

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 01/23/84		FEB 13 1984	
Company Northwest Pipeline Corporation				Connection New Completion		OIL CON. DIV. DIST. 3	
Pool Basin				Formation Dakota		Unit San Juan 31-6	
Completion Date 01/04/84		Total Depth 7960'		Plug Back TD 7930'		Elevation 6473' KB	
Csg. Size 4.500		Wt. 11.6		Set At 7952'		Perforations: From 7864' To 7909'	
Trg. Size 2.375		Wt. 4.7		Set At 7865'		Perforations: From To	
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		Baro. Press. - P _a 12.0	
L		H		G _g Est. .590		% CO ₂	
						% N ₂	
						% H ₂ S	
						Positive Choke	
						Meter Run	
						Taps	
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
SI	SIP						
1.	2"	X	.750"			58°	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		110	1.002	1.302	1.010	1392
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.					A.P.L. 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 2697 P _c ² 7273809					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0228$		
NO.	P _t ²	P _w	P _c ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0171$		
1		403	162409	7111400			
2							
3							
4							
5							
Absolute Open Flow 1416					Mcf/d @ 15.025		Slope, n .75
Remarks: Produced light mist throughout flow. Vented 233 MCF.							
Approved By Commission:		Conducted By: Chik Charley		Calculated By: M.J. Turnbaugh		Checked By:	