

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 1-7-77	
Company Northwest Pipeline Corp.			Connection New completion		
Pool Blanco			Formation Mesa Verde		Unit San Juan 30-5
Completion Date 12-28-76		Total Depth 5806'	Plug Back TD 5749'		Elevation 6454' GR
Csg. Size 7.000 4.500	Wt. 20# 11.6#	Set At 3722' 3552-5804'	Perforations: From 5352' To 5734'		Well No. 56
Tbg. Size 2.375	Wt. 4.7	Set At 1.995 5629	Perforations: From To		Unit Sec. Twp. Rge. M 22 30 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At none	
Producing Thru Tubing		Reservoir Temp. °F a	Mean Annual Temp. °F		Baro. Press. - P _a 120
L	H	Gg .595	% CO ₂	% N ₂	% H ₂ S
				Prover 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.	Temp. °F	
1.	2	x	.750	177		62°	177		526		3 hours
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		189	.998	1.296	1.016	2385
2.							
3.							
4.							
5.							

NO.	P _t	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 _c 1225 P _c ² 1500625				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		538	289444	1211181
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2389$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2801$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1743$

Absolute Open Flow	2801	Mcfd @ 15.025	Angle of Slope	Slope, n .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: js
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