Form C-122

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special								Test Date: 10/22/94	
Company: NORTHWEST PIPELINE CORPORATION			Connection: WILLIAMS PRODUCTION COMPANY						
Pool: BLANCO			Formation: DAKOTA					Unit: ROSA	
Completion Date: 10/08/94	Total Depth: 8038'		Plug Back TD: 8033'		Elevation: 6345'			Farm or Lease Name: ROSA UNIT	
Casing Size	Weight	d	Set At	Perforations: From	To			Well No.: #1E	
Tubing Size	Weight	d	Set at	Perforations: From	To			Unit P / Sec 11 / Twp 31N / Rng 06W	
Type Well - Single - Bradenhead - GG or GO Multiple			Packer Set At: 6060'					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"			2603				0
1.				475	54			0.5 HRS
2.				461	58			1.0 HRS
3.				448	60			1.5 HRS
4.				444	61			2.0 HRS
5.				416	63			3.0 HRS

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OCT 31 1994
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		428	.9971	1.270	1.038	5,403
2.							
3.							
4.							
5.							

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

P_c _____ P_c^2 _____

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

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		428	183,184	6,592,425
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w 2} = 1.0278$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0208$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5,515$

Absolute Open Flow 5,515 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By: C. CHARLEY	Calculated By: MARK MCCALLISTER	Checked By: