

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-31-80	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 12-15-80		Total Depth 7850'	Plug Back TD 7785'
		Elevation 6367'	Form or Lease Name San Juan 30-5 Unit
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 7850'
		Perforations: From 7764' To 7790'	
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 7741
		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 a	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
		State New Mexico	
L	H	G _g .60	% CO ₂ % N ₂ % H ₂ S
		Prover 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.	2"	X	.750	114		58 ⁰	2251	114	2251	375	SIP
2.											3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mscf/d
1.	9.604		126	1.002	1.291	1.012	1534
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 P _{cs} , P.S.I.A.	Critical Temperature T _{cs} , °R
1.										
2.										
3.										
4.										
5.										

P _c 2263	P _c ² 5121169	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0300$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0224$
NO. 1	P _r ² 386	P _w ² 148996	P _c ² - P _w ² 4972173
2.			
3.			
4.			
5.			

Absolute Open Flow 1619		Mscf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Well produced medium mist of water throughout test.

Approved by Commission:	Conducted By: Chik Charley	Calculated By: B.J. Broughton	Checked By:
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BJB/skw 1-05-81