

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 29, 1996			
Company Williams Production Company				Connection					
Pool Basin				Formation Dakota				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 1-1/2"		Weight 2.9#		Set at 8006'		Perforations: From 7915' To 8011'		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		G_q .6		%CO₂		%N₂	
						%H₂S		Prover 3/4"	
								Meter Run	
								Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line	X	Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F
SI			2" X 3/4"			2372			
1.						272	58°		
2.						215	61°		
3.						176	62°		
4.						154	64°		
5.						123	64°		

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		135	.9962	1.29	1.014	1690
2.							
3.							
4.							

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

P _c 2384 P _c ² 5683456 DIST. 3				
NO.	P ₁	P _w	P _w ²	P _c ² - P _w ²
1.		135	18225	5665231
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0032}{1.0024}$ (2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0024$	
AOF = Q $\left[\frac{P_c}{P_c^2 - P_w^2} \right] = 1694$	

Absolute Open Flow 1694 Mcfd @ 15.025		Angle of Slope e		Slope, n .75	
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Remarks:			
Approved By Commission:		Conducted By: C. Charley	
Calculated By: Susan Griguin		Checked By:	