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

Operator							Lease or Unit Name				
	Williams Production Company					Rosa Unit					
Test Type <u>X</u> Ini	oe <i>Initial</i> Annual		Special	Test Date 12/9/2004			Well Number #23C (API #30-039-27609)				
Completion Date		Total Depth	Total Depth		Plug Back TD		Elevation		Sec Twp	Rng	
11/24/2004		8090'		8085'		6399'		L	29 31	_	
Casing Size		Weight	d	Set At	Perforations:	ations:		County			
5-1/2"		17#	<u></u>	8090'	90' 7898' - 8080') †	Rio Arriba			
Tubing Size		Weight	d	Set At Perforations:				Pool			
2-1/16"		3.25#		8055'			Basin				
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At Formation DK						
Tubing		Reservoir Te	Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection		
L	Н	Gq	%CO2		%N2	%H2S		Prover	Meter Run	Taps	
		0.6						3/4"		1 1	
	FLOW DATA				•	TUBING DATA CASIN			IG DATA		
	Prover	X Orifice			Temperature		Temperature		Temperature		
	Line	Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of	
NO	Size			p.s.i.q		p.s.i.q		p.s.i.q		Flow	
SI	2" X 3/4"					1110	46	965		0	
1						225	90	980		0.5 hr	
2						180	85	980		1.0 hr	
3						140	81	980		1.5 hrs	
4						130	79	975		2.0 hrs	
5						110	77	975		3.0 hrs	
				RATE O	F FLOW CAL	CULATION	-				
	ļ			•			Flow Temp.	Gravity	Super	Rate of	
	Coefficient					Pressure	Factor	Factor	Compress.	Flow	
NO	(24 Hours)				hwPm	Pm	Fl	Fq	Factor, Fpv	Q,Mcfd	
1	9.604				122	0.984	1.29	1.017	1513		
2											
3	ļ										
4											
NO	Pr	Temp. oR	Tr	Z						Mcf/bbl.	
1	A.P.I Gravity of Liquid Hydrocabrons						Deq.				
2	Specific Gravity Separator						XXXXXX				
3					Specific Gravity Flowing Fluid xxxxxxxxxxx						
4	-				Critical Pressu			p.s.i.a.		p.s.i.a.	
5					Critical Tempe	Critical Temperature R					
Pc	977	Pc2	954529								
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)		<u>-48.601273</u>	(2)		<u> #NUM!</u>	
1	ļ	987	974169	-19640		Pc2-Pw2			Pc2-Pw2		
2											
3		 			AOF = Q	$Pc2^n =$	<u>#NUM!</u>				
4		//	1. 01 0 15 0			Pc2 - Pw2					
Absolute Open Flow #NUM! Mcfd @ 15.025)25	Angle of Slope	e		Slope, n	0.75		
Remarks: Approved By Commission: Conducted By:									75 A. V	<u> १</u> २४४०	
	Commission Chru		Conducted B Bill B	y: eevers/Michae	l Gurule	Calculated By Tracy	r: · Ross	Checked By:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CO C	
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MAY 2006
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OF COMMENT