

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11/16/94	
Company NORTHWEST PIPELINE CORPORATION				Connection WILLIAMS PRODUCTION COMPANY		Unit ROSA	
Pool BLANCO				Formation MESAVERDE		Unit ROSA	
Completion Date 11/05/94		Total Depth 6075'		Plug Back TD 6053'		Elevation 6419'	
Casing Size		Weight d		Set At		Perforations: From To	
Tubing Size		Weight d		Set at		Perforations: From To	
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At 4025'		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P_a	
State NEW MEXICO		Meter Run 2"		Taps		Prover .750	
L		H		Gg		%CO₂	
%N₂		%H₂S		Prover .750		Meter Run 2"	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover X Line Size	Orifice Size	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F	Duration of Flow
SI	2" X .750				1064		0
1.					231	56	0.5 HRS
2.					231	56	1.0 HRS
3.					227	56	1.5 HRS
4.					224	58	2.0 HRS
5.					221	59	3.0 HRS
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	√h_wP_m	Pressure P_i	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	9.604		233	1.0010	1.270	1.025	2916
2.							
3.							
4.							
5.							
NO.	P_r	Temp. °R	T_r	Z	Gas Liquid Hydrocarbon Ration _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator GAS 0.62 XXXXXXX Specific Gravity Flowing Fluid xxxxx Critical Pressure _____ p.s.i.a. p.s.i.a. Critical Temperature _____ R R		
1.							
2.							
3.							
4.							
5.							
P_c 1076 P_c² 1,157,776					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0492$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0417$		
NO.	P_i²	P_w	P_w²	P_c² - P_w²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3037$		
1.		233	54,289	1,103,487			
2.							
3.							
4.							
Absolute Open Flow 3037 Mcfd @ 15.025 Angle of Slope ° _____ Slope, n 0.85							
Remarks: _____							
Approved By Commission:		Conducted By: ROSS GALLEGOS		Calculated By: MARK MCCALLISTER		Checked By: 	