

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 3/13/79			
Company Palmer Oil & Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 2/5/79		Total Depth 6953'		Plug Back TD 6868'		Elevation 5838'		Farm or Lease Name F. Montoya 27	
Csg. Size 7"	Wt. 20#	d 6.456	Set At 4898'	Perforations: From 4505' To 4754'			Well No. #1		
Tbg. Size 2.063	Wt. 3.25	d 1.751	Set At 4691'	Perforations: From open To ended			Unit P	Sec. Twp. Rge. 27 32N 13W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 5980'		County San Juan	
Producing Thru Tubing		Reservoir Temp. *F #		Mean Annual Temp. *F		Baro. Press. - P _a 12 psia (est.)		State New Mexico	
L	H	G _g .650 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. h _w	Temp. *F	Press. p.s.i.g.	Temp. *F	Press. p.s.i.g.	
SI	36 days						1038		1043	
1.	2 inch	.750		93			93	60°	550	
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	12.3650		105	1.000	.9608	1.0069	1256
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	T _f	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 1055	P _c ² 1,113,025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3962$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,2844$
NO.	P _t ²	P _w	P _w ²
1		562	315,844
2			
3			
4			
5			

Absolute Open Flow 1613 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ .75
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Remarks: 4-1/2, 10.5 & 11.6# liner set from 4791' to 6942'. Gas burned continuously for 3 hours. No show of oil. Test delayed due to thaw.

Approved By Commission:	Conducted By: Harold Elledge	Calculated By: Harold Elledge	Checked By: Robert D. Ballantyne
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