

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 8-9-76	
Company Northwest Pipeline				Connection New Completion			
Pool Blanco				Formation Mesa Verde			
Completion Date 6-19-76		Total Depth		Plug Back TD 6036		Elevation 6731 Gr.	
Unit San Juan 29-5		Farm or Lease Name San Juan 29-5 Unit		Well No. 5X (OWWO)		Unit Sec. Twp. Rye. A 33 29 5	
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 6050	Perforations: From 5870 To 6010		Perforations: To	
2.375	4.7	1.995	Set At 6003	From		To	
1.660	2.4	1.380	Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At 5668		County Rio Arriba
Gas-Single		Producing Thru Tubing		Baro. Press. - P _a 12.0		State New Mexico	
L		H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Choke
			.679				Meter Run
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.
1	2 X .750			56			704
2							56
3							48°
4							137
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}	Rate of Flow Q, Mcfd
1	9.604		68	1.0117	1.214	1.010	810
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		
P _c 716 P _c ² 512656					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0380$		
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0284$		
1		137	18769	493887	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 833$		
2							
3							
4							
5							
Absolute Open Flow 833 Mcfd @ 15.025					Angle of Slope θ _____ Slope, n .75		
Remarks: Calculated Pw 137 PSIA. Well produced light mist of water through-out test.							
Approved By Commission:		Conducted By: FSH		Calculated By: BJB		Checked By:	