

APPENDIX 3C

CONTAINMENT SHELL STRESS CALCULATION RESULTS

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Table 3C-1 CONTAINMENT SHELL STRESS CALCULATION RESULTS

Table 3C-1 CONTAINMENT SHELL STRESS CALCULATION RESULTS								
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES	STRESS CPL	STRESS RES	STRESS CPL				
	(K/FT)	(K-FT/FT)	(K/FT)	(K-FT/FT)				
1	-70.900	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
4	0.0	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
5	227.000	-30.000	79.600	0.0	0.0	55.300	0.0	0.099
6	8.000	0.0	-1.500	0.0	0.0	1.200	0.0	0.0
7	8.000	0.0	-1.500	0.0	0.0	1.200	0.0	0.0
8	70.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COMBINED STRESSES - ELEMENT NO. 0								
LOAD COMB. NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES	STRESS CPL	STRESS RES	STRESS CPL				
	(K/FT)	(K-FT/FT)	(K/FT)	(K-FT/FT)				
1	-369.900	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
2	-420.729	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
3	-369.900	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
4	-420.729	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
5	-229.300	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
6	-280.129	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
7	-229.300	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
8	-280.129	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
9	-510.500	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
10	-561.329	0.0	130.200	99.500	0.0	-6.600	0.0	0.0
11	-510.500	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
12	-561.329	0.0	-130.200	0.0	0.0	6.600	0.0	0.0
13	-108.850	-34.500	221.740	99.500	0.0	56.995	0.0	0.114
14	-159.680	-34.500	221.740	99.500	0.0	56.995	0.0	0.114
15	-108.850	-34.500	-38.660	0.0	0.0	70.195	0.0	0.114
16	-159.680	-34.500	-38.660	0.0	0.0	70.195	0.0	0.114
17	-134.900	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
18	-185.729	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
19	-134.900	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
20	-185.729	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
21	-78.660	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
22	-129.490	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
23	-78.660	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
24	-129.490	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
25	-191.140	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
26	-241.969	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
27	-191.140	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
28	-241.969	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
29	-21.400	-45.000	248.100	99.500	0.0	77.550	0.0	0.148
30	-72.229	-45.000	248.100	99.500	0.0	77.550	0.0	0.148
31	-21.400	-45.000	-12.300	0.0	0.0	90.750	0.0	0.148
32	-72.229	-45.000	-12.300	0.0	0.0	90.750	0.0	0.148
33	-7.850	-37.500	228.200	99.500	0.0	63.725	0.0	0.124
34	-58.680	-37.500	228.200	99.500	0.0	63.725	0.0	0.124
35	-7.850	-37.500	-32.200	0.0	0.0	76.925	0.0	0.124
36	-58.680	-37.500	-32.200	0.0	0.0	76.925	0.0	0.124
37	-148.450	-37.500	228.200	99.500	0.0	63.725	0.0	0.124
38	-199.279	-37.500	228.200	99.500	0.0	63.725	0.0	0.124
39	-148.450	-37.500	-32.200	0.0	0.0	76.925	0.0	0.124
40	-199.279	-37.500	-32.200	0.0	0.0	76.925	0.0	0.124
41	5.700	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
42	-45.130	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
43	5.700	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
44	-45.130	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
45	-275.500	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
46	-326.329	-30.000	208.300	99.500	0.0	49.900	0.0	0.099
47	-275.500	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099
48	-326.329	-30.000	-52.100	0.0	0.0	63.100	0.0	0.099

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 2 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 3					MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
FUND. LOAD NO.	MERIDIONAL		HOOP		STRESS RES	STRESS CPL	STRESS CPL	
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-99.400	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.038
4	0.0	16.100	-38.300	0.0	0.0	4.200	0.0	0.101
5	227.000	106.000	127.400	0.0	0.0	36.200	0.0	0.149
6	8.000	2.500	-0.600	0.0	0.0	0.800	0.0	0.001
7	8.000	2.500	-0.600	0.0	0.0	0.800	0.0	0.001
8	68.300	0.0	0.0	0.0	0.0	0.0	0.0	0.002
COMBINED STRESSES - ELEMENT NO. 3					MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
LOAD. COMB. NO.	MERIDIONAL		HOOP		STRESS RES	STRESS CPL	STRESS CPL	
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-368.400	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.038
2	-419.229	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.038
3	-368.400	16.100	-38.300	0.0	0.0	4.200	0.0	0.101
4	-419.229	16.100	-38.300	0.0	0.0	4.200	0.0	0.101
5	-231.800	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.034
6	-282.629	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.034
7	-231.800	16.100	-38.300	0.0	0.0	4.200	0.0	0.105
8	-282.629	16.100	-38.300	0.0	0.0	4.200	0.0	0.105
9	-905.000	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.042
10	-555.829	-9.700	99.600	99.500	0.0	-0.300	0.0	-0.042
11	-905.000	16.100	-38.300	0.0	0.0	4.200	0.0	0.097
12	-555.829	16.100	-38.300	0.0	0.0	4.200	0.0	0.097
13	-107.350	112.200	242.110	99.500	0.0	41.330	0.0	0.133
14	-158.180	112.200	242.110	99.500	0.0	41.330	0.0	0.133
15	-107.350	138.000	108.210	0.0	0.0	45.630	0.0	0.272
16	-158.180	138.000	108.210	0.0	0.0	45.630	0.0	0.272
17	-133.400	98.800	222.400	99.500	0.0	36.700	0.0	0.112
18	-184.229	98.800	222.400	99.500	0.0	36.700	0.0	0.112
19	-133.400	124.600	88.500	0.0	0.0	41.200	0.0	0.251
20	-184.229	124.600	88.500	0.0	0.0	41.200	0.0	0.251
21	-78.760	98.800	222.400	99.500	0.0	36.700	0.0	0.114
22	-129.590	98.800	222.400	99.500	0.0	36.700	0.0	0.114
23	-78.760	124.600	88.500	0.0	0.0	41.200	0.0	0.253
24	-129.590	124.600	88.500	0.0	0.0	41.200	0.0	0.253
25	-188.040	98.800	222.400	99.500	0.0	36.700	0.0	0.110
26	-238.869	98.800	222.400	99.500	0.0	36.700	0.0	0.110
27	-188.040	124.600	88.500	0.0	0.0	41.200	0.0	0.249
28	-238.869	124.600	88.500	0.0	0.0	41.200	0.0	0.249
29	-19.900	151.800	286.100	99.500	0.0	54.800	0.0	0.186
30	-70.729	151.800	286.100	99.500	0.0	54.800	0.0	0.186
31	-19.900	177.600	152.200	0.0	0.0	59.300	0.0	0.325
32	-70.729	177.600	152.200	0.0	0.0	59.300	0.0	0.325
33	-6.350	125.300	254.250	99.500	0.0	45.750	0.0	0.151
34	-59.180	125.300	254.250	99.500	0.0	45.750	0.0	0.151
35	-6.350	151.100	120.350	0.0	0.0	50.250	0.0	0.290
36	-59.180	151.100	120.350	0.0	0.0	50.250	0.0	0.290
37	-144.950	125.300	254.250	99.500	0.0	45.750	0.0	0.147
38	-195.779	125.300	254.250	99.500	0.0	45.750	0.0	0.147
39	-144.950	151.100	120.350	0.0	0.0	50.250	0.0	0.286
40	-195.779	151.100	120.350	0.0	0.0	50.250	0.0	0.286
41	3.200	98.800	222.400	99.500	0.0	36.700	0.0	0.116
42	-47.630	98.800	222.400	99.500	0.0	36.700	0.0	0.116
43	3.200	124.600	88.500	0.0	0.0	41.200	0.0	0.255
44	-47.630	124.600	88.500	0.0	0.0	41.200	0.0	0.255
45	-270.000	98.800	222.400	99.500	0.0	36.700	0.0	0.108
46	-320.829	98.800	222.400	99.500	0.0	36.700	0.0	0.108
47	-270.000	124.600	88.500	0.0	0.0	41.200	0.0	0.247
48	-320.829	124.600	88.500	0.0	0.0	41.200	0.0	0.247

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 3 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

FUND. LOAD NO.	ELEMENT NO. 6				MERIDIONAL SHEAR (K/FT)		RADIAL DISPLACEMENT (IN)	
	MERIDIONAL		HOOP					
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-67.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	-3.600	62.000	99.500	0.0	4.000	0.0	-0.075
4	0.0	25.900	-30.100	0.0	0.0	2.400	0.0	0.110
5	227.000	190.600	199.400	0.0	0.0	20.900	0.0	0.226
6	8.000	4.300	1.200	0.0	0.0	0.500	0.0	0.003
7	8.000	4.300	1.200	0.0	0.0	0.500	0.0	0.003
8	66.300	0.0	0.0	0.0	0.0	0.0	0.0	0.003
COMBINED STRESSES - ELEMENT NO. 6								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)		RADIAL DISPLACEMENT (IN)	
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-366.800	-3.600	62.000	99.500	0.0	4.000	0.0	-0.075
2	-417.629	-3.600	62.000	99.500	0.0	4.000	0.0	-0.075
3	-366.800	25.900	-30.100	0.0	0.0	2.400	0.0	0.110
4	-417.629	25.900	-30.100	0.0	0.0	2.400	0.0	0.110
5	-234.200	-3.600	62.000	99.500	0.0	4.000	0.0	-0.069
6	-285.029	-3.600	62.000	99.500	0.0	4.000	0.0	-0.069
7	-234.200	25.900	-30.100	0.0	0.0	2.400	0.0	0.116
8	-285.029	25.900	-30.100	0.0	0.0	2.400	0.0	0.116
9	-499.400	-3.600	62.000	99.500	0.0	4.000	0.0	-0.081
10	-550.229	-3.600	62.000	99.500	0.0	4.000	0.0	-0.081
11	-499.400	25.900	-30.100	0.0	0.0	2.400	0.0	0.104
12	-550.229	25.900	-30.100	0.0	0.0	2.400	0.0	0.104
13	-105.750	215.590	291.310	99.500	0.0	28.035	0.0	0.185
14	-156.580	215.590	291.310	99.500	0.0	28.035	0.0	0.185
15	-105.750	245.090	199.210	0.0	0.0	26.435	0.0	0.370
16	-156.580	245.090	199.210	0.0	0.0	26.435	0.0	0.370
17	-131.800	191.300	262.600	99.500	0.0	25.400	0.0	0.154
18	-182.629	191.300	262.600	99.500	0.0	25.400	0.0	0.154
19	-131.800	220.800	170.500	0.0	0.0	23.800	0.0	0.339
20	-182.629	220.800	170.500	0.0	0.0	23.800	0.0	0.339
21	-78.760	191.300	262.600	99.500	0.0	25.400	0.0	0.156
22	-129.589	191.300	262.600	99.500	0.0	25.400	0.0	0.156
23	-78.760	220.800	170.500	0.0	0.0	23.800	0.0	0.341
24	-129.589	220.800	170.500	0.0	0.0	23.800	0.0	0.341
25	-184.840	191.300	262.600	99.500	0.0	25.400	0.0	0.152
26	-235.669	191.300	262.600	99.500	0.0	25.400	0.0	0.152
27	-184.840	220.800	170.500	0.0	0.0	23.800	0.0	0.337
28	-235.669	220.800	170.500	0.0	0.0	23.800	0.0	0.337
29	-18.300	286.600	362.300	99.500	0.0	35.850	0.0	0.267
30	-69.129	286.600	362.300	99.500	0.0	35.850	0.0	0.267
31	-18.300	316.100	270.200	0.0	0.0	34.250	0.0	0.452
32	-69.129	316.100	270.200	0.0	0.0	34.250	0.0	0.452
33	-8.750	238.950	312.450	99.500	0.0	30.625	0.0	0.213
34	-59.579	238.950	312.450	99.500	0.0	30.625	0.0	0.213
35	-8.750	268.450	220.350	0.0	0.0	29.025	0.0	0.398
36	-59.579	268.450	220.350	0.0	0.0	29.025	0.0	0.398
37	-141.350	238.950	312.450	99.500	0.0	30.625	0.0	0.207
38	-192.179	238.950	312.450	99.500	0.0	30.625	0.0	0.207
39	-141.350	268.450	220.350	0.0	0.0	29.025	0.0	0.392
40	-192.179	268.450	220.350	0.0	0.0	29.025	0.0	0.392
41	0.800	191.300	262.600	99.500	0.0	25.400	0.0	0.180
42	-50.029	191.300	262.600	99.500	0.0	25.400	0.0	0.180
43	0.800	220.800	170.500	0.0	0.0	23.800	0.0	0.345
44	-50.029	220.800	170.500	0.0	0.0	23.800	0.0	0.345
45	-264.400	191.300	262.600	99.500	0.0	25.400	0.0	0.148
46	-315.229	191.300	262.600	99.500	0.0	25.400	0.0	0.148
47	-264.400	220.800	170.500	0.0	0.0	23.800	0.0	0.333
48	-315.229	220.800	170.500	0.0	0.0	23.800	0.0	0.333

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 4 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 10					MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
PUMP. LOAD NO.	MERIDIONAL		HOOP					
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-65.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	19.800	27.300	99.500	0.0	7.200	0.0	-0.113
4	0.0	31.600	-19.100	0.0	0.0	0.600	0.0	0.122
5	227.000	243.000	282.200	0.0	0.0	6.200	0.0	0.314
6	8.000	5.500	3.000	0.0	0.0	0.100	0.0	0.005
7	8.000	5.500	3.000	0.0	0.0	0.100	0.0	0.005
8	63.600	0.0	0.0	0.0	0.0	0.0	0.0	0.005
COMBINED STRESSES - ELEMENT NO. 10								
LOAD. COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-364.800	19.800	27.300	99.500	0.0	7.200	0.0	-0.113
2	-415.629	19.800	27.300	99.500	0.0	7.200	0.0	-0.113
3	-364.800	31.600	-19.100	0.0	0.0	0.600	0.0	0.122
4	-415.629	31.600	-19.100	0.0	0.0	0.600	0.0	0.122
5	-237.600	19.800	27.300	99.500	0.0	7.200	0.0	-0.103
6	-288.429	19.800	27.300	99.500	0.0	7.200	0.0	-0.103
7	-237.600	31.600	-19.100	0.0	0.0	0.600	0.0	0.132
8	-288.429	31.600	-19.100	0.0	0.0	0.600	0.0	0.132
9	-492.000	19.800	27.300	99.500	0.0	7.200	0.0	-0.123
10	-542.829	19.800	27.300	99.500	0.0	7.200	0.0	-0.123
11	-492.000	31.600	-19.100	0.0	0.0	0.600	0.0	0.112
12	-542.829	31.600	-19.100	0.0	0.0	0.600	0.0	0.112
13	-103.750	299.250	351.830	99.500	0.0	14.330	0.0	0.248
14	-154.580	299.250	351.830	99.500	0.0	14.330	0.0	0.248
15	-103.750	311.050	305.430	0.0	0.0	7.730	0.0	0.483
16	-154.580	311.050	305.430	0.0	0.0	7.730	0.0	0.483
17	-129.800	268.300	312.500	99.500	0.0	13.500	0.0	0.206
18	-180.629	268.300	312.500	99.500	0.0	13.500	0.0	0.206
19	-129.800	280.100	266.100	0.0	0.0	6.900	0.0	0.441
20	-180.629	280.100	266.100	0.0	0.0	6.900	0.0	0.441
21	-78.920	268.300	312.500	99.500	0.0	13.500	0.0	0.210
22	-129.749	268.300	312.500	99.500	0.0	13.500	0.0	0.210
23	-78.920	280.100	266.100	0.0	0.0	6.900	0.0	0.445
24	-129.749	280.100	266.100	0.0	0.0	6.900	0.0	0.445
25	-180.680	268.300	312.500	99.500	0.0	13.500	0.0	0.202
26	-231.509	268.300	312.500	99.500	0.0	13.500	0.0	0.202
27	-180.680	280.100	266.100	0.0	0.0	6.900	0.0	0.437
28	-231.509	280.100	266.100	0.0	0.0	6.900	0.0	0.437
29	-16.300	389.800	453.600	99.500	0.0	16.600	0.0	0.363
30	-67.129	389.800	453.600	99.500	0.0	16.600	0.0	0.363
31	-16.300	401.600	407.200	0.0	0.0	10.000	0.0	0.598
32	-67.129	401.600	407.200	0.0	0.0	10.000	0.0	0.598
33	-9.450	329.050	383.050	99.500	0.0	15.050	0.0	0.289
34	-60.279	329.050	383.050	99.500	0.0	15.050	0.0	0.289
35	-9.450	340.850	336.850	0.0	0.0	8.450	0.0	0.524
36	-60.279	340.850	336.850	0.0	0.0	8.450	0.0	0.524
37	-136.650	329.050	383.050	99.500	0.0	15.050	0.0	0.279
38	-187.479	329.050	383.050	99.500	0.0	15.050	0.0	0.279
39	-136.650	340.850	336.850	0.0	0.0	8.450	0.0	0.514
40	-187.479	340.850	336.850	0.0	0.0	8.450	0.0	0.514
41	-2.600	268.300	312.500	99.500	0.0	13.500	0.0	0.216
42	-53.429	268.300	312.500	99.500	0.0	13.500	0.0	0.216
43	-2.600	280.100	266.100	0.0	0.0	6.900	0.0	0.451
44	-53.429	280.100	266.100	0.0	0.0	6.900	0.0	0.451
45	-257.000	268.300	312.500	99.500	0.0	13.500	0.0	0.196
46	-307.829	268.300	312.500	99.500	0.0	13.500	0.0	0.196
47	-257.000	280.100	266.100	0.0	0.0	6.900	0.0	0.431
48	-307.829	280.100	266.100	0.0	0.0	6.900	0.0	0.431

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 5 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 15					MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----					
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-63.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	59.700	0.0	99.500	0.0	8.400	0.0	-0.143
4	0.0	30.900	-15.500	0.0	0.0	-0.700	0.0	0.126
5	227.000	243.600	363.100	0.0	0.0	-4.800	0.0	0.401
6	8.000	5.500	5.000	0.0	0.0	-0.100	0.0	0.007
7	8.000	5.500	5.000	0.0	0.0	-0.100	0.0	0.007
8	60.200	0.0	0.0	0.0	0.0	0.0	0.0	0.007
COMBINED STRESSES - ELEMENT NO. 15								
LOAD. COMB. NO.	----- MERIDIONAL -----		----- HOOP -----			MERIDIONAL SHEAR (K/FT)		RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-362.300	59.700	0.0	99.500	0.0	8.400	0.0	-0.143
2	-413.129	59.700	0.0	99.500	0.0	8.400	0.0	-0.143
3	-362.300	30.900	-15.500	0.0	0.0	-0.700	0.0	0.126
4	-413.129	30.900	-15.500	0.0	0.0	-0.700	0.0	0.126
5	-241.900	59.700	0.0	99.500	0.0	8.400	0.0	-0.129
6	-292.729	59.700	0.0	99.500	0.0	8.400	0.0	-0.129
7	-241.900	30.900	-15.500	0.0	0.0	-0.700	0.0	0.140
8	-292.729	30.900	-15.500	0.0	0.0	-0.700	0.0	0.140
9	-482.700	59.700	0.0	99.500	0.0	8.400	0.0	-0.157
10	-533.529	59.700	0.0	99.500	0.0	8.400	0.0	-0.157
11	-482.700	30.900	-15.500	0.0	0.0	-0.700	0.0	0.112
12	-533.529	30.900	-15.500	0.0	0.0	-0.700	0.0	0.112
13	-101.250	339.840	417.564	99.500	0.0	2.880	0.0	0.318
14	-152.080	339.840	417.564	99.500	0.0	2.880	0.0	0.318
15	-101.250	311.040	402.064	0.0	0.0	-6.220	0.0	0.587
16	-152.080	311.040	402.064	0.0	0.0	-6.220	0.0	0.587
17	-127.300	308.800	368.100	99.500	0.0	3.500	0.0	0.265
18	-178.129	308.800	368.100	99.500	0.0	3.500	0.0	0.265
19	-127.300	280.000	352.600	0.0	0.0	-5.600	0.0	0.534
20	-178.129	280.000	352.600	0.0	0.0	-5.600	0.0	0.534
21	-79.140	308.800	368.100	99.500	0.0	3.500	0.0	0.271
22	-129.969	308.800	368.100	99.500	0.0	3.500	0.0	0.271
23	-79.140	280.000	352.600	0.0	0.0	-5.600	0.0	0.540
24	-129.969	280.000	352.600	0.0	0.0	-5.600	0.0	0.540
25	-175.460	308.800	368.100	99.500	0.0	3.500	0.0	0.259
26	-226.289	308.800	368.100	99.500	0.0	3.500	0.0	0.259
27	-175.460	280.000	352.600	0.0	0.0	-5.600	0.0	0.528
28	-226.289	280.000	352.600	0.0	0.0	-5.600	0.0	0.528
29	-13.800	430.600	549.650	99.500	0.0	1.100	0.0	0.465
30	-64.629	430.600	549.650	99.500	0.0	1.100	0.0	0.465
31	-13.800	401.800	534.150	0.0	0.0	-8.000	0.0	0.734
32	-64.629	401.800	534.150	0.0	0.0	-8.000	0.0	0.734
33	-10.350	369.700	458.875	99.500	0.0	2.300	0.0	0.372
34	-61.179	369.700	458.875	99.500	0.0	2.300	0.0	0.372
35	-10.350	340.900	443.375	0.0	0.0	-6.800	0.0	0.641
36	-61.179	340.900	443.375	0.0	0.0	-6.800	0.0	0.641
37	-130.750	369.700	458.875	99.500	0.0	2.300	0.0	0.358
38	-181.579	369.700	458.875	99.500	0.0	2.300	0.0	0.358
39	-130.750	340.900	443.375	0.0	0.0	-6.800	0.0	0.627
40	-181.579	340.900	443.375	0.0	0.0	-6.800	0.0	0.627
41	-6.900	308.800	368.100	99.500	0.0	3.500	0.0	0.279
42	-57.729	308.800	368.100	99.500	0.0	3.500	0.0	0.279
43	-6.900	280.000	352.600	0.0	0.0	-5.600	0.0	0.548
44	-57.729	280.000	352.600	0.0	0.0	-5.600	0.0	0.548
45	-247.700	308.800	368.100	99.500	0.0	3.500	0.0	0.251
46	-298.529	308.800	368.100	99.500	0.0	3.500	0.0	0.251
47	-247.700	280.000	352.600	0.0	0.0	-5.600	0.0	0.520
48	-298.529	280.000	352.600	0.0	0.0	-5.600	0.0	0.520

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 6 of Table 3C-1 Elements 20, 30, 40, 60, 75

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 20								
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-60.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	100.200	-14.600	99.500	0.0	7.600	0.0	-0.159
4	0.0	25.700	-2.700	0.0	0.0	-1.300	0.0	0.140
5	227.000	205.700	418.800	0.0	0.0	-9.700	0.0	0.460
6	8.000	4.600	6.000	0.0	0.0	-0.200	0.0	0.008
7	8.000	4.600	6.000	0.0	0.0	-0.200	0.0	0.008
8	56.900	0.0	0.0	0.0	0.0	0.0	0.0	0.010
COMBINED STRESSES - ELEMENT NO. 20								
LOAD. COMB. NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-359.500	100.200	-14.600	99.500	0.0	7.600	0.0	-0.159
2	-410.330	100.200	-14.600	99.500	0.0	7.600	0.0	-0.159
3	-359.500	25.700	-2.700	0.0	0.0	-1.300	0.0	0.140
4	-410.330	25.700	-2.700	0.0	0.0	-1.300	0.0	0.140
5	-245.700	100.200	-14.600	99.500	0.0	7.600	0.0	-0.139
6	-296.530	100.200	-14.600	99.500	0.0	7.600	0.0	-0.139
7	-245.700	25.700	-2.700	0.0	0.0	-1.300	0.0	0.140
8	-296.530	25.700	-2.700	0.0	0.0	-1.300	0.0	0.140
9	-473.300	100.200	-14.600	99.500	0.0	7.600	0.0	-0.179
10	-524.129	100.200	-14.600	99.500	0.0	7.600	0.0	-0.179
11	-473.300	25.700	-2.700	0.0	0.0	-1.300	0.0	0.120
12	-524.129	25.700	-2.700	0.0	0.0	-1.300	0.0	0.120
13	-98.450	336.755	467.019	99.500	0.0	-3.555	0.0	0.370
14	-149.280	336.755	467.019	99.500	0.0	-3.555	0.0	0.370
15	-98.450	262.255	478.919	0.0	0.0	-12.455	0.0	0.669
16	-149.280	262.255	478.919	0.0	0.0	-12.455	0.0	0.669
17	-124.500	310.500	410.200	99.500	0.0	-2.300	0.0	0.309
18	-175.330	310.500	410.200	99.500	0.0	-2.300	0.0	0.309
19	-124.500	236.000	422.100	0.0	0.0	-11.200	0.0	0.608
20	-175.330	236.000	422.100	0.0	0.0	-11.200	0.0	0.608
21	-78.980	310.500	410.200	99.500	0.0	-2.300	0.0	0.317
22	-129.810	310.500	410.200	99.500	0.0	-2.300	0.0	0.317
23	-78.980	236.000	422.100	0.0	0.0	-11.200	0.0	0.616
24	-129.810	236.000	422.100	0.0	0.0	-11.200	0.0	0.616
25	-170.020	310.500	410.200	99.500	0.0	-2.300	0.0	0.301
26	-220.850	310.500	410.200	99.500	0.0	-2.300	0.0	0.301
27	-170.020	236.000	422.100	0.0	0.0	-11.200	0.0	0.600
28	-220.850	236.000	422.100	0.0	0.0	-11.200	0.0	0.600
29	-11.000	413.350	619.600	99.500	0.0	-7.150	0.0	0.539
30	-61.830	413.350	619.600	99.500	0.0	-7.150	0.0	0.539
31	-11.000	338.850	631.500	0.0	0.0	-16.050	0.0	0.838
32	-61.830	338.850	631.500	0.0	0.0	-16.050	0.0	0.838
33	-10.850	361.925	514.900	99.500	0.0	-4.725	0.0	0.434
34	-61.680	361.925	514.900	99.500	0.0	-4.725	0.0	0.434
35	-10.850	287.425	526.800	0.0	0.0	-13.625	0.0	0.733
36	-61.680	287.425	526.800	0.0	0.0	-13.625	0.0	0.733
37	-124.650	361.925	514.900	99.500	0.0	-4.725	0.0	0.414
38	-175.480	361.925	514.900	99.500	0.0	-4.725	0.0	0.414
39	-124.650	287.425	526.800	0.0	0.0	-13.625	0.0	0.713
40	-175.480	287.425	526.800	0.0	0.0	-13.625	0.0	0.713
41	-10.700	310.500	410.200	99.500	0.0	-2.300	0.0	0.329
42	-61.530	310.500	410.200	99.500	0.0	-2.300	0.0	0.329
43	-10.700	236.000	422.100	0.0	0.0	-11.200	0.0	0.628
44	-61.530	236.000	422.100	0.0	0.0	-11.200	0.0	0.628
45	-238.300	310.500	410.200	99.500	0.0	-2.300	0.0	0.289
46	-289.129	310.500	410.200	99.500	0.0	-2.300	0.0	0.289
47	-238.300	236.000	422.100	0.0	0.0	-11.200	0.0	0.588
48	-289.129	236.000	422.100	0.0	0.0	-11.200	0.0	0.588

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 7 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 30								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-55.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	160.400	-19.200	99.500	0.0	4.300	0.0	-0.164
4	0.0	12.500	2.700	0.0	0.0	-1.200	0.0	0.146
5	227.000	102.800	469.000	0.0	0.0	-9.500	0.0	0.514
6	8.000	2.300	6.700	0.0	0.0	-0.200	0.0	0.009
7	8.000	2.300	6.700	0.0	0.0	-0.200	0.0	0.009
8	50.300	0.0	0.0	0.0	0.0	0.0	0.0	0.016
COMBINED STRESSES - ELEMENT NO. 30								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-354.700	160.400	-19.200	99.500	0.0	4.300	0.0	-0.164
2	-405.530	160.400	-19.200	99.500	0.0	4.300	0.0	-0.164
3	-354.700	12.500	2.700	0.0	0.0	-1.200	0.0	0.146
4	-405.530	12.500	2.700	0.0	0.0	-1.200	0.0	0.146
5	-254.100	160.400	-19.200	99.500	0.0	4.300	0.0	-0.132
6	-304.929	160.400	-19.200	99.500	0.0	4.300	0.0	-0.132
7	-254.100	12.500	2.700	0.0	0.0	-1.200	0.0	0.178
8	-304.929	12.500	2.700	0.0	0.0	-1.200	0.0	0.178
9	-455.300	160.400	-19.200	99.500	0.0	4.300	0.0	-0.196
10	-506.129	160.400	-19.200	99.500	0.0	4.300	0.0	-0.196
11	-455.300	12.500	2.700	0.0	0.0	-1.200	0.0	0.114
12	-506.129	12.500	2.700	0.0	0.0	-1.200	0.0	0.114
13	-93.650	278.620	520.149	99.500	0.0	-6.625	0.0	0.427
14	-144.480	278.620	520.149	99.500	0.0	-6.625	0.0	0.427
15	-93.650	130.770	542.000	0.0	0.0	-12.125	0.0	0.787
16	-144.480	130.770	542.000	0.0	0.0	-12.125	0.0	0.787
17	-119.700	265.500	456.500	99.500	0.0	-5.400	0.0	0.359
18	-170.530	265.500	456.500	99.500	0.0	-5.400	0.0	0.359
19	-119.700	117.600	478.400	0.0	0.0	-10.900	0.0	0.669
20	-170.530	117.600	478.400	0.0	0.0	-10.900	0.0	0.669
21	-79.460	265.500	456.500	99.500	0.0	-5.400	0.0	0.372
22	-130.290	265.500	456.500	99.500	0.0	-5.400	0.0	0.372
23	-79.460	117.600	478.400	0.0	0.0	-10.900	0.0	0.682
24	-130.290	117.600	478.400	0.0	0.0	-10.900	0.0	0.682
25	-154.940	265.500	456.500	99.500	0.0	-5.400	0.0	0.346
26	-210.770	265.500	456.500	99.500	0.0	-5.400	0.0	0.346
27	-154.940	117.600	478.400	0.0	0.0	-10.900	0.0	0.656
28	-210.770	117.600	478.400	0.0	0.0	-10.900	0.0	0.656
29	-6.200	316.900	691.000	99.500	0.0	-10.150	0.0	0.616
30	-57.030	316.900	691.000	99.500	0.0	-10.150	0.0	0.616
31	-6.200	169.000	712.900	0.0	0.0	-15.650	0.0	0.926
32	-57.030	169.000	712.900	0.0	0.0	-15.650	0.0	0.926
33	-12.650	291.200	573.750	99.500	0.0	-7.775	0.0	0.503
34	-63.480	291.200	573.750	99.500	0.0	-7.775	0.0	0.503
35	-12.650	143.300	595.650	0.0	0.0	-13.275	0.0	0.813
36	-63.480	143.300	595.650	0.0	0.0	-13.275	0.0	0.813
37	-113.250	291.200	573.750	99.500	0.0	-7.775	0.0	0.471
38	-164.080	291.200	573.750	99.500	0.0	-7.775	0.0	0.471
39	-113.250	143.300	595.650	0.0	0.0	-13.275	0.0	0.781
40	-164.080	143.300	595.650	0.0	0.0	-13.275	0.0	0.781
41	-19.100	265.500	456.500	99.500	0.0	-5.400	0.0	0.391
42	-69.930	265.500	456.500	99.500	0.0	-5.400	0.0	0.391
43	-19.100	117.600	478.400	0.0	0.0	-10.900	0.0	0.701
44	-69.930	117.600	478.400	0.0	0.0	-10.900	0.0	0.701
45	-220.300	265.500	456.500	99.500	0.0	-5.400	0.0	0.327
46	-271.129	265.500	456.500	99.500	0.0	-5.400	0.0	0.327
47	-220.300	117.600	478.400	0.0	0.0	-10.900	0.0	0.637
48	-271.129	117.600	478.400	0.0	0.0	-10.900	0.0	0.637

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 8 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 40								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-50.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	188.000	-11.800	99.500	0.0	1.500	0.0	-0.156
4	0.0	3.300	2.700	0.0	0.0	-0.600	0.0	0.146
5	227.000	28.900	473.200	0.0	0.0	-5.200	0.0	0.518
6	8.000	0.600	8.700	0.0	0.0	-0.100	0.0	0.009
7	8.000	0.600	8.700	0.0	0.0	-0.100	0.0	0.009
8	46.700	0.0	0.0	0.0	0.0	0.0	0.0	0.021
COMBINED STRESSES - ELEMENT NO. 40								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-349.500	188.000	-11.800	99.500	0.0	1.500	0.0	-0.156
2	-400.330	188.000	-11.800	99.500	0.0	1.500	0.0	-0.156
3	-349.500	3.300	2.700	0.0	0.0	-0.600	0.0	0.146
4	-400.330	3.300	2.700	0.0	0.0	-0.600	0.0	0.146
5	-256.100	188.000	-11.800	99.500	0.0	1.500	0.0	-0.114
6	-306.929	188.000	-11.800	99.500	0.0	1.500	0.0	-0.114
7	-256.100	3.300	2.700	0.0	0.0	-0.600	0.0	0.188
8	-306.929	3.300	2.700	0.0	0.0	-0.600	0.0	0.188
9	-442.900	188.000	-11.800	99.500	0.0	1.500	0.0	-0.198
10	-442.929	188.000	-11.800	99.500	0.0	1.500	0.0	-0.198
11	-442.900	3.300	2.700	0.0	0.0	-0.600	0.0	0.104
12	-442.929	3.300	2.700	0.0	0.0	-0.600	0.0	0.104
13	-88.450	221.235	932.380	99.500	0.0	-4.480	0.0	0.440
14	-139.280	221.235	932.380	99.500	0.0	-4.480	0.0	0.440
15	-88.450	36.335	544.880	0.0	0.0	-6.560	0.0	0.742
16	-139.280	36.335	544.880	0.0	0.0	-6.560	0.0	0.742
17	-114.500	217.500	468.100	99.500	0.0	-3.800	0.0	0.371
18	-165.330	217.500	468.100	99.500	0.0	-3.800	0.0	0.371
19	-114.500	32.800	482.600	0.0	0.0	-5.900	0.0	0.673
20	-165.330	32.800	482.600	0.0	0.0	-5.900	0.0	0.673
21	-77.140	217.500	468.100	99.500	0.0	-3.800	0.0	0.388
22	-127.970	217.500	468.100	99.500	0.0	-3.800	0.0	0.388
23	-77.140	32.800	482.600	0.0	0.0	-5.900	0.0	0.690
24	-127.970	32.800	482.600	0.0	0.0	-5.900	0.0	0.690
25	-151.860	217.500	468.100	99.500	0.0	-3.800	0.0	0.354
26	-202.690	217.500	468.100	99.500	0.0	-3.800	0.0	0.354
27	-151.860	32.800	482.600	0.0	0.0	-5.900	0.0	0.656
28	-202.690	32.800	482.600	0.0	0.0	-5.900	0.0	0.656
29	-1.000	231.950	704.700	99.500	0.0	-6.400	0.0	0.630
30	-51.830	231.950	704.700	99.500	0.0	-6.400	0.0	0.630
31	-1.000	47.250	719.200	0.0	0.0	-8.500	0.0	0.932
32	-51.830	47.250	719.200	0.0	0.0	-8.500	0.0	0.932
33	-11.050	224.725	586.400	99.500	0.0	-5.100	0.0	0.521
34	-61.880	224.725	586.400	99.500	0.0	-5.100	0.0	0.521
35	-11.050	40.025	600.900	0.0	0.0	-7.200	0.0	0.823
36	-61.880	40.025	600.900	0.0	0.0	-7.200	0.0	0.823
37	-104.450	224.725	586.400	99.500	0.0	-5.100	0.0	0.479
38	-155.280	224.725	586.400	99.500	0.0	-5.100	0.0	0.479
39	-104.450	40.025	600.900	0.0	0.0	-7.200	0.0	0.781
40	-155.280	40.025	600.900	0.0	0.0	-7.200	0.0	0.781
41	-21.100	217.500	468.100	99.500	0.0	-3.800	0.0	0.413
42	-71.930	217.500	468.100	99.500	0.0	-3.800	0.0	0.413
43	-21.100	32.800	482.600	0.0	0.0	-5.900	0.0	0.715
44	-71.930	32.800	482.600	0.0	0.0	-5.900	0.0	0.715
45	-207.900	217.500	468.100	99.500	0.0	-3.800	0.0	0.329
46	-258.729	217.500	468.100	99.500	0.0	-3.800	0.0	0.329
47	-207.900	32.800	482.600	0.0	0.0	-5.900	0.0	0.631
48	-258.729	32.800	482.600	0.0	0.0	-5.900	0.0	0.631

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 9 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 60									
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)	
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)					
1	-40.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	192.300	0.0	99.500	0.0	-0.400	0.0	-0.144	
4	0.0	-1.400	0.0	0.0	0.0	0.0	0.0	0.143	
5	227.000	10.400	454.200	0.0	0.0	0.0	0.0	0.498	
6	8.000	-0.200	6.700	0.0	0.0	0.0	0.0	0.004	
7	8.000	-0.200	6.700	0.0	0.0	0.0	0.0	0.004	
8	31.600	0.0	0.0	0.0	0.0	0.0	0.0	0.034	
COMBINED STRESSES - ELEMENT NO. 60									
LOAD. COMB. NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT	
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)					
1	-339.300	192.300	0.0	99.500	0.0	-0.400	0.0	-0.144	
2	-390.129	192.300	0.0	99.500	0.0	-0.400	0.0	-0.144	
3	-339.300	-1.400	0.0	0.0	0.0	0.0	0.0	0.143	
4	-390.129	-1.400	0.0	0.0	0.0	0.0	0.0	0.143	
5	-276.100	192.300	0.0	99.500	0.0	-0.400	0.0	-0.076	
6	-326.929	192.300	0.0	99.500	0.0	-0.400	0.0	-0.076	
7	-276.100	-1.400	0.0	0.0	0.0	0.0	0.0	0.211	
8	-326.929	-1.400	0.0	0.0	0.0	0.0	0.0	0.211	
9	-402.500	192.300	0.0	99.500	0.0	-0.400	0.0	-0.212	
10	-453.329	192.300	0.0	99.500	0.0	-0.400	0.0	-0.212	
11	-402.500	-1.400	0.0	0.0	0.0	0.0	0.0	0.075	
12	-453.329	-1.400	0.0	0.0	0.0	0.0	0.0	0.075	
13	-78.250	204.720	522.330	99.500	0.0	-0.400	0.0	0.429	
14	-129.080	204.720	522.330	99.500	0.0	-0.400	0.0	0.429	
15	-78.250	11.020	522.330	0.0	0.0	0.0	0.0	0.716	
16	-129.080	11.020	522.330	0.0	0.0	0.0	0.0	0.716	
17	-104.300	202.900	460.900	99.500	0.0	-0.400	0.0	0.363	
18	-155.129	202.900	460.900	99.500	0.0	-0.400	0.0	0.363	
19	-104.300	9.200	460.900	0.0	0.0	0.0	0.0	0.651	
20	-155.129	9.200	460.900	0.0	0.0	0.0	0.0	0.651	
21	-79.020	202.900	460.900	99.500	0.0	-0.400	0.0	0.390	
22	-129.849	202.900	460.900	99.500	0.0	-0.400	0.0	0.390	
23	-79.020	9.200	460.900	0.0	0.0	0.0	0.0	0.677	
24	-129.849	9.200	460.900	0.0	0.0	0.0	0.0	0.677	
25	-129.580	202.900	460.900	99.500	0.0	-0.400	0.0	0.336	
26	-180.409	202.900	460.900	99.500	0.0	-0.400	0.0	0.336	
27	-129.580	9.200	460.900	0.0	0.0	0.0	0.0	0.623	
28	-180.409	9.200	460.900	0.0	0.0	0.0	0.0	0.623	
29	9.200	208.300	688.000	99.500	0.0	-0.400	0.0	0.612	
30	-41.629	208.300	688.000	99.500	0.0	-0.400	0.0	0.612	
31	9.200	14.600	688.000	0.0	0.0	0.0	0.0	0.899	
32	-41.629	14.600	688.000	0.0	0.0	0.0	0.0	0.899	
33	-15.950	205.600	574.450	99.500	0.0	-0.400	0.0	0.521	
34	-66.779	205.600	574.450	99.500	0.0	-0.400	0.0	0.521	
35	-15.950	11.900	574.450	0.0	0.0	0.0	0.0	0.808	
36	-66.779	11.900	574.450	0.0	0.0	0.0	0.0	0.808	
37	-79.150	205.600	574.450	99.500	0.0	-0.400	0.0	0.453	
38	-129.979	205.600	574.450	99.500	0.0	-0.400	0.0	0.453	
39	-79.150	11.900	574.450	0.0	0.0	0.0	0.0	0.740	
40	-129.979	11.900	574.450	0.0	0.0	0.0	0.0	0.740	
41	-41.100	202.900	460.900	99.500	0.0	-0.400	0.0	0.431	
42	-91.929	202.900	460.900	99.500	0.0	-0.400	0.0	0.431	
43	-41.100	9.200	460.900	0.0	0.0	0.0	0.0	0.718	
44	-91.929	9.200	460.900	0.0	0.0	0.0	0.0	0.718	
45	-167.500	202.900	460.900	99.500	0.0	-0.400	0.0	0.295	
46	-218.329	202.900	460.900	99.500	0.0	-0.400	0.0	0.295	
47	-167.500	9.200	460.900	0.0	0.0	0.0	0.0	0.582	
48	-218.329	9.200	460.900	0.0	0.0	0.0	0.0	0.582	

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 10 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

PUMP LOAD NO.	ELEMENT NO. 75							
	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-32.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	185.600	0.0	99.500	0.0	0.0	0.0	-0.142
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	-7.100	454.000	0.0	0.0	0.0	0.0	0.492
6	8.000	0.0	6.700	0.0	0.0	0.0	0.0	0.009
7	8.000	0.0	6.700	0.0	0.0	0.0	0.0	0.009
8	23.300	0.0	0.0	0.0	0.0	0.0	0.0	0.044

COMBINED STRESSES - ELEMENT NO. 75

LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-331.700	185.600	0.0	99.500	0.0	0.0	0.0	-0.142
2	-382.530	185.600	0.0	99.500	0.0	0.0	0.0	-0.142
3	-331.700	0.0	0.0	0.0	0.0	0.0	0.0	0.143
4	-382.530	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	-285.100	185.600	0.0	99.500	0.0	0.0	0.0	-0.054
6	-335.929	185.600	0.0	99.500	0.0	0.0	0.0	-0.054
7	-285.100	0.0	0.0	0.0	0.0	0.0	0.0	0.231
8	-335.929	0.0	0.0	0.0	0.0	0.0	0.0	0.231
9	-378.300	185.600	0.0	99.500	0.0	0.0	0.0	-0.230
10	-429.129	185.600	0.0	99.500	0.0	0.0	0.0	-0.230
11	-378.300	0.0	0.0	0.0	0.0	0.0	0.0	0.055
12	-429.129	0.0	0.0	0.0	0.0	0.0	0.0	0.055
13	-70.650	177.435	522.100	99.500	0.0	0.0	0.0	0.424
14	-121.480	177.435	522.100	99.500	0.0	0.0	0.0	0.424
15	-70.650	-8.165	522.100	0.0	0.0	0.0	0.0	0.709
16	-121.480	-8.165	522.100	0.0	0.0	0.0	0.0	0.709
17	-96.700	178.500	460.700	99.500	0.0	0.0	0.0	0.354
18	-147.530	178.500	460.700	99.500	0.0	0.0	0.0	0.354
19	-96.700	-7.100	460.700	0.0	0.0	0.0	0.0	0.644
20	-147.530	-7.100	460.700	0.0	0.0	0.0	0.0	0.644
21	-78.060	178.500	460.700	99.500	0.0	0.0	0.0	0.394
22	-128.890	178.500	460.700	99.500	0.0	0.0	0.0	0.394
23	-78.060	-7.100	460.700	0.0	0.0	0.0	0.0	0.679
24	-128.890	-7.100	460.700	0.0	0.0	0.0	0.0	0.679
25	-115.340	178.500	460.700	99.500	0.0	0.0	0.0	0.324
26	-166.170	178.500	460.700	99.500	0.0	0.0	0.0	0.324
27	-115.340	-7.100	460.700	0.0	0.0	0.0	0.0	0.609
28	-166.170	-7.100	460.700	0.0	0.0	0.0	0.0	0.609
29	-16.800	174.950	687.700	99.500	0.0	0.0	0.0	0.605
30	-34.030	174.950	687.700	99.500	0.0	0.0	0.0	0.605
31	-16.800	-10.650	687.700	0.0	0.0	0.0	0.0	0.840
32	-34.030	-10.650	687.700	0.0	0.0	0.0	0.0	0.840
33	-16.650	174.725	574.200	99.500	0.0	0.0	0.0	0.526
34	-67.480	174.725	574.200	99.500	0.0	0.0	0.0	0.526
35	-16.650	-8.875	574.200	0.0	0.0	0.0	0.0	0.811
36	-67.480	-8.875	574.200	0.0	0.0	0.0	0.0	0.811
37	-63.250	174.725	574.200	99.500	0.0	0.0	0.0	0.438
38	-114.080	174.725	574.200	99.500	0.0	0.0	0.0	0.438
39	-63.250	-8.875	574.200	0.0	0.0	0.0	0.0	0.723
40	-114.080	-8.875	574.200	0.0	0.0	0.0	0.0	0.723
41	-50.100	178.500	460.700	99.500	0.0	0.0	0.0	0.447
42	-100.930	178.500	460.700	99.500	0.0	0.0	0.0	0.447
43	-50.100	-7.100	460.700	0.0	0.0	0.0	0.0	0.732
44	-100.930	-7.100	460.700	0.0	0.0	0.0	0.0	0.732
45	-143.300	178.500	460.700	99.500	0.0	0.0	0.0	0.271
46	-194.130	178.500	460.700	99.500	0.0	0.0	0.0	0.271
47	-143.300	-7.100	460.700	0.0	0.0	0.0	0.0	0.556
48	-194.130	-7.100	460.700	0.0	0.0	0.0	0.0	0.556

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 11 of Table 3C-1 Elements 85, 90, 95, 99, 102

Table 3C-1
CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 85								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-27.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	186.000	0.0	99.500	0.0	0.0	0.0	-0.143
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	-3.900	438.000	0.0	0.0	0.0	0.0	0.480
6	8.000	-80.000	25.800	0.0	0.0	0.0	0.0	0.030
7	8.000	-90.000	35.000	0.0	0.0	0.0	0.0	0.040
8	18.400	0.0	0.0	0.0	0.0	0.0	0.0	0.050
COMBINED STRESSES - ELEMENT NO. 85								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-326.600	186.000	0.0	99.500	0.0	0.0	0.0	-0.143
2	-377.429	186.000	0.0	99.500	0.0	0.0	0.0	-0.143
3	-326.600	0.0	0.0	0.0	0.0	0.0	0.0	0.143
4	-377.429	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	-289.800	186.000	0.0	99.500	0.0	0.0	0.0	-0.043
6	-340.629	186.000	0.0	99.500	0.0	0.0	0.0	-0.043
7	-289.800	0.0	0.0	0.0	0.0	0.0	0.0	0.243
8	-340.629	0.0	0.0	0.0	0.0	0.0	0.0	0.243
9	-363.400	186.000	0.0	99.500	0.0	0.0	0.0	-0.243
10	-414.229	186.000	0.0	99.500	0.0	0.0	0.0	-0.243
11	-363.400	0.0	0.0	0.0	0.0	0.0	0.0	0.043
12	-414.229	0.0	0.0	0.0	0.0	0.0	0.0	0.043
13	-65.550	181.515	503.700	99.500	0.0	0.0	0.0	0.409
14	-116.380	181.515	503.700	99.500	0.0	0.0	0.0	0.409
15	-65.550	-4.485	503.700	0.0	0.0	0.0	0.0	0.693
16	-116.380	-4.485	503.700	0.0	0.0	0.0	0.0	0.693
17	-91.600	102.100	463.800	99.500	0.0	0.0	0.0	0.367
18	-142.429	102.100	463.800	99.500	0.0	0.0	0.0	0.367
19	-91.600	-83.900	463.800	0.0	0.0	0.0	0.0	0.653
20	-142.429	-83.900	463.800	0.0	0.0	0.0	0.0	0.653
21	-76.880	102.100	463.800	99.500	0.0	0.0	0.0	0.407
22	-127.709	102.100	463.800	99.500	0.0	0.0	0.0	0.407
23	-76.880	-83.900	463.800	0.0	0.0	0.0	0.0	0.693
24	-127.709	-83.900	463.800	0.0	0.0	0.0	0.0	0.693
25	-106.320	102.100	463.800	99.500	0.0	0.0	0.0	0.327
26	-157.149	102.100	463.800	99.500	0.0	0.0	0.0	0.327
27	-106.320	-83.900	463.800	0.0	0.0	0.0	0.0	0.613
28	-157.149	-83.900	463.800	0.0	0.0	0.0	0.0	0.613
29	21.900	90.150	692.000	99.500	0.0	0.0	0.0	0.417
30	-28.929	90.150	692.000	99.500	0.0	0.0	0.0	0.417
31	21.900	-95.850	692.000	0.0	0.0	0.0	0.0	0.403
32	-28.929	-95.850	692.000	0.0	0.0	0.0	0.0	0.403
33	-16.450	91.125	582.500	99.500	0.0	0.0	0.0	0.547
34	-67.279	91.125	582.500	99.500	0.0	0.0	0.0	0.547
35	-16.450	-94.875	582.500	0.0	0.0	0.0	0.0	0.833
36	-67.279	-94.875	582.500	0.0	0.0	0.0	0.0	0.833
37	-53.250	91.125	582.500	99.500	0.0	0.0	0.0	0.447
38	-104.079	91.125	582.500	99.500	0.0	0.0	0.0	0.447
39	-53.250	-94.875	582.500	0.0	0.0	0.0	0.0	0.733
40	-104.079	-94.875	582.500	0.0	0.0	0.0	0.0	0.733
41	-54.800	102.100	463.800	99.500	0.0	0.0	0.0	0.467
42	-105.629	102.100	463.800	99.500	0.0	0.0	0.0	0.467
43	-54.800	-83.900	463.800	0.0	0.0	0.0	0.0	0.753
44	-105.629	-83.900	463.800	0.0	0.0	0.0	0.0	0.753
45	-128.400	102.100	463.800	99.500	0.0	0.0	0.0	0.267
46	-179.229	102.100	463.800	99.500	0.0	0.0	0.0	0.267
47	-128.400	-83.900	463.800	0.0	0.0	0.0	0.0	0.553
48	-179.229	-83.900	463.800	0.0	0.0	0.0	0.0	0.553

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 12 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

FUND. LOAD NO.	ELEMENT NO. 90							
	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	149.100	20.000	99.500	0.0	0.800	0.0	-0.121
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	34.700	428.000	0.0	0.0	-0.400	0.0	0.470
6	8.000	-85.700	54.100	0.0	0.0	0.900	0.0	0.041
7	8.000	-47.600	61.400	0.0	0.0	1.000	0.0	0.049
8	16.100	0.0	0.0	0.0	0.0	0.0	0.0	0.093
COMBINED STRESSES - ELEMENT NO. 90								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-324.000	149.100	20.000	99.500	0.0	0.800	0.0	-0.121
2	-374.830	149.100	20.000	99.500	0.0	0.800	0.0	-0.121
3	-324.000	0.0	0.0	0.0	0.0	0.0	0.0	0.143
4	-374.830	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	-291.800	149.100	20.000	99.500	0.0	0.800	0.0	-0.015
6	-342.629	149.100	20.000	99.500	0.0	0.800	0.0	-0.015
7	-291.800	0.0	0.0	0.0	0.0	0.0	0.0	0.249
8	-342.629	0.0	0.0	0.0	0.0	0.0	0.0	0.249
9	-356.200	149.100	20.000	99.500	0.0	0.800	0.0	-0.227
10	-407.030	149.100	20.000	99.500	0.0	0.800	0.0	-0.227
11	-356.200	0.0	0.0	0.0	0.0	0.0	0.0	0.037
12	-407.030	0.0	0.0	0.0	0.0	0.0	0.0	0.037
13	-62.950	189.005	512.200	99.500	0.0	0.340	0.0	0.419
14	-113.780	189.005	512.200	99.500	0.0	0.340	0.0	0.419
15	-62.950	39.905	492.200	0.0	0.0	-0.460	0.0	0.683
16	-113.780	39.905	492.200	0.0	0.0	-0.460	0.0	0.683
17	-69.000	98.100	502.100	99.500	0.0	1.300	0.0	0.410
18	-139.830	98.100	502.100	99.500	0.0	1.300	0.0	0.410
19	-69.000	-51.000	482.100	0.0	0.0	0.500	0.0	0.674
20	-139.830	-51.000	482.100	0.0	0.0	0.500	0.0	0.674
21	-76.120	98.100	502.100	99.500	0.0	1.300	0.0	0.452
22	-126.950	98.100	502.100	99.500	0.0	1.300	0.0	0.452
23	-76.120	-51.000	482.100	0.0	0.0	0.500	0.0	0.716
24	-126.950	-51.000	482.100	0.0	0.0	0.500	0.0	0.716
25	-101.880	98.100	502.100	99.500	0.0	1.300	0.0	0.368
26	-152.710	98.100	502.100	99.500	0.0	1.300	0.0	0.368
27	-101.880	-51.000	482.100	0.0	0.0	0.500	0.0	0.632
28	-152.710	-51.000	482.100	0.0	0.0	0.500	0.0	0.632
29	24.500	103.550	723.400	99.500	0.0	1.200	0.0	0.653
30	-26.330	103.550	723.400	99.500	0.0	1.200	0.0	0.653
31	24.500	-45.550	703.400	0.0	0.0	0.400	0.0	0.917
32	-26.330	-45.550	703.400	0.0	0.0	0.400	0.0	0.917
33	-16.150	94.875	616.400	99.500	0.0	1.300	0.0	0.588
34	-66.980	94.875	616.400	99.500	0.0	1.300	0.0	0.588
35	-16.150	-54.225	596.400	0.0	0.0	0.500	0.0	0.852
36	-66.980	-54.225	596.400	0.0	0.0	0.500	0.0	0.852
37	-48.350	94.875	616.400	99.500	0.0	1.300	0.0	0.482
38	-99.180	94.875	616.400	99.500	0.0	1.300	0.0	0.482
39	-48.350	-54.225	596.400	0.0	0.0	0.500	0.0	0.746
40	-99.180	-54.225	596.400	0.0	0.0	0.500	0.0	0.746
41	-56.800	98.100	502.100	99.500	0.0	1.300	0.0	0.516
42	-107.630	98.100	502.100	99.500	0.0	1.300	0.0	0.516
43	-56.800	-51.000	482.100	0.0	0.0	0.500	0.0	0.780
44	-107.630	-51.000	482.100	0.0	0.0	0.500	0.0	0.780
45	-121.200	98.100	502.100	99.500	0.0	1.300	0.0	0.304
46	-172.030	98.100	502.100	99.500	0.0	1.300	0.0	0.304
47	-121.200	-51.000	482.100	0.0	0.0	0.500	0.0	0.568
48	-172.030	-51.000	482.100	0.0	0.0	0.500	0.0	0.568

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 13 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 95								
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-22.500	20.000	0.0	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	157.300	34.600	99.500	0.0	3.100	0.0	-0.105
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	7.700	354.000	0.0	0.0	-12.800	0.0	0.388
6	8.000	-66.800	102.400	0.0	0.0	8.800	0.0	0.114
7	8.000	-76.100	97.900	0.0	0.0	7.700	0.0	0.109
8	14.000	0.0	0.0	0.0	0.0	0.0	0.0	0.055
COMBINED STRESSES - ELEMENT NO. 95								
LOAD. COMB. NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-321.500	177.300	34.600	99.500	0.0	3.100	0.0	-0.105
2	-372.330	177.300	34.600	99.500	0.0	3.100	0.0	-0.105
3	-321.500	20.000	0.0	0.0	0.0	0.0	0.0	0.143
4	-372.330	20.000	0.0	0.0	0.0	0.0	0.0	0.143
5	-293.500	177.300	34.600	99.500	0.0	3.100	0.0	0.005
6	-344.330	177.300	34.600	99.500	0.0	3.100	0.0	0.005
7	-293.500	20.000	0.0	0.0	0.0	0.0	0.0	0.253
8	-344.330	20.000	0.0	0.0	0.0	0.0	0.0	0.253
9	-349.500	177.300	34.600	99.500	0.0	3.100	0.0	-0.215
10	-400.330	177.300	34.600	99.500	0.0	3.100	0.0	-0.215
11	-349.500	20.000	0.0	0.0	0.0	0.0	0.0	0.033
12	-400.330	20.000	0.0	0.0	0.0	0.0	0.0	0.033
13	-40.450	186.155	441.700	99.500	0.0	-11.620	0.0	0.341
14	-111.280	186.155	441.700	99.500	0.0	-11.620	0.0	0.341
15	-40.450	28.855	407.100	0.0	0.0	-14.720	0.0	0.584
16	-111.280	28.855	407.100	0.0	0.0	-14.720	0.0	0.584
17	-86.500	118.200	491.000	99.500	0.0	-2.900	0.0	0.397
18	-137.330	118.200	491.000	99.500	0.0	-2.900	0.0	0.397
19	-86.500	-39.100	456.400	0.0	0.0	-6.000	0.0	0.645
20	-137.330	-39.100	456.400	0.0	0.0	-6.000	0.0	0.645
21	-75.300	118.200	491.000	99.500	0.0	-2.900	0.0	0.441
22	-126.130	118.200	491.000	99.500	0.0	-2.900	0.0	0.441
23	-75.300	-39.100	456.400	0.0	0.0	-6.000	0.0	0.649
24	-126.130	-39.100	456.400	0.0	0.0	-6.000	0.0	0.649
25	-47.700	118.200	491.000	99.500	0.0	-2.900	0.0	0.353
26	-148.530	118.200	491.000	99.500	0.0	-2.900	0.0	0.353
27	-47.700	-39.100	456.400	0.0	0.0	-6.000	0.0	0.601
28	-148.530	-39.100	456.400	0.0	0.0	-6.000	0.0	0.601
29	27.000	112.750	663.500	99.500	0.0	-8.400	0.0	0.586
30	-23.830	112.750	663.500	99.500	0.0	-8.400	0.0	0.586
31	27.000	-46.550	624.900	0.0	0.0	-11.500	0.0	0.834
32	-23.830	-46.550	624.900	0.0	0.0	-11.500	0.0	0.834
33	-15.750	110.825	575.000	99.500	0.0	-5.200	0.0	0.544
34	-66.580	110.825	575.000	99.500	0.0	-5.200	0.0	0.544
35	-15.750	-46.475	540.400	0.0	0.0	-8.300	0.0	0.792
36	-66.580	-46.475	540.400	0.0	0.0	-8.300	0.0	0.792
37	-43.750	110.825	575.000	99.500	0.0	-5.200	0.0	0.434
38	-94.580	110.825	575.000	99.500	0.0	-5.200	0.0	0.434
39	-43.750	-46.475	540.400	0.0	0.0	-8.300	0.0	0.682
40	-94.580	-46.475	540.400	0.0	0.0	-8.300	0.0	0.682
41	-58.500	118.200	491.000	99.500	0.0	-2.900	0.0	0.507
42	-109.330	118.200	491.000	99.500	0.0	-2.900	0.0	0.507
43	-58.500	-39.100	456.400	0.0	0.0	-6.000	0.0	0.755
44	-109.330	-39.100	456.400	0.0	0.0	-6.000	0.0	0.755
45	-114.500	118.200	491.000	99.500	0.0	-2.900	0.0	0.287
46	-165.330	118.200	491.000	99.500	0.0	-2.900	0.0	0.287
47	-114.500	-39.100	456.400	0.0	0.0	-6.000	0.0	0.535
48	-165.330	-39.100	456.400	0.0	0.0	-6.000	0.0	0.535

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 14 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 99								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-20.400	27.800	20.400	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	173.800	44.300	44.500	0.0	3.900	0.0	-0.090
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	-60.500	322.000	0.0	0.0	-21.600	0.0	0.353
6	8.000	-28.400	120.700	0.0	0.0	13.700	0.0	0.134
7	8.000	-32.300	134.500	0.0	0.0	13.600	0.0	0.144
8	12.300	0.0	0.0	0.0	0.0	0.0	0.0	0.054
COMBINED STRESSES - ELEMENT NO. 99								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-319.400	201.600	68.700	44.500	0.0	3.900	0.0	-0.090
2	-370.229	201.600	68.700	44.500	0.0	3.900	0.0	-0.090
3	-319.400	27.800	20.400	0.0	0.0	0.0	0.0	0.143
4	-370.229	27.800	20.400	0.0	0.0	0.0	0.0	0.143
5	-294.800	201.600	68.700	44.500	0.0	3.900	0.0	0.026
6	-345.629	201.600	68.700	44.500	0.0	3.900	0.0	0.026
7	-294.800	27.800	20.400	0.0	0.0	0.0	0.0	0.259
8	-345.629	27.800	20.400	0.0	0.0	0.0	0.0	0.254
9	-344.000	201.600	68.700	44.500	0.0	3.900	0.0	-0.706
10	-394.829	201.600	68.700	44.500	0.0	3.900	0.0	-0.706
11	-344.000	27.800	20.400	0.0	0.0	0.0	0.0	0.027
12	-394.829	27.800	20.400	0.0	0.0	0.0	0.0	0.027
13	-58.350	132.025	439.000	44.500	0.0	-18.440	0.0	0.316
14	-109.180	132.025	439.000	44.500	0.0	-18.440	0.0	0.316
15	-58.350	-61.775	390.700	0.0	0.0	-24.840	0.0	0.549
16	-109.180	-61.775	390.700	0.0	0.0	-24.840	0.0	0.549
17	-84.400	112.700	511.400	44.500	0.0	-2.000	0.0	0.397
18	-135.229	112.700	511.400	44.500	0.0	-2.000	0.0	0.397
19	-84.400	-61.100	463.100	0.0	0.0	-7.900	0.0	0.630
20	-135.229	-61.100	463.100	0.0	0.0	-7.900	0.0	0.630
21	-74.560	112.700	511.400	44.500	0.0	-2.000	0.0	0.444
22	-125.389	112.700	511.400	44.500	0.0	-2.000	0.0	0.444
23	-74.560	-61.100	463.100	0.0	0.0	-7.900	0.0	0.676
24	-125.389	-61.100	463.100	0.0	0.0	-7.900	0.0	0.676
25	-94.240	112.700	511.400	44.500	0.0	-2.000	0.0	0.351
26	-145.069	112.700	511.400	44.500	0.0	-2.000	0.0	0.351
27	-94.240	-61.100	463.100	0.0	0.0	-7.900	0.0	0.584
28	-145.069	-61.100	463.100	0.0	0.0	-7.900	0.0	0.584
29	29.100	78.350	684.200	44.500	0.0	-10.900	0.0	0.588
30	-21.729	78.350	684.200	44.500	0.0	-10.900	0.0	0.588
31	29.100	-95.250	637.900	0.0	0.0	-16.800	0.0	0.821
32	-21.729	-95.250	637.900	0.0	0.0	-16.800	0.0	0.821
33	-15.350	93.675	605.700	44.500	0.0	-3.500	0.0	0.558
34	-66.179	93.675	605.700	44.500	0.0	-3.500	0.0	0.558
35	-15.350	-80.125	557.400	0.0	0.0	-11.400	0.0	0.791
36	-66.179	-80.125	557.400	0.0	0.0	-11.400	0.0	0.791
37	-39.950	93.675	605.700	44.500	0.0	-3.500	0.0	0.442
38	-90.779	93.675	605.700	44.500	0.0	-3.500	0.0	0.442
39	-39.950	-80.125	557.400	0.0	0.0	-11.400	0.0	0.675
40	-90.779	-80.125	557.400	0.0	0.0	-11.400	0.0	0.675
41	-59.800	112.700	511.400	44.500	0.0	-2.000	0.0	0.513
42	-110.630	112.700	511.400	44.500	0.0	-2.000	0.0	0.513
43	-59.800	-61.100	463.100	0.0	0.0	-7.900	0.0	0.746
44	-110.630	-61.100	463.100	0.0	0.0	-7.900	0.0	0.746
45	-109.000	112.700	511.400	44.500	0.0	-2.000	0.0	0.281
46	-159.829	112.700	511.400	44.500	0.0	-2.000	0.0	0.281
47	-109.000	-61.100	463.100	0.0	0.0	-7.900	0.0	0.514
48	-159.829	-61.100	463.100	0.0	0.0	-7.900	0.0	0.514

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 15 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 102								
FUND. LOAD NO.	MERIDIONAL		HOOP			MERIDIONAL SHEAR (K/FT)		RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-19.400	31.000	18.300	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.100	-24.800	28.200	0.0	-1.000	0.0	-0.093
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	-126.700	210.000	0.0	0.0	-18.200	0.0	0.346
6	8.000	-0.300	54.000	0.0	0.0	-5.800	0.0	0.179
7	8.000	-0.300	59.800	0.0	0.0	-6.400	0.0	0.200
8	11.200	0.0	0.0	0.0	0.0	0.0	0.0	0.059
COMBINED STRESSES - ELEMENT NO. 102								
LOAD COMB. NO.	MERIDIONAL		HOOP			MERIDIONAL SHEAR (K/FT)		RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-318.400	59.100	-6.500	28.200	0.0	-1.000	0.0	-0.093
2	-369.229	59.100	-6.500	28.200	0.0	-1.000	0.0	-0.093
3	-318.400	31.000	18.300	0.0	0.0	0.0	0.0	0.143
4	-369.229	31.000	18.300	0.0	0.0	0.0	0.0	0.143
5	-299.000	59.100	-6.500	28.200	0.0	-1.000	0.0	0.025
6	-344.829	59.100	-6.500	28.200	0.0	-1.000	0.0	0.025
7	-299.000	31.000	18.300	0.0	0.0	0.0	0.0	0.261
8	-344.829	31.000	18.300	0.0	0.0	0.0	0.0	0.261
9	-340.800	59.100	-6.500	28.200	0.0	-1.000	0.0	-0.211
10	-391.629	59.100	-6.500	28.200	0.0	-1.000	0.0	-0.211
11	-340.800	31.000	18.300	0.0	0.0	0.0	0.0	0.025
12	-391.629	31.000	18.300	0.0	0.0	0.0	0.0	0.025
13	-57.350	-86.605	235.000	28.200	0.0	-21.930	0.0	0.305
14	-108.180	-86.605	235.000	28.200	0.0	-21.930	0.0	0.305
15	-57.350	-114.705	259.800	0.0	0.0	-20.430	0.0	0.541
16	-108.180	-114.705	259.800	0.0	0.0	-20.430	0.0	0.541
17	-83.400	-67.900	257.500	28.200	0.0	-24.800	0.0	0.432
18	-134.229	-67.900	257.500	28.200	0.0	-24.800	0.0	0.432
19	-83.400	-96.000	282.300	0.0	0.0	-23.800	0.0	0.668
20	-134.229	-96.000	282.300	0.0	0.0	-23.800	0.0	0.668
21	-74.440	-67.900	257.500	28.200	0.0	-24.800	0.0	0.479
22	-125.269	-67.900	257.500	28.200	0.0	-24.800	0.0	0.479
23	-74.440	-96.000	282.300	0.0	0.0	-23.800	0.0	0.715
24	-125.269	-96.000	282.300	0.0	0.0	-23.800	0.0	0.715
25	-92.360	-67.900	257.500	28.200	0.0	-24.800	0.0	0.385
26	-143.189	-67.900	257.500	28.200	0.0	-24.800	0.0	0.385
27	-92.360	-96.000	282.300	0.0	0.0	-23.800	0.0	0.621
28	-143.189	-96.000	282.300	0.0	0.0	-23.800	0.0	0.621
29	30.100	-131.250	368.300	28.200	0.0	-34.700	0.0	0.626
30	-20.729	-131.250	368.300	28.200	0.0	-34.700	0.0	0.626
31	30.100	-159.350	393.100	0.0	0.0	-33.700	0.0	0.462
32	-20.729	-159.350	393.100	0.0	0.0	-33.700	0.0	0.462
33	-15.450	-99.575	315.800	28.200	0.0	-30.150	0.0	0.598
34	-66.279	-99.575	315.800	28.200	0.0	-30.150	0.0	0.598
35	-15.450	-127.675	340.600	0.0	0.0	-29.150	0.0	0.834
36	-66.279	-127.675	340.600	0.0	0.0	-29.150	0.0	0.834
37	-37.850	-99.575	315.800	28.200	0.0	-30.150	0.0	0.480
38	-88.679	-99.575	315.800	28.200	0.0	-30.150	0.0	0.480
39	-37.850	-127.675	340.600	0.0	0.0	-29.150	0.0	0.716
40	-88.679	-127.675	340.600	0.0	0.0	-29.150	0.0	0.716
41	-61.000	-67.900	257.500	28.200	0.0	-24.800	0.0	0.550
42	-111.829	-67.900	257.500	28.200	0.0	-24.800	0.0	0.550
43	-61.000	-96.000	282.300	0.0	0.0	-23.800	0.0	0.786
44	-111.829	-96.000	282.300	0.0	0.0	-23.800	0.0	0.786
45	-105.800	-67.900	257.500	28.200	0.0	-24.800	0.0	0.314
46	-156.629	-67.900	257.500	28.200	0.0	-24.800	0.0	0.314
47	-105.800	-96.000	282.300	0.0	0.0	-23.800	0.0	0.550
48	-156.629	-96.000	282.300	0.0	0.0	-23.800	0.0	0.550

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 16 of Table 3C-1 Elements 105, 108, 111 (3 pages)

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 105								
FUNO. LOAD NO.	MERIDIONAL		HOUP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-18.500	32.300	16.200	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	31.900	-12.100	28.200	0.0	1.000	0.0	-0.072
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	0.0	-199.100	182.000	0.0	0.0	-29.000	0.0	0.301
6	8.000	8.700	84.400	0.0	0.0	-1.000	0.0	0.229
7	8.000	10.000	95.600	0.0	0.0	-1.100	0.0	0.259
8	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.042
COMBINED STRESSES - ELEMENT NO. 105								
LOAD COMB. NO.	MERIDIONAL		HOUP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-317.500	64.200	4.100	28.200	0.0	1.000	0.0	-0.072
2	-368.330	64.200	4.100	28.200	0.0	1.000	0.0	-0.072
3	-317.500	32.300	16.200	0.0	0.0	0.0	0.0	0.143
4	-368.330	32.300	16.200	0.0	0.0	0.0	0.0	0.143
5	-297.500	64.200	4.100	28.200	0.0	1.000	0.0	0.052
6	-348.330	64.200	4.100	28.200	0.0	1.000	0.0	0.052
7	-297.500	32.300	16.200	0.0	0.0	0.0	0.0	0.287
8	-348.330	32.300	16.200	0.0	0.0	0.0	0.0	0.287
9	-337.500	64.200	4.100	28.200	0.0	1.000	0.0	-0.196
10	-388.330	64.200	4.100	28.200	0.0	1.000	0.0	-0.196
11	-337.500	32.300	16.200	0.0	0.0	0.0	0.0	0.019
12	-388.330	32.300	16.200	0.0	0.0	0.0	0.0	0.019
13	-317.500	-164.765	213.600	28.200	0.0	-27.750	0.0	0.274
14	-368.330	-164.765	213.600	28.200	0.0	-27.750	0.0	0.274
15	-317.500	-196.665	225.500	0.0	0.0	-28.750	0.0	0.444
16	-368.330	-196.665	225.500	0.0	0.0	-28.750	0.0	0.444
17	-309.500	-126.200	270.500	28.200	0.0	-29.000	0.0	0.458
18	-360.330	-126.200	270.500	28.200	0.0	-29.000	0.0	0.458
19	-309.500	-158.100	282.600	0.0	0.0	-26.000	0.0	0.673
20	-360.330	-158.100	282.600	0.0	0.0	-26.000	0.0	0.673
21	-301.500	-126.200	270.500	28.200	0.0	-29.000	0.0	0.508
22	-352.330	-126.200	270.500	28.200	0.0	-29.000	0.0	0.508
23	-301.500	-158.100	282.600	0.0	0.0	-26.000	0.0	0.723
24	-352.330	-158.100	282.600	0.0	0.0	-26.000	0.0	0.723
25	-317.500	-126.200	270.500	28.200	0.0	-29.000	0.0	0.408
26	-368.329	-126.200	270.500	28.200	0.0	-29.000	0.0	0.408
27	-317.500	-158.100	282.600	0.0	0.0	-26.000	0.0	0.623
28	-368.329	-158.100	282.600	0.0	0.0	-26.000	0.0	0.623
29	-309.500	-224.450	372.700	28.200	0.0	-37.600	0.0	0.638
30	-360.330	-224.450	372.700	28.200	0.0	-37.600	0.0	0.638
31	-309.500	-256.350	384.800	0.0	0.0	-38.600	0.0	0.853
32	-360.330	-256.350	384.800	0.0	0.0	-38.600	0.0	0.853
33	-299.500	-174.675	327.200	28.200	0.0	-31.350	0.0	0.625
34	-350.330	-174.675	327.200	28.200	0.0	-31.350	0.0	0.625
35	-299.500	-206.575	339.300	0.0	0.0	-32.350	0.0	0.840
36	-350.330	-206.575	339.300	0.0	0.0	-32.350	0.0	0.840
37	-319.500	-174.675	327.200	28.200	0.0	-31.350	0.0	0.501
38	-370.330	-174.675	327.200	28.200	0.0	-31.350	0.0	0.501
39	-319.500	-206.575	339.300	0.0	0.0	-32.350	0.0	0.716
40	-370.330	-206.575	339.300	0.0	0.0	-32.350	0.0	0.716
41	-289.500	-126.200	270.500	28.200	0.0	-29.000	0.0	0.582
42	-340.330	-126.200	270.500	28.200	0.0	-29.000	0.0	0.582
43	-289.500	-158.100	282.600	0.0	0.0	-26.000	0.0	0.797
44	-340.330	-158.100	282.600	0.0	0.0	-26.000	0.0	0.797
45	-329.500	-126.200	270.500	28.200	0.0	-29.000	0.0	0.334
46	-380.330	-126.200	270.500	28.200	0.0	-29.000	0.0	0.334
47	-329.500	-158.100	282.600	0.0	0.0	-26.000	0.0	0.549
48	-380.330	-158.100	282.600	0.0	0.0	-26.000	0.0	0.549

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 17 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 108								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-17.500	31.000	14.100	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	31.800	-3.700	28.200	0.0	1.200	0.0	-0.058
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	0.0	19.800	229.000	0.0	0.0	3.100	0.0	0.368
6	8.000	8.200	103.700	0.0	0.0	0.900	0.0	0.261
7	8.000	9.800	119.900	0.0	0.0	1.000	0.0	0.299
8	9.100	0.0	0.0	0.0	0.0	0.0	0.0	0.062
COMBINED STRESSES - ELEMENT NO. 108								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-316.500	62.800	10.400	28.200	0.0	1.200	0.0	-0.058
2	-367.330	62.800	10.400	28.200	0.0	1.200	0.0	-0.058
3	-316.500	31.000	14.100	0.0	0.0	0.0	0.0	0.143
4	-367.330	31.000	14.100	0.0	0.0	0.0	0.0	0.143
5	-298.300	62.800	10.400	28.200	0.0	1.200	0.0	0.066
6	-349.129	62.800	10.400	28.200	0.0	1.200	0.0	0.066
7	-298.300	31.000	14.100	0.0	0.0	0.0	0.0	0.267
8	-349.129	31.000	14.100	0.0	0.0	0.0	0.0	0.267
9	-334.700	62.800	10.400	28.200	0.0	1.200	0.0	-0.182
10	-385.530	62.800	10.400	28.200	0.0	1.200	0.0	-0.182
11	-334.700	31.000	14.100	0.0	0.0	0.0	0.0	0.019
12	-385.530	31.000	14.100	0.0	0.0	0.0	0.0	0.019
13	-316.500	85.570	273.750	28.200	0.0	4.765	0.0	0.365
14	-367.330	85.570	273.750	28.200	0.0	4.765	0.0	0.365
15	-316.500	53.770	277.450	0.0	0.0	3.565	0.0	0.566
16	-367.330	53.770	277.450	0.0	0.0	3.565	0.0	0.566
17	-308.500	90.800	343.100	28.200	0.0	5.200	0.0	0.571
18	-359.330	90.800	343.100	28.200	0.0	5.200	0.0	0.571
19	-308.500	59.000	346.800	0.0	0.0	4.000	0.0	0.772
20	-359.330	59.000	346.800	0.0	0.0	4.000	0.0	0.772
21	-301.220	90.800	343.100	28.200	0.0	5.200	0.0	0.621
22	-352.050	90.800	343.100	28.200	0.0	5.200	0.0	0.621
23	-301.220	59.000	346.800	0.0	0.0	4.000	0.0	0.622
24	-352.050	59.000	346.800	0.0	0.0	4.000	0.0	0.622
25	-315.780	90.800	343.100	28.200	0.0	5.200	0.0	0.521
26	-366.609	90.800	343.100	28.200	0.0	5.200	0.0	0.521
27	-315.780	59.000	346.800	0.0	0.0	4.000	0.0	0.722
28	-366.609	59.000	346.800	0.0	0.0	4.000	0.0	0.722
29	-308.500	102.300	473.800	28.200	0.0	6.850	0.0	0.793
30	-359.330	102.300	473.800	28.200	0.0	6.850	0.0	0.793
31	-308.500	70.500	477.500	0.0	0.0	5.650	0.0	0.994
32	-359.330	70.500	477.500	0.0	0.0	5.650	0.0	0.994
33	-299.400	97.350	416.550	28.200	0.0	6.075	0.0	0.763
34	-350.229	97.350	416.550	28.200	0.0	6.075	0.0	0.763
35	-299.400	65.550	420.250	0.0	0.0	4.875	0.0	0.964
36	-350.229	65.550	420.250	0.0	0.0	4.875	0.0	0.964
37	-317.600	97.350	416.550	28.200	0.0	6.075	0.0	0.639
38	-368.429	97.350	416.550	28.200	0.0	6.075	0.0	0.639
39	-317.600	65.550	420.250	0.0	0.0	4.875	0.0	0.840
40	-368.429	65.550	420.250	0.0	0.0	4.875	0.0	0.840
41	-290.300	90.800	343.100	28.200	0.0	5.200	0.0	0.695
42	-341.129	90.800	343.100	28.200	0.0	5.200	0.0	0.695
43	-290.300	59.000	346.800	0.0	0.0	4.000	0.0	0.896
44	-341.129	59.000	346.800	0.0	0.0	4.000	0.0	0.896
45	-326.700	90.800	343.100	28.200	0.0	5.200	0.0	0.447
46	-377.530	90.800	343.100	28.200	0.0	5.200	0.0	0.447
47	-326.700	59.000	346.800	0.0	0.0	4.000	0.0	0.648
48	-377.530	59.000	346.800	0.0	0.0	4.000	0.0	0.648

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 18 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. -111								
PUNO. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-16.800	26.500	12.200	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	0.0	10.300	243.000	0.0	0.0	3.300	0.0	0.402
6	111.000	5.000	111.000	0.0	0.0	1.100	0.0	0.273
7	126.000	5.700	126.000	0.0	0.0	1.300	0.0	0.309
8	8.200	0.0	0.0	0.0	0.0	0.0	0.0	0.063
COMBINED STRESSES - ELEMENT NO. -111								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-315.800	54.700	12.200	28.200	0.0	0.0	0.0	-0.052
2	-366.629	54.700	12.200	28.200	0.0	0.0	0.0	-0.052
3	-315.800	26.500	12.200	0.0	0.0	0.0	0.0	0.143
4	-366.629	26.500	12.200	0.0	0.0	0.0	0.0	0.143
5	-299.400	54.700	12.200	28.200	0.0	0.0	0.0	0.074
6	-350.229	54.700	12.200	28.200	0.0	0.0	0.0	0.074
7	-299.400	26.500	12.200	0.0	0.0	0.0	0.0	0.269
8	-350.229	26.500	12.200	0.0	0.0	0.0	0.0	0.269
9	-332.200	54.700	12.200	28.200	0.0	0.0	0.0	-0.178
10	-383.029	54.700	12.200	28.200	0.0	0.0	0.0	-0.178
11	-332.200	26.500	12.200	0.0	0.0	0.0	0.0	0.017
12	-383.029	26.500	12.200	0.0	0.0	0.0	0.0	0.017
13	-315.800	66.545	291.650	28.200	0.0	3.795	0.0	0.410
14	-366.629	66.545	291.650	28.200	0.0	3.795	0.0	0.410
15	-315.800	38.345	291.650	0.0	0.0	3.795	0.0	0.605
16	-366.629	38.345	291.650	0.0	0.0	3.795	0.0	0.605
17	-204.800	70.000	366.200	28.200	0.0	4.400	0.0	0.623
18	-255.629	70.000	366.200	28.200	0.0	4.400	0.0	0.623
19	-204.800	41.800	366.200	0.0	0.0	4.400	0.0	0.816
20	-255.629	41.800	366.200	0.0	0.0	4.400	0.0	0.816
21	-198.240	70.000	366.200	28.200	0.0	4.400	0.0	0.673
22	-249.069	70.000	366.200	28.200	0.0	4.400	0.0	0.673
23	-198.240	41.800	366.200	0.0	0.0	4.400	0.0	0.864
24	-249.069	41.800	366.200	0.0	0.0	4.400	0.0	0.864
25	-211.360	70.000	366.200	28.200	0.0	4.400	0.0	0.573
26	-262.189	70.000	366.200	28.200	0.0	4.400	0.0	0.573
27	-211.360	41.800	366.200	0.0	0.0	4.400	0.0	0.768
28	-262.189	41.800	366.200	0.0	0.0	4.400	0.0	0.768
29	-189.800	75.850	502.700	28.200	0.0	6.250	0.0	0.860
30	-240.629	75.850	502.700	28.200	0.0	6.250	0.0	0.860
31	-189.800	47.650	502.700	0.0	0.0	6.250	0.0	1.055
32	-240.629	47.650	502.700	0.0	0.0	6.250	0.0	1.055
33	-181.600	73.275	441.950	28.200	0.0	5.425	0.0	0.822
34	-232.429	73.275	441.950	28.200	0.0	5.425	0.0	0.822
35	-181.600	45.075	441.950	0.0	0.0	5.425	0.0	1.017
36	-232.429	45.075	441.950	0.0	0.0	5.425	0.0	1.017
37	-198.000	73.275	441.950	28.200	0.0	5.425	0.0	0.696
38	-248.829	73.275	441.950	28.200	0.0	5.425	0.0	0.696
39	-198.000	45.075	441.950	0.0	0.0	5.425	0.0	0.891
40	-248.829	45.075	441.950	0.0	0.0	5.425	0.0	0.891
41	-188.400	70.000	366.200	28.200	0.0	4.400	0.0	0.749
42	-239.229	70.000	366.200	28.200	0.0	4.400	0.0	0.749
43	-188.400	41.800	366.200	0.0	0.0	4.400	0.0	0.944
44	-239.229	41.800	366.200	0.0	0.0	4.400	0.0	0.944
45	-221.200	70.000	366.200	28.200	0.0	4.400	0.0	0.497
46	-272.029	70.000	366.200	28.200	0.0	4.400	0.0	0.497
47	-221.200	41.800	366.200	0.0	0.0	4.400	0.0	0.692
48	-272.029	41.800	366.200	0.0	0.0	4.400	0.0	0.692

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 19 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 111								
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-16.800	28.000	12.200	0.0	0.0	0.0	0.0	0.0
2	-299.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	10.300	243.000	0.0	0.0	3.300	0.0	0.402
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	126.000	0.0	126.000	0.0	0.0	0.0	0.0	0.309
8	8.200	0.0	0.0	0.0	0.0	0.0	0.0	0.063
COMBINED STRESSES - ELEMENT NO. 111								
LOAD COMB. NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-315.800	56.200	12.200	28.200	0.0	0.0	0.0	-0.052
2	-366.629	56.200	12.200	28.200	0.0	0.0	0.0	-0.052
3	-315.800	28.000	12.200	0.0	0.0	0.0	0.0	0.144
4	-366.629	28.000	12.200	0.0	0.0	0.0	0.0	0.143
5	-299.400	56.200	12.200	28.200	0.0	0.0	0.0	0.074
6	-350.229	56.200	12.200	28.200	0.0	0.0	0.0	0.074
7	-299.400	28.000	12.200	0.0	0.0	0.0	0.0	0.269
8	-350.229	28.000	12.200	0.0	0.0	0.0	0.0	0.269
9	-332.200	56.200	12.200	28.200	0.0	0.0	0.0	-0.178
10	-383.029	56.200	12.200	28.200	0.0	0.0	0.0	-0.178
11	-332.200	28.000	12.200	0.0	0.0	0.0	0.0	0.017
12	-383.029	28.000	12.200	0.0	0.0	0.0	0.0	0.017
13	-54.750	68.045	291.650	28.200	0.0	3.795	0.0	0.410
14	-105.580	68.045	291.650	28.200	0.0	3.795	0.0	0.410
15	-54.750	39.845	291.650	0.0	0.0	3.795	0.0	0.605
16	-105.580	39.845	291.650	0.0	0.0	3.795	0.0	0.605
17	-22.200	66.500	366.200	28.200	0.0	3.300	0.0	0.623
18	-28.629	66.500	366.200	28.200	0.0	3.300	0.0	0.623
19	-22.200	38.300	366.200	0.0	0.0	3.300	0.0	0.818
20	-28.629	38.300	366.200	0.0	0.0	3.300	0.0	0.818
21	-28.760	66.500	366.200	28.200	0.0	3.300	0.0	0.673
22	-22.069	66.500	366.200	28.200	0.0	3.300	0.0	0.674
23	-28.760	38.300	366.200	0.0	0.0	3.300	0.0	0.868
24	-22.069	38.300	366.200	0.0	0.0	3.300	0.0	0.868
25	-15.640	66.500	366.200	28.200	0.0	3.300	0.0	0.573
26	-35.189	66.500	366.200	28.200	0.0	3.300	0.0	0.573
27	-15.640	38.300	366.200	0.0	0.0	3.300	0.0	0.768
28	-35.189	38.300	366.200	0.0	0.0	3.300	0.0	0.768
29	150.700	71.650	502.700	28.200	0.0	4.950	0.0	0.860
30	99.871	71.650	502.700	28.200	0.0	4.950	0.0	0.860
31	150.700	43.450	502.700	0.0	0.0	4.950	0.0	1.055
32	99.871	43.450	502.700	0.0	0.0	4.950	0.0	1.055
33	102.150	69.075	441.950	28.200	0.0	4.125	0.0	0.822
34	51.321	69.075	441.950	28.200	0.0	4.125	0.0	0.822
35	102.150	40.875	441.950	0.0	0.0	4.125	0.0	1.017
36	51.321	40.875	441.950	0.0	0.0	4.125	0.0	1.017
37	85.750	69.075	441.950	28.200	0.0	4.125	0.0	0.696
38	34.921	69.075	441.950	28.200	0.0	4.125	0.0	0.696
39	85.750	40.875	441.950	0.0	0.0	4.125	0.0	0.891
40	34.921	40.875	441.950	0.0	0.0	4.125	0.0	0.891
41	38.600	66.500	366.200	28.200	0.0	3.300	0.0	0.749
42	-12.229	66.500	366.200	28.200	0.0	3.300	0.0	0.749
43	38.600	38.300	366.200	0.0	0.0	3.300	0.0	0.944
44	-12.229	38.300	366.200	0.0	0.0	3.300	0.0	0.944
45	5.800	66.500	366.200	28.200	0.0	3.300	0.0	0.497
46	-45.029	66.500	366.200	28.200	0.0	3.300	0.0	0.497
47	5.800	38.300	366.200	0.0	0.0	3.300	0.0	0.692
48	-45.029	38.300	366.200	0.0	0.0	3.300	0.0	0.692

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 20 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 111								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-16.800	-1.500	12.200	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	10.300	243.000	0.0	0.0	3.300	0.0	0.402
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	128.000	0.0	128.000	0.0	0.0	0.0	0.0	0.309
8	8.200	0.0	0.0	0.0	0.0	0.0	0.0	0.063

COMBINED STRESSES - ELEMENT NO. 111								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-16.800	26.700	12.200	28.200	0.0	0.0	0.0	-0.052
2	-16.800	26.700	12.200	28.200	0.0	0.0	0.0	-0.052
3	-16.800	-1.500	12.200	0.0	0.0	0.0	0.0	0.143
4	-16.800	-1.500	12.200	0.0	0.0	0.0	0.0	0.143
5	-0.400	26.700	12.200	28.200	0.0	0.0	0.0	0.074
6	-0.400	26.700	12.200	28.200	0.0	0.0	0.0	0.074
7	-0.400	-1.500	12.200	0.0	0.0	0.0	0.0	0.269
8	-0.400	-1.500	12.200	0.0	0.0	0.0	0.0	0.269
9	-33.200	26.700	12.200	28.200	0.0	0.0	0.0	-0.174
10	-33.200	26.700	12.200	28.200	0.0	0.0	0.0	-0.174
11	-33.200	-1.500	12.200	0.0	0.0	0.0	0.0	0.017
12	-33.200	-1.500	12.200	0.0	0.0	0.0	0.0	0.017
13	244.250	38.345	291.650	28.200	0.0	3.795	0.0	0.410
14	244.250	38.345	291.650	28.200	0.0	3.795	0.0	0.410
15	244.250	10.345	291.650	0.0	0.0	3.795	0.0	0.605
16	244.250	10.345	291.650	0.0	0.0	3.795	0.0	0.605
17	321.200	37.000	366.200	28.200	0.0	3.300	0.0	0.623
18	321.200	37.000	366.200	28.200	0.0	3.300	0.0	0.623
19	321.200	8.800	366.200	0.0	0.0	3.300	0.0	0.818
20	321.200	8.800	366.200	0.0	0.0	3.300	0.0	0.818
21	327.760	37.000	366.200	28.200	0.0	3.300	0.0	0.673
22	327.760	37.000	366.200	28.200	0.0	3.300	0.0	0.673
23	327.760	8.800	366.200	0.0	0.0	3.300	0.0	0.894
24	327.760	8.800	366.200	0.0	0.0	3.300	0.0	0.894
25	314.640	37.000	366.200	28.200	0.0	3.300	0.0	0.573
26	314.640	37.000	366.200	28.200	0.0	3.300	0.0	0.573
27	314.640	8.800	366.200	0.0	0.0	3.300	0.0	0.768
28	314.640	8.800	366.200	0.0	0.0	3.300	0.0	0.768
29	449.700	42.150	502.700	28.200	0.0	4.950	0.0	0.860
30	449.700	42.150	502.700	28.200	0.0	4.950	0.0	0.860
31	449.700	13.950	502.700	0.0	0.0	4.950	0.0	1.055
32	449.700	13.950	502.700	0.0	0.0	4.950	0.0	1.055
33	401.150	39.575	441.950	28.200	0.0	4.125	0.0	0.822
34	401.150	39.575	441.950	28.200	0.0	4.125	0.0	0.822
35	401.150	11.375	441.950	0.0	0.0	4.125	0.0	1.017
36	401.150	11.375	441.950	0.0	0.0	4.125	0.0	1.017
37	384.750	39.575	441.950	28.200	0.0	4.125	0.0	0.696
38	384.750	39.575	441.950	28.200	0.0	4.125	0.0	0.696
39	384.750	11.375	441.950	0.0	0.0	4.125	0.0	0.891
40	384.750	11.375	441.950	0.0	0.0	4.125	0.0	0.891
41	337.600	37.000	366.200	28.200	0.0	3.300	0.0	0.749
42	337.600	37.000	366.200	28.200	0.0	3.300	0.0	0.749
43	337.600	8.800	366.200	0.0	0.0	3.300	0.0	0.944
44	337.600	8.800	366.200	0.0	0.0	3.300	0.0	0.944
45	304.800	37.000	366.200	28.200	0.0	3.300	0.0	0.497
46	304.800	37.000	366.200	28.200	0.0	3.300	0.0	0.497
47	304.800	8.800	366.200	0.0	0.0	3.300	0.0	0.692
48	304.800	8.800	366.200	0.0	0.0	3.300	0.0	0.692

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 21 of Table 3C-1 Elements 114, 117, 123, 130, 131

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 114								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-16.100	0.0	10.500	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	4.300	243.000	0.0	0.0	2.000	0.0	0.402
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	126.000	0.0	126.000	0.0	0.0	0.0	0.0	0.309
8	7.400	0.0	0.0	0.0	0.0	0.0	0.0	0.064
COMBINED STRESSES - ELEMENT NO. 114								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-16.100	28.200	10.500	28.200	0.0	0.0	0.0	-0.052
2	-16.100	28.200	10.500	28.200	0.0	0.0	0.0	-0.052
3	-16.100	0.0	10.500	0.0	0.0	0.0	0.0	0.143
4	-16.100	0.0	10.500	0.0	0.0	0.0	0.0	0.143
5	-1.300	28.200	10.500	28.200	0.0	0.0	0.0	0.076
6	-1.300	28.200	10.500	28.200	0.0	0.0	0.0	0.076
7	-1.300	0.0	10.500	0.0	0.0	0.0	0.0	0.271
8	-1.300	0.0	10.500	0.0	0.0	0.0	0.0	0.271
9	-30.900	28.200	10.500	28.200	0.0	0.0	0.0	-0.140
10	-30.900	28.200	10.500	28.200	0.0	0.0	0.0	-0.140
11	-30.900	0.0	10.500	0.0	0.0	0.0	0.0	0.015
12	-30.900	0.0	10.500	0.0	0.0	0.0	0.0	0.015
13	244.950	33.145	289.950	28.200	0.0	2.300	0.0	0.410
14	244.950	33.145	289.950	28.200	0.0	2.300	0.0	0.410
15	244.950	4.945	289.950	0.0	0.0	2.300	0.0	0.605
16	244.950	4.945	289.950	0.0	0.0	2.300	0.0	0.605
17	321.900	32.500	364.500	28.200	0.0	2.000	0.0	0.623
18	321.900	32.500	364.500	28.200	0.0	2.000	0.0	0.623
19	321.900	4.300	364.500	0.0	0.0	2.000	0.0	0.818
20	321.900	4.300	364.500	0.0	0.0	2.000	0.0	0.818
21	327.820	32.500	364.500	28.200	0.0	2.000	0.0	0.674
22	327.820	32.500	364.500	28.200	0.0	2.000	0.0	0.674
23	327.820	4.300	364.500	0.0	0.0	2.000	0.0	0.849
24	327.820	4.300	364.500	0.0	0.0	2.000	0.0	0.849
25	315.980	32.500	364.500	28.200	0.0	2.000	0.0	0.572
26	315.980	32.500	364.500	28.200	0.0	2.000	0.0	0.572
27	315.980	4.300	364.500	0.0	0.0	2.000	0.0	0.767
28	315.980	4.300	364.500	0.0	0.0	2.000	0.0	0.767
29	450.400	34.650	501.000	28.200	0.0	3.000	0.0	0.860
30	450.400	34.650	501.000	28.200	0.0	3.000	0.0	0.860
31	450.400	6.450	501.000	0.0	0.0	3.000	0.0	1.055
32	450.400	6.450	501.000	0.0	0.0	3.000	0.0	1.055
33	401.050	33.575	440.250	28.200	0.0	2.500	0.0	0.823
34	401.050	33.575	440.250	28.200	0.0	2.500	0.0	0.823
35	401.050	5.375	440.250	0.0	0.0	2.500	0.0	1.014
36	401.050	5.375	440.250	0.0	0.0	2.500	0.0	1.014
37	386.250	33.575	440.250	28.200	0.0	2.500	0.0	0.695
38	386.250	33.575	440.250	28.200	0.0	2.500	0.0	0.695
39	386.250	5.375	440.250	0.0	0.0	2.500	0.0	0.840
40	386.250	5.375	440.250	0.0	0.0	2.500	0.0	0.840
41	336.700	32.500	364.500	28.200	0.0	2.000	0.0	0.751
42	336.700	32.500	364.500	28.200	0.0	2.000	0.0	0.751
43	336.700	4.300	364.500	0.0	0.0	2.000	0.0	0.946
44	336.700	4.300	364.500	0.0	0.0	2.000	0.0	0.946
45	307.100	32.500	364.500	28.200	0.0	2.000	0.0	0.495
46	307.100	32.500	364.500	28.200	0.0	2.000	0.0	0.495
47	307.100	4.300	364.500	0.0	0.0	2.000	0.0	0.690
48	307.100	4.300	364.500	0.0	0.0	2.000	0.0	0.690

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 22 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 117								
RUNO. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-15.400	0.0	8.700	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	0.200	238.000	0.0	0.0	0.800	0.0	0.393
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	126.000	0.0	126.000	0.0	0.0	0.0	0.0	0.304
8	6.500	0.0	0.0	0.0	0.0	0.0	0.0	0.064
COMBINED STRESSES - ELEMENT NO. 117								
LOAD. COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-15.400	28.200	8.700	28.200	0.0	0.0	0.0	-0.052
2	-15.400	28.200	8.700	28.200	0.0	0.0	0.0	-0.052
3	-15.400	0.0	8.700	0.0	0.0	0.0	0.0	0.143
4	-15.400	0.0	8.700	0.0	0.0	0.0	0.0	0.143
5	-2.400	28.200	8.700	28.200	0.0	0.0	0.0	0.076
6	-2.400	28.200	8.700	28.200	0.0	0.0	0.0	0.076
7	-2.400	0.0	8.700	0.0	0.0	0.0	0.0	0.271
8	-2.400	0.0	8.700	0.0	0.0	0.0	0.0	0.271
9	-28.400	28.200	8.700	28.200	0.0	0.0	0.0	-0.140
10	-28.400	28.200	8.700	28.200	0.0	0.0	0.0	-0.140
11	-28.400	0.0	8.700	0.0	0.0	0.0	0.0	0.015
12	-28.400	0.0	8.700	0.0	0.0	0.0	0.0	0.015
13	245.650	28.430	282.400	28.200	0.0	0.920	0.0	0.400
14	245.650	28.430	282.400	28.200	0.0	0.920	0.0	0.400
15	245.650	0.230	282.400	0.0	0.0	0.920	0.0	0.545
16	245.650	0.230	282.400	0.0	0.0	0.920	0.0	0.545
17	322.600	28.400	357.700	28.200	0.0	0.800	0.0	0.614
18	322.600	28.400	357.700	28.200	0.0	0.800	0.0	0.614
19	322.600	0.200	357.700	0.0	0.0	0.800	0.0	0.804
20	322.600	0.200	357.700	0.0	0.0	0.800	0.0	0.804
21	327.800	28.400	357.700	28.200	0.0	0.800	0.0	0.865
22	327.800	28.400	357.700	28.200	0.0	0.800	0.0	0.865
23	327.800	0.200	357.700	0.0	0.0	0.800	0.0	0.860
24	327.800	0.200	357.700	0.0	0.0	0.800	0.0	0.860
25	317.400	28.400	357.700	28.200	0.0	0.800	0.0	0.543
26	317.400	28.400	357.700	28.200	0.0	0.800	0.0	0.543
27	317.400	0.200	357.700	0.0	0.0	0.800	0.0	0.754
28	317.400	0.200	357.700	0.0	0.0	0.800	0.0	0.754
29	451.100	28.500	491.700	28.200	0.0	1.200	0.0	0.846
30	451.100	28.500	491.700	28.200	0.0	1.200	0.0	0.846
31	451.100	0.300	491.700	0.0	0.0	1.200	0.0	1.041
32	451.100	0.300	491.700	0.0	0.0	1.200	0.0	1.041
33	400.850	28.450	432.200	28.200	0.0	1.000	0.0	0.812
34	400.850	28.450	432.200	28.200	0.0	1.000	0.0	0.812
35	400.850	0.250	432.200	0.0	0.0	1.000	0.0	1.007
36	400.850	0.250	432.200	0.0	0.0	1.000	0.0	1.007
37	387.850	28.450	432.200	28.200	0.0	1.000	0.0	0.684
38	387.850	28.450	432.200	28.200	0.0	1.000	0.0	0.684
39	387.850	0.250	432.200	0.0	0.0	1.000	0.0	0.879
40	387.850	0.250	432.200	0.0	0.0	1.000	0.0	0.879
41	335.600	28.400	357.700	28.200	0.0	0.800	0.0	0.742
42	335.600	28.400	357.700	28.200	0.0	0.800	0.0	0.742
43	335.600	0.200	357.700	0.0	0.0	0.800	0.0	0.937
44	335.600	0.200	357.700	0.0	0.0	0.800	0.0	0.937
45	309.600	28.400	357.700	28.200	0.0	0.800	0.0	0.486
46	309.600	28.400	357.700	28.200	0.0	0.800	0.0	0.486
47	309.600	0.200	357.700	0.0	0.0	0.800	0.0	0.681
48	309.600	0.200	357.700	0.0	0.0	0.800	0.0	0.681

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 23 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 123								
FUND. LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-14.300	0.0	5.500	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	0.0	230.000	0.0	0.0	0.0	0.0	0.388
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	126.000	0.0	126.000	0.0	0.0	0.0	0.0	0.309
8	4.900	0.0	0.0	0.0	0.0	0.0	0.0	0.063
COMBINED STRESSES - ELEMENT NO. 123								
LOAD. COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-14.300	28.200	5.500	28.200	0.0	0.0	0.0	-0.052
2	-14.300	28.200	5.500	28.200	0.0	0.0	0.0	-0.052
3	-14.300	0.0	5.500	0.0	0.0	0.0	0.0	0.143
4	-14.300	0.0	5.500	0.0	0.0	0.0	0.0	0.143
5	-4.500	28.200	5.500	28.200	0.0	0.0	0.0	0.074
6	-4.500	28.200	5.500	28.200	0.0	0.0	0.0	0.074
7	-4.500	0.0	5.500	0.0	0.0	0.0	0.0	0.269
8	-4.500	0.0	5.500	0.0	0.0	0.0	0.0	0.269
9	-24.100	28.200	5.500	28.200	0.0	0.0	0.0	-0.178
10	-24.100	28.200	5.500	28.200	0.0	0.0	0.0	-0.178
11	-24.100	0.0	5.500	0.0	0.0	0.0	0.0	0.017
12	-24.100	0.0	5.500	0.0	0.0	0.0	0.0	0.017
13	246.750	28.200	270.000	28.200	0.0	0.0	0.0	0.394
14	246.750	28.200	270.000	28.200	0.0	0.0	0.0	0.394
15	246.750	0.0	270.000	0.0	0.0	0.0	0.0	0.444
16	246.750	0.0	270.000	0.0	0.0	0.0	0.0	0.444
17	323.700	28.200	346.500	28.200	0.0	0.0	0.0	0.604
18	323.700	28.200	346.500	28.200	0.0	0.0	0.0	0.604
19	323.700	0.0	346.500	0.0	0.0	0.0	0.0	0.804
20	323.700	0.0	346.500	0.0	0.0	0.0	0.0	0.804
21	327.620	28.200	346.500	28.200	0.0	0.0	0.0	0.659
22	327.620	28.200	346.500	28.200	0.0	0.0	0.0	0.659
23	327.620	0.0	346.500	0.0	0.0	0.0	0.0	0.854
24	327.620	0.0	346.500	0.0	0.0	0.0	0.0	0.854
25	319.780	28.200	346.500	28.200	0.0	0.0	0.0	0.559
26	319.780	28.200	346.500	28.200	0.0	0.0	0.0	0.559
27	319.780	0.0	346.500	0.0	0.0	0.0	0.0	0.754
28	319.780	0.0	346.500	0.0	0.0	0.0	0.0	0.754
29	452.200	28.200	476.500	28.200	0.0	0.0	0.0	0.849
30	452.200	28.200	476.500	28.200	0.0	0.0	0.0	0.849
31	452.200	0.0	476.500	0.0	0.0	0.0	0.0	1.034
32	452.200	0.0	476.500	0.0	0.0	0.0	0.0	1.034
33	400.350	28.200	419.000	28.200	0.0	0.0	0.0	0.805
34	400.350	28.200	419.000	28.200	0.0	0.0	0.0	0.805
35	400.350	0.0	419.000	0.0	0.0	0.0	0.0	1.000
36	400.350	0.0	419.000	0.0	0.0	0.0	0.0	1.000
37	390.550	28.200	419.000	28.200	0.0	0.0	0.0	0.679
38	390.550	28.200	419.000	28.200	0.0	0.0	0.0	0.679
39	390.550	0.0	419.000	0.0	0.0	0.0	0.0	0.874
40	390.550	0.0	419.000	0.0	0.0	0.0	0.0	0.874
41	333.500	28.200	346.500	28.200	0.0	0.0	0.0	0.735
42	333.500	28.200	346.500	28.200	0.0	0.0	0.0	0.735
43	333.500	0.0	346.500	0.0	0.0	0.0	0.0	0.930
44	333.500	0.0	346.500	0.0	0.0	0.0	0.0	0.930
45	313.900	28.200	346.500	28.200	0.0	0.0	0.0	0.483
46	313.900	28.200	346.500	28.200	0.0	0.0	0.0	0.483
47	313.900	0.0	346.500	0.0	0.0	0.0	0.0	0.678
48	313.900	0.0	346.500	0.0	0.0	0.0	0.0	0.678

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 24 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 130								
PUMP LOAD NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-13.200	0.0	2.200	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	0.0	227.000	0.0	0.0	0.0	0.0	0.383
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	126.000	0.0	126.000	0.0	0.0	0.0	0.0	0.309
8	3.500	0.0	0.0	0.0	0.0	0.0	0.0	0.059
COMBINED STRESSES - ELEMENT NO. 130								
LOAD COMB. NO.	MERIDIONAL		HOOP		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-13.200	28.200	2.200	28.200	0.0	0.0	0.0	-0.052
2	-13.200	28.200	2.200	28.200	0.0	0.0	0.0	-0.052
3	-13.200	0.0	2.200	0.0	0.0	0.0	0.0	0.143
4	-13.200	0.0	2.200	0.0	0.0	0.0	0.0	0.143
5	-6.200	28.200	2.200	28.200	0.0	0.0	0.0	0.066
6	-6.200	28.200	2.200	28.200	0.0	0.0	0.0	0.066
7	-6.200	0.0	2.200	0.0	0.0	0.0	0.0	0.261
8	-6.200	0.0	2.200	0.0	0.0	0.0	0.0	0.261
9	-20.200	28.200	2.200	28.200	0.0	0.0	0.0	-0.170
10	-20.200	28.200	2.200	28.200	0.0	0.0	0.0	-0.170
11	-20.200	0.0	2.200	0.0	0.0	0.0	0.0	0.025
12	-20.200	0.0	2.200	0.0	0.0	0.0	0.0	0.025
13	247.850	28.200	263.250	28.200	0.0	0.0	0.0	0.388
14	247.850	28.200	263.250	28.200	0.0	0.0	0.0	0.388
15	247.850	0.0	263.250	0.0	0.0	0.0	0.0	0.443
16	247.850	0.0	263.250	0.0	0.0	0.0	0.0	0.443
17	324.800	28.200	340.200	28.200	0.0	0.0	0.0	0.604
18	324.800	28.200	340.200	28.200	0.0	0.0	0.0	0.604
19	324.800	0.0	340.200	0.0	0.0	0.0	0.0	0.799
20	324.800	0.0	340.200	0.0	0.0	0.0	0.0	0.799
21	327.600	28.200	340.200	28.200	0.0	0.0	0.0	0.651
22	327.600	28.200	340.200	28.200	0.0	0.0	0.0	0.651
23	327.600	0.0	340.200	0.0	0.0	0.0	0.0	0.846
24	327.600	0.0	340.200	0.0	0.0	0.0	0.0	0.846
25	322.000	28.200	340.200	28.200	0.0	0.0	0.0	0.557
26	322.000	28.200	340.200	28.200	0.0	0.0	0.0	0.557
27	322.000	0.0	340.200	0.0	0.0	0.0	0.0	0.752
28	322.000	0.0	340.200	0.0	0.0	0.0	0.0	0.752
29	453.300	28.200	468.700	28.200	0.0	0.0	0.0	0.831
30	453.300	28.200	468.700	28.200	0.0	0.0	0.0	0.831
31	453.300	0.0	468.700	0.0	0.0	0.0	0.0	1.026
32	453.300	0.0	468.700	0.0	0.0	0.0	0.0	1.026
33	400.050	28.200	411.950	28.200	0.0	0.0	0.0	0.795
34	400.050	28.200	411.950	28.200	0.0	0.0	0.0	0.795
35	400.050	0.0	411.950	0.0	0.0	0.0	0.0	0.990
36	400.050	0.0	411.950	0.0	0.0	0.0	0.0	0.990
37	393.050	28.200	411.950	28.200	0.0	0.0	0.0	0.677
38	393.050	28.200	411.950	28.200	0.0	0.0	0.0	0.677
39	393.050	0.0	411.950	0.0	0.0	0.0	0.0	0.872
40	393.050	0.0	411.950	0.0	0.0	0.0	0.0	0.872
41	331.800	28.200	340.200	28.200	0.0	0.0	0.0	0.722
42	331.800	28.200	340.200	28.200	0.0	0.0	0.0	0.722
43	331.800	0.0	340.200	0.0	0.0	0.0	0.0	0.917
44	331.800	0.0	340.200	0.0	0.0	0.0	0.0	0.917
45	317.800	28.200	340.200	28.200	0.0	0.0	0.0	0.486
46	317.800	28.200	340.200	28.200	0.0	0.0	0.0	0.486
47	317.800	0.0	340.200	0.0	0.0	0.0	0.0	0.641
48	317.800	0.0	340.200	0.0	0.0	0.0	0.0	0.641

Appendix 3C CONTAINMENT SHELL STRESS CALCULATION RESULTS

Sheet 25 of Table 3C-1

Table 3C-1

CONTAINMENT SHELL STRESS CALCULATION RESULTS (Continued)

ELEMENT NO. 131								
FUND. LOAD NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	28.200	0.0	28.200	0.0	0.0	0.0	-0.052
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.143
5	227.000	0.0	227.000	0.0	0.0	0.0	0.0	0.383
6	111.000	0.0	111.000	0.0	0.0	0.0	0.0	0.273
7	126.000	0.0	126.000	0.0	0.0	0.0	0.0	0.309
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COMBINED STRESSES - ELEMENT NO. 131								
LOAD. COMB. NO.	----- MERIDIONAL -----		----- HOOP -----		MERIDIONAL SHEAR (K/FT)			RADIAL DISPLACEMENT (IN)
	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)	STRESS RES (K/FT)	STRESS CPL (K-FT/FT)				
1	-10.200	28.200	-10.200	28.200	0.0	0.0	0.0	-0.052
2	-10.200	28.200	-10.200	28.200	0.0	0.0	0.0	-0.052
3	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.143
4	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.143
5	-10.200	28.200	-10.200	28.200	0.0	0.0	0.0	-0.052
6	-10.200	28.200	-10.200	28.200	0.0	0.0	0.0	-0.052
7	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.143
8	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.143
9	-10.200	28.200	-10.200	28.200	0.0	0.0	0.0	-0.052
10	-10.200	28.200	-10.200	28.200	0.0	0.0	0.0	-0.052
11	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.143
12	-10.200	0.0	-10.200	0.0	0.0	0.0	0.0	0.143
13	250.850	28.200	250.850	28.200	0.0	0.0	0.0	0.388
14	250.850	28.200	250.850	28.200	0.0	0.0	0.0	0.388
15	250.850	0.0	250.850	0.0	0.0	0.0	0.0	0.583
16	250.850	0.0	250.850	0.0	0.0	0.0	0.0	0.583
17	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
18	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
19	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
20	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
21	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
22	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
23	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
24	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
25	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
26	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
27	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
28	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
29	456.300	28.200	456.300	28.200	0.0	0.0	0.0	0.831
30	456.300	28.200	456.300	28.200	0.0	0.0	0.0	0.831
31	456.300	0.0	456.300	0.0	0.0	0.0	0.0	1.026
32	456.300	0.0	456.300	0.0	0.0	0.0	0.0	1.026
33	399.550	28.200	399.550	28.200	0.0	0.0	0.0	0.736
34	399.550	28.200	399.550	28.200	0.0	0.0	0.0	0.736
35	399.550	0.0	399.550	0.0	0.0	0.0	0.0	0.931
36	399.550	0.0	399.550	0.0	0.0	0.0	0.0	0.931
37	399.550	28.200	399.550	28.200	0.0	0.0	0.0	0.736
38	399.550	28.200	399.550	28.200	0.0	0.0	0.0	0.736
39	399.550	0.0	399.550	0.0	0.0	0.0	0.0	0.931
40	399.550	0.0	399.550	0.0	0.0	0.0	0.0	0.931
41	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
42	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
43	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
44	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
45	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
46	327.800	28.200	327.800	28.200	0.0	0.0	0.0	0.604
47	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799
48	327.800	0.0	327.800	0.0	0.0	0.0	0.0	0.799