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: OXY U.S.A.							Lease or Unit Name: STATE C		
Type Test: [X] Initial [ ] Annual [ ] Special							Test Date: 12-21-94	Well No.: 5	
Completion Date: 12-19-94		Total Depth: 3900		Plug Back TD: 3859			Elevation	Unit Ltr. - Sec. - TWP - Rge.: M 16-21S-36E	
Csg. Size: 5½	Wt.: 15.5	d	Set At: 3900	Perforations: From: 3131		To: 3676		County: LEA	
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 3040	Perforations: From:		To:		Pool: EUMONT	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE				Packer Set At: NONE				Formation: QUEEN	
Producing Thru: TBG.	Reservoir Temp. °F	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2				Connection: SALES LINE	
L	H	Gg: .692	% CO_2: 2.48	% N_2: 2.46	% H_2S	Prover		Meter Run: 3"	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					285				24 hr.
1.	3" X 1.75				85				24 hr.
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.							893
2.		GAS MEASURED WITH TOTAL FLOW					
3.							
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .692 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: *674 P.S.I.A. ____ P.S.I.A.
Critical Temperature: *379 R ____ R

P_c 298.2 P_c^2 88.9

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.			20.2	68.7
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.294$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.294$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.155$

Absolute Open Flow: 1,155 Mcfd @ 15.025 | Angle of Slope θ: 45 | Slope, n: 1.000

Remarks: NO FLUID PRODUCED DURING TEST

* CORRECTED TO 2.48 % Co^2 & 2.46% N^2

Approved By Division	Conducted By:	Calculated By:	Checked By:
ORIGINAL SIGNED BY JERRY SEXTON	PRO WELL TESTER	BM	BM
DISTRICT I SUPERVISOR			
JAN 17 1995			