PACIFIC OIL & GAS PTY LIMITED

WELL SUMMARY

Well: McMANUS-1

PACIFIC OIL & GAS PTY LIMITED Status: Plugged and Abandoned Operator:

Hole Size: 124" to 86.0m Participants: PACIFIC OIL & GAS P/L 100%

84" to 131.0m

6 " to 272.0m EP 24 Tenement: 4 1/3" to 1617.25m

Location: Lat: 15° 55' 18'.6" South Casing & Tubing Details: Long: 133' 37'46.53" East 10" PVC Conductor set at 64.5m

7" surface casing set at 128.4m Maryfield 1:100 000 Sheet 5" intermediate casing set at 270.8m AMG: 353306.9 East

8239350.9 North

Basin: McArthur Basin Perforations: Nil Elevation: G.L.: 189.53m amsl

D.F.: 192.03m amsl Spudded: 28th September, 1989

1136m - 1370m Rig Released: 18th November, 1989 Plugs:

302m - 242m Rig 20 Rig: 45m - Surface

Drilling Contractor: ROCKDRIL Contractors

Stratigraphy:

AGE	UNIT AND SUBUNIT	GL (m)	MSL (m)	THICKNESS (m)
	Precollared hole (not logged 0-86m)			
Cretaceous	Undifferentiated	0	+189.5	12
Cambrian	Tindall Limestone	-12	+177.5	114
	Nutwood Downs Volcanics	-126	+63.5	138
	Cox Formation	-264	-74.5	203.3
	Bukalara Sandstone	-467.3	-277.8	85.6
Proterozoic	McMinn Fm., Kyalla Member	-552. 9	-363.4	115.1
	, Moroak Sandstone Member	-668	-478.5	70.2
	Upper Velkerri Formation	-738.2	-548.7	460.8
	Middle Velkerri Formation	-1199	-1009.5	350.7
	Lower Velkerri Formation	-1549.7	-1360.2	>67.6
	Total Depth (Driller)	-1617.25	-1427.72	
	Total Depth (Logger)	-1617.40	-1427.9	

Formation Tests				Choke: N/A												
TEST	Ţ-,	TIMES (min)				PRESSURES (psi)								DECLT DO		
	PF	FSI	F	SSI	IHH	IPP	FPP	BP	IFP	FFP	FBP	FHH	RESULTS			
DST #1 1171.46 - 1319.9m Velkerri Formation	07	68	151	304	13545 13543 NB: 5	1634 3094	1680 3106 3107 misrur	2284 3712 3712 a due	2125 3675 3675	2894 4303 4303	3170 4715 -	12112 12014 13563	mud	(113.	7m ir	Ď.C.

LOGS:

CORES:

Type Log	Run No.	Interval (m)	Date	No	Interval (ft)	Recovery	No	Interval (ft)	Recovery
Gamma, SP	1	266.9- 1617.4	14.11.89						
Gamma, Caliper, Density	2		14.11.89	1					1
Compensated Neutron	3	1	14.11.89	1			•		1
Sonic			14.11.89	1					i
Deep Guard Resistivity	5		14.11.89	1	1				·
Magnetic Suscept- ability	1 1		14.11.89	1	1		Ţ ,		
Short Guard Resistivity		[1	15.11.89	1			1		1
Dipmeter		failed	1	` <u></u>	1	'	(1

Chemical Analysis (water, oil, gas)

NIL

Summary & Conclusions:

McManus-1 commenced with a precollared 12 1/4" hole to 84.0 metres which was cased with 10" FVC Conductor to 64.5 metres. Drilling operations by Rockdril Rig 20 commenced at McManus-1 on September 28th, 1989 with the reaming of an 8%" hole down to 86 metres. Then drilling continued with an 8%" hammer to 131 metres, with 7" casing set at 128.4 metres. Beyond this a 6" hammer drilled to 272 metres and 5" casing set to 270.8 metres. Using a CHD 101 core assembly the hole was drilled to a depth of 1617.25m, with a Formation Integrity Test conducted at 275m and a Drill Stem Test run at 1319.95m (which did not flow).

After being spudded in undifferentiated Cretaceous sediments the well penetrated the Tindall Limestone, Nutwood Downs Volcanics, Cox Formation and Bukalara Sandstone, all of Cambrian age. Below this the Proterozoic McMinn Formation (Kyalla and Moroak Sandstone Members), and an extensive interval of the Velkerri Formation were intersected above the total depth of 1617.25m. Good to excellent, mature source rocks were observed in the middle and lower most Velkerri section with scattered traces of hydrocarbons throught much of this formation.

A comprehensive suite of wireline logs were run and the well was plugged and abandoned, releasing the rig on November 18, 1989.

WELLSITE Ian Ledlie &	CARD PREPARED	APPROVED	DATE:
GEOLOGIST: Griff Weste	BY: .K.P. Lanigan	BY:	