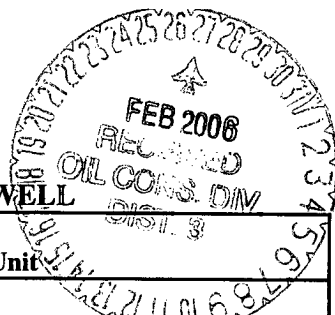


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 1/31/2006		Well Number (API #) #220A (API # 30-039-29484)				
Completion Date 1/30/2006		Total Depth 3228'		Plug Back TD		Elevation 6288'		Unit Sec Twp Rng E 13 31N 06W	
Casing Size 5 1/2"		Weight 17#		Set At 3215'		Perforations: 2994' - 3132'		County Rio Arriba	
Tubing Size 2 7/8"		Weight 6.5#		Set At 3186'		Perforations:		Pool Basin	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation Fruitland Coal		
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"			235	67	1190		0
1					225	67	1142		0.5 hr
2					225	61	1142		1.0 hr
3					195	61	1020		1.5 hrs
4					190	52	1020		2.0 hrs
5					190	52	970		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					202	1.0078	1.29	1.018	2568
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	1202	Pc2	1444804
NO	Pt1	Pw	Pw2
1		982	964324
2			
3			
4			

(1) Pc2 = 3.0070013		(2) Pc2^n = 2.2834958	
Pc2-Pw2		Pc2-Pw2	
AOF = Q Pc2^n = 5863 Pc2 - Pw2			
Absolute Open Flow 5863		Mcf @ 15.025	
Angle of Slope _____		Slope, n 0.75	

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