



# Pacific Oil & Gas Pty Limited

WELL SUMMARY

WELL: BORROWDALE 2

Status: PLUGGED & ABANDONED

Hole Size: 7 7/8 inch to 10m  
103mm reamed out to 5 5/8 inch to 73.5m  
103mm to 614.5m

Casing & Tubing Details: 7 inch conductor to 10m  
5 inch surface casing to 72.65m

Perforations: NIL

Plugs: 530-495 metres  
87-57 metres  
30 metres - surface

Operator: Pacific Oil & Gas Pty Ltd

Participants: Pacific Oil & Gas Pty Ltd 100%

Tenement: EP5 Northern Territory

Location: Lat. 15°7'23.5" S  
Long: 133°48'56.5" E  
Basin: AMG: 372741.99 East 8327698.31 North Zone53  
McArthur Basin

Elevation: GL:124.35m DF:125.84m

Spudded: 1200 Hrs July 7, 1988

Rig Released: 0800 Hrs July 29, 1988

Rig: Modified Mindrill 55 (Longyear 550)

Drilling Contractor: Rockdril Contractors (Rig 18)

### Stratigraphy:

Age	Unit and Subunit	KB (m)	MSL (m)	Thickness (m)
Proterozoic	Upper Velkerri Formation	Surface		46.5
	Middle Velkerri Formation	46.5	-77.85	180.2
	Lower Velkerri Formation	226.70	102.35	207.8
	Dolerite Sill	434.5	310.15	91.97
	Bessie Creek Sandstone	526.47	402.12	61.03
	Corcoran Formation	587.50	463.15	27.4+
<b>Total Depth (Driller) (m)</b>		614.9	490.55	
<b>Total Depth (Logger) (m)</b>				

### Formation Tests:

Choke: N/A

TEST	TIMES (min)				PRESSURES (psi)								RESULT
	PF	FSI	F	SSI	IHH	IPP	FPP	BP	IFP	FFP	FBP	FHH	
DST #1 519.84-547 metres	10	60	240	360	786.7	81.7	87.5	744.2	118.3	559.8	740.3	773.2	360m water muddy at top.
					788.1	90.4	94.1	741.6	131.9	558.5	740.7	774.2	

PF: Prewell Period

FSI: First Sheet In

F: Flow Period

SSI: Second Sheet In

IHH: Initial Hydrostatic Head

IPP: Initial Prewell Pressure

FPP: Final Prewell 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 (m)	Recovery	No	Interval (m)	Recovery
<b>SUITE 1</b>									
Spontaneous Potential	1	547-72.65	25/7/88						
Dual focussed Resistivity	2	547-72.65	"						
Gamma Ray, Density	3	547-72.65 Gr to Surface	"						
Caliper, Neutron Porosity	4	547-72.65	"						
Dual Space Sonic	5	547-72.65	"						
<b>SUITE 2</b>									
Spontaneous Potential	1	614-540	27/7/88						
Dual focussed Resistivity	2	614-540	"						
Gamma Ray, Density	3	614-540	28/7/88						
Caliper, Neutron Porosity	4	614-540	"						
Dual Space Sonic	5	614-540	"						

## Chemical Analysis (water, oil, gas)

Five samples from DST #1 were analysed for standard chemical composition parameters and characterization of extractable organic matter (E.O.M.). E.O.M. ranged from less than ten to a maximum of 252 ppm.

## Summary &amp; Conclusions:

Borrowdale-1 and 2 were drilled in Northern Territory Licence EPS, approximately 80 kilometres east south east of Mataranka. The hole was drilled to test the Bessie Ck. Sst of the upper Roper Group in a large NNW oriented anticline.

Borrowdale-1 was spudded at 1400hrs June 30, 1988 by entering an 82.6m presollar drilled by Bennetts Drilling services. 5" casing was set and cemented at 82.6m and drilling continued to 116.3m where progress was halted by drilling difficulties. Problems with deviation resulted in the hole being abandoned and Borrowdale-2 was spudded after the rig was skidded 3m.

Borrowdale-2 commenced at 1200hrs 7 July, 1988 with a 7-7/8" hole drilled to 10m and 7" casing set and cemented as conductor. The hole was fully cored in 103mm (CHD 101 with 103mm reamer) to 547.0m where the decision was made to run DST #1. This was pulled at 0600hrs 25 July, 1988 with 347.5m of saline water being recovered.

Drilling continued to a T.D. of 614.5m after the previous interval had been logged by B.P.B. Another logging suite was run over the interval 614 - 540m and a 7 level velocity survey was conducted following the logs.

The rig was released at 0800 hrs on 29 July, 1988 after logging had confirmed the decision to plug and abandon the hole.

WELLSITE  
GEOLOGIST : I. LEDLIE

CARD PREPARED  
BY : J. TORKINGTON/I. LEDLIE

APPROVED  
BY : I. LEDLIE

DATE:  
31/5/89



# Pacific Oil & Gas Pty Limited

WELL SUMMARY

WELL: BORROWDALE 1

Status: Plugged and Abandoned

Hole Size: 5 1/2 inch to 82.6 metres  
103mm to 116.3 metres

**Casing & Tubing Details:**

5 inch casing set at 82.6 metres. Cemented to surface with 28 bags Class "A" cement.

**Perforations:**

Nil

Plugs: 30 metres to Surface

Operator: Pacific Oil & Gas Pty Ltd

Participants: Pacific Oil & Gas Pty Ltd 100%

Tenement: EP5 Northern Territory

Location: Lat. 15°7'23.5" S

Long: 133°48'56.5" E

Basin: AMG: 372741.99 East 8327698.31 North  
McArthur Basin Zone 53

Elevation: GL124.35m DF125.84m

Spudded: 1400hrs June 30, 1988

Rig Released: 0100hrs July 7, 1988

Rig: Modified Mindrill 55 (Longyear 550)

Drilling Contractor: Rockdril Contractors (Rig 18)

**Stratigraphy:**

Age	Unit and Subunit	KB (m)	MSL (m)	Thickness (m)
PROTEROZOIC	Upper Velkerri Formation	Surface		46.5
	Middle Velkerri Formation	46.5	-77.85	
		<b>Total Depth (Driller) (m)</b>	116.3	- 8.05
		<b>Total Depth (Logger) (m)</b>	N/A	N/A

Formation Tests: NIL

Choke:

TEST	TIMES (min)				PRESSURES (psi)								RESULT
	PF	FSI	F	SSI	IHH	IPP	FPP	BP	IFP	FFP	FBP	FHH	

PF: Prewflow Period  
 FSI: First Sheet In  
 F: Flow Period  
 SSI: Second Sheet In

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

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

LOGS: NIL

CORES: NIL

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

**Chemical Analysis (water, oil, gas)**

NIL

WATER  
OIL  
GAS

**Summary & Conclusions:**

WELLSITE GEOLOGIST : I. LEDLIE

CARD PREPARED BY : J. TORKINGTON

APPROVED BY :

DATE: