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: LOUIS DREYFUS						Lease or Unit Name: E.V. STATE			
Type Test: [X] Initial [ ] Annual [ ] Special						Test Date: 6/1/97		Well No.: 2	
Completion Date: 5/9/97		Total Depth: 11,800		Plug Back TD: 11,757		Elevation: 3320		Unit Ltr. - Sec. - TWP - Rge.: H 32-22S-26E	
Csg. Size: 7" / 4-1/2	Wt.: 23/ 14.9	d: 6.366/ 3.826	Set At: 10467/ 11757	Perforations: From: 11,385	To: 11,400			County: EDDY	
Tbg. Size: 2-7/8 2-3/8	Wt.: 6.5/ 4.7	d: 2.444 1.995	Set At: 10,103 11,336	Perforations: From:	To:			Pool:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 11,336				Formation: MORROW	
Producing Thru: tbg	Reservoir Temp. °F	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2				Connection: SALES	
L: 11,336	H: 11,336	Gg: .585	% CO_2: 1.13	% N_2: .26	% H_2S: -0-	Prover: -0-		Meter Run: 3.068	Taps: flg

	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					3110		pkr.		
1.	3.068 X 1.750	211	3.6	67°	3050		"		60 min
2.	3.068 X 1.750	270	13.7	68°	2860		"		60 min
3.	3.068 X 1.750	336	26.5	66°	2705		"		60 min
4.	3.068 X 1.750	409	39.0	66°	2502		"		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.	15.61	28.40	224.2	.9933	1.307	1.039	597
2.	15.61	62.28	283.2	.9924	1.307	1.039	1310
3.	15.61	96.19	349.2	.9943	1.307	1.040	2029
4.	15.61	128.31	422.2	.9943	1.307	1.040	2707
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.78	527	1.52	.926
2.	.78	528	1.52	.926
3.	.77	526	1.52	.925
4.	.77	526	1.52	.925
5.				

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: .585 XXXXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 675 P.S.I.A. P.S.I.A.
Critical Temperature: 346 R R

P_c 3123.2 P_c^2 9754.4

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		3046.4	9280.5	273.9
2.		2901.9	8421.0	1333.4
3.		2745.4	7537.2	2217.2
4.		2562.4	6565.9	3188.5
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.05$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.54$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6.875$

Absolute Open Flow: 6.875 Mcfd @ 15.025 | Angle of Slope θ: 50.15 | Slope, n: .834

Remarks: *CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES
NO FLUID MADE DURING TEST.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTER RA	MB	BM