

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 11-11-77	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde			
Completion Date 11-4-77		Total Depth 6010		Plug Back TD 5970		Elevation 6523 GR	
Gaso. Size 7.000 4.500		Wt. 20.0# 10.5#		Set At 6.456 4.052		Perforations: From 5522 To 5844	
Tbg. Size 2.375		Wt. 4.7		Set At 1.995 5826		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		Prover Positive Choke	
				.585		Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI							
1.	2	X	.750	341		60°	
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	9.402		353	1.000	1.307	1.024	4442
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	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 1178 P _c ² 1387684 NO P _t ² P _w P _w ² P _c ² - P _w ² (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1355$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7666$							
1		859	737881	649803	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7847$		
2							
3							
4							
5							
Absolute Open Flow				7847		Mcf @ 15.025	
				Angle of Slope θ		Slope, n .75	
Remarks: Well produced light mist of water.							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Fred Hamrick		B.J. Broughton			