

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-55

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-7-78	
Company Northwest Pipeline Corp.				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 5-24-78		Total Depth 6030		Elevation 6729	
Csg. Size 7.000		Set At 3937		Perforations: From 5442 To 5916	
4.500		3793-6028			
Tbg. Size 2.375		Set At 5919		Perforations: From To	
4.7		1.995		Unit J 15 29 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas--Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _d 12.0	
L		H		County Rio Arriba	
Cg		% CO ₂		State New Mexico	
.690		% N ₂		Proves positive choke	
				Meter Run	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	2 x 750			252	68°
2.					
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
	794				
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
	809				
Duration of Flow 3 hrs.					
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
1.	9.604		264	.992	1.204
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbons
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure
5.					Critical Temperature
$P_c = 821$ $P_c^2 = 674041$					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0484$
1.		673	452929	221112	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3070$
2.					
3.					
4.					
5.					
Absolute Open Flow 7189 Mscf @ 15.025 Angle of Slope 0 Slope n .75					
Remarks: Produced small trace of condensate.					
Approved By Commission:		Conducted By:		Checked By:	
		Fred Hamrick		B.J. Broughton	