

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 9/29/2005		Well Number (API #) #184B (API # 30-039-27604)				
Completion Date 9/19/2005		Total Depth 6298'		Plug Back TD		Elevation 6569'		Unit Sec Twp Rng P 34 31N 5W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6296'		Perforations: 5384' - 5815'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6143'		Perforations: 5852' - 6156'		Pool Blanco MV	
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"				1120	58	1120		0
1					165	70	960		0.5 hr
2					110	72	920		1.0 hr
3					105	73	885		1.5 hrs
4					95	74	880		2.0 hrs
5					80	74	730		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				92	0.9813	1.29	1.010	1130
2									
3									
4									

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____	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	1132	Pc2	1281424	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		742	550564	730860
2				
3				
4				

Absolute Open Flow 1721		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
--------------------------------	--	----------------	----------------------	----------------------

Remarks:			
Approved By Commission:	Conducted By: Sherry Brooks	Calculated By: Tracy Ross	Checked By:

