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

Operator Operator						Lease or Unit Name				
Williams Production Company						Rosa Unit				
Test Type Test Date					Well Number					
X Initial Annual			Special		10/29/2002		#41B			
Completion Date		Total Depth		Plug Back TD		Elevation		Unit	Sec Twp	Rng
10/9/2002		8484'		84	157'	6416'		A	06 311	1 5W
Casing Size Weight		d	Set At Perforation				County			
5 1/2"		17#		8481'	8316' - 8423'			Rio Arriba		
		Weight	d	Set At	Perforations:			Pool		
2 1/16"		3.25#		8400'			Basin DK			
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At			Formation		
	g.v zinev.								DK	
Producing Thru Reservoir Ten			np. oF Mean Annual		l Temp. oF		Barometer I	Pressure - Pa	Connection	
Tubing			V		•					
	H	Gq	%CO2		%N2	%H2S		Prover	Meter Run	Taps
	11	0.6	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					3/4"		1
		FLOW DATA				TUBING DATA		CASIN	G DATA	
	Drouge	X Orifice	211111		Temperature		Temperature		Temperature	
l i		X Onfice Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of
1	Line Size	Size		p.s.i.q		p.s.i.q		p.s.i.q		Flow
NO SI	Size	2" X 3/4"		p.s.r.q		1145	36	855		0
		2 A 314		-		75	67	855		0.5 hr
1				 	 	65	64	855		1.0 hr
2					<u> </u>	50	61	855		1.5 hrs
3					 	45	60	855		2.0 hrs
4				 		35	60	855		3.0 hrs
5				DATE C	F FLOW CAL			033	L	
ļ				RATEC	T FLOW CAL	COLATION	Flow Temp.	Gravity	Super	Rate of
						Dwaggura	Factor	Factor	Compress.	Flow
	Coeffi					Pressure	Fl	Fq	Factor, Fpv	Q,Mcfd
NO	(24 Hours)				hwPm	Pm 47	1.000	1.29	1.003	584
1	9,604				-		1.000	1.27	1.005	204
2				 _	-		 	 		
3					-		 			
4					C. I	- d D	l			Mcf/bbl.
NO	Pr	Temp. oR	Tr	Z	⊣ ^	Gas Liquid Hydrocarbon Ration				Deq.
1		↓	ļ	-						XXXXXX
2		 		-						ΔΛΛΛΛ
3			<u> </u>	 	Specific Gravity Flowing Fluid xxxxxxxxxx					p.s.i.a.
4					Critical Pressure			_p.s.i.a		p.s.i.a. R
5		ļ			Critical Temp	perature		R		
	867	Pc2	<u>751689</u>		1		HT TT IO	(0)	D-24-	#DIX//01
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)		<u>#DIV/0!</u>	(2)		<u>#DIV/0!</u>
1		867	751689	0	4	Pc2-Pw2			Pc2-Pw2	
2			<u> </u>		4		UTS TX 7 10 *			
3			<u> </u>		AOF = Q	$Pc2^n =$	<u>#DIV/0!</u>			
4					<u> </u>	Pc2 - Pw2		Tai	0.55	
Absolute C	pen Flow	#DIV/0!	Mcfd @ 15	.025	Angle of Slo	pe		Slope, n	0.75	
Remarks:								Tay i is		
Approved By	Commission	n:	Conducted	-		Calculated E	=	Checked By:	:	
1			1	Larry Higgi	ns	Trae	cy Ross			