

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 7/14/78	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 6/28/78		Total Depth 5960'	Plug Back TD 5907'
		Elevation 6656'	Form or Lease Name San Juan 30-5 Unit
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3910
4.500	10.5	5.052	3815-5960
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5865
Perforations: From 5764 To 5892		Well No. 68	
Perforations: From To		Unit L	Sec. 25
		Twp. 30	Rge. 5
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
State New Mexico			
L	H	Gg .60	% CO ₂
		% N ₂	% H ₂ S
Prover positive choke		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							1241		1246	
1.	2 X .750			251		81	251		729	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		263	.980	1.291	1.022	3266
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 _r 1258	P _r ² 1582564	
NO.	P _r ²	P _w ²
1		741
2		549081
3		1033483
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5313$

AOF = C $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4496$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3766$

Absolute Open Flow 4496	Mcf @ 15.025	Angle of Slope @	Slope, # 75
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Remarks: Well produced light mist of water throughout test.

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