0 COMPANY : MEMBOURNE OIL CO. LEASE : C. B. 36 ST. WELL NO. : 1

UNIT : M SECTION 36 TOWNSHIP : 17

L : 9385 H : 9365 L/H : 1 G/GMIX : 0.696

%CO2 : 4.586 %N2 : 0.788 H2S : DATE :10 27 99

d : 1.995 Fr :0.018231 GH : 6532.0 RANGE : 27

VOL 1 : 89 PSIA 1 : 1332.2 RESV.TEMP 167.9

VOL 2 : 156 PSIA 2 : 1262.2

VOL 3 : 212 PSIA 3 : 1178.2 SHUT-IN PR= 1398.2

VOL 4 : 276 PSIA 4 : 1068.2

PCR : 652

TCR : 381

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	`1ST	`2ND	`1ST	``2ND	`1ST	`2ND	`1ST	`2ND
1 QM	0.089	0.089	0.156	0.156	0.212	0.212	0.276	0.276
2 TW	534	534	534	534	534	534	534	534
3 Ts	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9
4 T	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9
PR (est)	2.04		1.94		1.81		1.64	
5 Z(est)	0.809	0.793	0.815	0.799	0.824	0.807	0.835	0.819
6 TZ	469.9	460.5	473.7	464.1	478.5	468.9	485.3	476.0
7 GH/TZ	13.901	14.185	13.790	14.074	13.650	13.929	13.458	13.724
8 eS	1.684	1.702	1.677	1.695	1.668	1.686	1.656	1.673
9 1-e-S	0.406	0.413	0.404	0.410	0.401	0.407	0.396	0.402
10 Pt	1332.2	1332.2	1262.2	1262.2	1178.2	1178.2	1068.2	1068.2
11 Pt2 /1000	1774.8	1774.8	1593.1	1593.1	1388.2	1388.2	1141.1	1141.1
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.0182311
13 Fc=FrTZ	8.567	8.395	8.636	8.462	8.724	8.549	8.848	8.677
14 FcQm	0.76	0.75	1.35	1.32	1.85	1.81	2.44	2.39
15 L/H(FcQm)	0.6	0.6	1.8	1.7	3.4	3.3	6.0	5.7
16 Fw	0.236154	0.230308	0.732800	0.714522	1.370485	1.336601	2.363611	2.3073869
17 Pw2	1775.0	1775.0	1593.9	1593.9	1389.5	1389.5	1143.4	1143.4
18 Ps2	2989.4	3021.4	2673.2	2701.8	2318.3	2342.6	1894.0	1912.9
19 Ps	1729.0	1738.2	1635.0	1643.7	1522.6	1530.6	1376.2	1383.1
20 P	1530.6	1535.2	1448.6	1453.0	1350.4	1354.4	1222.2	1225.6
21 Pr	2.35	2.35	2.22	2.23	2.07	2.08	1.87	1.88
22 Tr	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
23 Z	0.793	0.792	0.799	0.799	0.807	0.807	0.819	0.819

Pc = 1398.2 Pc2 = 1955.0

Pt2 =	1774.8	Pw =	1332.3
	1593.1		1262.5
	1388.2		1178.8
	1141.1		1069.3
Pc2-Pw2=	180.0	Pw2 =	1775.0
	361.1		1593.9
	565.5		1389.5
	811.6		1143.4

n = 0.747

Pc2/(Pc2-Pw2) =	10.862
	5.414
	3.457
	2.409
[Pc2/Pc2-Pw2]n =	5.936
	3.529
	2.525
	1.928
AOF= Q	0.528
	0.551
	0.535
	0.532

FORM C122-D

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