COMPANY :H.L. BROWN LEASE :FEATHER WELL NO. : 2

UNIT : SECTION : TOWNSHIP :

L : 12298 H : 12298 L/H : 1 G/GMIX : 0.738

%CO2 : 0.85 %N2 : H2S : DATE :8/27/97

d : 2.441 Fr :0.010763 GH : 9075.9 RANGE :

VOL 1 : 320 PSIA 1 : 793.2 RESV.TEMP 197.0

VOL 2 : 657 PSIA 2 : 738.2

VOL 3 : 1173 PSIA 3 : 573.2 SHUT-IN PR= 853.2

VOL 4 : 2155 PSIA 4 : 503.2

PCR : 664

TCR : 401

Pc = 853.2 Pc2 = 728.0

Pt2 = 629.2 Pw = 794.1

544.9 742.4

328.6 591.0

253.2 569.0

Pc2-Pw2= 97.3 Pw2 = 630.6

176.8 551.2

378.7 349.2

404.2 323.8

n = 1.000

Pc2/(Pc2-Pw2) = 7.480

4.118

1.922

1.801

[Pc2/Pc2-Pw2]n = 7.480

4.118

1.922

1.801

AOF= Q 2.393

2.706

2.255

3.881

	LINE	RATE 1		RATE 2		RATE 3		RATE 4	
		1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1	Qm	0.320	0.320	0.657	0.657	1.173	1.173	2.155	2.155
2	Tw	534	534	534	534	534	534	534	534
3	Ts	657.0	657.0	657.0	657.0	657.0	657.0	657.0	657.0
4	T	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5
	PR (est)	1.19		1.11		0.86		0.76	
5	Z(est)	0.859	0.838	0.867	0.846	0.890	0.873	0.900	0.880
6	TZ	511.5	498.9	516.0	504.0	530.0	519.7	536.1	524.0
7	GH/TZ	17.745	18.192	17.589	18.007	17.125	17.464	16.931	17.322
8	eS	1.945	1.978	1.934	1.965	1.901	1.925	1.887	1.915
9	1-e-S	0.486	0.494	0.483	0.491	0.474	0.481	0.470	0.478
10	Pt	793.2	793.2	738.2	738.2	573.2	573.2	503.2	503.2
11	Pt2 /1000	629.2	629.2	544.9	544.9	328.6	328.6	253.2	253.2
12	Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13	Fc=FrTZ	5.505	5.370	5.554	5.425	5.704	5.593	5.770	5.639
14	FcQm	1.76	1.72	3.65	3.56	6.69	6.56	12.43	12.15
15	L/H(FcQm)	3.1	3.0	13.3	12.7	44.8	43.0	154.6	147.7
16	Fw	1.507975	1.460067	6.429813	6.236715	21.21576	20.68471	72.66307	70.558283
17	Pw2	630.7	630.6	551.4	551.2	349.8	349.2	325.9	323.8
18	Ps2	1226.9	1247.5	1066.3	1082.8	664.8	672.3	614.9	619.9
19	Ps	1107.6	1116.9	1032.6	1040.6	815.3	819.9	784.1	787.4
20	P	950.4	955.1	885.4	889.4	694.3	696.6	643.7	645.3
21	Pr	1.43	1.44	1.33	1.34	1.05	1.05	0.97	0.97
22	Tr	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
23	Z	0.838	0.837	0.846	0.846	0.873	0.872	0.880	0.880

FORM C122-D