

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11/24/75			
Company Northwest Pipeline Corporation				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 11/16/75		Total Depth 6156		Plug Back TD 6120		Elevation 6782 Gr		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6152	Perforations: From 5498 To 6034		Well No. 62A			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6012	Perforations: From To		Unit Sec. Twp. Rge. P 04 29 06			
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 θ		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .686	% CO ₂	% N ₂	% H ₂ S	Prover Orifice Meter	Meter Run 4"	Taps Flange	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Meter p.s.i.g.	Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							557		557		SIP
1.	4 X 2.500			49		53°	218		415		3hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Differential	Pressure Meter Static	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	103.21	6.0	2.5	1.007	1.207	1.004	1889
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			

NO.	P _c	P _w	P _c ² - P _w ²	P _c ²
1	569	427	182329	323761
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2892$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8610$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3516$			

Absolute Open Flow <u>3516</u> Mcf/d @ 15.025		Angle of Slope θ _____	
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Remarks: Differential from L-10 chart. Coefficient from chart factor 3.162 & orifice factor 32.64. Variable choke set at 48/64. Produced approximately 1 bbl liquid-trace of drip.

Approved By Commission:	Conducted By:	Calculated By:	Checked By: <u>B. J. R.</u>
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RECEIVED

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OIL CON. COM.
SLO DIST. 35