

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 3/7/77			
Company Northwest Pipeline Corp.				Connection New Well					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 2/27/76		Total Depth 5745		Plug Back TD 5706		Elevation 6483		Farm or Lease Name San Juan Unit	
Csg. Size 4.500	Wt. 20# 11.6	d 6.465 4.000	Set At 3746 3563-5741	Perforations: From 5154 To 5690				Well No. #48A	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5656	Perforations: From To				Unit Soc. Twp. Rge. 1 - 35 - 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	G _g .704	% CO ₂	% N ₂	% H ₂ S	Prover	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
1.	4"	X	2.750	231	9.72	70°	447		748		3 hr.
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	4.93	9.72	.9905	1.192	1.028	7,561
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 1008	P _c ² 1,016,064		
NO.	P _t ²	P _w	P _w ²
1		760	577600
2			438464
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3173$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 14,201$

(2) $\left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^n = 1.8782$

Absolute Open Flow 14,201 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
---	--	------------------	--------------

Remarks: Produced approximately 1.5 bbls of condensate.

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