

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 <div style="text-align: center;">July 19, 1995</div>	
Company Williams Production Company					Connection						
Pool Blanco					Formation <div style="text-align: center;">Mesaverde</div>					Unit <div style="text-align: center;">Rosa</div>	
Completion Date <div style="text-align: center;">7-10-95</div>		Total Depth <div style="text-align: center;">6236'</div>		Plug Back TD <div style="text-align: center;">6211'</div>		Elevation <div style="text-align: center;">6507'</div>		Farm or Lease Name			
Casing Size		Weight	d	Set At		Perforations: From To		Well No. <div style="text-align: center;">146</div>			
Tubing Size		Weight	d	Set at		Perforations: From To		Unit N	Sec 28	Twp 31N	Rng 5W
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At				County <div style="text-align: center;">Rio Arriba</div>			
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _a		State <div style="text-align: center;">New Mexico</div>			
L	H	Gg <div style="text-align: center;">.6</div>	%CO ₂	%N ₂	%H ₂ S	Prover <div style="text-align: center;">3/4"</div>	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"			1077		1075		0
1.					378	66°	944		0.5 hr
2.					363	69°	903		1.0 hr
3.					349	72°	879		1.5 hrs
4.					338	79°	842		2.0 hrs
5.					323	76°	805		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		335	.9850	1.29	1.045	4272
2.							
3.							
4.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ration _____ 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.						
2.						
3.						
4.						
5.						

NO.	P _i ¹	P _w	P _w ²	P _c ² - P _w ²	<div style="text-align: center;"> $(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.2984}{1.8667}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8667$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7974$ </div>
1.		817	667489	514.080	
2.					
3.					
4.					

Absolute Open Flow 7974 Mcfd @ 15.025	Angle of Slope °	Slope, n .75
---	------------------	-----------------

Remarks:			
Approved By Commission:	Conducted By:	Calculated By: Susan Griguhn	Checked By: