

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 Oct 28, 1996		
Company Williams Production Company				Connection					
Pool Blanco				Formation Mesaverde			Unit Rosa		
Completion Date 10-02-96		Total Depth 8109'		Plug Back TD 8087'		Elevation 6388'		Farm or Lease Name Rosa Unit	
Casing Size		Weight d		Set At		Perforations: From To		Well No. 23A/m	
Tubing Size 1-1/4"		Weight 2.33# d		Set at 6051'		Perforations: From 5462' To 6051'		Unit Sec Twp Rng F 29 31N 5W	
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At 6150'			County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _b		State New Mexico	
L	H	Gg .6	%CO ₂	%N ₂	%H ₂ S	Prover 3/4"	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover X Line	Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration of
SI		2" X 3/4"			1047		1068		0
1.					169	50°	1022		0.5 hr
2.					143	52°	1006		1.0 hr
3.					144	53°	997		1.5 hrs
4.					146	54°	996		2.0 hrs
5.					137	56°	981		3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		149	1.0039	1.29	1.010	1872
2.							
3.							
4.							

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 _____ XXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ p.s.i.a. _____ p.s.i.a.
5.					Critical Temperature _____ R _____ R

NO.	P ₁	P _w	P _w ²	P ₁ ² - P _w ²	(1) $\frac{P_1^2}{P_1^2 - P_{w2}} = 6.4674$ (2) $\frac{[P_1^2 - P_w^2]}{[P_1^2 - P_w^2]} = 4.0555$ AOF = Q $\left[\frac{P_c}{P_1^2 - P_w^2} \right] = 7592$
1.		993	986049	180351	
2.					
3.					
4.					

Absolute Open Flow 7592 Mcfd @ 15.025 Angle of Slope °		Slope, n .75	
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Remarks:			
Approved By Commission:	Conducted By: C. Charley	Calculated By: Susan Griguin	Checked By: