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

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special	Test Date SEPT 2,1995

Company **Williams Production Company**	Connection

Pool Basin	Formation Dakota	Unit Rosa

Completion Date 8-17-95	Total Depth 8090'	Plug Back TD 8048'	Elevation 6326'	Farm or Lease Name

Casing Size	Weight	d	Set At	Perforations: From To	Well No. 148

Tubing Size	Weight	d	Set at	Perforations: From To	Unit Sec Twp Rng O 02 31N 6W

Type Well - Single - Bradenhead - GG or GO Multiple	Packer Set At	County Rio Arriba

Producing Thru Tubing	Reservoir Temp. oF	Mean Annual Temp. oF	Barometer Pressure - P_a	State New Mexico

L	H	Gq .6	%CO₂	%N₂	%H₂S	Prover 3/4"	Meter Run	Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover X Line 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
SI	2" X 3/4"			2454				0
1.				334	55·			0.5 hr
2.				261	61·			1.0 hr
3.				216	64·			1.5 hrs
4.				193	66·			2.0 hrs
5.				170	67·			3.0 hrs

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		182	.9933	1.29	1.021	2.288
2.							
3.							
4.							

NO.	P_r	Temp. oR	T_r	Z	
1.					Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.
2.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.
3.					Specific Gravity Separator _____ XXXXXX
4.					Specific Gravity Flowing Fluid __xxxxx__
5.					Critical Pressure _____ p.s.i.a. __p.s.i.a.__
P_c 2466	P_c^2 6081156				Critical Temperature _____ R R

NO	P_t^1	P_w	P_w^2	$P_c^2 - P_w^2$	
1.		182	33124	6048032	(1) $\dfrac{P_c^2}{P_c^2 - P_w 2} = 1.0055$ (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0041$
2.					
3.					AOF = Q $\left[\dfrac{P_c}{P_c^2 - P_w^2}\right]$ = 2297
4.					

Absolute Open Flow 2297	Mcfd @ 15.025	Angle of Slope e	Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Susan Griguhn	Checked By: