

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 1/15/2005		Well Number #30C (API # 30-039-29842)				
Completion Date 7/16/2006		Total Depth 6317'		Plug Back TD 6277'		Elevation 6523'		Unit Sec Twp Rng P 12 31N 6W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6312'		Perforations: 5366' - 5798'		County Rio Arriba	
Tubing Size 2 3/8"		Weight 4.7#		Set At 6196'		Perforations: 5820' - 6175'		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"			739	46	750		0
1					158	59	675		0.5 hr
2					160	59	630		1.0 hr
3					160	61	602		1.5 hrs
4					163	62	579		2.0 hrs
5					157	63	545		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		169	0.9971	1.29	1.016	2121	
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	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$	(2) $\frac{Pc2^n}{Pc2-Pw2} =$
762		557	310249	270395	2.1473918	1.7739177

Absolute Open Flow 3763		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission: <i>H. Silman</i>	Conducted By: Dave Snedden	Calculated By: Tracy Ross	Checked By:

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