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 5, 1996	
Company: Williams Production Company			Connection					
Pool: Blanco			Formation: Mesaverde				Unit: Rosa	
Completion Date: 8-18-96	Total Depth: 8275'		Plug Back TD: 8251'		Elevation: 6490'		Farm or Lease Name: Rosa Unit	
Casing Size	Weight	d	Set At	Perforations: From To			Well No.: 30	
Tubing Size: 1-1/4"	Weight: 2.33#	d	Set at: 6100'	Perforations: From 5573' To 6154'			Unit O / Sec 12 / Twp 31N / Rng 6W	
Type Well - Single - Bradenhead - GG or GO Multiple			Packer Set At: 6250'				County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P_a		State: New Mexico	
L	H	Gq: .6	%CO_2	%N_2	%H_2S	Prover: 3/4"	Meter Run	Taps

	FLOW DATA			TUBING DATA		CASING DATA		
NO.	Prover X Line / Orifice Size	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration of
SI	2" X 3/4"			1144		1146		0
1.				163	57°	1092		0.5 hr
2.				159	57°	1079		1.0 hr
3.				158	58°	1058		1.5 hrs
4.				158	58°	1056		2.0 hrs
5.				157	59°	1032		3.0 hrs

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OIL CON. DIV.
DIST. 3

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		169	1.0010	1.29	1.013	2123
2.							
3.							
4.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator _____ XXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ p.s.i.a. _____ p.s.i.a.
Critical Temperature _____ R _____ R

P_c 1158 P_c^2 1340964

NO	P_t^1	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1044	1089936	251028
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w 2}$ = 5.3419 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 3.5138

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 7460

Absolute Open Flow 7460 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By: C. Charley	Calculated By: Susan Griguhn	Checked By: