

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 2-16-82	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Undesignated				Formation Pictured Cliffs	
Completion Date 12-04-81		Total Depth 5950'		Plug Back TD 3654'	
		Elevation 6548'		Unit San Juan 32-7	
4.500		Well No. #79 PC		Farm or Lease Name San Juan 32-7 Unit	
1.660		2.33		3.357	
1.660		2.33		3.357	
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Type Well - Single - Brasshead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3654'	
Producing Thru Tubing				Baro. Press. - P _g 12.0	
L H G _g est. .679 % CO ₂ % N ₂ % H ₂ S				positive choke	
FLOW DATA				TUBING DATA	
Casing Data				Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	2"	X	.750"	16	69°
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
1.	9.604		28	.992	1.214
2.					
3.					
4.					
5.					
NO.	R _t	Temp. °R	T _g	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
$P_c = 1566$ $P_c^2 = 2452356$ (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1004$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0847$					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.		473	223729	2228627	
2.					
3.					
4.					
5.					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 354$					
Absolute Open Flow 354 Mcd @ 15.025 Angle of Slope 85 Slope, n .85					
Remarks: Well produced heavy water throughout test. Vented 82 MCF.					
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton	
				Checked By: B.J.B.	