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

Williams Production Company						Lease or Unit Name				
Test Type Test Date					Well Number					
X Initial Annual			Special	11/18/98			#147A			
Completion Date Total Dept					Elevation	<u> </u>	Unit	Sec Twr	Rng	
								H	33 31N	_
Casing Size	2	Weight	d	Set At	Perforations:	en 173 /2	11/11/51/2	Edwy.		
				From To In E GEIV		3 BIV	RIO ARRIBA			
Tubing Size Weight		d Set At		Perforations:		au a = 101	Pol			
Type Well - Single-Bradenhead-GG or		COMultiple		From To WW NOV		ON 5 2 12			BLANCO	
Type well	- Single-Brad	ennead-GG or	JO Multiple		Packer Set At		(ON)	Formation		
Producing Thru Reservoir T			emp oF	Mean Annu	al Temp. oF			PBU	MV	
Tubing		emp. of pytean Aina		ar remp. or		Burometer Pressure - Pa		Connection		
L	H	Gq	%CO2	_L	%N2	%H2S	_1	Prover	Meter Run	Taps
		0.6						3/4"	ivicioi Ruii	Taps
FLO			W DATA		<del></del>	TUBING DATA			ig data	·
	Prover	X Orifice	· · · · · · · · · · · · · · · · · · ·		Temperature		Temperature		Temperature	<u> </u>
	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	ļ	2" X 3/4"		ļ	<u> </u>	1178		1181		0
1	<del>-</del>		<del> </del>	<b>-</b>	<u> </u>	488	56	1077		0.5 hr
3	<del>                                     </del>	<del></del>		<del> </del>	<u> </u>	417	62	1024		1.0 hr
<u>3</u>	<del> </del>				<del></del>	406	63	991		1.5 hrs
<del>-</del>				<del> </del>	<del> </del>	397	66	968		2.0 hrs
<del></del>			<del></del>	RATEC	F FLOW CAL	381	68	932		3.0 hrs
	1		<del></del>	Terre	A TEOW CAE	COLATION	Flow Temp.	Gravity	Super	Data of
	ļ	Coef	ficient			Pressure	Factor	Factor	Compress.	Rate of Flow
NO	(24 Hours)			hwPm	Pm	FI	Fq	Factor, Fpv	Q,Mcfd	
1	9.604				393	0.9924	1.29	1.04	5025	
2										
3	ļ	<u>-</u>								<del> </del>
4			1	· · · · · · · · · · · · · · · · · · ·	<u> </u>					
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hy	drocarbon Ra	ation			Mcf/bbl.
<u>l</u>	A.P.I Gravity of Liquid Hydroca							<del></del>	<u>-</u>	Deq.
3	-	Specific Gravity Separator								
4	<del></del>	10 33 12								XXXXXX
5	Critical Pressurep.s.i.a.  Critical Temperature R							p.s.i.a.		
Pc	1193	Pc <sup>2</sup>	1423249		Critical Tempe	Tature			· · · · · · · · · · · · · · · · · · ·	R
NO	Pt1	Pw	Pw <sup>2</sup>	Pc <sup>2</sup> -Pw <sup>2</sup>	(1)	$\underline{Pc}^2 =$	2.674712	(2)	$Pc^2 \wedge n =$	2.0915
1		944	891136	532113	1	$Pc^2-Pw^2$	2.07.17.12	(2)	$\frac{1c \cdot n}{Pc^2 - Pw^2}$	4.0713
2									1 C -1 W	
3					AOF = Q	$\underline{Pc^{2\wedge n}} =$	<u>10510</u>			
4						$Pc^2 - Pw^2$				
Absolute Open Flow 10510			Mcfd @ 15.0	25	Angle of Slope			Slope. n 0.75		
Remarks:										
Approved By Commission:			Conducted By	y:		Calculated By:		Checked By:		
					İ			·		