

O COMPANY : U.M.C. PETROLEUM LEASE : SHUGART FEB 22 WELL NO. : 1
 UNIT : SECTION : TOWNSHIP :
 L : 11547 H : 11547 L/H : 1 6/6 MIX : 0.663
 ZC02 : 0.01 ZW2 : 41.11 H2S : DATE : 7/28/97
 d : 2.441 Fr : 0.010763 GN : 7655.7 RANGE :

VOL 1 : 701 PSIA 1 : 2613.2 RESV.TEMP 189.5
 VOL 2 : 1042 PSIA 2 : 2558.2
 VOL 3 : 1860 PSIA 3 : 2533.2 SHUT-IN PR= 2683.2
 VOL 4 : 2591 PSIA 4 : 2459.2
 PCR : 673
 TCR : 374

LINE	RATE 1	RATE 2	RATE 3	RATE 4
	1ST	2ND	1ST	2ND
1 QH	0.701	0.701	1.042	1.042
2 TW	534	534	534	534
3 Ts	649.5	649.5	649.5	649.5
4 T	591.7	591.7	591.7	591.7
PR (est)	3.88	3.88	3.76	3.65
5 Z(est)	0.797	0.811	0.796	0.808
6 TZ	471.6	479.7	471.1	478.2
7 GH/TZ	16.233	15.959	16.250	16.008
8 eS	1.838	1.819	1.839	1.823
9 1-e-S	0.456	0.450	0.456	0.451
10 Pt	2613.2	2613.2	2558.2	2558.2
11 Pt2 /1000	6828.8	6828.8	6544.4	6544.4
12 Fr	0.010763	0.010763	0.010763	0.010763
13 Fc=FrTZ	5.076	5.163	5.071	5.147
14 FcQm	3.56	3.62	5.28	5.36
15 L/H(FcQm)	12.7	13.1	27.9	28.8
16 Fw	5.772893	5.899441	12.73870	12.98383
17 Pw2	6834.6	6834.7	6557.1	6557.4
18 Ps2	12562.9	12434.5	12060.5	11952.1
19 Ps	3544.4	3526.3	3472.8	3457.2
20 P	3078.8	3069.7	3015.5	3007.7
21 Pr	4.57	4.56	4.48	4.47
22 Tr	1.58	1.58	1.58	1.58
23 Z	0.811	0.810	0.808	0.808

FORM C122-D