

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

Form C-122
Revised 9-1-65

RECEIVED
MAR 06 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2/27/84	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 2/07/84		Total Depth 8323'		Plug Back TD 8300'		Elevation 6868' KB	
Csg. Size 4.500		ID 10.5		Set At 8323'		Perforations: From 8176' To 8214'	
Tub. Size 2.375		ID 4.7		Set At 8173'		Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		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						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.
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"			56 ⁰	85
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		97	1.004	1.302	1.006	1225
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 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 2657		P _c ² 7059649					
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0187$		
1.		360	129600	6930049	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0140$		
2.							
3.							
4.							
5.							
Absolute Open Flow 1242 Mcfd @ 15.025					Angle of Slope @		Slope, n .75
Remarks: Produced light mist throughout test. Vented 194 MCF.							
Approved By Commission:		Conducted By: Gip Aulbert		Calculated By: M.J. Turnbaugh		Checked By:	

SKI