0 COMPANY : YATES DRILLING CO. LEASE :MT ST. 16 COM. WELL NO. . 1

UNIT : G SECTION — 16 TOWNSHIP : 17

L : 9700 H : 9700 L/H : 1 G/GMIX : 0.670

%CO2 : 0.49 %N2 : 0.511 H2S : DATE :12 10 99

d : 2.441 Fr :0.010763 GH : 6499.0 RANGE : 28

VOL 1 : 952 PSIA 1 : 1914.2 RESV.TEMP 151.0

VOL 2 : 1446 PSIA 2 : 1745.2

VOL 3 : 1951 PSIA 3 : 1596.2 SHUT-IN PR= 2069.2

VOL 4 : 2489 PSIA 4 : 1450.2

PCR : 669

TCR : 382

Pc - 2069.2 Pc2 - 4281.6

Pt2 = 3664.2 Pw = 1916.4
3045.7 1750.8
2547.9 1607.4
2103.1 1470.5

Pc2-Pw2= 609.0 Pw2 = 3672.6
1216.3 3065.3
1697.8 2583.8
2119.1 2162.5

n = 0.988

Pc2/(Pc2-Pw2) = 7.030
3.520
2.522
2.020

[Pc2/Pc2-Pw2]n = 6.869
3.468
2.494
2.003

AOF= Q 6.539
5.014
4.866
4.985

	LINE	RATE 1		RATE 2		RATE 3		RATE 4	
		`1ST	`2ND	`1ST	``2ND	`1ST	`2ND	`1ST	`2ND
1	QM	0.952	0.952	1.446	1.446	1.951	1.951	2.489	2.489
2	TW	534	534	534	534	534	534	534	534
3	Ts	611.0	611.0	611.0	611.0	611.0	611.0	611.0	611.0
4	T	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5
	PR (est)	2.86		2.61		2.39		2.17	
5	Z(est)	0.760	0.753	0.768	0.756	0.778	0.762	0.790	0.771
6	TZ	435.0	430.9	439.7	432.9	445.3	436.5	452.0	441.7
7	GH/TZ	14.939	15.082	14.780	15.014	14.595	14.890	14.378	14.714
8	eS	1.751	1.760	1.741	1.756	1.729	1.748	1.715	1.736
9	1-e-S	0.429	0.432	0.426	0.431	0.422	0.428	0.417	0.424
10	Pt	1914.2	1914.2	1745.2	1745.2	1596.2	1596.2	1450.2	1450.2
11	Pt2 /1000	3664.2	3664.2	3045.7	3045.7	2547.9	2547.9	2103.1	2103.1
12	Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13	Fc=FrTZ	4.682	4.638	4.733	4.659	4.793	4.698	4.865	4.754
14	FcQm	4.46	4.42	6.84	6.74	9.35	9.17	12.11	11.83
15	L/H(FcQm)	19.9	19.5	46.8	45.4	87.4	84.0	146.6	140.0
16	Fw	8.522337	8.421149	19.92715	19.53919	36.85214	35.94175	61.11010	59.373105
17	Pw2	3672.7	3672.6	3065.7	3065.3	2584.7	2583.8	2164.2	2162.5
18	Ps2	6431.1	6465.5	5336.2	5382.5	4468.0	4516.0	3710.7	3754.8
19	Ps	2536.0	2542.7	2310.0	2320.0	2113.8	2125.1	1926.3	1937.7
20	P	2225.1	2228.5	2027.6	2032.6	1855.0	1860.6	1688.3	1694.0
21	Pr	3.33	3.33	3.03	3.04	2.77	2.78	2.52	2.53
22	Tr	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
23	Z	0.753	0.753	0.756	0.756	0.762	0.762	0.771	0.771

FORM C122-D