

**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 ☒ Initial ☐ Annual ☐ Special			Test Date 9/27/2005		Well Number (API #) #354A (API# 30-039-27832)				
Completion Date 9/23/2005		Total Depth 3550'		Plug Back TD		Elevation 6585'		Unit Sec Twp Rng I 19 31N 04W	
Casing Size 5 1/2"		Weight 17#		Set At 3545'		Perforations: 3362' - 3465'		County Rio Arriba	
Tubing Size 2 7/8"		Weight 6.5#		Set At 3498'		Perforations:		Pool Basin	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		Formation Fruitland Coal			
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"				245	68	1200		0
1					230	68	1152		0.5 hr
2					230	62	1152		1.0 hr
3					200	62	1025		1.5 hrs
4					195	53	1025		2.0 hrs
5					195	53	975		3.0 hrs

RATE OF FLOW CALCULATION									
NO	Coefficient (24 Hours)	Pressure Pm	Flow Temp. Factor FI	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd			
1	9.604	207	1.0068	1.29	1.018	2628			
2									
3									
4									

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

Pc	1212	Pc2	1468944
NO	Pt1	Pw	Pw2
1		987	974169
2			
3			
4			

Absolute Open Flow 5945		Mcf @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: