

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 12/29/76			
Company Northwest Pipeline Corporation				Connection					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 12/10/76		Total Depth 5674		Plug Back TD 5638		Elevation 6383		Farm or Lease Name San Juan 29-6 Unit	
Clear Size 4.500	Wt. 20#	d 6.457	Set At 3660	Perforations: From 5070 To 5618		Well No. 46A			
Tag. Size 2.375	Wt. 4.7	d 4.000	Set At 5609	Perforations: From To		Unit Sec. Twp. Rge. D 27 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 .670	% 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							906		906		SIP
1.	4	X	2.750	222	9.4	63°	438		741		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	4.8	9.4	.996	1.222	1.024	7,310
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 918 P_c² 842724

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0565$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3116$
1		753	567009	275715		
2						
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 16,898$

Absolute Open Flow **16,898** Mcfd @ 15.025 Angle of Slope **3** Slope, n **.75**

Remarks: **Variable choke set @ 48/64. Produced approximately 100 bbl of condensate.**

Approved By Commission:	Conducted By: B.J. Broughton	Calculated By: B.J. Broughton	Checked By:
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