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			9/22/2006	#360 (API # 30-039-29882)			
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
9/20/2006	3506'		6271'	D	16	31N	5W
Casing Size / Weight / d	Set At	Perforations:	County				
7" / 23#	3240'		RIO ARRIBA				
Tubing Size / Weight / d	Set At	Perforations:	Pool				
2-7/8" / 6.5#	3235'		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 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 Fg	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				

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

Pc 177 Pc^2 31329

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

(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	