

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-7-77			
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date		Total Depth 5827		Plug Back TD 5793		Elevation 6536 GR		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.457	Set At 3816	Perforations: From 5298 To 5730		Well No. 31-A			
Tbg. Size 4.500	Wt. 10.5	d 4.052	Set At 3642-5827	Perforations: From To		Unit Sec. Twp. Rge. C 10 29 6			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At None		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Cg .683	% CO ₂	% N ₂	% H ₂ S	Prover Orifice Meter 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
1.	4	X	2.750	102	7.4	56°	563		615		SIP
2.							228		453		3 hrs.
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, MCF/D
1	130.00	3.3	7.4	1.004	1.210	1.014	3911
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
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 627	P _c ² 393129				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2223$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8201$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		465	216225	176904		
2						
3						
4						
5						

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7118$			
Absolute Open Flow 7118		Mcf @ 15.025	Angle of Slope @ .75

Remarks: **Variable choke set at 48/64. Well produced 1 BBL of water with a trace of condensate.**

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