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

State of New Mexico
Energy, Minerals and Natural Resources Dep. nent

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: JACK B 17		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 9-13-94	Well No.: 2	
Completion Date: 9-12-94		Total Depth: 3653		Plug Back TD	Elevation	Unit Ltr. - Sec. - TWP - Rge.: D 17-24S-37E	
Csg. Size: 5½	Wt.: 17#	d: 4.892	Set At	Perforations: From: 2893 To: 3156		County: LEA	
Tbg. Size: 2 3/8	Wt.: 4.7#	d: 1.995	Set At: 3091	Perforations: From: To:		Pool: Jalmat	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: none		Formation	
Producing Thru: CSG	Reservoir Temp. °F: 88	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2		Connection: ATMOSPHERE	
L	H	Gg: .671	% CO_2: 1.19	% N_2: 1.96	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					0		150		
1.	2.067 X 1.000	60	14		0		139	60	
2.	2.067 X 1.000	60	25		0		130	60	
3.	2.067 X 1.000	60	28		0		110	60	
4.	2.067 X 1.000	60	28		0		94	60	
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.	4.946	32.01.	73.2	1.000	1.221	1.009	195
2.	4.946	42.78	73.2	1.000	1.221	1.009	261
3.	4.946	45.27	73.2	1.000	1.221	1.009	276
4.	4.946	45.27	73.2	1.000	1.221	1.009	276
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.11	520	1.38	.982
2.	.11	520	1.38	.982
3.	.11	520	1.38	.982
4.	.11	520	1.38	.982
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .671 XXXXXXXXX
Specific Gravity Flowing Fluid: DRY XXXXX
Critical Pressure: 672 P.S.I.A. P.S.I.A.
Critical Temperature: 381 R 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.		152.2	23.2	3.4
2.		143.2	20.5	6.1
3.		123.2	15.2	11.4
4.		107.2	11.5	15.1
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.824$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.797$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .545$

Absolute Open Flow: 545 Mcfd @ 15.025
Angle of Slope θ: 63.5
Slope, n: .500

Remarks: NO FLUID MADE DURING TEST * CORRECTED TO 1.19% CO_2

Approved By Division	Conducted By:	Calculated By:	Checked By:
SEP 29 1994	PRO WELL TESTER GB	BM	BM