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

Note: Formerly N.M. St. B #16

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: EXXON USA							Lease or Unit Name: Eumont Gas. Com 2				
Type Test: [X] Initial [ ] Annual [ ] Special							Test Date: 8-19-94			Well No.: #3	
Completion Date: 4-13-94		Total Depth: 3990		Plug Back TD: 3855			Elevation			Unit Ltr. - Sec. - TWP - Rge.: 29-21-36	
Csg. Size: 5½	Wt.: 15.5	d	Set At: 3990	Perforations: From: 3192		To: 3738				County: LEA	
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 3125	Perforations: From:		To:				Pool: EUMONT	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE				Packer Set At: 3125						Formation: YATES/SR/ QUEENS	
Producing Thru: TBG.	Reservoir Temp. °F: 93° 3125		Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2						Connection: GPM	
L: 3125	H: 3125	Gg: .706	% CO_2: 1.56	% N_2: 3.00		% H_2S	Prover			Meter Run: 2.067	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					192		PRK		24 hr.
1.	2 X 1.500	30	41.00	64	54		"		"
2.									
3.									
4.									
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, F pv.	Rate of Flow Q, Mcfd
1.	12.76	42.09	43.2	.9962	1.190	1.008	642
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.10	524	1.36	.985
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .706 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: *669 P.S.I.A. P.S.I.A.
Critical Temperature: *385 R R

P_c 205.2 P_c^2 42.1

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.			10.1	32.0
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.316$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.316$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .845$

Absolute Open Flow: 845 Mcfd @ 15.025 | Angle of Slope θ: 45 | Slope, n: 1.000

Remarks: NO FLUID DURING TEST *CORRECTED TO 1.56% CO^2 & 3.00% N^2

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTERS	BM	BM

SEP 20 1994