

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 1/28/77			
Company Northwest Pipeline Corp.				Connection New Connection					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 1/6/77		Total Depth 5669		Plug Back TD 5632		Elevation 6394 GR		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 4.500	Wt. 20#	d 11.6	Set At 3643	Perforations: From 5019 To 5552		Well No. 73 A			
Tag. Size 2.378	Wt. 4.7	d 1.995	Set At 5534	Perforations: From To		Unit D 20 Twp. 29 Rgr. 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. 12.0		State New Mexico	
L	H	Gg .681	% CO ₂	% N ₂	% H ₂ S	Prover orifice meter	Meter Run 4'	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							860		861		SIP
1.	4	X	2.750	189	9.5	690	389		646		3 hrs.
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	130.00	4.5	9.5	.992	1.212	1.019	6809
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 873	P _c ² 762129	
NO.	P _t ²	P _w ²
1	658	432964
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 2.3153$

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 12780$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.8770$

Absolute Open Flow	12,780	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Variable choke set 48/64. Produced approximately 1/2 bbl of condensate.

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