matrix.
- 60.00 - 61.00 50% CLAYSTONE, greyish-green.
45% SILTSTONE, dark grey.
5% COAL.
- 61.00 - 62.00 70% COAL.
30% CLAYSTONE, greyish-green.
- 62.00 - 63.00 COAL.
- 63.00 - 64.00 40% COAL.
40% CLAYSTONE, tan.
20% MUDSTONE, dark grey, silty and carbonaceous.
- 64.00 - 65.00 75% MUDSTONE, brown, arenaceous.
25% COAL.
- 65.00 - 69.00 SILTSTONE, grey.
- 69.00 - 70.00 70% SANDSTONE, brown, very fine grained, fragments
arsillaceous matrix.
30% CARBONACEOUS MUDSTONE, blackish-brown, with some
coaly fragments.
- 70.00 - 74.00 SANDSTONE, light grey, fine grained,
feldspatho-lithic (<80% Qtz, felds>rf.)
arsillaceous matrix.

025

585026

12 Apr 83

Drillhole CA114

Page: 4

 FROM TO LITHOLOGY

74.00 - 76.00 75% SANDSTONE, light grey, fine grained,
 feldspatho-lithic (<80% Qtz, felds>rf.)
 argillaceous matrix.
 25% MUDSTONE, greyish-brown.

76.00 - 77.00 45% SANDSTONE, grey, very fine grained, argillaceous.
 55% MUDSTONE, brown, carbonaceous.

77.00 - 78.00 60% MUDSTONE, grey.
 30% CARBONACEOUS MUDSTONE, blackish-brown.
 10% COAL.

78.00 - 84.00 SANDSTONE, light grey, fine grained,
 feldspatho-lithic (<80% Qtz, felds>rf.) argillaceous.

84.00 - 85.00 55% SANDSTONE, light grey, fine grained,
 feldspatho-lithic (<80% Qtz, felds>rf.) argillaceous.
 40% MUDSTONE, with some argillaceous matrix.
 5% COAL.

85.00 - 92.00 SANDSTONE, dark grey, very fine grained.

92.00 - 103.00 SANDSTONE, light grey, fine grained, quartz feldspathic
 argillaceous matrix.

103.00 - 104.00 SANDSTONE, light grey, fine grained, quartz feldspathic
 argillaceous matrix with some coaly fragments.

104.00 - 114.00 SANDSTONE, light grey, fine grained, quartz feldspathic.

114.00 - 116.00 50% SANDSTONE, pale grey, very fine grained,
 quartz feldspathic argillaceous.
 50% MUDSTONE, grey.

116.00 - 142.00 SANDSTONE, light grey, fine to medium grained,
 quartz feldspathic argillaceous.

142.00 - 149.00 SANDSTONE, dark grey, very fine grained, argillaceous.

149.00 - 159.00 SANDSTONE, light grey, fine to medium grained,
 quartz feldspathic argillaceous.

159.00 - 162.00 SANDSTONE, light grey, fine grained,
 quartzose (>90% quartz).

162.00 - 163.00 COAL.

163.00 - 171.00 SANDSTONE, light grey, fine to medium grained,
 quartz lithic argillaceous.

026

585027

12 Apr 83

Drillhole CA114

Page: 5

 FROM TO LITHOLOGY

171.00 - 180.00	SANDSTONE, light grey, fine to medium grained, quartz lithic.
180.00 - 235.00	SANDSTONE, light grey, fine grained, quartz lithic argillaceous sub-rounded.
235.00	***** TOTAL DEPTH *****