

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

Form C-122
Revised 9-1-65

SIG 7-3-74

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-10-74	
Company Northwest Pipeline Corporation				Connection Northwest Pipeline	
Pool Blanco				Formation Mesa Verde	
Completion Date 6-26-74		Total Depth 6105		Plug Back TD 6085	
				Elevation 6704	
Csg. Size 4.5		Wt. 10.5		d 4.052	
Tbg. Size 2 3/8"		Wt. 4.7		d 1.995	
				Set At 6105	
				Set At 5921'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
				Baro. Press. - P _a 12 psi	
L		H		Gg	
				.679	
				% CO ₂	
				-	
				% N ₂	
				-	
				% H ₂ S	
				-	
				Prover	
				3/4 choke	
				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	
SI				-	-	-	762	-	762	-	7 hr
1.	.750 choke						197	67°	638		3 hours
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 Fg	Super Compress. Factor	Rate of Flow Q, Mcfd
1	12.365		209	.9933	.9400	1.002	1,465
2.							
3.							
4.							
5.							

NO.	P _t	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	Mcf/bbl.	Deq.
1.												
2.												
3.												
4.												
5.												

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{599,076}{176,576}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,165$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4998$

Absolute Open Flow <u>6,165</u> Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n <u>.75</u>
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Remarks: Well produced very light mist of H₂O through-out test.

Approved By Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>Robert E. Fielder</i>
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