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

State of New Mexico
Energy, Minerals and Natural Resources Departm.

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: TEXACO EXPLORATION AND PRODUCTION INC.				Lease or Unit Name: N.M. H STATE NCT-2	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2-8-95	Well No.: 33
Completion Date: 11-15-94	Total Depth: 3670		Plug Back TD: 3630	Elevation:	Unit Ltr. - Sec. - TWP - Rge.: N 20 20S 37E
Csg. Size: 5½	Wt.: 17#	d: 4.892	Set At: 3670	Perforations: From: 3142 To: 3602	County: LEA
Tbg. Size: 2-3/8	Wt.: 4.7#	d: 1.995	Set At: 3424	Perforations: From: To:	Pool:
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE			Packer Set At: N/A		Formation: EUMONT
Producing Thru: CSG	Reservoir Temp. °F: 90°	Mean Annual Temp. °F: 60	Baro, Press - P_a: 13.2		Connection: AIR
L: 3372	H: 3372	Gg: .847	% CO_2: 13.13	% N_2: 1.45	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						40				
1.						25				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.							
2.							173
3.	RATE TAKEN FROM ELECTRONIC TOTAL FLOW METER						
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio: DRY Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .847 XXXXXXXXX
Specific Gravity Flowing Fluid: DRY XXXXX
Critical Pressure: *720 P.S.I.A. P.S.I.A.
Critical Temperature: *413 R R

P_c 53.2 P_c^2 2.8

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	1.5	40.1	1.6	1.2
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.318$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.318$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 401$

Absolute Open Flow: 401 Mcfd @ 15.025 | Angle of Slope θ: 45° | Slope, n: 1.000

Remarks: *CORRECTED TO 13% CO_2 & 1% N_2

Approved By Division	Conducted By:	Calculated By:	Checked By:
ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR	PRO WELL TESTERS	KS	BM

FEB 20 1995