

1 Apr 83

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HOLE NUMBER : CA 116
DATA SOURCE : Marathon Pet. Aust, Ltd
LOGGER : Sharon Carr
Date commenced : 15 Nov 82
Date completed : 17 Nov 82

LOCATION:

NORTHING : 5187484.00
EASTING : 492511.00
ELEVATION : 42.50m

DRILLING:

CONTRACTOR : Rockdril Contractors
DRILL TYPE : Rotary-percussion
HOLE SIZE :
CORE SIZE :
TOTAL DEPTH : 230.00m

GEOPHYSICAL:

CONTRACTOR : BFB Instruments
PROBE DEPTH : 230.00m
LOGS RUN : Natural Gamma
Long Spaced Density
Caliper
Resistivity
Sonic
Neutron

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FROM TO LITHOLOGY

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

BLADES

0.00 - 3.00

SOIL, tan, argillaceous and arenaceous, highly weathered.

HAMMER

3.00 - 17.00

SANDSTONE, light grey, fine to medium grained,
quartzose (>90% quartz)
litho-feldspathic (<80% qtz, rf>felds) minor
argillaceous matrix with rare coaly wisps and coaly
laminae, slightly weathered, occasional
heavy mineral(not identified).
Rock fragments are subangular and
Quartz grains are subrounded

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

17.00 - 30.00

SANDSTONE, light grey, fine to medium grained,
quartzose (>90% quartz)
litho-feldspathic (<80% qtz, rf>felds)
argillaceous matrix with some thin mudstone bands
and rare coaly laminae.

30.00 - 33.00

75% SANDSTONE, light grey, fine grained,
quartzose (>90% quartz)
litho-feldspathic (<80% qtz, rf>felds)
argillaceous matrix, slight brown iron oxide
stainings.
20% MUDSTONE, light grey.
5% SANDSTONE, dark green, moderate chlorite stainings.

30.00 - 61.00

SANDSTONE, light grey, fine to medium grained,
quartzose (>90% quartz)
litho-feldspathic (<80% qtz, rf>felds)
argillaceous matrix with thin mudstone bands and
rare coaly wisps and coaly laminae
throughout interval.

61.00 - 62.00

30% COAL.
30% CARBONACEOUS MUDSTONE, blackish-grey.
40% SANDSTONE, light grey, fine to medium grained.

62.00 - 110.00

SANDSTONE, with some thin mudstone bands and rare coaly
laminae.

110.00 - 111.00

70% SANDSTONE, light grey, fine grained.
30% MUDSTONE, dark blackish-grey, slightly carbonaceous.

111.00 - 113.00

70% SANDSTONE, light grey, fine to medium grained.
30% MUDSTONE.

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 FROM TO LITHOLOGY

113.00 - 122.00	SANDSTONE, light grey, fine to medium grained, with some thin mudstone bands throughout interval.
122.00 - 124.00	60% SANDSTONE, light grey, fine to medium grained. 40% MUDSTONE, light grey.
124.00 - 129.00	SANDSTONE, with some thin mudstone bands throughout interval.
129.00 - 130.00	85% SANDSTONE, light grey, fine to medium grained, abundant pyrite fragments. 10% MUDSTONE, light grey. 5% COAL.
130.00 - 131.00	SANDSTONE, light grey, fine to medium grained, with some coaly fragments.
131.00 - 132.00	50% MUDSTONE, light grey. 30% SANDSTONE, light grey. 20% COAL, brownish-black.
132.00 - 133.00	60% SANDSTONE. 40% MUDSTONE, light grey.
133.00 - 134.00	40% SANDSTONE, brownish-grey, slightly carbonaceous argillaceous. 40% MUDSTONE, brownish-grey. 15% CARBONACEOUS MUDSTONE, blackish-brown. 5% COAL.
134.00 - 135.00	60% SANDSTONE, light grey, fine grained. 40% MUDSTONE, grey.
135.00 - 194.00	SANDSTONE, light grey, fine to medium grained, quartzose (>90% quartz) litho-feldspathic (<80% Qtz, rf>felds) argillaceous matrix with some thin mudstone bands.
194.00 - 196.00	35% SANDSTONE, light grey, fine to medium grained. 35% MUDSTONE, grey, slightly carbonaceous.
196.00 - 197.00	55% COAL. 45% MUDSTONE, grey, feldspatho-lithic (<80% Qtz, felds>rf.).
196.00 - 200.00	MUDSTONE, grey, silty.
200.00 - 220.00	SANDSTONE, light grey, fine to medium grained, quartzose (>90% quartz) litho-feldspathic (<80% Qtz, rf>felds) argillaceous matrix with some thin mudstone bands.

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 FROM TO LITHOLOGY

220.00 - 223.00 90% MUDSTONE, dark grey.
 10% MUDSTONE, greyish-black, slightly carbonaceous.

223.00 - 227.00 MUDSTONE, grey.

227.00 - 230.00 SANDSTONE, light grey, fine grained,
 quartzose (>90% quartz)
 litho-feldspathic (<80% qtz, rf)felds)
 argillaceous matrix.

230.00 ***** TOTAL DEPTH *****