

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.

Revised 7-73

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-14-1978	
Company Palmer Oil and Gas Co.				Connection Northwest Pipeline			
Pool Wildcat				Formation Pictured Cliff			
Completion Date 2-23-1978		Total Depth 3602		Plug Back TD 3590		Elevation 6601 G.L.	
Cng. Size 2.000		Set At 3602		Perforations: From 3590 To 3517		Well No. 4	
Tng. Size 2.375		Set At 3510		Perforations: From Open To Ended		Unit E Sec. 10 Twp. 31 Rge. 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 3510	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12 paid (est.)		County San Juan	
L 600 (est.)		H 600 (est.)		Gg 600 (est.)		State New Mexico	
Gg 600 (est.)		% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	17 0000						1475				
1.	2 inch	.700	199				199	60°		60°	3 hrs.
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	Rate of Flow Q, Mcfd
1	12.0000		211	1.000	1.000	1.017	2673
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.
5.					Critical Temperature	°R

NO.	P _r ²	P _w ²	P _w ² - P _r ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.06139$	(2) $\frac{P_r^2}{P_r^2 - P_w^2} = 2791$
1						
2						
3						
4						
5						

Absolute Open Flow 2791		Mcf @ 15.025		Angle of Slope θ		Slope, n	
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Approved By Commission		Conducted By Joe F. Ellodge		Calculated By Joe F. Ellodge		Checked By Mr. Don Roberts	
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