

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: 8-19-76	
Company: Northwest Pipeline Corp.				Connection: New Completion			
Pool: Blanco				Formation: Mesa Verde		Unit: San Juan 29-6 Unit	
Completion Date: 8-6-76		Total Depth: 5734'		Plug Back TD: 5790'		Elevation: 6400'	
Csg. Size: 7.000		Wt.: 26.0		d: 6.276		Set At: 3362	
4.500		10.5		4.052		3388 5723	
Perforations: From 5066 To 5584		Well No.: 6A		Farm or Lease Name: San Jua 29-6 Unit			
Tub. Size: 2.375		Wt.: 4.7		d: 1.995		Set At: 5558	
Perforations: From To		Unit: C		Sec.: 21		Twp.: 29	
		Rge.: 6					
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 : 12.0	
State: New Mexico		County: Rio Arriba					
L: H:		G _g : .661		% CO ₂ : % N ₂ : % H ₂ S:		Prover Orifice meter: 4" Meter Run: 4" Taps: Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4	x 250		95	8.5	51°	872		872		7 day SIP
2.							398		681		3 hours
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	103.21	3.27	8.5	1.0088	1.230	1.010	3595
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$
1.	884	693	480249	781456	2.5944	2.0442
2.						
3.						
4.						
5.						

Absolute Open Flow: 7349 Mcfd @ 15.025				Angle of Slope @: Slope, n:	
Remarks: Diff. from L-10 chart. Coefficient from chart factor 3.162 & orifice factor 32.64. Variable choke set @ 48/64. Well produced 1 bbl of water with a trace of condensate.					
Approved By Commission:		Conducted By: F.S. Hamrick		Calculated By: F.S. Hamrick	
				Checked By:	