

0 COMPANY : MEWBOURNE OIL CO. LEASE FLAT 7 FED. WELL NO. : 2
UNIT : B SECTION : 7 TOWNSHIP : 20
L : 10879 H : 10879 L/H : 1 G/GMIX : 0.599
%CO2 : 0.78 %N2 : 0.54 H2S : DATE : 7 9 97
d : 2.441 Fr : 0.010763 GH : 6516.5 RANGE : 28

Pc = 2862.2 Pc2 = 8192.2 *
Pt2 = 7215.7 Pw = 2686.2 *
6092.0 2468.4 *
4862.9 2205.7 *
3501.4 1872.3 *

VOL 1 : 146 PSIA 1 : 2686.2
VOL 2 : 298 PSIA 2 : 2468.2
VOL 3 : 440 PSIA 3 : 2205.2
VOL 4 : 604 PSIA 4 : 1871.2

RESV.TEMP 182.8

SHUT-IN PR= 2862.2

PCR : 672

TCR : 354

Pc2-Pw2= 976.3 Pw2 = 7215.9 *
2099.2 6093.0 *
3327.2 4865.0 *
4686.8 3505.4 *

n = 0.902

Pc2/(Pc2-Pw2) = 8.391
3.903
2.462
1.748

[Pc2/Pc2-Pw2]n = 6.806
3.413
2.253
1.654

AOF= Q 0.994
1.017
0.991
0.999

AOF = 1,000

FORM C122-D

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.146	0.146	0.298	0.298	0.440	0.440	0.604	0.604
2 TW	534	534	534	534	534	534	534	534
3 Ts	642.8	642.8	642.8	642.8	642.8	642.8	642.8	642.8
4 T	588.4	588.4	588.4	588.4	588.4	588.4	588.4	588.4
PR (est)	4.00		3.67		3.28		2.78	
5 Z(est)	0.831	0.841	0.829	0.834	0.829	0.829	0.835	0.830
6 TZ	489.1	491.0	487.5	490.7	487.7	487.7	491.4	488.1
7 GH/TZ	13.325	13.166	13.367	13.280	13.362	13.361	13.261	13.350
8 eS	1.648	1.638	1.651	1.645	1.650	1.650	1.644	1.650
9 l-e-S	0.393	0.390	0.394	0.392	0.394	0.394	0.392	0.394
10 Pt	2686.2	2686.2	2468.2	2468.2	2205.2	2205.2	1871.2	1871.2
11 Pt2 /1000	7215.7	7215.7	6092.0	6092.0	4862.9	4862.9	3501.4	3501.4
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763
13 Fc=FrTZ	5.264	5.327	5.247	5.281	5.249	5.250	5.289	5.254
14 FcQm	0.77	0.78	1.56	1.57	2.31	2.31	3.19	3.17
15 L/H(FcQm)	0.6	0.6	2.4	2.5	5.3	5.3	10.2	10.1
16 Fw	0.232267	0.235720	0.963892	0.971621	2.102320	2.102586	3.998791	3.9659968
17 Pw2	7215.9	7215.9	6093.0	6093.0	4865.0	4865.0	3505.4	3505.4
18 Ps2	11893.2	11822.4	10058.3	10025.7	8029.7	8029.3	5763.7	5782.9
19 Ps	3448.7	3438.4	3171.5	3166.3	2833.7	2833.6	2400.8	2404.8
20 P	3067.4	3062.3	2819.8	2817.3	2519.4	2519.4	2136.0	2138.0
21 Pr	4.56	4.56	4.20	4.19	3.75	3.75	3.18	3.18
22 Tr	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
23 Z	0.841	0.841	0.834	0.834	0.829	0.829	0.830	0.830