

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Williams Production Company					Lease or Unit Name ROSA				
Test Type X Initial Annual Special			Test Date 10/15/2001		Well Number #342				
Completion Date 9/20/2001		Total Depth 3205'		Plug Back TD		Elevation 6316'		Unit Sec Twp Rng G 21 31N 06W	
Casing Size 5.5"		Weight 17#		Set At 3173'		Perforations: From 3064' To 3165'		County RIO ARRIBA	
Tubing Size 2-7/8"		Weight 4.7#		Set At 3143'		Perforations: From To		Pool BASIN	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation FC		
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection	
I		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"				0	65	1590		0
1					645	68	1425		0.5 hr
2					445	70	1290		1.0 hr
3					385	65	820		1.5 hrs
4					190	68	625		2.0 hrs
5					85	68	420		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					97	0.9924	1.29	1.008	1202
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 _____					
3					Specific Gravity Flowing Fluid xxxxxxxxxx					XXXXXXX
4					Critical Pressure _____ p.s.i.a.					____ p.s.i.a.
5					Critical Temperature _____ R					____ R

Pc	1602	Pc ²	2566404	
NO	Ptl	Pw	Pw ²	Pc ² -Pw ²
1		432	186624	2379780
2				
3				
4				

Absolute Open Flow 1272		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: