COMPANY : GREAT PETROLEUM GRAGG : N. SHUGART POOL WELL NO. : 4

UNIT : SECTION : TOWNSHIP :

L : 11517 H : 11517 L/H : 1 G/GMIX : 0.669

%CO2 : 0.522 %N2 : 0.533 H2S : DATE :4 21 01

d : 1.995 Fr :0.018231 GH : 7704.9 RANGE :

VOL 1 : 161 PSIA 1 : 1131.2 RESV.TEMP 189.2

VOL 2 : 311 PSIA 2 : 1031.2

VOL 3 : 612 PSIA 3 : 721.2 SHUT-IN PR= 1330.2

VOL 4 : 869 PSIA 4 : 608.2

PCR : 670

TCR : 378

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	`1ST	`2ND	`1ST	``2ND	`1ST	`2ND	`1ST	`2ND
1 QM	0.161	0.161	0.311	0.311	0.612	0.612	0.869	0.869
2 TW	534	534	534	534	534	534	534	534
3 Ts	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2
4 T	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6
PR (est)	1.69		1.54		1.08		0.91	
5 Z(est)	0.846	0.829	0.8[illegible]	0.839	0.888	0.875	0.901	0.888
6 TZ	500.3	490.5	506.0	496.4	525.4	517.6	533.1	525.6
7 GH/TZ	15,401	15,710	15,228	15,521	14,664	14,887	14,454	14,659
8 eS	1,782	1,802	1,770	1,790	1,733	1,748	1,719	1,733
9 1-e-S	0.439	0.445	0.435	0.441	0.423	0.428	0.418	0.423
10 Pt	1131.2	1131.2	1031.2	1031.2	721.2	721.2	608.2	608.2
11 Pt2 /1000	1279.6	1279.6	1063.4	1063.4	520.1	520.1	369.9	369.9
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Fc-FrTZ	9.121	8.942	9.225	9.050	9.579	9.436	9.718	9.582
14 FcQm	1.47	1.44	2.87	2.81	5.86	5.77	8.45	8.33
15 L/H(FcQm)	2.2	2.3	8.2	7.9	34.4	33.3	71.3	69.3
16 Fw	0.946026	0.922595	3.580667	3.495590	14.53758	14.26590	29.84325	29.322759
17 Pw2	1280.6	1280.5	1067.0	1066.9	534.7	534.4	399.8	399.2
18 Ps2	2281.5	2308.0	1888.6	1909.3	926.6	933.9	687.4	691.8
19 Ps	1510.5	1519.2	1374.3	1381.8	962.6	966.4	829.1	831.7
20 P	1320.8	1325.2	1207.7	1206.5	841.9	843.8	718.6	720.0
21 Pr	1.97	1.98	1.80	1.80	1.26	1.26	1.07	1.07
22 Tr	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57
23 Z	0.829	0.829	0.839	0.839	0.875	0.875	0.888	0.888

Pc = 1330.2 Pc2 = 1769.4

Pt2 =	1279.6	Pw = 1131.6
	1063.4	1032.9
	520.1	731.0
	369.9	631.8
Pc2-Pw2=	488.9	Pw2 = 1280.5
	702.6	1066.9
	1235.0	534.4
	1370.2	399.2

n = 1.000

Pc2/(Pc2-Pw2) =	3.619
	2.519
	1.433
	1.291
[Pc2/Pc2-Pw2]n =	3.619
	2.519
	1.433
	1.291
AOF= Q	0.583
	0.783
	0.877
	1.122

FORM C122-D