

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
Revised 1-1-75

Type Test ☐ Initial ☐ Annual ☐ Special				Test Date 9-22-77							
Company Northwest Pipeline Corp.				Connection New Completion							
Pool Blanco				Formation Mesa Verde							
Completion Date Sept. 14, 1977		Total Depth 5810		Plug Back TD 5778							
		Elevation 6526' GR		Farm or Lease Name San Juan 29-6 Unit							
Gas Size 7.000 4.500	Wt. 20. # 10.5 #	d 6.457 4.052	Set At 3856 3641-5808	Perforations: From 5314 To 5733							
Tng. Size 2.378	Wt. 4.7	d 1.995	Set At 5720	Perforations: From To							
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas - Single				Facker Set At None							
Producing Thru Tubing				Baro. Press. - P _g 12.0							
L H		G _g .684	% CO ₂	% N ₂	% H ₂ S						
				Prover Orifice Meter	Meter Run 4"						
				Taps Flange							
FLOW DATA TUBING DATA CASING DATA											
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	Duration of Flow
SI							533		533		SIP
1.	4"	X	2.750	97	6.8	58°	186		417		3 hrs.
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mscf				
1	130.00	3.1	6.8	1.001	1.209	1.009	3346				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/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						
1											
2											
3											
4											
5											
P _c 545	P _c ² 297025										
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = .2629$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0646$						
1		429	184041	112984							
2											
3											
4											
5											
Absolute Open Flow 6909					Mscf @ 15.025		Angle of Slope 3.75				
Remarks: Well produced 1 BBL of water with a trace of condensate. Variable choke set @ 48/64.											
Approved By Commission:				Conducted By: Fred Hamrick				Calculated By: B.J. Broughton			
Checked By:											

