

COMPANY : OCEAN ENERGY LEASE : LWAY WELL NO. : 12
UNIT : E SECTION : 21 TOWNSHIP : 19S
L : 10708 H : 10708 L/H : 1 G/GMIX : 0.644
%CO2 : 2.389 %N2 : 0.919 H2S : DATE : 11/2/01
d : 2.441 Fr : 0.010763 GH : 6896.0 RANGE : 29E

VOL 1 : 746 PSIA 1 : 710.3 RESV.TEMP 181.1
VOL 2 : 952 PSIA 2 : 661.2
VOL 3 : 1266 PSIA 3 : 585.0 SHUT-IN PR= 753.3
VOL 4 : 2085 PSIA 4 : 471.7

PCR : 677
TCR : 366

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.746	0.746	0.952	0.952	1.266	1.266	2.085	2.085
2 TW	534	534	534	534	534	534	534	534
3 Ts	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1
4 T	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5
PR (est)	1.05		0.98		0.86		0.70	
5 Z(est)	0.898	0.888	0.903	0.893	0.911	0.901	0.923	0.912
6 TZ	527.5	521.5	530.4	524.7	535.0	529.5	542.1	535.9
7 GH/TZ	13.074	13.222	13.001	13.143	12.889	13.023	12.721	12.868
8 eS	1.633	1.642	1.628	1.637	1.621	1.630	1.611	1.620
9 l-e-S	0.388	0.391	0.386	0.389	0.383	0.386	0.379	0.383
10 Pt	710.3	710.3	661.2	661.2	585.0	585.0	471.7	471.7
11 Pt2 /1000	504.5	504.5	437.2	437.2	342.2	342.2	222.5	222.5
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13 Fc=FrTZ	5.677	5.613	5.709	5.647	5.759	5.699	5.835	5.768
14 FcQm	4.24	4.19	5.43	5.38	7.29	7.22	12.17	12.03
15 L/H(FcQm)	17.9	17.5	29.5	28.9	53.1	52.1	148.0	144.6
16 Fw	6.951157	6.855600	11.39722	11.24664	20.37098	20.11447	56.14487	55.362833
17 Pw2	511.5	511.4	448.6	448.4	362.6	362.3	278.6	277.9
18 Ps2	835.1	839.6	730.4	734.1	587.9	590.5	449.0	450.2
19 Ps	913.8	916.3	854.7	856.8	766.8	768.4	670.1	671.0
20 P	812.1	813.3	757.9	759.0	675.9	676.7	570.9	571.3
21 Pr	1.20	1.20	1.12	1.12	1.00	1.00	0.84	0.84
22 Tr	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
23 Z	0.888	0.888	0.893	0.893	0.901	0.901	0.912	0.912

Pc = 753.3 Pc2 = 567.5 *
Pt2 = 504.5 Pw = 715.1 *
437.2 669.7 *
342.2 601.9 *
222.5 527.1 *
Pc2-Pw2= 56.1 Pw2 = 511.4 *
119.0 448.4 *
205.1 362.3 *
289.6 277.9 *
n = 0.694
Pc2/(Pc2-Pw2) = 10.119
4.767
2.766
1.959
[Pc2/Pc2-Pw2]n = 4.986
2.957
2.027
1.595
AOF= Q 3.720
2.815
2.566
3.326
FORM C122-D