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: 9/12/94	
Company: NORTHWEST PIPELINE CORPORATION			Connection: WILLIAMS PRODUCTION COMPANY					
Pool: BLANCO			Formation: PICTURED CLIFFS				Unit: ROSA	
Completion Date: 08/29/94	Total Depth: 5955'		Plug Back TD: 5932'		Elevation: 6474' GR		Farm or Lease Name: ROSA UNIT	
Casing Size: 4-1/2"	Weight: 10.5#	d: 4.052"	Set At: 5955'	Perforations: From 3113'	To 3208'		Well No.: #8A	
Tubing Size: 1-1/2"	Weight: 2.9#	d: 1.610"	Set at: 3203'	Perforations: From	To		Unit: L Sec: 26 Twp: 31N Rng: 06W	
Type Well - Single - Bradenhead - GG or GO Multiple: MULTIPLE			Packer Set At: 3880'				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	Taps
							2"	

	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"			1418		1418		0
1.				357	53	1198		0.5 HRS
2.				356	54	1148		1.0 HRS
3.				334	60	1137		1.5 HRS
4.				329	66	1118		2.0 HRS
5.				299	70	1079		3.0 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		311	.9905	1.270	1.028	3862
2.							
3.							
4.							
5.							

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

P_c 1430 P_c^2 2,044,900

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1091	1,190,281	854,619
2.				
3.				
4.				

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3927$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0992$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8,107$

Absolute Open Flow 8107 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

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