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: June 21,1995	
Company: Williams Production Company			Connection:					
Pool: Blanco			Formation: Mesaverde				Unit: Rosa	
Completion Date: 6-11-95	Total Depth: 5920'		Plug Back TD: 5876'		Elevation: 6203'		Farm or Lease Name:	
Casing Size	Weight	d	Set At	Perforations: From To			Well No.: 20A	
Tubing Size	Weight	d	Set at	Perforations: From To			Unit: O Sec: 14 Twp: 31N Rng: 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	$\%CO_2$	$\%N_2$	$\%H_2S$	Prover: 3/4"	Meter Run	Taps

	FLOW DATA			TUBING DATA		CASING DATA		
NO.	Prover Line Size X 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 Flow
SI	2" X 3/4"			951		953		0
1.				334	64°	833		0.5 hr
2.				313	67°	794		1.0 hr
3.				301	71°	769		1.5 hrs
4.				291	71°	746		2.0 hrs
5.				266	71°	718		3.0 hrs

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1.	9.604		288	.9896	1.29	1.023	3.612
2.							
3.							
4.							
5.							

NO.	P_r	Temp. oR	T_r	Z
1.				
2.				
3.				
4.				
5.				

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

P_c 965 P_c^2 931,225

NO.	P_t^1	P_w	P_w^2	$P_c^2 - P_w^2$
1.		730	532.900	398.325
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w 2}$ = 2.3379 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]$ = 1.8907

$AOF = Q \left[\frac{P^c_2}{P^c_2 - P_w^2}\right]^n$ = 6,829

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

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By: