

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

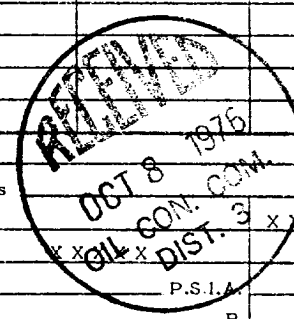
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-4-76				
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 9-23-76		Total Depth 5715		Plug Back TD 5630		Elevation 6423 GR		Farm or Lease Name San Juan 29-6 Unit	
Gas. Size 7.000 4.500	Wt. 20# 10.5#	d 6.456 4.052	Set At 3657 3459-5674	Perforations: From 5068 To 5618'				Well No. 4A	
Tubg. Size 2.375	Wt. 4.7	d 1.995	Set At 5600	Perforations: From To				Unit Sec. Twp. Rge. E 17 29 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - slingle					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	G _g .683	% CO ₂	% N ₂	% H ₂ S	Prover orifice meter	Meter Run 4"	Taps flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							794		886		SIP
1.	4" x 2.500			186	9.7	55°	486		724		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	4.5	9.7	1.006	1.210	1.021	5599
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 X X X
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R



P _c 898	P _c ² 806404		
NO.	P _c ²	P _w	P _w ²
1		736	541696
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.0464$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3059$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12,911$$

Absolute Open Flow	12,911	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Variable choke set at 48/64. Produced a trace of condensate.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: Fred Hamrick	Checked By: js
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