

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

Form C-122
Revised 9-1-55

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/31/83	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 5/13/83		Total Depth 7930'		Plug Back TD 7918'	
				Elevation 6473' KB	
Farm or Lease Name San Juan 30-5 Unit					
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 7930'	Perforations: From 7792' To 7812'	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 7774'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
				Baro. Press. - P _a 12.0	
L		H		G _g Est. .600	
				% CO ₂	
				% N ₂	
				% H ₂ S	
				Positive Choke	
				Meter Run	
				Taps	
County Rio Arriba					
State New Mexico					

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	
SI	SIP						2851		2852		
1.	2"	X	.750"	200		76 ⁰	200	76 ⁰	758	76 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, Mcfd
1	9.604		212	.985	1.291	1.019	2,638
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 Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	JUN 2 8 49 AM 1983
5.					Critical Temperature	P.S.I.A. R

P _c 2864 P _w 8202496					OIL CON. DIV.	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0779$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0579$
1		770	592900	7609596		
2						
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,791$			
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Absolute Open Flow 2,791 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
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Remarks: Produced light mist throughout test. Vented 404 MCF.					
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Approved By Commission:	Conducted By: Gip Aulbert	Calculated By: Sandy Wilsey	Checked By:
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