

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 3/1/77			
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 30-5	
Completion Date 2/22/77		Total Depth 6785		Plug Back TD 6722		Elevation 7492 GR.	
Farm or Lease Name San Juan 30-5 Unit							
Cst. Size 7.00 4.500	Wt. 20# 11.6#	d 6.465 4.00	Set At 4721 4616-6781	Perforations: From 6616 To 6696		Well No. 58	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6676	Perforations: From To		Unit Sec. Twp. Rge. M 36 30 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 12.0	
State Colorado							
L	H	Gg .602	% 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.	Temp. °F	
SI							1101		1102		SIP
1.	2	X	.750	111		50°	111		406		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		123	1.010	1.289	1.013	1,558
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 1114	P _c ² 1240996	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1638$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1205$
NO	P _t ²	P _w	P _w ²
1		418	174724
2			
3			
4			
5			

Absolute Open Flow 1,746 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks:					
Approved By Commission:		Conducted By: Fred Hamrick		Calculated By:	
				Checked By: ROR	