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**			**3/25/2005**	**#237A (API # 30-045-32558)**			
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
2/22/2005	**3570'**		**6460'**	**J**	**04**	**31N**	**06W**
Casing Size / Weight / d	Set At	Perforations:		County			
5-1/2" / 17#	**3570'**	**3360' - 3480'**		**SAN JUAN**			
Tubing Size / Weight / d	Set At	Perforations:		Pool			
2-7/8" / 6.5#	**3519'**			**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 Size X Orifice Size	Pressure p.s.i.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Pressure p.s.i.g	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				
Pc	**177**	Pc^2	**31329**	

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

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) $\frac{Pc^{\wedge n}}{Pc^2-Pw^2}$ = **1.0856**

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2 - Pw^2}$ = **227**

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

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
H. Villanueva	Mark Lepich	Tracy Ross	