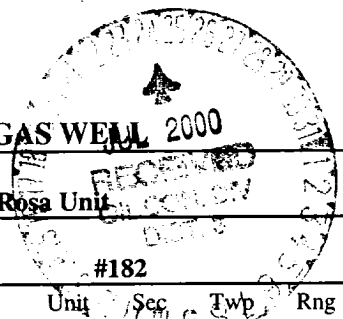


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 2000**



Operator Williams Production Company				Lease or Unit Name Rosa Unit						
Test Type X Initial Annual Special			Test Date 7/15/2000		Well Number #182					
Completion Date 7/7/2000		Total Depth 6080'		Plug Back TD 6050'		Elevation 6335'	Unit N	Sec 18	Twp 31N	Rng 5W
Casing Size 4-1/2"		Weight 10.5#	d	Set At 6080'	Perforations: 4611' - 5589'			County Rio Arriba		
Tubing Size 2-3/8"		Weight 4.7#	d	Set At 5891'	Perforations: 5659' - 5890'			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"			1080		1115		0		
1					290	63	1030		0.5 hr		
2					265	65	990		1.0 hr		
3					255	66	955		1.5 hrs		
4					250	67	930		2.0 hrs		
5					245	68	890		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		257	0.9924	1.29	1.029	3251	
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
2					Specific Gravity Separator _____	
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

NO	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$	(2) $\frac{Pc2^n}{Pc2-Pw2} =$
1		902	813604	456525	2.7821675	2.1542071
2						
3						
4						

AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} =$ **7004**

Absolute Open Flow 7004		Mcf/d @ 15.025		Angle of Slope _____		Slope, n 0.75	
Approved By Commission:		Conducted By: Mark Lepich		Calculated By: Tracy Ross		Checked By: David Spitz	