

PR09/08

NORTHWEST MEREENIE NO. 1

SAMPLE LOG

NORTHERN TERRITORY
GEOLOGICAL SURVEY

Field or Area: **MEREENIE**
Co-ordinates: **23° 53' 22" SOUTH**
131° 22' 27" EAST
Lease or Concession: **O.P. 56**
Location: **AMADEUS BASIN**
State: **NORTHERN TERRITORY**

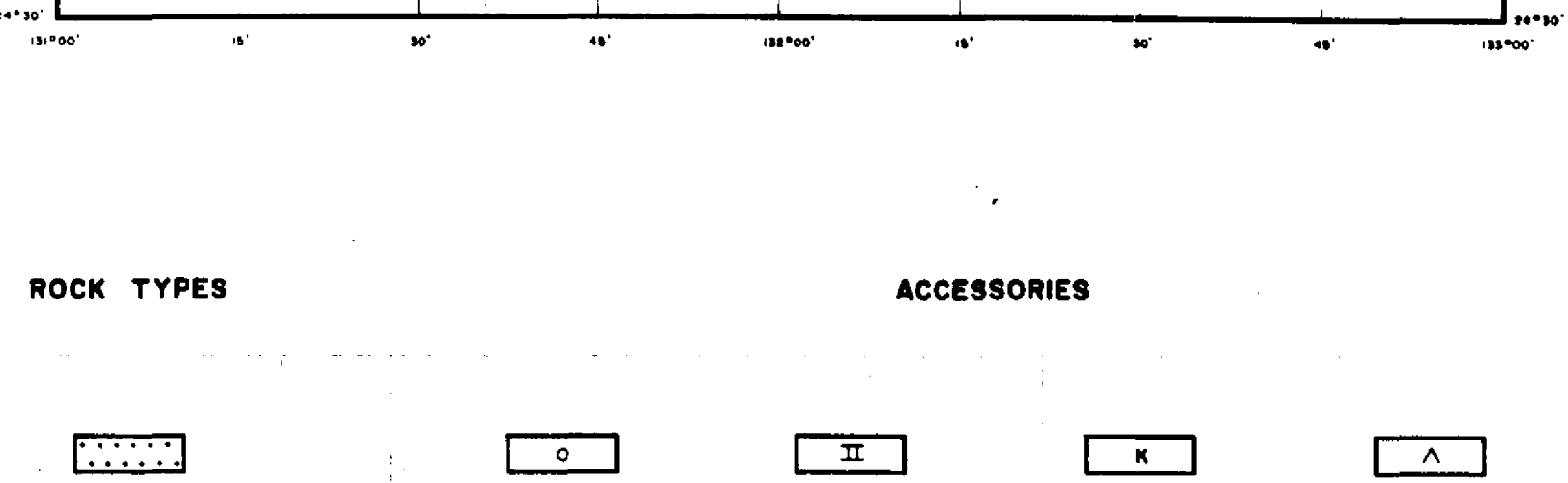
Operator: **MAGELLAN PETROLEUM (N.T.) PTY. LTD.**
Contractor: **OIL DRILLING AND EXPLORATION (N.T.) PTY. LTD.**

Logged by: **L. G. PEARCE**

Date Spudded: **11-7-69** KB: **2,402'**
TD: **4-8-69** GRD: **2,385'**
Well Status: **ABANDONED** TD (Driller): **5000'**

FORMATION TOPS FROM WIRELINE LOGS

FORMATION	DEPTH (Ref: KB)	SUBSEA DEPTH	THICKNESS
MEREENIE SANDSTONE	Surface	+ 2,385'	1,750' ±
STOKES SILTSTONE	1,760'	+ 652'	1,901'
STAIRWAY SANDSTONE	2,943'	- 541'	901'
HORN VALLEY SILTSTONE	3,844'	- 1,442'	366'
PACOOTTA SANDSTONE (P1)	4,810'	- 1,808'	288'
(P2)	4,498'	- 2,038'	230'
(P3)	4,728'	- 2,328'	272' ±



ROCK TYPES

ACCESSORIES

COLUMN 2

POROSIITY TYPES

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COLUMN 4

DETAILED GRAPHIC LITHOLOGY

USE OF MULTIPLE ACCESSORY SYMBOLS
PER 10 FOOT INTERVAL REFLECTS OBSERVABLE %

	0 to 5% dolomite (no symbols)
	5 to 20% dolomite (1 symbol)
	20 to 40% dolomite (2 symbols)
	40 to 50% dolomite (3 symbols)
	40 to 50% limestone (3 symbols)
	20 to 40% limestone (2 symbols)
	5 to 20% limestone (1 symbol)
	0 to 5% limestone (no symbol)

COLUMN 6

ROUNDING OF NON-CALC CLASTICS

	Angular
	Subangular
	Subrounded
	Rounded

COLUMN 7

SORTING OF NON-CALC CLASTICS

	Poorly sorted (> 5 size grades)
	Medium sorted (3-5 size grades)
	Well sorted (< 3 size grades)

COLUMN 8

PERCENT OF FRAMEWORK

0	0 to 5%
1	5 to 15%
2	15 to 25%
3	25 to 35%
4	35 to 45%
5	45 to 55%
6	55 to 65%
7	65 to 75%
8	75 to 85%
9	85 to 95%
10	95 to 100%
?	Interpretive, very uncertain

COLUMN 11

ENGINEERING DATA

	Coarsest sand and size casing
	Cased interval

COLUMN 13

	Gas show, slight
	Gas show, strong
	Oil show, slight
	Oil show, strong
	Oil and Gas show

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FORMATION TYPE	IDENTITY	IDENTITY	IDENTITY	IDENTITY	IDENTITY	IDENTITY	IDENTITY	DESCRIPTION	PERCENT OF FRAMEWORK	PERCENT OF FRAMEWORK	PERCENT OF FRAMEWORK	PERCENT OF FRAMEWORK	PERCENT OF FRAMEWORK	PERCENT OF FRAMEWORK
100								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
200								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
300								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
400								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
500								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
600								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
700								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
800								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
900								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1000								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1100								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1200								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1300								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1400								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1500								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1600								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1700								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1800								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
1900								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2000								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2100								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2200								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2300								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2400								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2500								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2600								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2700								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2800								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
2900								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3000								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3100								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3200								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3300								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3400								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3500								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3600								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3700								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3800								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
3900								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4000								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4100								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4200								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4300								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4400								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4500								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4600								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4700								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4800								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
4900								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0
5000								100% sandstone, 0% siltstone, 0% shale, 0% limestone, 0% dolomite	0	0	0	0	0	0