

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 5/4/78			
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 4/19/78		Total Depth 5970		Plug Back TD 5932		Elevation 6680		Farm or Lease Name San Juan 29-6 Unit	
Cr. Size 7.000 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 3900 3807-5967	Perforations: From 5366 To 5864		Well No. #39A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5868	Perforations: From To		Unit I 22 29 6			
Type Well - Single - Bradenhead - 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	% CO ₂	% N ₂	% H ₂ S	Prover Positive Choke		Meter Run	Taps
			.680						

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							821		958		SIP
1.	2"	x	.750	315		56°	315		797		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		327	1.004	1.213	1.039	3974
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 _____ 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 970	P _c ² 940900					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.2850$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4401$
1		809	654481	286419		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9697$

Absolute Open Flow 9697 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Well produced a trace of condensate.

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