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: CONOCO, INC.							Lease or Unit Name: STATE C-20		
Type Test: [X] Initial [ ] Annual [ ] Special							Test Date: 1-19-94	Well No.: 2	
Completion Date: 1-10-94		Total Depth: 3877		Plug Back TD: 3829			Elevation:	Unit Ltr. - Sec. - TWP - Rge.: E 20 - 21S - 36E	
Csg. Size: 7"	Wt.: 24#	d: 6.366	Set At: 3877	Perforations: From: 3404		To: 3682		County: LEA	
Tbg. Size: 2 3/8"	Wt.: 4.7#	d: 1.995	Set At: 3558	Perforations: From:		To:		Pool: Eumont	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 3311				Formation: ~~EUMONT~~ SR-QN	
Producing Thru: TBG.	Reservoir Temp. °F: 92°		Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2				Connection: PIPELINE	
L: 3558	H: 3558	Gg: .712	% CO_2: 5.18	% N_2: 1.52	% H_2S:	Prover:		Meter Run: 3.068	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					188				
1.	3.068 X 1.75	23.7	.1	46	132		pkr.		1 hr.
2.	3.068 X 1.75	24.3	.2	53	125		"		1 hr.
3.	3.068 X 1.75	24.3	.8	57	117		"		1 hr.
4.	3.068 X 1.75	24.5	2.8	62	108		"		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 Fg.	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd
1.	15.61	1.92	36.9	1.014	1.185	1.002	36
2.	15.61	2.74	37.5	1.007	1.185	1.004	51
3.	15.61	5.40	37.5	1.003	1.185	1.005	102
4.	15.61	10.27	37.7	.9981	1.185	1.005	191
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.05	506	1.32	.996
2.	.06	513	1.34	.992
3.	.06	517	1.35	.991
4.	.06	522	1.36	.990
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .712 XXXXXXXXX
Specific Gravity Flowing Fluid: Dry XXXXX
Critical Pressure: 688 P.S.I.A. P.S.I.A.
Critical Temperature: 383 R R

P_c 201.2 P_c^2 40.5

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		145.3	21.2	19.4
2.		138.3	19.1	21.3
3.		130.8	17.1	23.4
4.		123.4	15.2	25.2
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.603$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.603$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 306$

Absolute Open Flow: 306 Mcfd @ 15.025 | Angle of Slope θ: 45° | Slope, n: 1.000

Remarks: NO FLUID MADE DURING TEST

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

FEB 02 1994