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

State of New Mexico
Energy, Minerals and Natural Resources Department

APR 15 1994

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-122
Revised 4-1-91

C/SF File

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Mewbourne Oil Company					Lease or Unit Name: Illinois Camp 17 State			
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 4-7-94		Well No.: 2	
Completion Date: 1-15-94		Total Depth: 10,578		Plug Back TD: 10,578	Elevation: 3616 GL		Unit Ltr. - Sec. - TWP - Rge.: J 17 18s 28e	
Csg. Size: 5½	Wt.: 17#	d: 4.892	Set At: 10,578	Perforations: From: 10,373 To: 10,391			County: Eddy	
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set At: 10,104	Perforations: From: Open To: Ended			Pool: Illinois Camp Morrow	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 10,104			Formation: Morrow	
Producing Thru: TBG	Reservoir Temp. °F: 153 @ 10382	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2			Connection: Transwestern	
* L: 10382	H: 10382	Gg: .654	% CO_2: .59	% N_2: .58	% H_2S:	Prover:	Meter Run: 3	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							2420		PKR		72 Hrs.
1.	3	x	1.500	400	2.00	72	2250		"		1 Hr.
2.	3	x	1.500	420	5.00	67	2000		"		1 Hr.
3.	3	x	1.500	420	8.00	74	1850		"		1 Hr.
4.	3	x	1.500	440	12.00	74	1750		"		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.	11.13	28.75	413.2	.9887	1.237	1.041	407
2.	11.13	46.54	433.2	.9933	1.237	1.044	665
3.	11.13	58.87	433.2	.9868	1.237	1.044	835
4.	11.13	73.75	453.2	.9868	1.237	1.045	1047
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.61	532	1.41	.922
2.	.64	527	1.40	.918
3.	.64	534	1.42	.918
4.	.67	534	1.42	.915
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .654 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 670 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 375 R ____ R

** P_c 2483.1 P_c^2 6165.8

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	**	2233.8	4989.9	1175.9
2.	**	2025.0	4100.6	2065.2
3.	**	1900.5	3611.9	2553.9
4.	**	1764.3	3112.8	3053.0
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.020$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.020$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,115$

Absolute Open Flow: 2,115 Mcfd @ 15.025 Angle of Slope θ: 45 Slope, n: 1.000

Remarks: * BHP instrument set at this depth. ** = Cal. from known BHPs
No fluid produced during test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Mewbourne Oil Company	Bob Murray	Bob Murray