

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 10-11-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit Cox Canyon	
Completion Date 9-23-77		Total Depth 3489		Plug Back TD 3476		Elevation 6705 GR	
Csg. Size 2.875		Wt. 6.4		d 2.441		Set At 3484	
Tbg. Size None		Wt. None		d None		Set At None	
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 @		Baro. Press. - P _a 12.0	
L		H		Gg		% CO ₂	
				.665			
				% 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	11 day SIP								843		SIP
1.	2	X	.750	140		58 ⁰			140		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.402		152	1.002	1.226	1.014	1780
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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	855	195	731025	38025	693000
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0549$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1863$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0465$

Absolute Open Flow 1863 Mcfd @ 15.025		Angle of Slope θ _____

Remarks: _____					
G1	1-e-s	FcQ ²	R ²	Pt ²	Rt ² + R ²
2245	.151	97630	14742	23104	37846
Approved By Commission:		Conducted By:		Calculated By:	
		Wilfred Charley		B.J. Broughton	