

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 11-12-88	
Company Northwest Pipeline Corp.				Connection None	
Pool Blanco				Formation Mesa Verde	
Completion Date		Total Depth 6132		Plug Back TD 6115	
				Elevation 6702	
Csg. Size 4.500				Well No. #109	
Wt. 10.5					
Perforations: From 5545 To 6059					
Tbg. Size 2.375		Set At 6130			
Wt. 4.7		Set At 5856			
Perforations: From To					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a 12.0					
L		H		Prover positive choke	
G _g .583		% CO ₂		% H ₂ S	
				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
1.	7 day SIP						992		998		
2.	2 x -750			256			256		652	56°	3hrs.
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, Mcfd
1.	9.604		268	1.004	1.310	1.018	3446
2.							
3.							
4.							
5.							

NO.	P _r	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 1010	P _c ² 1020100	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.761$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.529$
NO.	P _c ²	P _w	P _w ²
1.		664	440896
2.			
3.			
4.			
5.			

Absolute Open Flow 5268		Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: Well produced very light mist of water				

Approved By Commission: 11-2-88 (E)	Conducted By: John Wright	Calculated By: B.J. Broughton	Checked By: (M)
--	------------------------------	----------------------------------	--------------------