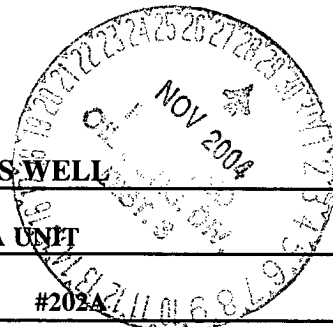


30-039-27703



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 10/5/2004		Well Number #202A			
Completion Date 8/7/2004	Total Depth 3534'	Plug Back TD	Elevation 6218'	Unit E	Sec 23	Twp 31N	Rng 6W
Casing Size 5-1/2"	Weight 17#	d	Set At 3069'	Perforations: 2890' - 3060'	County RIO ARRIBA		
Tubing Size 2-7/8"	Weight 6.5#	d	Set At 3047'	Perforations:	Pool BASIN		
Type Well - Single-Bradenhead-GG or GO Multiple			Packer Set At	Formation FT			
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"				302		174		0
1					12	72	65		0.5 hr
2					8	74	62		1.0 hr
3					12	75	58		1.5 hrs
4					8	75	47		2.0 hrs
5					5	79	32		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					17	0.9822	1.29	1.004	208
2										
3										
4										
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration A.P.I Gravity of Liquid Hydrocabrons _____ Specific Gravity Separator _____ Specific Gravity Flowing Fluid xxxxxxxxxx Critical Pressure _____ p.s.i.a. Critical Temperature _____ R					Mcf/bbl. Deq. XXXXXX ____ p.s.i.a. ____ R
1										
2										
3										
4										
5										

Pc	<u>186</u>	Pc ²	<u>34596</u>						
NO	Pt1	Pw	Pw ²	Pc ² -Pw ²					
1		44	1936	32660					
2									
3									
4									
Absolute Open Flow		<u>217</u>	Mcf @ 15.025		Angle of Slope _____		Slope, n 0.75		
Remarks:									
Approved By Commission:			Conducted By: Mark Lepich			Calculated By: Tracy Ross		Checked By:	