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: 08/03/94	
Company: WILLIAMS PRODUCTION COMPANY			Connection:					
Pool: BLANCO			Formation: MESAVERDE				Unit: ROSA	
Completion Date: 07/23/94	Total Depth:		Plug Back TD:		Elevation: 6425' GR		Farm or Lease Name: ROSA UNIT	
Casing Size:	Weight:	d:	Set At:	Perforations: From To			Well No.: #5A	
Tubing Size:	Weight:	d:	Set at:	Perforations: From To			Unit P / Sec 26 / Twp 31N / Rng 06W	
Type Well - Single - Bradenhead - GG or GO Multiple:			Packer Set At: 4000'			County: RIO ARRIBA		
Producing Thru: TUBING	Reservoir Temp. °F:		Mean Annual Temp. °F:		Barometer Pressure - P_a:		State: NEW MEXICO	
L	H	Gg	$\%CO_2$	$\%N_2$	$\%H_2S$	Prover	Meter Run: 2"	Taps

	FLOW DATA			TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F	Duration of Flow
SI	2" X 3/4"			1074				0
1.				208	58			30 MIN
2.				204	58			60 MIN
3.				202	59			1-1/2 HR
4.				199	60			2 HRS
5.				195	60			3 HRS

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_t	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1.	9.604		207	1.0	1.270	1.021	2,578
2.							
3.							
4.							
5.							

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

RECEIVED
AUG 15 1994
OIL CON. DIV.
DIST. 3

Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator GAS .62 XXXXXXX
Specific Gravity Flowing Fluid xxxxx _____
Critical Pressure _____ p.s.i.a. _____ p.s.i.a.
Critical Temperature _____ R _____ R

P_c 1086 P_c^2 1,179,396

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		207	42,849	1,136,547
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w 2}$ = 1.0377 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.0319

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2,660

Absolute Open Flow 2660 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: BELOW PACKER

Approved By Commission:	Conducted By: C. CHARLEY	Calculated By: STERGIE KATIRGIS	Checked By: