

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 11-05-81	
Company Northwest Pipeline Corporation				Connection New Well	
Pool Blanco				Formation Mesa Verde	
Completion Date 10-26-81		Total Depth 5915'		Plug Back TD 5882'	
Elevation 6547'		Farm or Lease Name San Juan 31-6 Unit			
Csg. Size 7.000 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 3750' 3539'-5915'	Perforations: From 5426' To 5805'	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 5727'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single Completion				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F	
				Baro. Press. - P _a 12.0	
L		H	G _g .615	% CO ₂	% N ₂
				% H ₂ S	positive choke
				Meter Run	Taps
County Rio Arriba					
State New Mexico					

FLOW DATA							TUBING DATA		CASING DATA		Duration
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	of Flow
SI							534		534		SIP
1.	2"	X	.750	137		63°	137		368		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		149	.997	1.275	1.012	1841
2.							
3.							
4.							
5.							

NO.	P _r	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	P.S.I.A.	R
1														
2.														
3.														
4.														
5.														

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	546	380	298116	144400	153716	1.9394	1.6434
2.							
3.							
4.							
5.							

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	546	380	298116	144400	153716	3026
2.						
3.						
4.						
5.						

Absolute Open Flow	3026	Mcf @ 15.025	Angle of Slope °	Slope, n	.75
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Remarks: Produced light H₂O mist - trace condensate.

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