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**	**10/3/98**		**#170**	
Completion Date	Total Depth		Plug Back TD	Elevation	Unit / Sec / Twp / Rng	
9/5/98					**N / 21 / 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	
					MV	
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"**				**1052**		**1059**		**0**
1					**381**	**57**	**956**		**0.5 hr**
2					**367**	**60**	**891**		**1.0 hr**
3					**352**	**62**	**848**		**1.5 hrs**
4					**344**	**64**	**818**		**2.0 hrs**
5					**322**	**66**	**771**		**3.0 hrs**

RATE OF FLOW CALCULATION

NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	**9.604**		**334**	**0.9943**	**1.29**	**1.036**	**4263**
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 **1071** Pc^2 **1147041**

NO	Pt	Pw	Pw^2	Pc^2-Pw^2
1		**783**	**613089**	**533952**
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2}$ = **2.14821** (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2}$ = **1.7744**

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2}$ = **7564**

Absolute Open Flow **7564** Mcfd @ 15.025 Angle of Slope ____ Slope, n **0.75**

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By: