

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
NOV 19 1970
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-28-70	
Company Austral Oil Co. Incorporated				Connection Southern Union Gas Company		
Pool Ballard				Formation Pictured Cliffs		Unit
Completion Date 9-16-70		Total Depth 2286'		Plug Back TD 2243'		Elevation 6362.5 GR
Csg. Size 4-1/2	Wt. 9.5	d	Set At 2273	Perforations: From 2199 To 2201		Well No. 1
Tbg. Size 2-3/8	Wt. 4.7	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. 05 8 26N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L	H	Gg est 0.67	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							511		511		
1.											
2.											
3.	3/4			109		67			208		3 hrs.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	12.3650		121	0.9933	0.9463	1.013	1425
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 523	P _c ² 273,529	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.2150}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.180}$
NO.	P _t ²	P _w	P _w ²
1			
2		220	48,400
3			
4			
5			

Absolute Open Flow 1682 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			
Approved By Commission:		Conducted By: Tom Duggan	Calculated By: Tom Duggan
		Checked By: S. Lan dry	