

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

Form C-124
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-4-77				
Company Palmer Oil & Gas Co.				Connection Northwest Pipeline					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 4-27-77		Total Depth 6094		Plug Back TD 6055		Elevation 7219		Farm or Lease Name Stevenson	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6087	Perforations: From 5522 To 6042		Well No.			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5989	Perforations: From open To ended		Unit #2 Sec. 8 Twp. 26N Rge. 2W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia est.		State New Mexico	
L	H	Gg .650 est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	X _{ch} Line Size	X	Q _{max} Choke Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 days						1727		1727	
1.	2"		.500				794	60°	1164	60°
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	5.4315		806	1.000	.9608	1.0191	4,287
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1739	P _c ² 3024121	
NO.	P _r ²	P _w
1		1176
2		1382976
3		1641145
4		
5		

(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.8427$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 6780$

(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.5816$

Absolute Open Flow 6780	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: This test was conducted in conjunction with Northwest Pipeline's modified isochronal test.

Approved By Commission:	Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge	Checked By: Harold Elledge
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