MULTIPOINT AND IE POINT BACK PRESSURE TE FOR GAS WELL

Tvpe Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 08/03/94
Company: WILLIAMS PRODUCTION COMPANY			Connection:		
Pool: ROSA			Formation: PICTURED CLIFFS		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 Sec Twp Rng: P 26 31N 06W
Type Well - Single - Bradenhead - GG or GO Multiple			Packer Set At: 4000'		County: RIO ARRIBA
Producing Thru: TUBING	Reservoir Temp. oF:		Mean Annual Temp. oF:	Barometer Pressure - P_a:	State: NEW MEXICO

L	H	Gg	$\%CO_2$	$\%N_2$	$\%H_2S$	Prover	Meter Run	Taps
						X	2"	

	FLOW DATA			TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Pressure p.s.i.g.	Temperature oF	Pressure p.s.i.g.	Temperature oF	Pressure p.s.i.g.	Temperature oF	Duration of Flow
SI	2" X 3/4"			1397	52	1401		S.I.
1.				308	54	1208		30 MIN
2.				279	56	1171		60 MIN
3.				264	58	1132		1-1/2 HR
4.				253	60	1104		2 HRS
5.				238	64	1052		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		250	.9962	1.270	1.019	3,095
2.							
3.							
4.							
5.							

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

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OIL CON. DIV.
DIST. 3

Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator GAS 0.620 XXXXXXX
Specific Gravity Flowing Fluid xxxxx _____
Critical Pressure _____ p.s.i.a. _____ p.s...a.
Critical Temperature R R

P_c 1431 P_c^2 1,996,569

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1064	1,132,096	864,473
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w 2} = 2.3095$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0370$

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 6,304

Absolute Open Flow 6304 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

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