

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 6-23-64
Company Austral Oil Company Incorporated Lease Huerfano Well No. 5-10
Unit _____ Sec. 10 Twp. 26N Rge. 9W Purchaser _____
Casing 4 1/2" Wt. 10.5# I.D. 4.052" Set at 6800' Perf. 6420-40 To 6631-44
6521-55 To 6648-63
Tubing 2-1/16" Wt. 3.3# I.D. 1.751 Set at 6406 Perf. 6505-17 To _____
Gas Pay: From _____ To _____ L _____ M .65 est. GL _____ Bar. Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 6-16-64 Packer none Reservoir Temp. _____

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						1978		1980		
1.										
2.		3/4"	360		78°			1143		3 Hrs.
3.										
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.	12.365		372	.9831	.9608	1.035	1497
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ scf/sbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c _____ P_c _____

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 _c	P _c /P _c
1.									
2.									
3.	1155					1,334.025	2,634.039		1.5264
4.									
5.									

Absolute Potential: 6115 MCFPD; n = .75 1.3597
COMPANY Austral Oil Company Incorporated
ADDRESS 300 San Jacinto Building, Houston 2, Texas
AGENT and TITLE T. A. Dugan, Consulting Engineer
WITNESSED _____
COMPANY _____

REMARKS

