

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 9/28/2006		Well Number (API #) #100B (API # 30-039-29547)				
Completion Date 8/31/2006		Total Depth 8014'		Plug Back TD 8001'		Elevation 6376'		Unit Sec Twp Rng O 21 31N 6W	
Casing Size 5 1/2"		Weight 17#		Set At 8011'		Perforations: 5388' - 5659'		County Rio Arriba	
Tubing Size 2-1/16"		Weight 3.25#		Set At 5989'		Perforations: 5702' - 5984'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At 6130'		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"				862	60	1135		0
1					295	62	918		0.5 hr
2					275	65	855		1.0 hr
3					262	67	812		1.5 hrs
4					250	68	780		2.0 hrs
5					235	69	735		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					247	0.9915	1.29	1.023	3104
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	1147	Pc2	1315609	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		747	558009	757600
2				
3				
4				

(1) $P_{c2} = 1.7365483$		(2) $P_{c2}^n = 1.512743$	
$P_{c2} - P_{w2}$		$P_{c2} - P_{w2}$	
AOF = Q $P_{c2}^n = 4695$			
$P_{c2} - P_{w2}$			

Absolute Open Flow 4695		Mcf/d @ 15.025		Angle of Slope _____		Slope, n 0.75	
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Remarks:			
Approved By Commission:		Conducted By: Jeff Gordy	
		Calculated By: Tracy Ross	
		Checked By:	