NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special							Test Date: 10/28/94	
Company: NORTHWEST PIPELINE CORPORATION			Connection: WILLIAMS PRODUCTION COMPANY					
Pool: BLANCO			Formation: MESAVERDE				Unit: ROSA	
Completion Date: 10/14/94	Total Depth: 5960'		Plug Back TD: 5938'		Elevation: 6322'		Farm or Lease Name: ROSA UNIT	
Casing Size	Weight	d	Set At	Perforations: From To			Well No.: #145	
Tubing Size	Weight	d	Set at	Perforations: From To			Unit G / Sec 16 / Twp 31N / Rng 06W	
Type Well - Single - Bradenhead - GG or GO Multiple			Packer Set At: 4000'				County: SAN JUAN	
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: .750	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 .750			1108	72			0
1.				272	56			0.5 HRS
2.				267	58			1.0 HRS
3.				260	58			1.5 HRS
4.				255	58			2.0 HRS
5.				244	58			3.0 HRS

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OIL CON. DIV.
DIST. 3

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		256	1.0019	1.270	1.025	3206
2.							
3.							
4.							
5.							

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

P_c 1120 P_c^2 1,254,400

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		256	65,536	1,188,864
2.				
3.				
4.				

Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator GAS 0.62 XXXXXXX

Specific Gravity Flowing Fluid xxxxx _____

Critical Pressure _____ p.s.i.a. _____ p.s.i.a.

Critical Temperature _____ R _____ R

(1) $\frac{P_c^2}{P_c^2 - P_w 2} = 1.055$ (2) $\frac{P_c^2}{[P_c^2 - P_w^2]}{}^{n} = 1.041$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3{,}338$

Absolute Open Flow 3,338 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By: ROSS GALLEGOS	Calculated By: STERG KATIRGIS	Checked By: