

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	
Completion Date 12-28-76		Total Depth 5806'		Plug Back TD 5749'	
Elevation 6454' GR		Farm or Lease Name San Juan 30-5 Unit			
Csg. Size 4.500	Wt. 20#	Set At 3722'	Perforations: From 5352' To 5734'		Well No. 56
Thq. Size 2.375	Wt. 4.7	Set At 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 @		Mean Annual Temp. °F	
Baro. Press. - P _a 120		State New Mexico			
L	H	C _q .595	% CO ₂	% N ₂	% H ₂ S
				Prover positive choke	
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	
SI					
1.	2	x	.750	177	62°
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
2.					1.016
3.					2385
4.					
5.					
NO.	P _t	Temp. °R	T _t	Z	
1.					
2.					
3.					
4.					
5.					
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					
P _c 1225 P _c ² 1500625 NO. P _t ² P _w P _w ² P _c ² - P _w ² (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2389$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1743$					
1		538	289444	1211181	
2					
3					
4					
5					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2801$					
Absolute Open Flow 2801 Mcfd @ 15.025				Angle of Slope @ _____ Slope, n .75	
Remarks: Well produced light mist of water throughout test.					
Approved By Commission:		Conducted By: Fred Hamrick		Calculated By: B.J. Broughton	
				Checked By: js	