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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator				Lease or Unit Name			
LOUIS DREYFUS				SARAGOSA "16" ST.			
Type Test: ☑ Initial ☐ Annual ☐ Special					Test Date: 1/29/01	Well No.: 1	
Completion Date	Total Depth		Plug Back TD: 11565		Elevation: 3352	Unit Ltr - Sec - TWP - Rge: C 16 23S 26E	
Csg. Size: 4 1/2	Wt.: 13.5	d: 3.795	Set At: 11995	Perforations: From: 10431 To: 10445		County: EDDY	
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 10416	Perforations: From: To:		Pool: Frontier Hills Strawn	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE				Packer Set At: 10372		Formation: STRAWN	
Producing Thru: TUBING	Reservoir Temp.°F: 178.2		Mean Annual Temp. °F: 60	Baro. Press.-P_a: 13.2		Connection: SALES	

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
10416	10416	0.661	1.06	0.679	N/A	N/A	3.068	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					1700	N/A	PKR	N/A	
1	3.068 X 1.375	335	1.78	86	1690				1 HR.
2	3.068 X 1.375	350	9.03	98	1680				1 HR.
3	3.068 X 1.375	447	53.03	70	1570				1 HR.
4	3.068 X 1.375	414	170.2	74	1300				1 HR.
5									

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor F_g	Super Compress Factor F pv	Rate of Flow Q. Mcfd
1							310
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	671
3							1971
4							3341
5							

No.	P_r	Temp. °R	T_r	Z
1				
2	TOTAL	FLOW	METER	
3				
4				
5				

Gas Liquid Hydrocarbon Ratio: 104.883 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 56.8 Deg.
Specific Gravity Separator Gas: .661 / G.MIX= .689 XXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 673 P.S.I.A. 672 P.S.I.A.
Critical Temperature: 374 R. 384 R

P_c 1713.2 P_c^2 2935.1

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	2900.9	1704.1	2903.8	31.2
2	2866.9	1697.3	2880.7	54.4
3	2506.5	1620.5	2626	309.1
4	1724.5	1440.7	2075.6	859.5
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 3.415 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2.328

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 7.78

Absolute Open Flow: 7.78 Mcfd @ 15.025 Angle of Slope (): 56.46 Slope n: 0.6882

Remarks: * WELL MADE 2.5 BBLS OF 56.8 API GRAVITY CONDENSATE DURING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MERV BUECKER	BM