

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 11-4-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Foot Blanco				Formation Pictured Cliffs			
Completion Date 9-30-77		Total Length 3626		Plug Back TD 3605		Elevation	
Csg. Size 2.875		Wt. 6.4		Set At 2.441		Perforations: From 3534 To 3600	
Thg. Size None		Wt. d		Set At 3620		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion						Packer Set At None	
Producing Thru Casing		Reservoir Temp. °F e		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g		Prover Positive Choke	
				.60		Meter Run	
				% CO ₂		% N ₂	
				% H ₂ S		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									1510		SIP
1.	2	X	.750	15		60°			15		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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.402		27	1.000	1.291	1.002	328
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 1522 P _c ² 2316484				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		35	1225	2315259
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0005$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 328$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0005$

Absolute Open Flow 328 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n .85	
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Remarks: Well produced medium to heavy intermittent slugs of water.

G1	1-c-s	FcQ ²	R ²	Pt ²	Pt ² + R ²	Calc. PW
2120	143	3315	474	729	1203	35

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		R. I. Broughton	