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

State of New Mexico
Energy, Minerals and Natural Resources Department

C/SF

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: BURLINGTON RESOURCES OIL & GAS CO.		Lease or Unit Name: EAST MILLMAN 13 FED COM	
Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 6/1/98	Well No.: 1
Completion Date: 5/28/98	Total Depth: 11,300	Plug Back TD: 11,070	Elevation: 3,375
			Unit Ltr. - Sec. - TWP - Rge.: 13 19S 28E
Csg. Size: 5½ / Wt.: 17 / d: 4.892 / Set At: 11,300	Perforations: From: 10,687 To: 10,960		County: EDDY
Tbg. Size: 2-3/8 / Wt.: 4.7 / d: 1.995 / Set At: 10,600'	Perforations: From: To:		Pool: Turkey Track - Morrow
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single	Packer Set At: 10,602'		Formation: MORROW
Producing Thru: TBG	Reservoir Temp. °F	Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2
			Connection: AIR

RECEIVED
OCD - ARTESIA

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,617	10,617	.686	2.357	1.23	-0-	-0-	3.068	flg

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					3680	N/A	Pkr.	N/A	
1.	3.068 X 1.000	200	8"	80°	3360				60 min
2.	3.068 X 1.000	200	12"	80°	2980				60 min
3.	3.068 X 1.000	200	15"	80°	2260				60 min
4.	3.068 X 1.000	200	18"	80°	1720				60 min
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, Fpv	Rate of Flow Q, Mcfd
1.	4.789	41.29	213.2	.9813	1.207	1.052	246
2.	4.789	50.58	213.2	.9813	1.207	1.052	301
3.	11.13	56.55	213.2	.9813	1.207	1.052	784
4.	11.13	61.94	213.2	.9813	1.207	1.052	858
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.79	540	1.42	.904
2.	.79	540	1.42	.904
3.	.79	540	1.42	.904
4.	.79	540	1.42	.904
5.				

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: .686 XXXXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 676 P.S.I.A. P.S.I.A.
Critical Temperature: 379 R R

P_c 4907.1 P_c^2 24079.6

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		4567.3	20859.9	
2.		4082.3	16665.3	
3.		3176.9	10092.6	
4.		2433.3	5920.9	
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.326$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.280$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.098$

Absolute Open Flow: 1.098 Mcfd @ 15.025 | Angle of Slope θ: 48.8 | Slope, n: .874

Remarks: * NO FLUID MADE DURING TEST
* CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MB	BM