

30-039-29845

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 ☒ Initial ☐ Annual ☐ Special			Test Date 8/11/2006		Well Number (API #) #162B (API # 30-039-29845)				
Completion Date 7/23/2006		Total Depth 6203'		Plug Back TD 6153'		Elevation 6465'		Unit Sec Twp Rng P 30 31N 5W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6174'		Perforations: 5478' - 5606'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6017'		Perforations: 5712' - 5996'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 6017'		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.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"				794	65	1098		0
1					390	61	978		0.5 hr
2					291	62	914		1.0 hr
3					287	63	867		1.5 hrs
4					285	64	833		2.0 hrs
5					284	66	797		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					296	0.9943	1.29	1.030	3756
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 _____				XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx				
4					Critical Pressure _____ p.s.i.a.				_____ p.s.i.a.
5					Critical Temperature _____ R				_____ R

Pc	1110	Pc2	1232100	
NO	Ptl	Pw	Pw2	Pc2-Pw2
1		809	654481	577619
2				
3				
4				

Absolute Open Flow 6629		Mcf @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Bill Beevers	Calculated By: Tracy Ross	Checked By: