

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

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10/31/94	
Company NORTHWEST PIPELINE CORPORATION				Connection WILLIAMS PRODUCTION COMPANY			
Pool BLANCO				Formation PICTURED CLIFFS		Unit ROSA	
Completion Date 10/14/94		Total Depth 5960'		Plug Back TD 5938'		Elevation 6322'	
Casing Size		Weight		Set At		Perforations: From To	
Tubing Size		Weight		Set at		Perforations: From To	
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At 4000'		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _a	
L		H		Gg		%CO ₂	
						%N ₂	
						%H ₂ S	
						Prover	
						Meter Run 2"	
						Taps	

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	Pressure p.s.i.g.	Temperature °F	Duration of Flow
SI	2" X .750				1368	62	1368		0
1.					246	77	982		0.5 HRS
2.					186	83	878		1.0 HRS
3.					157	85	805		1.5 HRS
4.					136	86	778		2.0 HRS
5.					110	80	682		3.0 HRS

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _i	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		122	.9813	1.270	1.011	1476
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator GAS 0.62 XXXXXXXX	
3.					Specific Gravity Flowing Fluid xxxxx _____	
4.					Critical Pressure _____ p.s.i.a. _____ p.s.i.a.	
5.					Critical Temperature _____ R _____ R	

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.338$ (2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.281$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,891$
1.		694	481.636	1,422.764	
2.					
3.					
4.					

Absolute Open Flow 1,891 Mcfd @ 15.025		Angle of Slope ° _____		Slope, n 0.85	
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Remarks:			
Approved By Commission:		Conducted By: ROSS GALLEGOS	Calculated By: STERG KATIRGIS
		Checked By:	