

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 9/27/2006		Well Number #100C (API # 30-039-29851)				
Completion Date 9/10/2006		Total Depth 6128'		Plug Back TD 6102'		Elevation 6341'		Unit Sec Twp Rng K 21 31N 6W	
Casing Size 4-1/2"		Weight 10.5#		Set At 6128'		Perforations: 5068' - 5612'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5992'		Perforations: 5668' - 5974'		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.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"			918	58	922		0
1					224	62	806		0.5 hr
2					205	62	760		1.0 hr
3					195	62	725		1.5 hrs
4					190	62	710		2.0 hrs
5					180	63	665		3.0 hrs

RATE OF FLOW CALCULATION									
NO	Coefficient (24 Hours)			hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604				192	0.9971	1.29	1.016	2410
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 xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	934	Pc2	872356	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		677	458329	414027
2				
3				
4				

Absolute Open Flow 4214		Mcf @ 15.025	Angle of Slope _____	Slope, n 0.75
--------------------------------	--	--------------	----------------------	----------------------

Remarks:			
Approved By Commission:	Conducted By: Jeff Gordy	Calculated By: Tracy Ross	Checked By:

80