

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 12/21/77	
Company Northwest Pipeline Corp.		Connection New Well	
Pool Blanco		Formation Mesa Verde	
Completion Date 12/14/77		Total Depth 5792	Plug Back To 5756
			6480 GR
Csg. Size 4.000		Wt. 20.0	d 6.456
Thg. Size 2.375		Wt. 4.7	d 1.995
Set At 3551-3713		Set At 5706	
Perforations: From 5267		To 5700	
Well No. #54A		Unit Sec. Twp. Rye. E 4 29 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @	
Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L H Gg		% CO ₂ % N ₂ % H ₂ S	
.652		Prover Positive Choke	
Meter Run		Taps	
County Rio Arriba		State New Mexico	

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.	
SI							440		685	
1.	2"	X	.750	201		57°	201		518	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor FG	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		213	1.003	1.238	1.026	2606
2.							
3.							
4.							
5.							

NO.	P _r	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 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 697	P _c ² 485809	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3708$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9106$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	530	280900	204909
2.			
3.			
4.			
5.			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4979$

Absolute Open Flow	4979	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Well produced medium mist of water with a trace of condensate.

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By:
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