

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 6-15-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 5-29-81		Total Depth 6200'		Elevation 6744'	
Csg. Size 7.000		Wt. 20.0		Set At 3952'	
4.500		10.5		3757-6200'	
Perforations: From 5661' To 6018'		Well No. #74		Unit Sec. Twp. Rge. I 4 31N 7W	
2.375		4.7		5937'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0	
L		H		County San Juan	
Gg .est .590		% CO ₂		State New Mexico	
		% N ₂		Prover positive	
		% H ₂ S		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.	
SI							1166		1166	
1.	2"	X	.750	66		60 ⁰	66		293	
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	9.604		78	1.000	1.302	1.006	981
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	Deq.
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.
5.					Critical Temperature	R

P _c 1178	P _c ² 1387684	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0719$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0534$
NO. 1	P _r ² 305	P _w ² 93025	P _c ² - P _w ² 1294659
2			
3			
4			
5			

Absolute Open Flow 1033		Mcf @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Well produced medium mist of water throughout test. Vented 154 MCF.

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