

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 5/23/2002		Well Number #150B				
Completion Date 5/8/2002		Total Depth 7971'		Plug Back TD 7949'		Elevation 6309'		Unit Sec Twp Rng D 32 32N 6W	
Casing Size 5 1/2"		Weight 17#		Set At 7971'		Perforations: 4633' - 5504'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 5855'		Perforations: 5557' - 5873'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 5925'		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"				990	77	990		0
1					185	52	970		0.5 hr
2					210	61	920		1.0 hr
3					236	63	900		1.5 hrs
4					270	64	880		2.0 hrs
5					250	62	860		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					262	0.9981	1.29	1.025	3321
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	1002	Pc2	1004004	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		872	760384	243620
2				
3				
4				

Absolute Open Flow 9605		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: