

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 5-19-81	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 32-7	
Completion Date 4-20-81		Total Depth 8250'		Plug Back TD 8211'		Elevation 6675'	
Csg. Size 4.500		Wt. 11.6		Set At 8247'		Perforations: From 8140' To 8202'	
Tbg. Size 2.375		Wt. 4.7		Set At 8138'		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g est. .580		% CO ₂ % N ₂ % H ₂ S	
						Proved choke	
FLOW DATA						TUBING DATA	
Casing Data						Duration	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2"	X	.750	37		59 ⁰	37
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		49	1.001	1.313	1.002	620
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 Hydrocarbon _____ 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 2720 P _c ² 7398400							
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0103$		
1		275	75625	7322775	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0077$		
2							
3							
4							
5							
Absolute Open Flow 625					Mcf @ 15.025		Slope, n .75
Remarks: Produced heavy mist of water throughout test. Vented 109 MCF.							
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton		Checked By: BjB	