

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 5-27-81	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 4-30-81		Total Depth 8349	Plug Back TD 8336
		Elevation 6702	Unit San Juan 32-7
Csg. Size 4.500	Wt. 11.6 10.5	d 4.052	Set At 8349
Perforations: From 8216 To 8276		Well No. #67	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 8202
Perforations: From To		Unit Sec. Twp. Rge. L 36 32N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single			Packer Set At None
Producing Thru Tubing			County San Juan
Reservoir Temp. °F 8		Mean Annual Temp. °F	State New Mexico
L	H	Gg est. .580	% 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
SI							2576		2576		SIP
1.	2"	X	.750	35		60°	35		217		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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		47	1.000	1.313	1.002	594
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 2588	P _c ² 6697744	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0079$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0059$
NO. 1	P _t ² 229	P _w ² 52441	P _c ² - P _w ² 6645303
2.			
3.			
4.			
5.			

Absolute Open Flow 598		Mcfd @ 15.025	Angle of Slope @	Slope, n 75
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Remarks: Produced heavy mist of water throughout test. Vented 76 MCF

Approved By Commission:	Conducted By: John Wright	Calculated By: John Harris	Checked By: B.J. Broughton
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