

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 11-03-81				
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit Rosa	
Completion Date 9-19-81		Total Depth 8086'		Plug Back TD 8020'		Elevation 6441'		Farm or Lease Name Rosa Unit	
Csg. Size 5.500	Wt. 17.0	d 4.892	Set At 8086'	Perforations: From 5545' To 5892'				Well No. #85 MV	
Trg. Size 1.660	Wt. 2.33	d 1.380	Set At 5774'	Perforations: From To				Unit Soc. Twp. Rge. A 20 31N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion					Packer Set At 6100'			County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gas est. .580	% 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.	Temp. °F	
SI							1112		1113		SIP
1.	2"	X	.750	146		54°	146		957		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		158	1.006	1.313	1.010	2024
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.L. 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 1125	P _c ² 1265625	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.874$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.7615$
NO	P _t ²	P _w	P _w ²
1		969	938961
2			
3			
4			
5			

Absolute Open Flow 5589 Mcfd @ 15.025		Angle of Slope @	Slope, n 75
---------------------------------------	--	------------------	-------------

Remarks: Produced medium mist of water throughout test. Vented 253 MCF.

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