

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 10-7-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6	
Completion Date		Total Depth 5827		Plug Back TD 5793		Elevation 6536 GR	
Gas Size 7.000 4.500		Wt. 20.0 10.5		Set At 6.457 4.052		Perforations: From 5298 To 5730	
Perf. Size 2.375		Wt. 4.7		Set At 1.995 5720		Perforations: From To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		C ₂		C ₃	
				.683			
				% CO ₂		% H ₂	
						% H ₂ S	
						Flow or Orifice Meter	
						Meter Run 4"	
						Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							563		615		SIR
1.	4	X	2.750	102	7.4	560	228		453		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcf/d
1.	130.00	3.3	7.4	1.004	1.210	1.014	3911
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Rel/BBL
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

NO.	P _c	P _w	R _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	627	393129	465	216225	2.2223	1.8201
2.						
3.						
4.						
5.						

NO.	P _c	P _w	R _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.					7118
2.					
3.					
4.					
5.					

Absolute Open Flow	7118	Rel/BBL 15.025	Angle of Slope °	Slope, n .75
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Remarks: Variable choke set at 48/64. Well produced 1 BBL of water with a trace of condensate.

Approved by Geologist	Conducted By:	Calculated By:	Checked By:
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