Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Enron Oil & Gas					Lease or Unit Name: Jackson Unit			
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 10-20-96		Well No.: 4	
Completion Date: 9/25/96		Total Depth: 15534		Plug Back TD: 15454	Elevation:		Unit Ltr. - Sec. - TWP - Rge.: H 15 24-5 33-E	
Csg. Size: 7"	Wt.: 26	d: 6.276	Set At: 12700	Perforations: From: 13200 To: 13500			County: Lea	
Tbg. Size: 3 1/2	Wt.: 12.95	d: 2.750	Set At: 15534	Perforations: From: To:			Pool: North Johnson Ranch	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: No Packer			Formation: Atoka	
Producing Thru: CSG	Reservoir Temp. °F: 207.5	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2			Connection: Sales	
L: 1335.0	H: 1335.0	Gg: .6686	% CO_2: .235	% N_2: .842	% H_2S: 0	Prover: 0	Meter Run: 4.026	Taps: F/g

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					N/A	N/A	5560		24 Hr.
1.	4.026 x 2.000	774	1.0	66°			5330	60°	60 min
2.	4.026 x 2.000	774	4.0	76°			4910	64°	60 min
3.	4.026 x 2.000	774	9.6	82°			4260	70°	60 min
4.	4.026 x 2.000	774	19.4	82°			3500	76°	60 min
5.									

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, Fpv.	Rate of Flow Q, Mcfd
1.	19.81	28.05	787.2	.9943	1.224	1.049	709
2.	19.81	56.11	787.2	.9850	1.224	1.051	1408
3.	19.81	86.93	787.2	.9795	1.224	1.049	2165
4.	19.81	123.57	787.2	.9795	1.224	1.049	3078
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.781	526	1.40	.901
2.	.796	536	1.43	.906
3.	.805	542	1.44	.908
4.	.805	542	1.44	.908
5.				

Gas Liquid Hydrocarbon Ratio 19.167 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 56.5 Deg.
Specific Gravity Separator Gas .6686 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX G Mix .816
Critical Pressure 673 P.S.I.A. 668 P.S.I.A.
Critical Temperature 374 R 424 R

P_c 5573.2 P_c^2 31060.5

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	N/A	5543.7	30732.1	328.4
2.		4925.1	24256.2	6804.4
3.		4277.8	18299.3	12761.3
4.		3523.1	12412.0	18648.4
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.666$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.484$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.567$

Absolute Open Flow 4.567 Mcfd @ 15.025 Angle of Slope θ 52.2 Slope, n .773

Remarks: Well made 16 BBLS Codensate API Gravity 56.5 @ 60°

Approved By Division	Conducted By:	Calculated By:	Checked By:

Betty Gildon
Regulatory Analyst 915/686-3714 12/3/96