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 (API #)			
X Initial **Annual** **Special**			**5/13/2005**		**#138B (API # 30-045-32168)**			
Completion Date	Total Depth		Plug Back TD		Elevation	Unit	Sec	Twp	Rng
5/4/2005	**6440'**		**6406'**		**6367'**	**B**	**17**	**31N**	**6W**
Casing Size	Weight	d	Set At	Perforations:		County			
4-1/2"	**10.5#**		**6406'**	**4893' - 5865'**		**San Juan**			
Tubing Size	Weight	d	Set At	Perforations:		Pool			
2-3/8"	**4.7#**		**6244'**	**5940' - 6278'**		**Blanco MV**			
Type Well - Single-Bradenhead-GG or GO Multiple			Packer Set At			Formation			
						MV			
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 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"**			**637**	**75**	**818**		**0**
1				**224**	**62**	**735**		**0.5 hr**
2				**215**	**63**	**712**		**1.0 hr**
3				**210**	**64**	**687**		**1.5 hrs**
4				**207**	**65**	**675**		**2.0 hrs**
5				**202**	**66**	**657**		**3.0 hrs**

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	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**		**214**	**0.9943**	**1.29**	**1.024**	**2699**
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				
Pc	**830**	Pc2	**688900**	

Gas Liquid Hydrocarbon Ration ____ Mcf/bbl.
A.P.I Gravity of Liquid Hydrocabrons ____. Deq.
Specific Gravity Separator ____. XXXXXX
Specific Gravity Flowing Fluid xxxxxxxxxx ____
Critical Pressure ____ p.s.i.a. ____ p.s.i.a.
Critical Temperature ____ R ____ R

NO	Pt1	Pw	Pw2	Pc2-Pw2
1		**669**	**447561**	**241339**
2				
3				
4				

(1) Pc2 / (Pc2-Pw2) = **2.854491** (2) Pc2^n / (Pc2-Pw2) = **2.1960717**

AOF = Q Pc2^n / (Pc2 - Pw2) = **5928**

Absolute Open Flow	**5928**	Mcfd @ 15.025	Angle of Slope ____.	Slope, n	**0.75**

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Zane Dickens	Tracy Ross	

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