

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 5-04-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 4-12-81		Total Depth 8165'		Elevation 6531'	
Csg. Size 5.500		Set At 8165'		Perforations: From 5562' To 5938'	
Tubg. Size 1.660		Set At 5791'		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual Completion				Packer Set At 6030'	
Producing Thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a 12.0	
L		H		County Rio Arriba	
G _g est. .580		% CO ₂		% N ₂	
				% H ₂ S	
				positive choke	
Meter Run				Taps	
State New Mexico					

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	122		53°	1089	122	1094	942	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 F _t	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mscf
1.	9.604		134	1.007	1.313	1.010	1719
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.										

NO.	P _r	P _w	P _c	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	1106	954	1223236	313120	3.9066	2.7788
2.						
3.						
4.						
5.						

Absolute Open Flow				Mscf @ 15.025		Angle of Slope @		Slope, n	
4777								.75	

Remarks: Produced very light mist throughout test. Vented 214 MCF/Day.

Approved By Commission:	Conducted By: Fred S. Hennick	Calculated By: D. J. Doughton	Checked By: RJR
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