

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

Operator Williams Production Company					Lease or Unit Name Rosa Unit						
Test Type X Initial Annual Special			Test Date 9/26/2006		Well Number (API #) #100B (API # 30-039-29547)						
Completion Date 8/31/2006		Total Depth 8014'		Plug Back TD 8001'		Elevation 6376'		Unit O	Sec 21	Twp 31N	Rng 6W
Casing Size 5 1/2"		Weight 17#	d	Set At 8011'	Perforations: 5388' - 5659'		County Rio Arriba				
Tubing Size 2-1/16"		Weight 3.25#	d	Set At 7943'	Perforations:		Pool Basin DK				
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 6130'		Formation DK				
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"				1042	56	1132		0
1					111	66	1137		0.5 hr
2					87	65	1136		1.0 hr
3					74	65	1136		1.5 hrs
4					69	65	1136		2.0 hrs
5					55	65	1136		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			67	0.9952	1.29	1.009	834
2								
3								
4								

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____	Deq.
2					Specific Gravity Separator _____	XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

NO	Pc	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$	(2) $\frac{Pc2^n}{Pc2-Pw2} =$
1	1144		1148	1317904	-9168	-142.75044	#NUM!
2							
3							
4							

Absolute Open Flow #NUM!		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Jeff Gordy	Calculated By: Tracy Ross	Checked By:

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