

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 1/17/78	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit San Juan 29-5	
Completion Date 1/3/78		Total Depth 3788		Plug Back TD 3729		Elevation 6663 GR	
Csg. Size 2.875		Wt. 6.4		Set At 2.441		Perforations: From 3662 To 3686	
Tbg. Size		Wt.		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion						Packer Set At None	
Producing Thru Casing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P ₀ 12.0	
L		H		G _g		Prover Positive Choke	
				.690		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.
1.	2	X	.750	197		52°	1010
2.							197
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		209	1.008	1.204	1.019	2482
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/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		
$P_c = 1022$ $P_c^2 = 1044484$							
NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0781$		
1		275	75625	968859	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0660$		
2							
3							
4							
5							
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2646$							
Absolute Open Flow 2646				Mcf/d @ 15.025		Angle of Slope θ _____	
Slope, n .85							
Remarks:							
G1		1-e-s		FcQ ²		R ²	
2527		.168		189822		31890	
Pt ²		Pt ² +R ²		PW			
43681		75571		275			
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Fred Hamrick		B.J. Broughton			