

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 9/11/2006		Well Number #145B (API # 30-045-33133)				
Completion Date 8/22/2006		Total Depth 6100'		Plug Back TD		Elevation 6326'		Unit Sec Twp Rng A 16 31N 6W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6094'		Perforations: 5120' - 5524'		County San Juan	
Tubing Size 2 3/8"		Weight 4.7#		Set At 5981'		Perforations: 5598' - 5950'		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.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"				1086	93	1095		0
1					403	62	947		0.5 hr
2					380	65	886		1.0 hr
3	OCT 2006				365	67	844		1.5 hrs
4					350	68	807		2.0 hrs
5					332	68	770		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		344	0.9924	1.29	1.034	4373	
2								
3								
4								

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl. Deq.
1					A.P.I Gravity of Liquid Hydrocabrons _____	XXXXXX ____ p.s.i.a. ____ R
2					Specific Gravity Separator _____	
3					Specific Gravity Flowing Fluid xxxxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	
5					Critical Temperature _____ R	

Pc	1107	Pc2	1225449
NO	Ptl	Pw	Pw2
1		782	611524
2			
3			
4			

Absolute Open Flow 7344 Mcfd @ 15.025 Angle of Slope _____ Slope, n 0.75	
Remarks:	
Approved By Commission:	Conducted By: Ben Mitchell
Calculated By: Tracy Ross	Checked By:

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