

COMPANY : KUKUI OPERATING CO. LEASE : GOODNIGHT 35 FED WELL NO. : 1
 UNIT : SECTION : TOWNSHIP : 23-S
 L : 10325 H : 10325 L/H : 1 G/GMIX : 0.655
 %CO2 : 0.167 %N2 : 2.12 H2S : DATE : 8/12/00
 d : 2.441 Fr : 0.010763 GH : 6762.9 RANGE : 29-E

VOL 1 : 825 PSIA 1 : 6623.2 RESV. TEMP 177.2
 VOL 2 : 1054 PSIA 2 : 6388.2
 VOL 3 : 2256 PSIA 3 : 6133.2 SHUT-IN PR= 7113.2
 VOL 4 : 2620 PSIA 4 : 6028.2

PCR : 671
 TCR : 368

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.825	0.825	1.054	1.054	2.256	2.256	2.620	2.620
2 TW	534	534	534	534	534	534	534	534
3 Ts	637.2	637.2	637.2	637.2	637.2	637.2	637.2	637.2
4 T	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6
PR (est)	9.87		9.52		9.14		8.98	
5 Z(est)	1.092	1.161	1.070	1.138	1.046	1.113	1.036	1.102
6 TZ	639.4	679.9	626.5	666.2	612.7	651.5	607.0	645.5
7 GH/TZ	10.576	9.947	10.794	10.151	11.039	10.380	11.142	10.477
8 eS	1.487	1.452	1.499	1.463	1.513	1.476	1.519	1.481
9 l-e-S	0.327	0.311	0.333	0.317	0.339	0.322	0.342	0.325
10 Pt	6623.2	6623.2	6388.2	6388.2	6133.2	6133.2	6028.2	6028.2
11 Pt2 /1000	43866.8	43866.8	40809.1	40809.1	37616.1	37616.1	36339.2	36339.2
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13 Fc=FrTZ	6.882	7.318	6.743	7.170	6.594	7.013	6.533	6.948
14 FcQm	5.68	6.04	7.11	7.56	14.88	15.82	17.12	18.20
15 L/H(FcQm)	32.2	36.4	50.5	57.1	221.3	250.3	293.0	331.4
16 Fw	10.55502	11.34720	16.81599	18.08327	75.01362	80.69967	100.0570	107.65487
17 Pw2	43877.3	43878.1	40825.9	40827.2	37691.2	37696.8	36439.3	36446.9
18 Ps2	65236.1	63716.2	61197.2	59741.6	57018.5	55635.5	55338.1	53986.0
19 Ps	8076.9	7982.2	7822.9	7729.3	7551.1	7458.9	7439.0	7347.5
20 P	7350.0	7302.7	7105.5	7058.7	6842.1	6796.1	6733.6	6687.9
21 Pr	10.95	10.88	10.59	10.52	10.20	10.13	10.04	9.97
22 Tr	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
23 Z	1.161	1.156	1.138	1.133	1.113	1.108	1.102	1.098

n = 7113.2 Pc2 = 50597.6 *
 Pt2 - **** * Pw = 6624.1 *
 ***** 6389.6 *
 ***** 6139.8 *
 ***** 6037.1 *

Pc2-Pw2= 6719.5 Pw2 = 43878.1 *
 9770.4 40827.2 *
 ***** 37696.8 *
 ***** 36446.9 *

n = 1.000

Pc2/(Pc2-Pw2) = 7.530
 5.179
 3.922
 3.576

[Pc2/Pc2-Pw2]n = 7.530
 5.179
 3.922
 3.576

AOF= Q 6.212
 5.458
 8.848
 9.368

FORM C122-E