

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

Form C-122
Revised 9-1-65

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

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2/21/84			
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 02/03/84		Total Depth 8221'		Plug Back TD 8208'		Elevation 6817' KB	
Comp. Size 4.500		Wt. 11.6		Set At 8221'		Perforations: From 8100' To 8156'	
Tub. Size 2.375		Wt. 4.7		Set At 8121'		Perforations: From To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		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.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	SIP						2690		2690		
1.	2"	X	.750"			60°	106	60°	425	60°	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 O. Mcfd
1.	9.604		118	1.000	1.302	1.010	1490
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 2702	P _c ² 7300804	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0269$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0201$
NO.	P _r ²	P _w	P _w ²
1.		437	190969
2.			
3.			
4.			
5.			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1520$	
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Absolute Open Flow 1520 Mcfd @ 15.025	Angle of Slope 0	Slope, n .75
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Remarks: Produced light mist throughout test. Vented 242 MCF.

Approved By Commission:	Conducted By: Gip Aulbert	Calculated By: M.J. Turnbaugh	Checked By:
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