

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 10/18/2000		Well Number #153A				
Completion Date 10/13/2000		Total Depth 6082'		Plug Back TD 6050'		Elevation 6303'		Unit Sec Twp Rng A 17 31N 5W	
Casing Size 4-1/2"		Weight 10.5#		Set At 6082'		Perforations: 4453' - 5593'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5921'		Perforations: 5616' - 5964'		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"				625	66	1083		0
1					287	65	995		0.5 hr
2					270	66	952		1.0 hr
3					266	67	924		1.5 hrs
4					270	69	899		2.0 hrs
5					268	72	856		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					280	0.9887	1.29	1.034	3546
2										
3										
4										

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

Pc	1095	Pc2	1199025
NO	Pt1	Pw	Pw2
1		868	753424
2			
3			
4			

Absolute Open Flow 7451 Mcfd @ 15.025 Angle of Slope _____ Slope, n 0.75	
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Remarks:			
Approved By Commission:	Conducted By: Matt Crane	Calculated By: Tracy Ross	Checked By: David Spitz