

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		Unit San Juan 29-5	
Completion Date 6-19-76		Total Depth		Plug Back TD 6036		Elevation 6731 Gr.	
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 6050	
Perforations: From 5870 To 6010		Well No. 5X (OWWO)					
Perforations: From 6003 To 6068		Unit A		Sec. 33		Twp. 29	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Single		Packer Set At 5668		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F 67.9		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0	
L 67.9		H		G _g		Prover Pos Choke	
Meter Run		Taps					
FLOW DATA							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2 X .750			56			7 day Sip
2.							
3.							
4.							
5.							
TUBING DATA							
	Press. p.s.i.g.	Temp. °F					
	704						
	56	48°					
CASING DATA							
	Press. p.s.i.g.	Temp. °F					
	137						
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 _____		
3.					Specific Gravity Flowing Fluid _____		
4.					Critical Pressure _____ P.S.I.A.		
5.					Critical Temperature _____ R		
P _c 716 P _c ² 512656					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0380$		
NO. 1 P _w 137 P _w ² 18769 P _c ² - P _w ² 493887					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0284$		
2					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 833$		
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:	