

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-66

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-20-78	
Company Palmer Oil & Gas Co.				Connection		
Pool Los Pinos				Formation Truitland		Unit
Completion Date 1-6-78		Total Depth 3390		Plug Back TD 3327		Elevation 6555 G.L.
Casing Size 5.000		Set At 14 1/2		Perforations: From 3174 To 3279		Well No. 2
Tub. Size 1.315		Set At 1.72		Perforations: From Open To Ended		Unit Sec. Twp. Rge. N 2 31N 7W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3346		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 0		Mean Annual Temp. °F 12 psia (est)		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
FLOW DATA		TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F
SI	14" days					
1.	2 inch	.750	0			
2.						
3.						
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
1	12.3050		0			
2.						
3.						
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	
$P_c = 900$ $P_w^2 = 900.00$				(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ (2) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____		
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0$	
1						
2						
3						
4						
5						
Absolute Open Flow 0				Mcf @ 15.025		Slope, n .85
Initial packer leakage test conducted in conjunction with potential						
Remarks						
Approved By Commission		Conducted By R.F. Ellredge		Calculated By Joe F. Ellredge		Checked By Mr. Don Roberts

