

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 7/20/84		JUL 25 1984	
Company Northwest Pipeline Corporation			Connection New Completion		
Pool Basin			Formation Dakota		
Completion Date 1/30/84		Total Depth 8415'		Plug Back TD 8406'	
				Elevation 6958' KB	
Csg. Size 4.500			Wt. 11.6#		Well No. #104
Perforations: From 8296' To 8390'					
Tng. Size 1.500			Wt. 2.9#		Unit Sec. Twp. Rye. 13 30 5
Perforations: From To					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single completion				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F A		Mean Annual Temp. °F	
				Baro. Press. - P _a 12	
L		H		County Rio Arriba	
G _g Est. .580		% CO ₂		% N ₂	
				% H ₂ S	
				Proves Positive Choke	
				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.	
1.	SIP						2160		2695	
2.	2" X .750					77 ⁰	71	77 ⁰	891	77 ⁰
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m (P _t)	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		83	.9840	1.313	1.005	1035
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _c 2707 P _c ² 7327849		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.125$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0923$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.		903	815409	6512440	
2.					
3.					
4.					
5.					

Absolute Open Flow 1131		Mcf @ 15.025		Angle of Slope @		Slope, n .75	
Remarks: Heavy mist throughout test. Vented 170 MCF.							
Approved By Commission:		Conducted By: Gip Aulbert		Calculated By: M.J. Turnbaugh		Checked By:	

ala 7/24/84