

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 11/12/82	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 9-30-82		Total Depth 6117'		Plug Back TD 6077'	
Elevation 6558'		Farm or Lease Name Rosa Unit			
Casing Size 4.500	Wt. 20.0	ID 6.456	Set At 3935	Perforations: From 5670' To 5990'	
Well No. #45					
Thg. Size 2.375	Wt. 4.7	ID 1.995	Set At 5917'	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 8		Mean Annual Temp. °F 12.0	
State New Mexico					
L	H	Gg est. .580	% CO ₂	% N ₂	% H ₂ S
				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	
SI	Shut-In Pressures				
1.	2"	X	.750"	63	72°
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, Fpv
1	9.604		75	.989	1.313
2.					
3.					
4.					
5.					
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons Deg.
1.					Specific Gravity Separator Gas X X X X X X X X
2.					Specific Gravity Flowing Fluid X X X X X
3.					Critical Pressure P.S.I.A. P.S.I.A.
4.					Critical Temperature R R
5.					
P _c 988 P _c ² 976144					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2830$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2055$
1		464	215296	760848	
2					
3					
4					
5					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,134$					
Absolute Open Flow 1,134				Mcf @ 15.025	Angle of Slope °
				Slope, n .75	
Remarks: Produced heavy mist of water throughout test. Vented 146 MCF.					
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton	
				Checked By: R.B.B.	