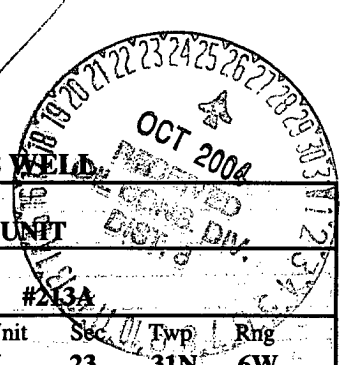
30-039-27687

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



Operator			Lease or Unit Name					
Williams Production Company			ROSA UNIT					
Test Type			Test Date		Well Number			
X Initial	Annual	Special	9/30/2004		#213A			
Completion Date	Total Depth		Plug Back TD		Elevation	Unit	Sec.	Twp	Rng
9/11/2004	3127'				6247'	J	23	31N	6W
Casing Size	Weight	d	Set At	Perforations:		County			
5-1/2"	17#		3090'	2927' - 3074'		RIO ARRIBA			
Tubing Size	Weight	d	Set At	Perforations:		Pool			
2-7/8"	6.5#		3072'			BASIN			
Type Well - Single-Bradenhead-GG or GO Multiple			Packer Set At			Formation			
						FT			
Producing Thru	Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection		
Tubing									
L	H	Gq	%CO2	%N2	%H2S	Prover	Meter Run	Taps	
		0.6				3/4"			

	FLOW DATA				TUBING DATA		CASING DATA		
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI	2" X 3/4"				360		165		0
1					10	68	65		0.5 hr
2					10	68	65		1.0 hr
3					5	68	50		1.5 hrs
4					5	68	50		2.0 hrs
5					5	72	45		3.0 hrs

RATE OF FLOW CALCULATION

NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	9.604		17	0.9887	1.29	1.004	209
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				
Pc	177	Pc^2	31329	

NO	Pt1	Pw	Pw^2	Pc^2-Pw^2
1		57	3249	28080
2				
3				
4				

Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.

A.P.I Gravity of Liquid Hydrocabrons _____. Deq.

Specific Gravity Separator _____.

Specific Gravity Flowing Fluid xxxxxxxxxx XXXXXX

Critical Pressure _____ p.s.i.a. ____p.s.i.a.

Critical Temperature _____ R ____ R

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.1157051$ (2) $\frac{Pc^2\wedge n}{Pc^2-Pw^2} = 1.0856$

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2 - Pw^2} = 227$

Absolute Open Flow 227 Mcfd @ 15.025 Angle of Slope _____. Slope, n 0.75

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mark Lepich	Tracy Ross	