

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 12-27-74	
Company Northwest Pipeline Corporation				Connection New Completion		
Pool Blanco				Formation Pictured Cliff		Unit Cox Canyon
Completion Date 12-19-74		Total Length 3370'		Plug Back TD 3364'		Elevation 6548
Csq. Size 2-7/8"	Wt. 6.4	d 2.441	Set At 3370	Perforations: From 3262 To 3298		Well No. 16
Tbg. Size T-C	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rye. I 16 32 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple 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		G _g .635	% CO ₂	% N ₂	% H ₂ S	Prover 3/4" THC
				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									838		7 day SI
1.			.750	263		65°					3 hour
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	12.365		275	.9952	.9721	1.024	3369
2.							
3.							
4.							
5.							

NO.	F _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{722500}{597891}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3957$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1746$

Absolute Open Flow	3957	Mcfd @ 15.025	Angle of Slope ϕ	Slope, n	.85
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Remarks: Calculated P_w 353 psia Blew dry gas throughout test.

Approved by Commission:	Conducted By: Larry Moore	Calculated By: Bob Fielder	Checked By: JS
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