

Operator Williams Production Company										Lease or Unit Name Rosa Unit											
Test Type X Initial Annual Special					Test Date 7/22/2005					Well Number (API #) #156B (API # 30-045-32745)											
Completion Date 7/11/2005			Total Depth 6123'			Plug Back TD			Elevation 6386'			Unit J		Sec 9		Twp 31N		Rng 6W			
Casing Size 4 1/2"			Weight 10.5#		d		Set At 6123'		Perforations: 5155' - 5520'					County San Juan							
Tubing Size 2-3/8"			Weight 4.7#		d		Set At 6013'		Perforations: 5623' - 5976'					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"						692		65		964				0			
1										305		64		799				0.5 hr			
2										267		67		712				1.0 hr			
3										246		68		664				1.5 hrs			
4										222		69		628				2.0 hrs			
5										210		71		583				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							222		0.9896		1.29		1.028		2798				
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		976		Pc2		952576															
NO		Pt1		Pw		Pw2		Pc2-Pw2		(1) $\frac{Pc2}{Pc2-Pw2} = \underline{\underline{1.5914701}}$										(2) $\frac{Pc2^n}{Pc2-Pw2} = \underline{\underline{1.4169315}}$	
1				595		354025		598551													
2																					
3										AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \underline{\underline{3965}}$											
4																					
Absolute Open Flow				3965				Mcf/d @ 15.025				Angle of Slope _____				Slope, n 0.75					
Remarks:																					
Approved By Commission: 					Conducted By: Sherry Brooks					Calculated By: Tracy Ross					Checked By: 						