0 COMPANY : COLLINS & WARE LEASE : MALAGA WELL NO. : 1

UNIT : SECTION : 27 TOWNSHIP : 24

L : 11655 H : 11655 L/H : 1 G/GMIX : 0.594

%CO2 : %N2 : H2S : DATE :7 23 93

d : 1.995 Fr :0.018231 GH : 6923.1 RANGE : 28

VOL 1 : 1000 PSIA 1 : 5028.2 RESV.TEMP 190.6

VOL 2 : 1448 PSIA 2 : 4563.2

VOL 3 : 1915 PSIA 3 : 4033.2 SHUT-IN PR= 5658.2

VOL 4 : 2168 PSIA 4 : 3573.2

PCR : 672

TCR : 354

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	1.000	1.000	1.448	1.448	1.915	1.915	2.168	2.168
2 TW	534	534	534	534	534	534	534	534
3 Ts	650.6	650.6	650.6	650.6	650.6	650.6	650.6	650.6
4 T	592.3	592.3	592.3	592.3	592.3	592.3	592.3	592.3
PR (est)	7.48		6.79		6.00		5.32	
5 Z(est)	0.962	1.013	0.928	0.974	0.893	0.931	0.867	0.897
6 TZ	569.9	600.2	549.6	576.7	528.7	551.3	513.3	531.2
7 GH/TZ	12.148	11.534	12.597	12.005	13.094	12.557	13.487	13.032
8 eS	1.577	1.541	1.604	1.569	1.634	1.601	1.658	1.630
9 1-e-S	0.366	0.351	0.376	0.362	0.388	0.376	0.397	0.387
10 Pt	5028.2	5028.2	4563.2	4563.2	4033.2	4033.2	3573.2	3573.2
11 Pt2 /1000	25282.8	25282.8	20822.8	20822.8	16266.7	16266.7	12767.8	12767.8
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.0182311
13 Fc=FrTZ	10.390	10.943	10.019	10.513	9.639	10.051	9.359	9.685
14 FcQm	10.39	10.94	14.51	15.22	18.46	19.25	20.29	21.00
15 L/H(FcQm)	107.9	119.7	210.5	231.7	340.7	370.5	411.7	440.9
16 Fw	39.49769	42.04745	79.24534	84.00860	132.2009	139.1417	163.4050	170.43695
17 Pw2	25322.3	25324.8	20902.0	20906.8	16398.9	16405.8	12931.2	12938.2
18 Ps2	39934.6	39029.1	33523.3	32794.9	26796.1	26272.7	21442.9	21091.7
19 Ps	6319.4	6247.3	5789.9	5726.7	5176.5	5125.7	4630.6	4592.6
20 P	5673.8	5637.8	5176.6	5144.9	4604.8	4579.4	4101.9	4082.9
21 Pr	8.44	8.39	7.70	7.66	6.85	6.81	6.10	6.08
22 Tr	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
23 Z	1.013	1.010	0.974	0.971	0.931	0.929	0.897	0.896

Pc = 5658.2 Pc2 = 32015.2

Pt2 = ******* Pw = 5032.4

******* 4572.7

******* 4050.4

******* 3597.0

Pc2-Pw2= 6690.4 Pw2 = 25324.8

******* 20906.8

******* 16405.8

******* 12938.2

n = 0.726

Pc2/(Pc2-Pw2) = 4.785

2.882

2.051

1.678

[Pc2/Pc2-Pw2]n = 3.116

2.156

1.685

1.456

AOF= Q 3.116

3.123

3.226

3.157

FORM C122-D