

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 2/4/77	
Company Northwest Pipeline Corp.				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6
Completion Date 1/25/77		Total Depth 5475		Plug Back TD 5420		Elevation 6245 GR.
Casing Size 7.000 4.500		Wt. 20# 11.6#		Set At 6.465 4.000		Perforations: From 4850 To 5382
Tubing Size 2.375		Wt. 4.7		Set At 1.995 5391		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		Well No. 61A
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L		H		G _g .674		% 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.	
SI							813		814	SIP
1.	4"	X	2.750	181	9.4	70	372		616	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	4.4	9.4	.991	1.218	1.019	6,613
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	

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	826	628	394384	287892
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.3700}{1} = 2.3700$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.9101}{1} = 1.9101$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12,632$

12632

Absolute Open Flow	12,632	Mcfd @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks: Variable choke set @ 48/64.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B. Broughton	Checked By:
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