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: MEYER A-1	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-3-94	Well No.: 20
Completion Date: 11-17-93	Total Depth: 3800	Plug Back TD: 3753		Elevation:	Unit Ltr. - Sec. - TWP - Rge.: 17 21S 36E
Csg. Size: 5½	Wt.: 26	d: 4.548	Set At: 3800	Perforations: From: 2988 To: 3670	County: LEA
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 3655	Perforations: From: To:	Pool: Eumont
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single			Packer Set At: N/A		Formation: Yates, SR-QN
Producing Thru: tbg	Reservoir Temp. °F: 89	Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2		Connection: PIPELINE

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3655	3655	.707	4.56	1.23			4.026	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					150	-0-			24 hr.
1.	4.026 X 2.625	28.2	2.50	60	70	-0-			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.	36.66	10.17	41.4	1.000	1.189	1.001	444
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.06	520	1.35	.998
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 148.0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 40.0 @60° Deg.
Specific Gravity Separator Gas .707 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX GMIX=.729
Critical Pressure 684 P.S.I.A. 684 P.S.I.A.
Critical Temperature 385 R 385 R

P_c 163.2 P_c^2 26.6

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		100.4	10.1	16.5
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.609

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.609

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = .714

Absolute Open Flow 714 Mcfd @ 15.025 | Angle of Slope θ 45 | Slope, n 1.000

Remarks: WELL MADE 3.00 BBLS 40.0 API GR. OIL ²60°

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