

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 10-14-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit San Juan 32-7	
Completion Date 10-5-77		Total Depth 3627		Plug Back TD 3621		Elevation 6572	
Csg. Size 2.875		Wt. 6.4		Set At 2.441		Perforations: From 3518 To 3596	
Tbg. Size None		Wt. None		Set At None		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion				Packer Set At None		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0	
L .		H .		G _g .60		% CO ₂ % N ₂ % H ₂ S	
Prover Positive Choke						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	7 day SIP									1454	SIP
1.	2	X	.750	343		56°			343		3 hrs.
2.											
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.402		355	1.004	1.291	1.031	4460
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ 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 1466	P _c ² 2149156	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1103$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0930$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		462	213444	1935712
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4875$

Absolute Open Flow **4875** Mcfd @ 15.025

Angle of Slope θ _____ Slope n **.85**

Remarks: Well produced light mist of water throughout test.					
G1	1-e-s	FcQ ²	R ²	Pt ²	Calc. PW
2118	.143	612932	87649	126025	213674
Approved By Commission:		Conducted By: Wilfred Charley		Checked By: B.J. Broughton	

