Form C-122

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

Type Test: ☒ Initial ☐ Annual ☐ Special								Test Date: Nov 15, 1996	
Company: Williams Production Company				Connection					
Pool: Basin				Formation: Dakota				Unit: Rosa	
Completion Date: 10-31-96	Total Depth: 8138'			Plug Back TD: 8113'		Elevation: 6505'		Farm or Lease Name: Rosa Unit	
Casing Size	Weight	d		Set At	Perforations: From To			Well No.: 24A	
Tubing Size: 1-1/2"	Weight: 2.9#	d		Set at: 8085'	Perforations: From 7976' To 8135'			Unit: E Sec: 32 Twp: 31N Rng: 5W	
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 Line X Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration of
SI	2" X 3/4"			2466				0
1.				223	56°			0.5 hr
2.				159	58°			1.0 hr
3.				141	60°			1.5 hrs
4.				121	62°			2.0 hrs
5.				103	62°			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		115	.9981	1.29	1.012	1439
2.							
3.							
4.							

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

P_c 2478 P_c^2 6140484

NO.	P_t^1	P_w	P_w^2	$P_c^2 - P_w^2$
1.		115	13225	6127259
2.				
3.				
4.				

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

(1) $\frac{P_c^2}{P_c^2 - P_w 2} = 1.0022$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0016$

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1441$

Absolute Open Flow 1441 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

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

RECEIVED
NOV 25 1996
OIL CON. DIV.
DIST. 3