

**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 10/24/2005		Well Number #10C (30-039-26918)				
Completion Date 10/10/2005		Total Depth 6128'		Plug Back TD		Elevation 6359'		Unit Sec Twp Rng D 13 31N 06W	
Casing Size 4 1/2"		Weight 10.5#		d		Set At 6128'		Perforations: 5182' - 5596'	
Tubing Size 2 3/8"		Weight 4.7#		d		Set At 6006'		Perforations: 5685' - 5997'	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation MV		
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"			739	56	1085		0
1					405	70	943		0.5 hr
2					377	70	874		1.0 hr
3					356	72	825		1.5 hrs
4					338	72	791		2.0 hrs
5					315	72	755		3.0 hrs

RATE OF FLOW CALCULATION									
NO	Efficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd		
1	9.604		327	0.9987	1.29	1.041	4212		
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 _____				XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxx				
4					Critical Pressure _____ p.s.i.a.				_____ p.s.i.a.
5					Critical Temperature _____ R				_____ R

Pc	1097	Pc2	1203409	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		767	588289	615120
2				
3				
4				

(1) $\frac{Pc2}{Pc2-Pw2} = \underline{1.9563809}$		(2) $\frac{Pc2^n}{Pc2-Pw2} = \underline{1.6542078}$	
AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \underline{6967}$			

Absolute Open Flow 6967		Mcf @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Sherry Brooks	Calculated By: Tracy Ross	Checked By: