

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 12/3/79	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date Nov. 13, 1979		Total Depth 5770		Plug Back TD 5727		Elevation 6320 Gr.	
Casing Size 7.000 4.500		Wt. 20.0# 10.5#		Set At 3614 3417-5770		Perforations: From 5108 To 5602	
Tubg. Size 2.375		Wt. 4.7		Set At 5615		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Single				Packer Set At None		Well No. 9A	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g .590		% CO ₂	
				% N ₂		% H ₂ S	
Prover Positive 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.	
SI							556		557	
1.	2 X	.750		175		60 ⁰			428	
2.										
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		187	1.000	1.302	1.016	2,376
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

$P_c = 569$ $P_c^2 = 323761$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.4874$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9807$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		440	193600	130161				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4706$					
Absolute Open Flow <u>4706</u> Mcfd @ 15.025				Angle of Slope @ <u>75</u>	

Remarks: <u>Produced Trace of Condensate</u>			
Approved By Commission:		Conducted By: Fred Hamrick	Calculated By: B.J. Broughton
		Checked By:	