

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 10-14-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit San Juan 32-7	
Completion Date 10-5-77		Total Depth 3627		Plug Back TD 3621		Elevation 6572	
Casing Size 2.875		Wt. 6.4		Set At 3627		Perforation: From 3518 To 3596	
Tub. Size None		Wt. None		Set At None		Perforations: From To	
Type Well - Single - Bradenhead - C.G. or G.O. Multiple				Packer Set At None		Well No. #45	
Gas - Tubingless Completion				Baro. Press. - P _a 12.0		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
L		H		G _g		Meter Run	
				.60		Prover Positive Choke	

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.	7 day SIP								1454		SIP
2.	2 X		.750	343		56°			343		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 F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	9.402		355	1.004	1.291	1.031	4460
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1										
2										
3										
4										
5										

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1	1466	462	13444	1935712	1.1103	1.0930
2						
3						
4						
5						

Absolute Open Flow 4875 Mcfd @ 15.025				Angle of Slope 85	
Remarks: Well produced light mist of water throughout test.					
G _l	1-e-g	P _c Q ²	R ²	P _t ²	P _t ² + R ²
2118	143	612932	87649	126025	213674
Approved By Commission		Conducted By:		Checked By:	
		V.L. ...		P.J. ...	