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**			**6/2/2005**		**#276A (30-045-32192)**		
Completion Date	Total Depth		Plug Back TD	Elevation	Unit	Sec	Twp	Rng
5/17/2005	**3598'**			**6411'**	**P**	**17**	**31N**	**6W**
Casing Size	Weight	d	Set At	Perforations:	County			
5-1/2"	**17#**		**3598'**	**3463' - 3595'**	**SAN JUAN**			
Tubing Size	Weight	d	Set At	Perforations:	Pool			
2-7/8"	**6.5#**		**3593'**		**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"**			**302**		**174**		**0**
1				**12**	**72**	**65**		**0.5 hr**
2				**8**	**74**	**62**		**1.0 hr**
3				**12**	**75**	**58**		**1.5 hrs**
4				**8**	**75**	**47**		**2.0 hrs**
5				**5**	**79**	**32**		**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**	**0.9822**	**1.29**	**1.004**	**208**
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 **186** Pc^2 **34596**

NO	Pt1	Pw	Pw^2	Pc^2-Pw^2
1		**44**	**1936**	**32660**
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2}$ = **1.0592774** (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2}$ = **1.0441**

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2 - Pw^2}$ = **217**

Absolute Open Flow	**217**	Mcfd @ 15.025	Angle of Slope ____.	Slope, n	**0.75**

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mark Lepich	Tracy Ross	