

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 8/4/77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan	
Completion Date 7-26-77		Total Depth 5779		Plug Back TD 5745		Elevation 6487' GR	
Farm or Lease Name 29-6		Well No. 17A		Perforations: From 5341 To 5722		Unit Sec. Twp. Rgt. J 1 29N 6W	
Csg. Size 7.000 4.500		Wt. 20.0 10.5		Set At 3738 3758-5778		Perforations: From To	
Tng. Size 2.375		Wt. 4.7		Set At 5696		Perforations: From To	
Type Well - Single - Bradenhead - C.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F e		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0	
L		H		Gg .640		% CO ₂ % N ₂ % H ₂ S	
Prover Meter						Meter Run 4"	
Taps Flange						County Rio Arriba	
State New Mexico							

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		112	9.65	68°	633		635		SIP
2.							215		513		3 hrs.
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	3.5	9.65	.9924	1.250	1.011	5507
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R			
1.								
2.								
3.								
4.								
5.								

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	647	418609	525	275625	142984	2.9277	2.2382
2.							
3.							
4.							
5.							

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12.326$

Absolute Open Flow <u>12,326</u> Mcfd @ 15.025		Angle of Slope @ <u>.75</u>
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Remarks: Variable choke set at 48/64.

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