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**	**6/20/99**	**#12A**			
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
5/29/99				**J**	**12**	**31N**	**6W**
Casing Size	Weight	d	Set At	Perforations: From To		County	
						RIO ARRIBA	
Tubing Size	Weight	d	Set At	Perforations: From To		Pool	
						BLANCO	
Type Well - Single-Bradenhead-GG or GO Multiple			Packer Set At			Formation	
						PICTURED CLIFFS	
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"**			**1420**		**1416**		**0**
1				**408**	**81**	**912**		**0.5 hr**
2				**232**	**83**	**653**		**1.0 hr**
3				**162**	**84**	**561**		**1.5 hrs**
4				**130**	**85**	**501**		**2.0 hrs**
5				**87**	**86**	**429**		**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**		**99**	**0.9759**	**1.29**	**1.006**	**1204**
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 **1428** Pc^2 **2039184**

NO	Pt1	Pw	Pw^2	Pc^2-Pw^2
1		**441**	**194481**	**1844703**
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2}$ = **1.1054267** (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2}$ = **1.0889**

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2}$ = **1311**

Absolute Open Flow **1311** Mcfd @ 15.025 Angle of Slope ____. Slope, n **0.85**

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Chik Charley	**Tracy Ross**	**Sterg Katirgis**