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

Operator			-		11 BACK F	T BACK PRESSURE TEST FOR GAS WELL Lease or Unit Name					
	Williams Production Company						NV 11 NV 1	ROSA UNI	IT		
<u>X</u> In	Test Type <u>X</u> Initial Annual		Special	Test Date 11/1/2004			Well Number	mber #212A (API # 30-039-27818)			
Completion Date 10/16/2004		Total Dep	Total Depth 3168'		Plug Back TD		Elevation 6210'		Sec Twp 14 311	-	
		Weight	d	Set At Perforations:				County			
	-1/2''	17#]	3168'		2894' - 3070)'		RIO ARRIB	A	
		Weight	d	Set At	Perforations:			Pool			
2-7/8" 6.5#			3107'					BASIN			
Type Well - Single-Bradenhead-GG or G			or GO Multiple		Packer Set At]		Formation FT		· , <u> =</u> ·	
Producing Thru Res		Reservoir	Reservoir Temp. oF		ual Temp. oF		Barometer	Pressure - Pa Connection			
L	H	Gq 0.6	%CO2	<u> </u>	%N2	%H2S	. <u>I</u>	Prover 3/4"	Meter Run	Taps	
				I V DATA		TUBING I			NG DATA		
	Dearra			1	Temperature	LOBIN	Temperature	CASII	Temperature	+	
	Prover Line	X Orifi Size	ce	Pressure	oF	Pressure	oF	Pressure	oF	Duration o	
NO	Size	Size		p.s.i.q	01,	p.s.i.q	l or	p.s.i.q	Ur Ur	Flow	
SI	Size	2" X 3/	4''	p.s.1.q		360	<u> </u>	165		0	
1		2 1 3	<u>-</u>			10	68	65		0.5 hr	
2		-				10	68	65	-	1.0 hr	
3						5	68	50		1.5 hrs	
4						5	68	50	 	2.0 hrs	
5						5	72	45	-	3.0 hrs	
<u> </u>				DATE (FLOW CAL		1 12	1 40	<u> </u>	1 3.0 nrs	
	<u> </u>		· · · · · · · · · · · · · · · · · · ·	KAIE	T PLOW CAL	COLATION	Flow Temp.	Cunsile.	C	Data of	
		6	CC :			D	1 -	Gravity	Super	Rate of	
NO			Coefficient		hwPm	Pressure	Factor	Factor	Compress.	Flow	
NO			24 Hours)			Pm	Fl	Fq 1.20	Factor, Fpv	Q,Mcfd	
1	+		9.604		 	17	0.9887	1.29	1.004	209	
2	_						<u> </u>	1		-	
3							ļ		<u> </u>	 	
4	<u> </u>	1 m	<u> </u>	T =	G 7: :177	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	
NO	Pı	Temp. o	oR Tr	Z	-	ydrocarbon Ra				Mcf/bbl.	
1	+				A.P.I Gravity of Liquid Hydrocabrons Specific Gravity Separator					Deq.	
2											
3					Specific Gravity Flowing Fluid xxxxxxxxx Critical Pressure					XXXXXX	
4	+							_p.s.i.a.		p.s.i.a	
5	1==				Critical Temp	erature	·	R		R	
Pc	<u> 177</u>	Pc ²	31329	- 2 - 2		_ ?			_ 2		
NO	Pt		Pw ²	Pc ² -Pw ²	(1)	$\frac{Pc^2}{2} = \frac{1}{2}$	<u>1.1157051</u>	(2)	$\frac{Pc^2 \wedge n}{2} =$	<u>1.0856</u>	
1		57	3249	28080	_	Pc^2-Pw^2			Pc^2-Pw^2		
2					_	•					
3					AOF = Q	$\frac{Pc^2 \wedge^n}{Pc^2 - Pw^2} =$	<u>227</u>				
4	·			1							
	Open Flo	w <u>227</u>	Mcfd @ 15.	.025	Angle of Slop	e		Slope, n	0.75		
Remarks:						Ta	20 1 (2)	25.27.20			
Approved By Commission: Conducted By				By: Mark Lepic			vritoss Poss	Checked B			
							CT OIL	NS. ON.	12345		
							1.15.13	101.680	•		