

MULTIPOINT AND ONE POINT BACKPRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/25/75	
Company Northwest Pipeline Corporation				Connection None (OWWO)		
Pool Blanco				Formation Mesa Verde		Unit San Juan 30-5
Completion Date 11/15/75		Total Depth 5710		Plug Back TD 5680		Elevation Farm or Lease Name San Juan 30-5 Unit
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 5707	Perforations: From 5132 To 5612		Well No. 7
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5585	Perforations: From To		Unit Sec. Twp. Rge. M 29 30 05
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 8		Mean Annual Temp. °F		State New Mexico
L	H	G _g .595	% CO ₂	% N ₂	% H ₂ S	Prover 3/4 Positive Choke
FLOW DATA			TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
SI						
1.	2 X .750		143		58°	
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}
1	12.365		155	1.002	1.004	1.012
2.						
3.						
4.						
5.						
NO.	P _t	Temp. °R	T _t	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	
$P_c = 1100$ $P_c^2 = 1210000$						
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1331$	
1		377	142129	1067871	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.087$	
2						
3						
4						
5						
Absolute Open Flow 2143 Mcfd @ 15.025					Angle of Slope θ _____	
Remarks: Well produced light mist of water through out test.						
Approved by Commission:		Conducted By: Fred S. Hamrick		Calculated By: Bobby J. Broughton		Checked By: B.J.B.

