

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation Dakota County San Juan

Initial X Annual Special Date of Test 6-30-64

Company Austral Oil Company Incorporated Lease Huerfano Well No. 6-11

Unit ✓ Sec. 11 Twp. 26N Rge. 9W Purchaser 6585-95 6482-98

Casing 4½ Wt. 10.5# I.D. 4.052 Set at 6704 Perf. 6555-62 To 6472-79

Tubing 2-1/16" Wt. 3.3# I.D. 1.751 Set at 6340 Perf. 6539-49 To 6454-67

Gas Pay: From To L xG 0.65 Est. GL Bar. Press.

Producing Thru: Casing Tubing X Type Well Single-Gas

Date of Completion: 6-23-64 Packer None Reservoir Temp.

Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						2005		2005		
1.										
2.										
3.		0.750	399		79°			1264		3 Hrs.
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wPf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.							
2.							
3.	12.3650		411	0.9822	0.9608	1.038	4978
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.

Gravity of Liquid Hydrocarbons deg.

F_c (1-e^{-s})

Specific Gravity Separator Gas

Specific Gravity Flowing Fluid

P_c P_c²

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-s-s)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.									
2.									
3.	1276					1,628,176	2,440,113		1.6672
4.									
5.									

Absolute Potential: 7303 MCFPD; n .75 1.4670

COMPANY Austral Oil Company Incorporated

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AGENT and TITLE T. A. Dugan, Consulting Engineer

WITNESSED

COMPANY

REMARKS

