

**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 7/3/2006		Well Number (API #) #266A (API # 30-039-29671)				
Completion Date 6/28/2006		Total Depth 3749'		Plug Back TD		Elevation 6769'		Unit Sec Twp Rng P 28 31N 05W	
Casing Size 7"		Weight 23#		Set At 3501'		Perforations:		County Rio Arriba	
Tubing Size 2 7/8"		Weight 6.5#		Set At 3524'		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"				150	50	940		0
1					150	50	920		0.5 hr
2					135	45	920		1.0 hr
3					120	45	850		1.5 hrs
4					100	40	820		2.0 hrs
5					90	40	800		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					102	1.0198	1.29	1.011	1303
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 xxxxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	952	Pc2	906304			
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$	(2) $\frac{Pc2^n}{Pc2-Pw2} =$
1		812	659344	246960	3.6698413	2.6514623
2						
3						
4						
AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} =$ 3455						
Absolute Open Flow		3455	Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75	

Remarks:

Approved By Commission:

Conducted By:

Calculated By:

Checked By:

Mark Lepich

Tracy Ross

