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**	**12/22/98**	**#339**

Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
				A	**32**	**32N**	**6W**

Casing Size	Weight	d	Set At	Perforations: From To	**RECEIVED** County	**SAN JUAN**

Tubing Size	Weight	d	Set At	Perforations: From To	**DEC 2 3 1998** Pool	**BASIN**

Type Well - Single-Bradenhead-GG or GO Multiple	Packer Set At OIL CON. DIV. DIST 3	Formation **FT**

Producing Thru **Tubing**	Reservoir Temp. oF	Mean Annual Temp. oF	Barometer Pressure - Pa	Connection

L	H	Gq **0.6**	%CO2	%N2	%H2S	Prover **3/4"**	Meter Run	Taps

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"			960		1002		0
1				476	64	800		0.5 hr
2				457	66	754		1.0 hr
3				451	68	745		1.5 hrs
4				447	69	738		2.0 hrs
5				446	70	716		3.0 hrs

RATE OF FLOW CALCULATION

NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fi	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	9.604		458	0.9905	1.29	1.052	5913
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____	Deq.
2					Specific Gravity Separator _____	
3					Specific Gravity Flowing Fluid xxxxxxxxxx	XXXXXX
4					Critical Pressure _____ p.s.i.a.	____ p.s.i.a.
5					Critical Temperature _____ R	____ R

Pc	**1014**	Pc²	**1028196**	

NO	Ptl	Pw	Pw²	Pc²-Pw²
1		728	529984	498212
2				
3				
4				

$$(1) \quad \frac{Pc^2}{Pc^2-Pw^2} = \underline{2.063772} \qquad (2) \quad \frac{Pc^{2 \wedge n}}{Pc^2-Pw^2} = \underline{1.7219}$$

$$AOF = Q \quad \frac{Pc^{2 \wedge n}}{Pc^2 - Pw^2} = \underline{10181}$$

Absolute Open Flow	**10181**	Mcfd @ 15.025	Angle of Slope _____	Slope, n	0.75

Remarks:

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