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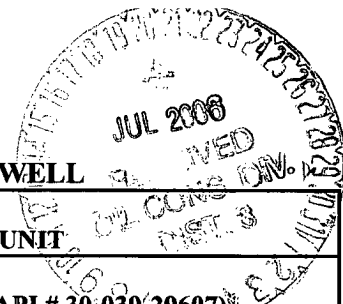## MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator		Lease or Unit Name	
Williams Production Company		**ROSA UNIT**	

Test Type			Test Date		Well Number	
_X_ **Initial**	**Annual**	**Special**	**6/7/2006**		**#207A (API # 30-039-29607)**	

Completion Date	Total Depth		Plug Back TD	Elevation		Unit	Sec	Twp	Rng
6/1/2006	**3395'**			**6414'**		**E**	**17**	**31N**	**5W**

Casing Size	Weight	d	Set At	Perforations:		County	
5-1/2"	**17#**		**3298'**	**3085' - 3200'**		**RIO ARRIBA**	

Tubing Size	Weight	d	Set At	Perforations:		Pool	
2-7/8"	**6.5#**		**3243'**			**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.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"**			**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 Fq	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		Mcf/bbl.
1					Gas Liquid Hydrocarbon Ration	
2					A.P.I Gravity of Liquid Hydrocabrons _____.	Deq.
3					Specific Gravity Separator _____.	
4					Specific Gravity Flowing Fluid xxxxxxxxxx	XXXXXX
5					Critical Pressure _____p.s.i.a.	_____p.s.i.a.
					Critical Temperature _____ R	_____ R

Pc	**177**	Pc²	**31329**		

NO	Ptl	Pw	Pw²	Pc²-Pw²
1		**57**	**3249**	**28080**
2				
3				
4				

(1) $\dfrac{Pc^2}{Pc^2 - Pw^2} = $ **1.1157051**

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

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

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

Remarks:

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