

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 10/8/2003		Well Number #160B				
Completion Date 9/26/2003		Total Depth 8028'		Plug Back TD 8000'		Elevation 6410'		Unit Sec Twp Rng L 25 31N 6W	
Casing Size 5 1/2"		Weight 17#		Set At 8025'		Perforations: 5161' - 5607'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 5932'		Perforations: 5643' - 5945'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At 6038'		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"				955	81	955		0
1					250	60	895		0.5 hr
2					225	59	875		1.0 hr
3					215	59	865		1.5 hrs
4					210	59	860		2.0 hrs
5					220	59	840		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, Mcfd
1	9.604					232	1.001	1.29	1.017	2926
2										
3										
4										

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

Pc	967	Pc2	935089
NO	Pt1	Pw	Pw2
1		852	725904
2			
3			
4			

Absolute Open Flow 8996		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By: