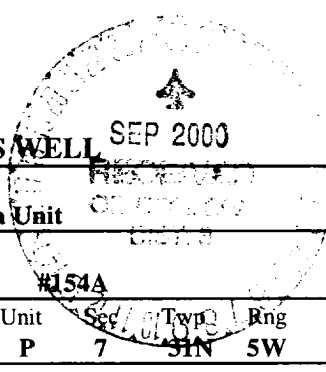


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 8/24/2000		Well Number #154A				
Completion Date 8/18/2000		Total Depth 6125'		Plug Back TD 6050'		Elevation 6353'		Unit P 7	
Casing Size 4-1/2"		Weight 10.5#		Set At 6132'		Perforations: 4659' - 5626'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5862'		Perforations: 5695' - 5949'		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"				1075		1075		0
1					270	64	980		0.5 hr
2					270	66	935		1.0 hr
3					265	68	910		1.5 hrs
4					260	68	890		2.0 hrs
5					230	70	810		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				242	0.9905	1.29	1.028	3053
2									
3									
4									

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

Pc	Pt1	Pw	Pw2	Pc2-Pw2	(1) Pc2 = Pc2-Pw2	(2) Pc2^n = Pc2-Pw2
1087					2.3356474	1.8893197
1		822	675684	505885		
2						
3						
4						

Absolute Open Flow 5768		Mcf @ 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: David Spitz