

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

Form C-122
Revised 9-1-65

SIG 7-22-74

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-30-74			
Company Northwest Pipeline Corporation				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 7-22-74		Total Depth 6055		Plug Back TD 6016		Elevation 6787 G.L.		Farm or Lease Name San Juan 29-6 Unit	
Csq. Size 4-1/2"	Wt. 10.5#	d 4.052	Set At 6055	Perforations: From 5480 To 5908		Well No. #13			
Tbg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 5939	Perforations: From To		Unit Sec. Twp. Rge. L 6 29 6			
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 _g		State New Mexico	
L	H	G _g .665	% CO ₂	% N ₂	% H ₂ S	Prover .750	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
SI							827		831		8 days
1.	.750 choke						282	74°	692		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd	
1	12.365	294	.9868	.9498	1.028	3,503	
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{710,649}{215,033}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4511$
1						
2						
3						
4						
5						

Absolute Open Flow <u>8,586</u> Mcfd @ 15.025				Angle of Slope θ _____	Slope, n <u>.75</u>
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Remarks: Well produced light mist of H₂O through-out test.

Approved By Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>R. G. Fisher</i>
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