

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 11/3/2005		Well Number (API #) #232A (API # 30-039-29507)				
Completion Date 11/3/2005		Total Depth 3396'		Plug Back TD		Elevation 6416'		Unit Sec Twp Rng J 20 31N 05W	
Casing Size 5 1/2"		Weight 17#		Set At 3385'		Perforations: 3140' - 3298'		County Rio Arriba	
Tubing Size 2 7/8"		Weight 6.5#		Set At 3353'		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"				300	68	750		0
1					225	68	625		0.5 hr
2					225	62	500		1.0 hr
3					25	62	420		1.5 hrs
4					20	53	300		2.0 hrs
5					15	53	300		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,Mcf/d
1	9.604					27	1.0068	1.29	1.002	337
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	762	Pc2	580644						
NO	Ptl	Pw	Pw2	Pc2-Pw2	(1) Pc2 =	1.2014153	(2) Pc2^n =	1.1475454	
1		312	97344	483300	Pc2-Pw2		Pc2-Pw2		
2					AOF = Q	Pc2^n =	387	Pc2 - Pw2	
3									
4									
Absolute Open Flow		387	Mcf @ 15.025		Angle of Slope			Slope, n	0.75

Remarks:			
Approved By Commission: <i>H. Villanueva</i>	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

JUL 12 2006

