

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

Form C-122

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date Oct 29, 1996			
Company Williams Production Company				Connection					
Pool Blanco				Formation Mesaverde				Unit Rosa	
Completion Date 10-15-96		Total Depth 8074'		Plug Back TD 8049'		Elevation 6495'		Farm or Lease Name Rosa Unit	
Casing Size		Weight d		Set At		Perforations: From To		Well No. 26A	
Tubing Size 1-1/4"		Weight 2.33#		Set at 5947'		Perforations: From 5452' To 5969'		Unit Sec Twp Rng O 32 31N 5W	
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At 6025'		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P_a		State New Mexico	
L		H		Gq .6		%CO₂		%N₂	
						%H₂S		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"			974		974		0
1.					159	54°	939		0.5 hr
2.					159	56°	921		1.0 hr
3.					158	57°	911		1.5 hrs
4.					157	58°	903		2.0 hrs
5.					152	60°	885		3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_p P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		164	1.0000	1.29	1.016	2064
2.							
3.							
4.							

NO.		P _i	Temp. °R	<div style="border: 2px solid black; padding: 5px; font-weight: bold;">RECEIVED</div> <div style="border: 2px solid black; padding: 5px; font-weight: bold;">OIL CON. DIV.</div> <div style="border: 2px solid black; padding: 5px; font-weight: bold;">DIST. 3</div>	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator _____ XXXXXX 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 _e 986		P _e ² 972196	
NO.	P _i ¹	P _w	P _w ²
1.		897	804609
2.			
3.			
4.			

$(1) \frac{P_e^2}{P_e^2 - P_w^2} = \frac{5.8011}{P_e^2 - P_w^2} \quad (2) \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = \frac{3.7380}{P_e^2 - P_w^2}$	
$AOF = Q \left[\frac{P_e}{P_e^2 - P_w^2} \right] = 7715$	

Absolute Open Flow 7715 Mcfd @ 15.025 Angle of Slope ° Slope, n .75	
Remarks:	
Approved By Commission:	Conducted By: C. Charley
Calculated By: Susan Griguin	Checked By: