ENCLOSURE 3

PALM VALLEY NO. 2

SAMPLE LOG

Field or Area : PALM VALLEY

Co-ordinates : 24°00'03" SOUTH
132°36'47" EAST

Lease or Concession : O.P. 43

Location : AMADEUS BASIN

State : NORTHERN TERRITORY

Operator : MAGELLAN PETROLEUM (N.T) PTY LTD.

Contractor : DIL DRILLING AND EXPLORATION (N.T) PTY LTD.

Logged by : R.A.WAGEE
J.MORRIS

Date Spudded : 21-12-69

T.D.'d : 2-2-70

Rig Status : SHUT-IN GAS WELL

K.B. : 3,003'

GRD : 2,990'

T.D.(Driller) : 8,005'

FORMATION TOPS FROM WIRELINE LOGS

FORMATION	DEPTH (RAF KB)	SUBSEA DEPTH	THICKNESS
HORNSBRUNDA SANDSTONE	Surface	+ 3,000'	1,210' +
MANGA DOLTONITE	1,210'	+ 1,790'	89'
MERENIE SANDSTONE	1,299'	+ 1,704'	4,4-1'
STERNS DOLTONITE	4,298'	+ 1,295'	1,-1'
ETHERIDGE SANDSTONE	5,5-9'	+ 1,-9'	999'
GOYDER ANALCITE DOLTONITE	6,188'	- 3,1-1'	3010'
PACOOTA SANDSTONE	9,198'	- 6,195'	1' +

ROCK TYPES

Conglomerate	Sandstone	Siltstone	Mudstone
Arkosic	Shale	Dolomite	Limestone
Dolomite	Chert	Anhydrite	Gypsum
Salt	Coal	Igneous	Metamorphic
Basement	Pyrite	Glauconite	

ACCESSORIES

Glauconite	Pyrite	Carbonaceous	Mica
Chert	Phosphate	Fossils	Calcite

COLUMN 2

ROCKTYPE / TYPE

1 Conglomerate

2 Fractured

COLUMN 4

DETAILED GRAPHIC LITHOLOGY
ONE OF MULTIPLE ACCESSORY SYMBOLS
FOR A FIRST NATURAL MULTIPLE ACCESSORIES %

(a) 1 to 5 %, reasonable (1% optimum)
(b) 5 to 10 %, reasonable (7% optimum)
(c) 10 to 20 %, reasonable (15% optimum)
(d) 20 to 30 %, reasonable (25% optimum)
(e) 30 to 40 %, reasonable (35% optimum)
(f) 40 to 50 %, reasonable (45% optimum)
(g) 50 to 60 %, reasonable (55% optimum)
(h) 60 to 70 %, reasonable (65% optimum)

Coarse Fractions
(>1 mm) 10 mm

COLUMN 6

HARDNESS OF NON-CALC CLASTICS

A Friable

B Indurated

C Intermediate

D Hardened

COLUMN 7

SORTING OF NON-CALC CLASTICS

A Poorly sorted (>1 Phi grades)

B Moderate sorted (1-1 Phi grades)

C Well sorted (<1 Phi grades)

COLUMN 8

PERCENT OF FRAMEWORK

0 0 %
1 1 %
2 2 %
3 3 %
4 4 %
5 5 %
6 6 %
7 7 %
8 8 %
9 9 %
10 10 %
11 11 %
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14 14 %
15 15 %
16 16 %
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90 90 %
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93 93 %
94 94 %
95 95 %
96 96 %
97 97 %
98 98 %
99 99 %
100 100 %

(* indicates, not counted)

COLUMN 9

CEMENTING DATA

Closing cast iron cone closing

Cone closed

Formation test

Perforated

Cemented

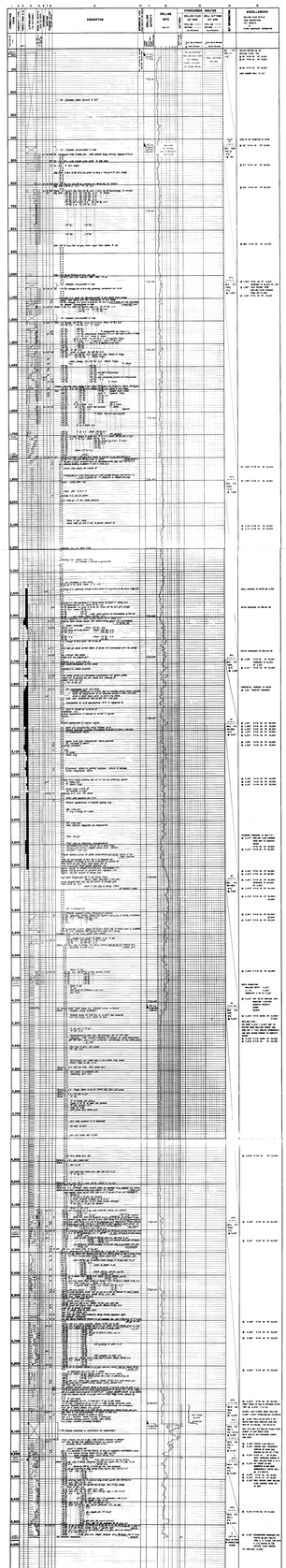
COLUMN 10

COLUMN 13

Dol. slow, slight

Dol. slow, strong

Dol. slow, slight

Dol. slow, strong

Dol. and Calc. slow