

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 Aug 17, 1996	
Company Williams Production Company						Connection					
Pool Blanco						Formation Mesaverde				Unit Rosa	
Completion Date 8-05-96		Total Depth 8195'		Plug Back TD 8173'		Elevation 6247'		Farm or Lease Name Rosa Unit			
Casing Size		Weight d		Set At		Perforations: From To		Well No. 9A			
Tubing Size 1-1/4"		Weight 2.33#		Set at 6056'		Perforations: From 5419' To 6059'		Unit Sec Twp Rng C 11 31N 6W			
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At 6600'				County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _a		State New Mexico			
L	H	G _g .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"			1007		1007		0
1.					164	54°	954		0.5 hr
2.					181	56°	942		1.0 hr
3.					157	56°	917		1.5 hrs
4.					149	61°	913		2.0 hrs
5.					148	63°	901		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		160	.9971	1.29	1.016	2.008
2.							
3.							
4.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deq. Specific Gravity Separator _____ XXXXXX Specific Gravity Flowing Fluid _____ Critical Pressure _____ p.s.i.a. _____ p.s.i.a. Critical Temperature _____ R _____ R	
1.					RECEIVED SEP 13 1996 OIL CON. DIV. DIST. 8	
2.						
3.						
4.						
5.						

P _e 1019		P _e ² 1038361			
NO.	P ₁	P _w	P _w ²	P _e ² - P _w ²	
1.		913	833569	204792	RECEIVED SEP 13 1996 OIL CON. DIV. DIST. 8
2.					
3.					
4.					

(1) $\frac{P_e^2}{P_e^2 - P_{w2}} = 5.0703$ (2) $\frac{[P_e^2 - P_w^2]}{[P_e^2 - P_w^2]} = 3.3789$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right] = 6785$

Absolute Open Flow 6785 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: _____					
Approved By Commission:		Conducted By: C. Charley		Calculated By: Susan Griguhn	
Checked By:					