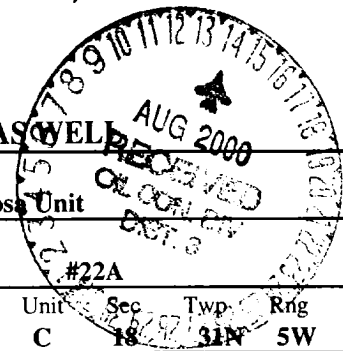


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Operator Williams Production Company				Lease or Unit Name Rosa Unit			
Test Type X Initial Annual Special			Test Date 8/8/2000		Well Number #22A		
Completion Date 8/4/2000		Total Depth 6290'		Plug Back TD 6200'		Elevation 6515'	Unit Sec Twp Rng C 18 31N 5W
Casing Size 4-1/2"		Weight 10.5#	d	Set At 6290'	Perforations: 4821' - 5793'		County Rio Arriba
Tubing Size 2-3/8"		Weight 4.7#	d	Set At 6065'	Perforations: 5837' - 6092'		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"			805		1030		0
1					275	68	970		0.5 hr
2					270	66	940		1.0 hr
3					270	66	910		1.5 hrs
4					265	66	890		2.0 hrs
5					255	68	855		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					267	0.9924	1.29	1.029	3378
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 _____					XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx					
4					Critical Pressure _____ p.s.i.a.					_____ p.s.i.a.
5					Critical Temperature _____ R					_____ R

Pc	1042	Pc2	1085764								
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)	Pc2 =	3.2500606	(2)	Pc2^n =	2.4205753	
1		867	751689	334075		Pc2-Pw2			Pc2-Pw2		
2					AOF = Q	Pc2^n =	8177	Pc2 - Pw2			
3											
4											
Absolute Open Flow		8177	Mcf @ 15.025		Angle of Slope			Slope, n			0.75

Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: David Spitz