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

OCT 2000

Operator: **Williams Production Company**					Lease or Unit Name: **ROSA UNIT**				
Test Type: ***X Initial*** **Annual** **Special**			Test Date: **10/10/2000**			Well Number: **#344**			
Completion Date: **9/25/2000**	Total Depth: **3412'**		Plug Back TD: **3372'**		Elevation: **6453'**	Unit: **L**	Sec: **25**	Twp: **31N**	Rng: **5W**
Casing Size: **5 1/2"**	Weight: **17#**	d	Set At: **3284'**	Perforations: From To		County: **Rio Arriba**			
Tubing Size: **2-7/8"**	Weight: **6.7#**	d	Set At: **3260'**	Perforations: From To		Pool: **BASIN**			
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		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"**			**0**		**1090**		**0**
1				**820**	**64**	**875**		**0.5 hr**
2				**420**	**66**	**630**		**1.0 hr**
3				**215**	**68**	**405**		**1.5 hrs**
4				**155**	**69**	**345**		**2.0 hrs**
5				**15**	**70**	**290**		**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**		**27**	**0.9905**	**1.29**	**1.004**	**333**
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				
Pc	**1102**	Pc^2	**1214404**	

NO	Pt1	Pw	Pw^2	Pc^2-Pw^2
1		**302**	**91204**	**1123200**
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) $\frac{Pc^2}{Pc^2-Pw^2} =$ **1.0812001** (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2} =$ **1.0603**

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2 - Pw^2} =$ **353**

Absolute Open Flow **353** Mcfd @ 15.025 Angle of Slope _____. Slope, n **0.75**

Remarks:

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