

O COMPANY : MARATHON OIL LEASE : INDIAN HILLS WELL NO. : 5
 UNIT : SECTION : 36 TOWNSHIP : 20
 L : 9164 H : 9164 L/H : 1 G/GMIX : 0.642
 %CO2 : 0.89 %N2 : 0.16 H2S : DATE : 9 16 93
 d : 2.441 Fr : 0.010763 GH : 5883.3 RANGE : 24

Pt2 = 1831.2
 1672.4
 1400.0
 1284.1

VOL 1 : 1244 PSIA 1 : 1353.2 RESV.TEMP 165.6
 VOL 2 : 1537 PSIA 2 : 1293.2
 VOL 3 : 1952 PSIA 3 : 1183.2 SHUT-IN PR= 1413.2
 VOL 4 : 2316 PSIA 4 : 1133.2

PCR : 670
 TCR : 372

LINE		RATE 1		RATE 2		RATE 3		RATE 4	
		'1ST	'2ND	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND
1	QM	1.244	1.244	1.537	1.537	1.952	1.952	2.316	2.316
2	TW	534	534	534	534	534	534	534	534
3	Ts	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6
4	T	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8
	PR (est)	2.02		1.93		1.77		1.69	
5	Z(est)	0.824	0.811	0.829	0.815	0.839	0.825	0.843	0.829
6	TZ	477.8	470.1	480.7	472.8	486.3	478.2	489.0	480.8
7	GH/TZ	12.314	12.516	12.240	12.444	12.098	12.302	12.031	12.238
8	eS	1.587	1.599	1.582	1.595	1.574	1.586	1.570	1.582
9	f-e-S	0.370	0.375	0.368	0.373	0.365	0.370	0.363	0.368
10	Pt	1353.2	1353.2	1293.2	1293.2	1183.2	1183.2	1133.2	1133.2
11	Pt2 /1000	1831.2	1831.2	1672.4	1672.4	1400.0	1400.0	1284.1	1284.1
12	Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763
13	Fc=FrTZ	5.142	5.060	5.173	5.089	5.234	5.147	5.263	5.174
14	FcQm	6.40	6.29	7.95	7.82	10.22	10.05	12.19	11.98
15	L/H(FcQm)	40.9	39.6	63.2	61.2	104.4	100.9	148.6	143.6
16	Fw	15.13488	14.83899	23.27310	22.81084	38.07238	37.30630	53.95718	52.854774
17	Pw2	1846.3	1846.0	1695.6	1695.2	1438.0	1437.3	1338.1	1337.0
18	Ps2	2929.8	2951.6	2683.3	2703.2	2263.6	2279.8	2101.0	2115.6
19	Ps	1711.7	1718.0	1638.1	1644.1	1504.5	1509.9	1449.5	1454.5
20	P	1532.4	1535.6	1465.6	1468.7	1343.9	1346.5	1291.3	1293.9
21	Pr	2.29	2.29	2.19	2.19	2.01	2.01	1.93	1.93
22	Tr	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
23	Z	0.811	0.811	0.815	0.815	0.825	0.825	0.829	0.829

Pc2/(Pc2-Pw2) = 13.213
 6.614
 3.567

[Pc2/Pc2-Pw2]n = 3.875
 2.695
 1.949

AOF= Q 4.821
 4.142
 3.805

FORM C122-D