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: CONOCO, INC.					Lease or Unit Name: STATE J-2		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 5-7-94	Well No.: 14	
Completion Date: 3-31-94	Total Depth: 3700			Plug Back TD: 3314	Elevation	Unit Ltr. - Sec. - TWP - Rge.: K 2 22S 36E	
Csg. Size: 5½	Wt.: 15.5	d: 4.950	Set At	Perforations: From: 2895 To: 3222		County: LEA	
Tbg. Size: 2 3/8"	Wt.: 4.7	d: 1.995	Set At	Perforations: From: To:		Pool: Eumont	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: GGD				Packer Set At: 3314		Formation: EUMONT	
Producing Thru: CSG.	Reservoir Temp. °F: 88	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2		Connection: PIPELINE	
L: 3222	H: 3222	Gg: .694	% CO_2: .22	% N_2: 6.74	% H_2S	Prover	Meter Run: 4.026	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							208		
1.	4.026 X 2.750			61	PKR		206		1 hr
2.	4.026 X 2.750			65			203		1 hr.
3.	4.026 X 2.750			66			197		1 hr.
4.	4.026 X 2.750			66			187		1 hr.
5.	4.026 X 2.750			66			176		1 hr.

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.							753
2.							1.048
3.	INFORMATION OBTAINED FORM ELECTRONIC TOTAL FLOW METER						1,474
4.							2,094
5.							2,500

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

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY GAS Deg.
Specific Gravity Separator Gas: .694 XXXXXXXXX
Specific Gravity Flowing Fluid: DRY XXXXX
Critical Pressure: 658 P.S.I.A. P.S.I.A.
Critical Temperature: 371 R R

P_c 221.2 P_c^2 48.9

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		217.1	47.1	1.8
2.		212.0	44.9	4.0
3.		204.0	41.6	7.3
4.		194.9	38.0	11.0
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.466$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.187$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5,468$

Absolute Open Flow: 5,468 Mcfd @ 15.025
Angle of Slope θ: 63
Slope, n: .52288

Remarks: NO FLUID MADE DURING TEST

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTER R.G.	K.S.	B.M.