

Pacific Oil & Gas Pty. Limited

McMANUS-1

EP 24

MCARTHUR BASIN, NORTHERN TERRITORY

WELL COMPLETION REPORT

ONSHORE

AUTHOR: K.P. Lanigan and I.McM. Ledlie
DATE: July 1990
SUBMITTED BY: *K.P. Lanigan*
ACCEPTED BY: *I.McM. Ledlie*
COPIES TO: N.T. Department of Mines & Energy
CIS, Canberra
Pacific Oil & Gas Pty Ltd., Box Hill
Pacific Oil & Gas Pty Ltd., Alice Springs

"The contents of this report remain the property of Pacific Oil & Gas Pty. Limited and may not be published in whole or in part nor used in a company prospectus without the written consent of the Company."

CRAE REPORT NO. 303795

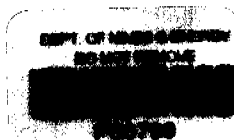


TABLE OF CONTENTS

Sect.

Page No.

LIST OF ATTACHMENTS

LIST OF PLANS

WELL SUMMARY

1

SECTION 1 ENGINEERING DATA

1.1	Engineering Summary	1	2
1.2	General Data	3	3
1.3	Drilling Rig	4	4
1.4	Hole Sizes and Depths	11	4
1.5	Casing & Cementing	11	4
1.6	Drilling Mud	11	4
1.7	Water Supply	13	4
1.8	Bit & Deviation Record	13	4
	1.8.1 Drilling Bits	13	4
	1.8.2 Deviation	13	4
1.9	Fishing and Related Operations	13	4
1.10	Formation Testing	14	5
1.11	Time Distribution	14	6
1.12	Well Costs	14	6.

SECTION 2 GEOLOGICAL DATA

2.1	Geological Summary	16	7
2.2	Well Objectives & Performance	19	9
2.3	Stratigraphy	19	10
2.4	Mud Logging	21	11
2.5	Wireline Logging	21	11
2.6	Formation Sampling	22	12
	2.6.1 Ditch Cuttings	22	12
	2.6.2 Slimhole Core	22	12
2.7	Hydrocarbon Shows	23	13
2.8	Source Rock Geochemistry	24	14
2.9	Core Analysis	24	15
2.10	Magnetic Susceptibility	24	16
2.11	Contributions to Geological Knowledge	24	17

KEYWORDS 26 19

LOCATION 26 19

LIST OF DEO'S 26 19

LIST OF ATTACHMENTS

Sect.

LIST OF TABLES

Page No

1.	Bit Summary	12	4
2.	Deviation Survey Record	13	4
3.	Well Costs	14	5
4.	Actual Vs Prognosed Formation Tops	18	8
5.	Wireline Logs	22	11
6.	Core Analysis		18

LIST OF FIGURES

1.	Location Map	2	3
2.	Time Depth Curve	15	6
3.	Stratigraphic Column	17	8

APPENDIX

1.	Drilling Summary		20
2.	Drilling Fluid Summary		21
3.	Drill Stem Test Report		22-24
4.	Time Distribution		25
5.	Core Description		26
6.	Source Rock Geochemistry		27

ENCLOSURES

1.	Exlog Mud Log		28
2.	Magnetic Susceptibility Log		29
3.	Composite Well Log		30
4.	Well Velocity Survey Report		31-34
5.	Gamma, S.P. Log		35
6.	Gamma, Caliper, Density Log		36
7.	Compensated Neutron Log		36
8.	Sonic Log		37
9.	Deep Guard Resistivity Log		38
10.	Magnetic Susceptibility Log		39
11.	Short Guard Resistivity Log		40

LIST OF PLANS

Sect.

<u>Plan No.</u>	<u>Title</u>	<u>Scale</u>	
Pet NT cw 4221	Location Map	1:3 million	3
Pet NT cw 4203	Time-Depth Curve McManus-1	1:5,000	6
Pet NT cw 4241	Stratigraphic Column		8
Pet NT cw 4240	Composite Well Log	1:1000	30
Pet NT cw 4201	Magnetic Susceptibility Log	1:500	29