

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 12/15/76	
Company Northwest Pipeline Corporation				Connection New Well			
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit San Juan 29-6	
Completion Date 12/8/76		Total Depth 5758		Plug Back TD 5716		Elevation 6434	
Farm or Lease Name San Juan 29-6 Unit		Well No. #70 A					
Csg. Size 7.000 4.500	Wt. 20# 10.5	d 6.456 4.052	Set At 3692 3542-5758	Perforations: From 5088 To 5637		Unit Sec. Twp. Rge. E 29 29 6	
Tub. Size 2.375	Wt. 4.7#	d 1.995	Set At 5597	Perforations: From To		County Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0	
L	H	G _g .674	% CO ₂	% N ₂	% H ₂ S	Prover Orifice Meter 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							845		845		SIP
1.	4"	X	2.750	212	9.8	64°	429		689		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	4.73	9.8	.9962	1.218	1.024	7487
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 857	P _c ² 734449	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0218$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2919$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	701	491401	243048
2			
3			
4			
5			

Absolute Open Flow 17,153 Mcfd @ 15.025		Angle of Slope 7.75	
Remarks: Variable choke set at 48/64. Produced 1 bbl of condensate.			

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