

RECEIVED
JAN 10 1984

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/19/83		OIL CON. DIV.	
Company Northwest Pipeline Corporation				Connection New Completion		DIST. 3	
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 11/25/83		Total Depth 8129'		Plug Back TD 8100'		Elevation 6682' KB	
Casing Size 4.500		ID 11.6		Set At 4.052		8129'	
Perforations: From 8002'		To 8050'		Well No. #90			
Tubing Size 2.375		ID 4.7		Set At 1.995		7979'	
Perforations: From		To		Unit H		Sec. 22 Twp. 30 Rge. 5	
Type Well - Single - Brasshead - 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	
State New Mexico		L		H		G _g Est. 590	
% CO ₂		% N ₂		% H ₂ S		Flowing Positive Choke	
Meter Run		Taps					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Flowing 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.	2"	X	.750"			62 ⁰	271	62 ⁰	928	62 ⁰	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, Mcd
1.	9.604		283	.998	1.302	1.020	3602
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mct/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_c² 7059649

NO. P_t² P_w P_w² P_c² - P_w² <tr> <td>1.</td> <td></td> <td>940</td> <td>883600</td> <td>6176049</td> </tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr>	1.		940	883600	6176049	2.					3.					4.					5.				
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2.																									
3.																									
4.																									
5.																									

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1431$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1055$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3982$

Absolute Open Flow 3982	Mcd @ 15.025	Angle of Slope @	Slope, n
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Remarks: Produced light mist throughout test. Vented 516 MCF/D.

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