

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 11-1-77	
Company Northwest Pipeline Corp.				Connection New Well			
Pool Blanco				Formation Mesa Verde		Unit San Juan	
Completion Date 10-24-77		Total Depth 5867		Plug Back TD 5832		Elevation 6470 GR	
Csg. Size 7.000 4.500		Wt. 20.0 10.5		Set At 6.456 4.052		Perforations: From 5484 To 5782	
Tbg. Size 2.375		Wt. 4.7		Set At 1.995 5765		Well No. #60	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0		County Rio Arriba	
L		H		Gg		State New Mexico	
				.583		Prover Positive Choke	
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
1.	2"	X	.750	289		56°	SIP 3 hrs.
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, F _{pv}	Rate of Flow Q, Mcd
1	9.402		301	1.004	1.310	1.021	3800
2.							
3.							
4.							
5.							

NO.	P _t	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

$P_c = 1137$ $P_c^2 = 1292769$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		796	633616	659153
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9613$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6298$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6573$

Absolute Open Flow <u>6298</u>	Mcd @ 15.025	Angle of Slope θ	Slope, n <u>.75</u>
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Remarks: Well produced very light mist of water

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By:
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