

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 6/18/2005		Well Number (API #) #139B (API # 30-045-31137)				
Completion Date 5/18/2005		Total Depth 8440'		Plug Back TD		Elevation 6404'		Unit Sec Twp Rng K 17 31N 6W	
Casing Size 3 1/2"		Weight 9.3#		Set At 8440'		Perforations: 8186' - 8337'		County San Juan	
Tubing Size 2-3/8"		Weight 4.7#		Set At 8278'		Perforations:		Pool Basin DK	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 6400'		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.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"				1192	85	1015		0
1					107	66	1020		0.5 hr
2					80	68	1020		1.0 hr
3					72	68	1020		1.5 hrs
4					56	70	1020		2.0 hrs
5					56	70	1020		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		68	0.9905	1.29	1.010	843	
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	1027		1032	1065024	-10295	-102.45061	#NUM!
2							
3							
4							

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

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