COMPANY :NADELL & GUSSMAN LEASE :SHOEBAR "4" WELL NO. : 1

UNIT : SECTION : TOWNSHIP :

L : 12350 H : 12650 L/H : 1 G/GMIX : 0.684

%CO2 : 5.162 %N2 : 1.321 H2S : DATE :9/10/01

d : 2.441 Fr :0.010763 GH : 8652.6 RANGE :

VOL 1 : 569 PSIA 1 : 413.2 RESV.TEMP 200.5

VOL 2 : PSIA 2 :

VOL 3 : PSIA 3 : SHUT-IN PR= 653.2

VOL 4 : PSIA 4 :

PCR : 689

TCR : 373

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	`1ST	`2ND	`1ST	``2ND	`1ST	`2ND	`1ST	`2ND
1 QM	0.569	0.569	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5
4 T	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
PR (est)	0.60		0.00		0.00		0.00	
5 Z(est)	0.929	0.921	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	555.1	550.3	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	15.589	15.723	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.794	1.803	ERR	ERR	ERR	ERR	ERR	ERR
9 1-e-S	0.443	0.445	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	413.2	413.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	170.7	170.7	0.0	0.0	0.0	0.0	0.0	0.0
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13 Fc=FrTZ	5.974	5.923	ERR	ERR	ERR	ERR	ERR	ERR
14 FcQm	3.40	3.37	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(FcQm)	11.3	11.1	ERR	ERR	ERR	ERR	ERR	ERR
16 Fw	4.993674	4.939627	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	175.7	175.7	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	315.3	316.8	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	561.5	562.8	ERR	ERR	ERR	ERR	ERR	ERR
20 P	487.4	488.0	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	0.71	0.71	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
23 Z	0.921	0.921	ERR	ERR	ERR	ERR	ERR	ERR

Pc = 653.2 Pc2 = 426.7 *

Pt2 = 170.7 Pw = 419.1 *

0.0 ERR *

0.0 ERR *

0.0 ERR *

Pc2-Pw2= 251.0 Pw2 = 175.7 *

ERR ERR *

ERR ERR *

ERR ERR *

n = 1.000 *

Pc2/(Pc2-Pw2) = 1.700 *

ERR *

ERR *

ERR *

[Pc2/Pc2-Pw2]n = 1.700 *

ERR *

ERR *

ERR *

AOF= Q 0.967 *

ERR *

ERR *

ERR *

FORM C122-D *