

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

FILED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6/29/83		JUL 18 1983	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde			
Completion Date 10/03/82		Total Depth 5780'		Plug Back TD 5715'		Elevation 6268' KB	
Farm or Lease Name Rosa Unit				Well No. #94			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5775'	Perforations: From 5360' To 5681'		Unit Sec. Twp. Rge. K 16 31 5	
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 5553'	Perforations: From To			
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. *F #		Mean Annual Temp. *F		Baro. Press. - P _a 12.0	
State New Mexico							
L	H	Gg Est. .580	% CO ₂	% N ₂	% H ₂ S	Positive Meter Run Choke	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	SIP						1006		1006		
1.	2"	X	.750"	.4		67	.4	67	545		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		124	.993	1.313	1.002	155
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ 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 1018	P _c ² 1036324	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4273$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3058$
NO.1	P _r ²	P _w	P _w ²
1		557	310249
2			726075
3			
4			
5			

Absolute Open Flow 202		Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Well produced very heavy mist and logged off.

Approved By Commission:	Conducted By: F.S. Hamrick	Calculated By: M.J. Turnbaugh	Checked By:
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skw