

PACIFIC OIL & GAS PTY LIMITED

WELL SUMMARY

Well: WALTON-1

Status: Plugged and Abandoned	Operator: PACIFIC OIL & GAS PTY LIMITED
Hole Size: 12 $\frac{1}{2}$ to 6.2m 8 $\frac{1}{2}$ to 58.9m	Participants: PACIFIC OIL & GAS P/L 100%
Casing & Tubing Details: 9 5/8" to 6.2m	Tenement: EP 24
Perforations: Nil	Location: Lat. 15 $^{\circ}$ 54' 31.8" South Long. 133 $^{\circ}$ 38' 35.3" East Maryfield 1:100,000 Sheet AMG: 354746.2 East 8240787.9 North
Plugs: 10 metres to surface	Basin: McArthur Basin Elevation: 192.0 metres amsl Spudded: August 6, 1989 Rig Released: August 11, 1989 Rig: Rig 20
	Drilling Contractor: ROCKDRIL Contractors

Stratigraphy:

AGE	UNIT AND SUBUNIT	GL (m)	MSL (m)	THICKNESS (m)
Cretaceous	Laterite	0	192.0	12
	Shale	12	180.0	18
Cambrian	Tindall Limestone	30	162.0	28.9
	Total Depth (Driller) (m)	58.9		
	Total Depth (Logger) (m)	N/A		

Formation Tests: Nil	Choke: N/A												
TEST	TIMES (min)				PRESSURES (psi)								RESULTS
	PF	FSI	F	SSI	IHH	IPP	FFP	BP	IFP	FFP	FBP	FHH	

PF: Preflow period IHH: Initial Hydrostatic Head IFP: Initial Flow Pressure
 FSI: First Sheet In IPP: Initial Preflow Pressure FFP: Final Flow Pressure
 F: Flow Period FFP: Final Preflow Pressure FBP: Final Build Up Pressure
 SSI: Second Sheet In BP: Build Up Pressure FHH: Hydrostatic Head

LOGS:

CORES:

Type Log	Run No.	Interval (m)	Date	No	Interval (ft)	Recovery	No	Interval (ft)	Recovery
NIL									

Chemical Analysis (water, oil, gas)

Nil

Summary & Conclusions:

Drilling operations at Walton-1 by Rockdril Rig 20 commenced on August 6, 1989 with the drilling of a 12 1/4" top hole to 6.2 metres in which a six metre pipe was cemented. Beyond this an 8 1/2" hole was drilled, but circulation was lost at 42m and the pipe became stuck at 58.9m at 1600 hours on August 8, resulting in abandonment at 1500 hours on August 11.

The rig was then skidded ten metres south to drill Walton-2.

WELLSITE
GEOLOGIST:

CARD PREPARED
BY: .K.P. Lanigan.....

APPROVED
BY:

DATE:
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PACIFIC OIL & GAS PTY LIMITED

WELL SUMMARY

Well: WALTON-2

Status:	Plugged and Abandoned	Operator:	PACIFIC OIL & GAS PTY LIMITED
Hole Size:	12 1/2" to 7.47m 8 1/2" to 50.4m 8" to 96m 4.3" to 1014.45m (T.D.)	Participants:	PACIFIC OIL & GAS P/L 100%
Casing & Tubing Details:	9 5/8" to 7.47m 7" to 50.4m 5" to 191.6m	Tenement:	EP 24
Perforations:	Nil	Location:	Lat. 15° 54' 31.8" South Long. 133° 38' 35.3" East Maryfield 1:100,000 Sheet AMG: 354746.2 East 8240797.9 North
Plugs:	45m to Surface 242m to 142m	Basin:	McArthur Basin
		Elevation:	192.0 metres amsl
		Spudded:	1430 Hrs, August 13, 1989
		Rig Released:	2000 Hrs, September 24, 1989
		Rig:	Rig 20
		Drilling Contractor:	ROCKDRIL Contractors

Stratigraphy:

AGE	UNIT AND SUBUNIT	GL (m)	MSL (m)	THICKNESS (m)
Cretaceous	Undifferentiated	Surface	192.0	36.0
	Tindall Limestone	36.0	156.0	50.0
	Nutwood Downs Volcanics	86.0	106.0	112.2
Cambrian	Bukalara Sandstone	198.2	-6.2	61.4
	Middle Velkerri Formation	259.6	-67.6	295.9
	Lower Velkerri Formation	555.5	-363.5	106.6
	Dolerite Sill	662.1	-470.1	4.2
	Lower Velkerri Formation	666.3	-474.3	177.7
	Dolerite Sill	844.0	-652.0	108.8
	Lower Velkerri Formation	952.8	-760.8	16.9
	Bessie Creek Sandstone	969.7	-777.7	44.75
	Total Depth (Driller) (m)	1014.45	-822.45	
	Total Depth (Logger) (m)	1019.2	-827.2	

Formation Tests: Nil

Choke: N/A

TEST	TIMES (min)				PRESSURES (psi)								RESULTS
	PF	FSI	F	SSI	IHH	IPP	FPP	BP	IFP	FFP	FBP	FHH	
DST #1 755.86-778.50m	8	45	483	900	7881	105	197	2965	137	317	5918	7879	15m rat hole mud.
					7925	152	248	3054	166	365	5852	7915	
DST #2 755-86-778.50m	8	45	577	480	7862	56	78	1870	50	79	4280	7868	7.5 litres rat hole mud slightly oil cut
					7912	201	98	1928	87	99	4391	7968	

PF: Preflow period
FSI: First Sheet In
F: Flow Period
SSI: Second Sheet In

IHH: Initial Hydrostatic Head
IPP: Initial Preflow Pressure
FPP: Final Preflow Pressure
BP: Build Up Pressure

IFP: Initial Flow Pressure
FFP: Final Flow Pressure
FBP: Final Build Up Pressure
FHH: Hydrostatic Head

LOGS:

CORES:

Type Log	Run No.	Interval (m)	Date	No	Interval (ft)	Recovery	No	Interval (ft)	Recovery
Gamma, S.P., Temp.	1	17.6-1019.2	22.09.89						
Gamma, Caliper, Density	2	182-1017	22.09.89						
Gamma, Neutron, Resistivity	3	145-1017.4	22.09.89						
Sonic	4	158.70-1015.50	22.09.89						
Magnetic Susceptibility	5	17.5-1019.2	22.09.89						
Dual Porosity	6	145-1017.6	22.09.90						

Chemical Analysis (water, oil, gas)

NIL

Summary & Conclusions:

After skidding the rig ten metres to the south of Walton-1, Walton-2 was spudded at 1430 hours on August 13, 1989 with a 12 1/4" top hole in which a 9 5/8" conductor pipe was cemented at 7.47 metres. Below this an 8 1/2" hole was drilled with mud, losing circulation at 39m. After cementing, the hole continued to 50.4m without returns, where 7" casing was set, followed by 5" casing down to 191.6 metres, beyond which the hole was cored using the CHD101 core assembly.

Beneath the surficial Cretaceous sediments the well penetrated Tindall Limestone, Nutwood Downs Volcanics and Bukalara Sandstone, all of Cambrian age.

The Proterozoic interval begins below a major unconformity with a truncated Velkerri section containing several thin igneous units, and a thick dolerite sill, as well as good to excellent source rocks with scattered traces of hydrocarbons. At 969.7 metres the primary target Bessie Creek Sandstone was reached and the 45 metres penetrated was non-prospective, so the hole was terminated at a total depth of 1014.45 metres. After running a suite of wireline logs and a velocity survey the well was plugged and abandoned, releasing the rig on September 24, 1989.

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