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

Form C-122

RECEIVED
NOV 21 1994
OIL CON. DIV.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 11/13/94
Company: NORTHWEST PIPELINE CORPORATION			Connection: WILLIAMS PRODUCTION COMPANY		Unit: ROSA
Pool: BLANCO			Formation: PICTURED CLIFFS		
Completion Date: 11/05/94	Total Depth: 6075'		Plug Back TD: 6053'	Elevation: 6419'	Farm or Lease Name: ROSA UNIT
Casing Size	Weight	d	Set At	Perforations: From To	Well No.: #139
Tubing Size	Weight	d	Set at	Perforations: From To	Unit C, Sec 17, Twp 31N, Rng 06W
Type Well - Single - Bradenhead - GG or GO Multiple			Packer Set At: 4025'		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			962		1016		0
1.				142	51	686		0.5 HRS
2.				91	59	488		1.0 HRS
3.				66	63	408		1.5 HRS
4.				45	63	376		2.0 HRS
5.				34	65	350		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		46	.9952	1.270	1.003	560
2.							
3.							
4.							
5.							

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

P_c 1028 P_c^2 1,056,784

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

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		362	131,044	925,740
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w 2} = 1.142$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.119$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 626$

Absolute Open Flow 626 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By: ROSS GALLEGOS	Calculated By: MARK MCCALLISTER	Checked By: