

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-28-77	
Company Palmer Oil & Gas Co.				Connection Northwest Pipeline			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 11-21-77		Total Depth 5982		Plug Back TD 5969		Elevation 6553 G.L.	
Casing Size 7.000 4.500		Wt. 20# 10.5#		ID 6.456 4.052		Set At 5874 5872	
Perforations: From 5665 To 5914		Well No. 1-A		Unit N 2 31N 7W		Sec. Twp. Rge.	
Perforations: From open To ended		County San Juan		State New Mexico		Form or Lease Name	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single				Packer Set At None		State	
Producing Thru Tubing		Reservoir Temp. °F 580		Mean Annual Temp. °F 12 Asia (est.)		Baro. Press. - P _a	
L		H		Gg		% CO ₂	
				.580			
				% 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	
1	7 days						1091		1103		
2	2 inch	.750		211			211	580	619	580	3 hrs.
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, Mhd
1	12.3650		223	1.0019	1.017	1.016	2855
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 Separate 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	P _w	P _w ²	P _r ² - P _w ²
1	1115	631	398161	845064
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.47116$

(2) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.47116$

ADP = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3814$

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DIST. 3

Absolute Open Flow	3814	Mhd @ 15.075	Angle of Slope	75
Remarks: 4 1/2" 10.5# liner set from 5299' to 5922'				

Approved By: Commission	Conducted By:	Calculated By:	Checked By: Mr. Don Roberts
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