

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 12-31-80	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 12-09-80		Total Depth 7766'		Plug Back TD 7754'		Elevation 6318'	
Csg. Size 4.500		Wt. 10.5		Set At 4.052		Well No. #49	
Trg. Size 2.375		Wt. 4.7		Set At 1.995		Well No. #49	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		State New Mexico	
L		H		Gg .60		% CO ₂	
				% N ₂		% H ₂ S	
						Positive Choke	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2"	X	.750	56		53	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		68	1.007	1.291	1.007	855
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R		
1.					RECEIVED JAN 13 1981 OIL CON. COM. DIST. 3		
2.							
3.							
4.							
5.							
$P_c = 2643$ $P_c^2 = 6985449$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0201$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0150$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 869$		
1.		371	137641	6847808			
2.							
3.							
4.							
5.							
Absolute Open Flow 869 Mcfd @ 15.025					Angle of Slope @		Slope, n .75
Remarks: Well produced medium mist of water throughout test.							
Approved By Commission:		Conducted By: Chik Charley		Calculated By: B.J. Broughton		Checked By:	

BJB/skw 1-05-81