

COMPANY : PHILLIPS PETRO. LEASE : MALAGA C WELL NO. : 3
 UNIT : SECTION : 36 TOWNSHIP : 23
 : 11952 H : 11952 L/H : 1 G/GMIX : 0.584
 %CO2 : 0.49 %N2 : 0.91 H2S : DATE : 12 15 93
 d : 2.441 Fr : 0.010763 GH : 6980.0 RANGE :

Pc = 1822.2 Pc2 = 3320.4 *
 Pt2 = 2295.8 Pw = 1515.8 *
 1924.3 1390.3 *
 1138.9 1078.6 *
 664.6 837.7 *

VOL 1 : 392 PSIA 1 : 1515.2
 VOL 2 : 841 PSIA 2 : 1387.2
 VOL 3 : 1406 PSIA 3 : 1067.2
 VOL 4 : 1710 PSIA 4 : 815.2

RBSV.TEMP 193.5

SHUT-IN PR= 1822.2

Pc2-Pw2= 1022.7 Pw2 = 2297.7 *
 1387.6 1932.8 *
 2157.0 1163.4 *
 2618.7 701.7 *

PCR : 672
 TCR : 350

n = 1.000

Pc2/(Pc2-Pw2) = 3.247
 2.393
 1.539
 1.268

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.392	0.392	0.841	0.841	1.406	1.406	1.710	1.710
2 TW	534	534	534	534	534	534	534	534
3 Ts	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
4 T	593.8	593.8	593.8	593.8	593.8	593.8	593.8	593.8
PR (est)	2.25		2.06		1.59		1.21	
5 Z(est)	0.860	0.851	0.866	0.856	0.885	0.875	0.903	0.894
6 TZ	510.4	505.1	514.1	508.4	525.5	519.5	536.4	530.7
7 GH/TZ	13.676	13.818	13.577	13.729	13.282	13.435	13.014	13.152
8 eS	1.670	1.679	1.664	1.673	1.646	1.655	1.629	1.638
9 l-e-S	0.401	0.404	0.399	0.402	0.392	0.396	0.386	0.389
10 Pt	1515.2	1515.2	1387.2	1387.2	1067.2	1067.2	815.2	815.2
11 Pt2 /1000	2295.8	2295.8	1924.3	1924.3	1138.9	1138.9	664.6	664.6
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13 Pc=FrTZ	5.493	5.437	5.533	5.472	5.656	5.592	5.773	5.712
14 PcQm	2.15	2.13	4.65	4.60	7.95	7.86	9.87	9.77
15 L/H(PcQm)	4.6	4.5	21.7	21.2	63.2	61.8	97.4	95.4
16 Pw	1.860403	1.836853	8.640316	8.522637	24.81117	24.46310	37.63037	37.145082
17 Pw2	2297.7	2297.7	1933.0	1932.8	1163.7	1163.4	702.2	701.7
18 Ps2	3837.3	3857.7	3216.2	3234.3	1915.0	1925.4	1143.9	1149.1
19 Ps	1958.9	1964.1	1793.4	1798.4	1383.8	1387.6	1069.5	1071.9
20 P	1737.0	1739.6	1590.3	1592.8	1225.5	1227.4	942.4	943.6
21 Pr	2.58	2.59	2.37	2.37	1.82	1.83	1.40	1.40
22 Tr	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
23 Z	0.851	0.851	0.856	0.856	0.875	0.875	0.894	0.894

[Pc2/Pc2-Pw2]n = 3.247
 2.393
 1.539
 1.268
 AOF= Q 1.273
 2.012
 2.164
 2.168

FORM C122-D