

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 3-06-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 2/12/81				Total Depth 5870'	
Plug Back TD 5870'				Elevation 6255'	
Form or Lease Name Rosa Unit				Well No. #79 MV	
Csg. Size 5.500	Wt. 17.0#	d 4.892	Set At 7895'	Perforations: From 5282' To 5712'	Unit Sec. Twp. Rge. K 22 31N 6W
Tng. Size 1.660	Wt. 2.33#	d 1.380	Set At 5420'	Perforations: From To	County Rio Arriba
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual Completion				Packer Set At 5870'	
Producing Thru Tubing		Reservoir Temp. °F A		Mean Annual Temp. °F 12.0	
Baro. Press. - P _a 12.0		State New Mexico		Meter Run Taps	
L	H	Gg .580	% CO ₂	% N ₂	% H ₂ S
Prover positive choke					

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							1070		1071	
1.	2"	X	.750	141		60°	141		944	
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		153	1.000	1.313	1.010	1949
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1083	P _c ² 1172889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.1628$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9143$
NO. 1	P _t ²	P _w	P _w ²
1		944	891136
2			
3			
4			
5			

Absolute Open Flow 5680		Mcf @ 15.025	Angle of Slope @ _____	Slope, n 75
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Remarks: Well produced very light mist of water throughout test.

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