

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 10-11-95		
Company Williams Production Company				Connection					
Pool Blanco				Formation Mesaverde			Unit Rosa Unit		
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name	
Casing Size		Weight	d	Set At	Perforations: From To		Well No. 125E		
Tubing Size		Weight	d	Set at	Perforations: From To		Unit	Sec	Twp
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At			County		
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 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	Duration of
SI	2" X 3/4"				1017		1076		0
1.					97	50°	1032		0.5 hr
2.					98	51°	1016		1.0 hr
3.					99	52°	1001		1.5 hrs
4.					103	54°	989		2.0 hrs
5.					99	57°	964		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		111	1.0029	1.29	1.010	1.393
2.							
3.							
4.							

NO.	P _r	Temp. °R	T	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deq. Specific Gravity Separator _____ XXXXXX Specific Gravity Flowing Fluid _____ xxxxx Critical Pressure _____ p.s.i.a. _____ p.s.i.a. Critical Temperature _____ R _____ R	
1.					<div style="text-align: center;"> RECEIVED OCT 30 1995 OIL CON. DIV. </div>	
2.						
3.						
4.						
5.						

P _a 1088 P _c ² 1183744 DIST. 3				
NO.	P _i ¹	P _w	P _w ²	P _c ² - P _w ²
1.		976	952576	231168
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{5.1207}{1} = 5.1207$ (2) $\frac{[P_c^2 - P_w^2]^n}{P_c^2 - P_w^2} = \frac{3.4041}{1} = 3.4041$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.742$

Absolute Open Flow 4742 Mcfd @ 15.025 Angle of Slope ° Slope, n .75

Remarks: Unload in 5 mins to med mist for 1.5 hours to light mist 1 hour to clear

Approved By Commission:	Conducted By:	Calculated By: Susan Griguin	Checked By:
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