

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 9-01-81	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit Rosa	
Completion Date 8-23-81		Total Depth 6091'		Plug Back TD 6058'		Elevation 6667'	
Form or Lease Name Rosa Unit		Well No. #89		Perforations: From 5762' To 6042'		Unit Sec. Twp. Rge. A 34 32N 6W	
Casing Size 4.500		Wt. 20.0		Set At 3990'		Perforations: From To	
Casing Size 2.375		Wt. 4.7		Set At 5907'		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g 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	Press. p.s.i.g.
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2"	X	.750	246		73°	246
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		258	.988	1.313	1.016	3266
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 _____		
3.					Specific Gravity Flowing Fluid _____		
4.					Critical Pressure _____ P.S.I.A.		
5.					Critical Temperature _____ R		
P _c 927 P _c ² 859329					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9556$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6537$		
1.		648	419904	439425			
2.							
3.							
4.							
5.							
Absolute Open Flow 5401					Mcf @ 15.025		Slope, n .75
Remarks: Produced very light mist of water throughout test. Vented 677 MCF.							
Approved By Commission:		Conducted By: Chik Charley		Calculated By: B.J. Broughton		Checked By: B.B.B.	