

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 (API #) #274A (API # 30-045-33245)				
Completion Date 9/20/2006		Total Depth 3470'		Plug Back TD		Elevation 6328'		Unit Sec Twp Rng I 16 31N 06W	
Casing Size 5 1/2"		Weight 17#		Set At 3470'		Perforations: 3450' - 3360'		County San Juan	
Tubing Size 2 7/8"		Weight 6.5#		Set At 3404'		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.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"				150	69	1000		0
1					140	69	960		0.5 hr
2					140	62	960		1.0 hr
3					110	62	840		1.5 hrs
4					105	54	840		2.0 hrs
5					105	54	790		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 _{sc} Mcfd	
1	9.604		117	1.0058	1.29	1.010	1473	
2								
3								
4								

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl. Deq.
1					A.P.I Gravity of Liquid Hydrocarbons _____	
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	1012	Pc2	1024144	
NO	Ptl	Pw	Pw2	Pc2-Pw2
1		802	643204	380940
2				
3				
4				

Absolute Open Flow 3092		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By:

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