

COMPANY :SANTA FE ENERGY LEASE TOL 20 FED WELL NO. : 1 Pc = 3463.2 Pc2 = 11993.9
 UNIT : SECTION TOWNSHIP :22-S
 L : 11804 H : 11804 L/H : 1 G/SMIX : Pt2 = 3283.2 Pw = 3283.2
 XCD2 : 1.49 XN2 : 0.15 H2S : DATE :8/22/96 3213.2
 d : 1.995 Fr :0.018231 BH : 0.0 RANGE :28-E 3163.2
 9230.7 3038.2

VOL 1 : 507 PSIA 1 : 3283.2 RESV.TEMP 178.0 Pc2-Pw2= 1214.4 Pw2 = 10779.4
 VOL 2 : 752 PSIA 2 : 3213.2 1669.1 10324.7
 VOL 3 : 1065 PSIA 3 : 3163.2 SHUT-IN PR= 3463.2 1987.9 10005.8
 VOL 4 : 1552 PSIA 4 : 3038.2 2763.1 9230.7

PCR : 675 n = 1.000
 TCR : 342

Pc2/(Pc2-Pw2) = 9.377

LINE	RATE 1	RATE 2	RATE 3	RATE 4	
	1ST	2ND	1ST	2ND	1ST
1	GM	0.507	0.507	0.752	0.752
2	TW	534	534	534	534
3	Ts	638.0	638.0	638.0	638.0
4	T	586.0	586.0	586.0	586.0
	PR (est)	4.86	4.76	4.69	4.50
5	Z(est)	0.866	0.866	0.863	0.861
6	TZ	507.4	507.4	505.8	504.8
7	GM/TZ	0.000	0.000	0.000	0.000
8	eS	1.000	1.000	1.000	1.000
9	1-e-S	0.000	0.000	0.000	0.000
10	Pt	3283.2	3283.2	3213.2	3163.2
11	Pt2 /1000	10779.4	10779.4	10324.7	10005.8
12	Fr	0.018231	0.018231	0.018231	0.018231
13	Fc=F-TZ	9.250	9.250	9.222	9.203
14	FcGa	4.69	4.69	6.93	9.30
15	L/H(FcGa)	22.0	22.0	48.1	96.1
16	Fw	0	0	0	0
17	Pw2	10779.4	10779.4	10324.7	10005.8
18	Ps2	10779.4	10779.4	10324.7	10005.8
19	Ps	3283.2	3283.2	3213.2	3163.2
20	P	3283.2	3283.2	3213.2	3163.2
21	Pr	4.86	4.86	4.76	4.69
22	Tr	1.71	1.71	1.71	1.71
23	Z	0.866	0.866	0.863	0.861

FORM C122-0