Figure 21. Global "Y" stress contour, longitudinal model, Zintel Canyon Dam, dam-top placement

```
1    +4.00E-05
2    +4.00E+01
3    +8.00E+01
4    +1.20E+02
5    +1.60E+02
6    +2.00E+02
```
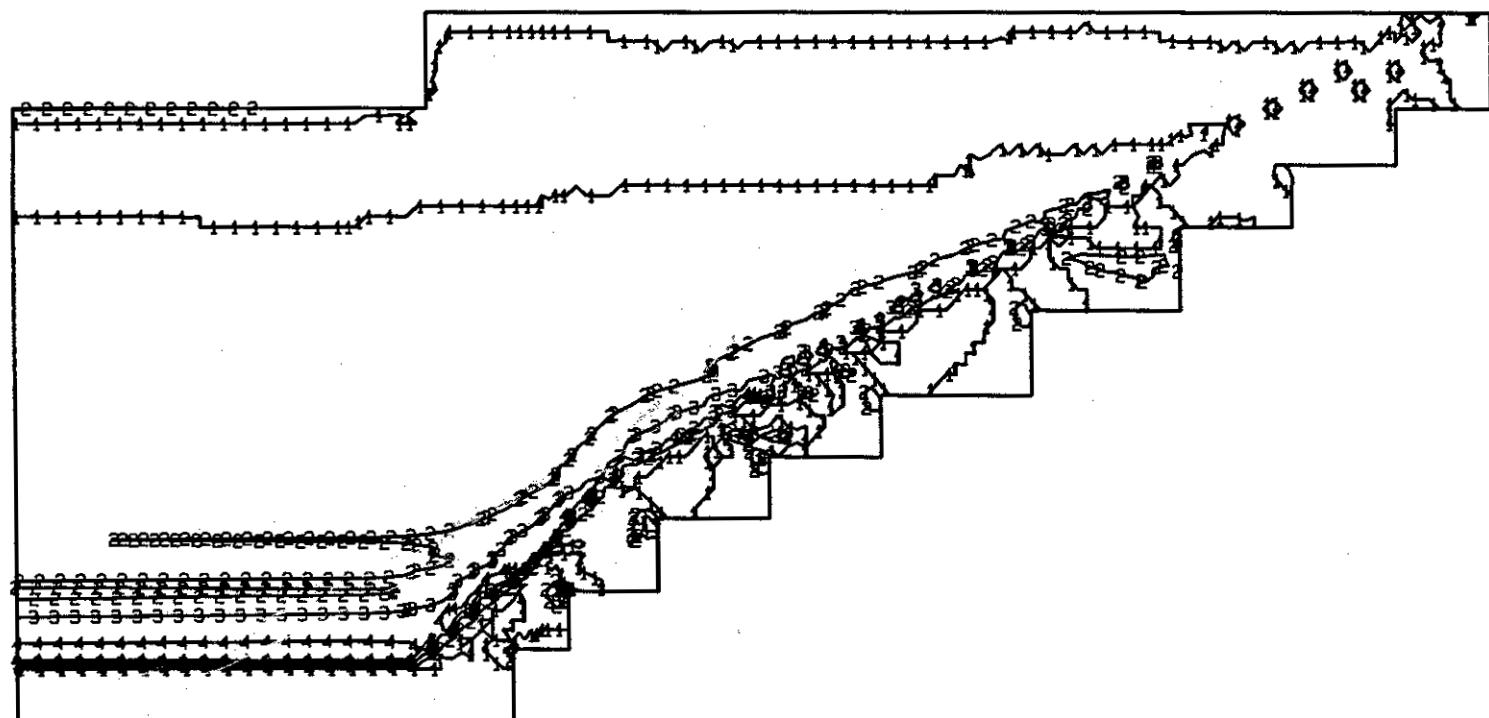
ZINTEL CANYON DAM,   DAM-TOP PLACEMENT

TIME COMPLETED IN THIS STEP +4.999E-01   TOTAL ACCUMULATED TIME +6.975E+01 @   STEP 96   INCREMENT 1

Figure 22.   Principal stress contours, longitudinal model, Zintel Canyon Dam, dam-top placement

1	−3.00E+02
2	−1.19E+02
3	+6.00E+01
4	+2.40E+02
5	+4.20E+02
6	+6.00E+02
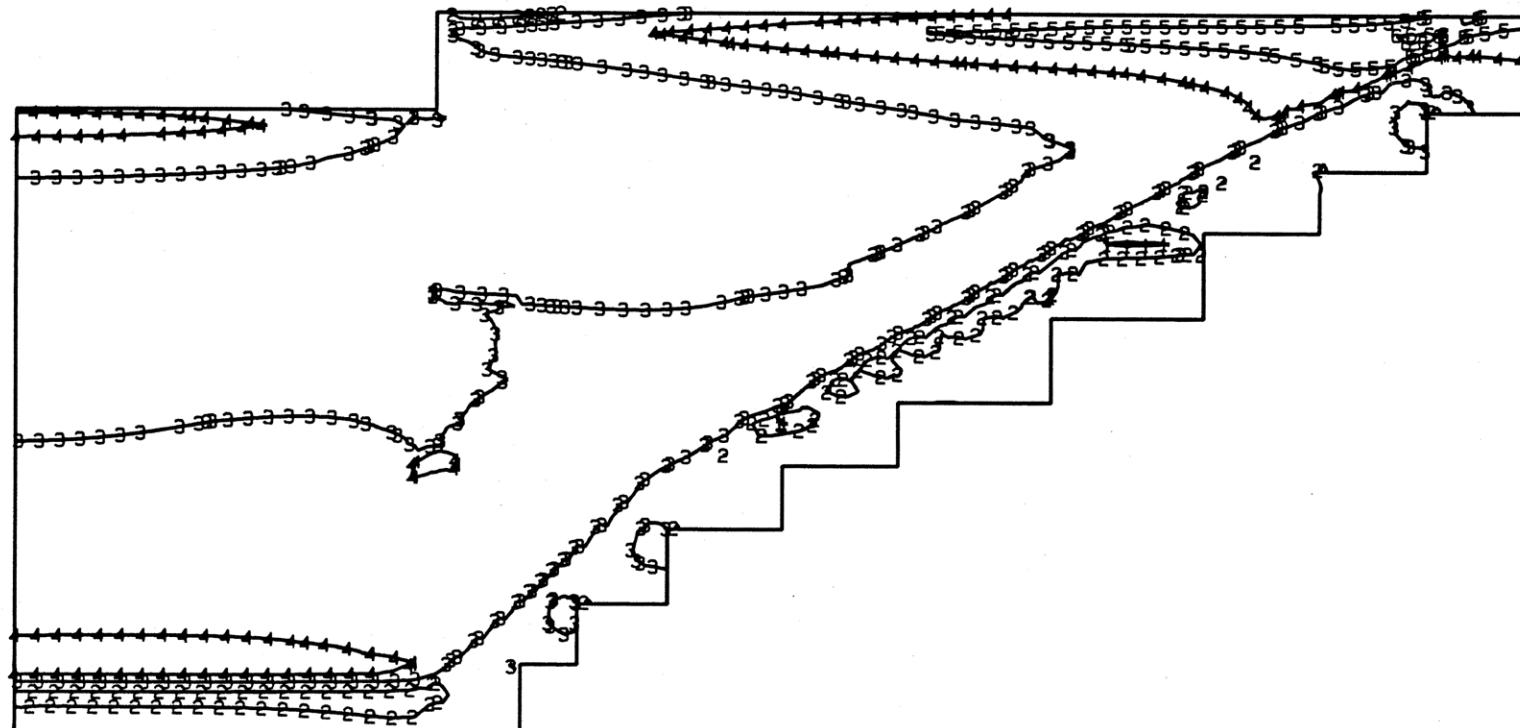
ZINTEL CANYON DAM, COOL-DOWN PERIOD

TIME COMPLETED IN THIS STEP +1.180E+02   TOTAL ACCUMULATED TIME +1.877E+02 @   STEP 97 INCREMENT 118

Figure 23.   Global "X" stress contours, longitudinal model, Zintel Canyon Dam, cool-down period

1	-2.00E+02
2	-9.99E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02
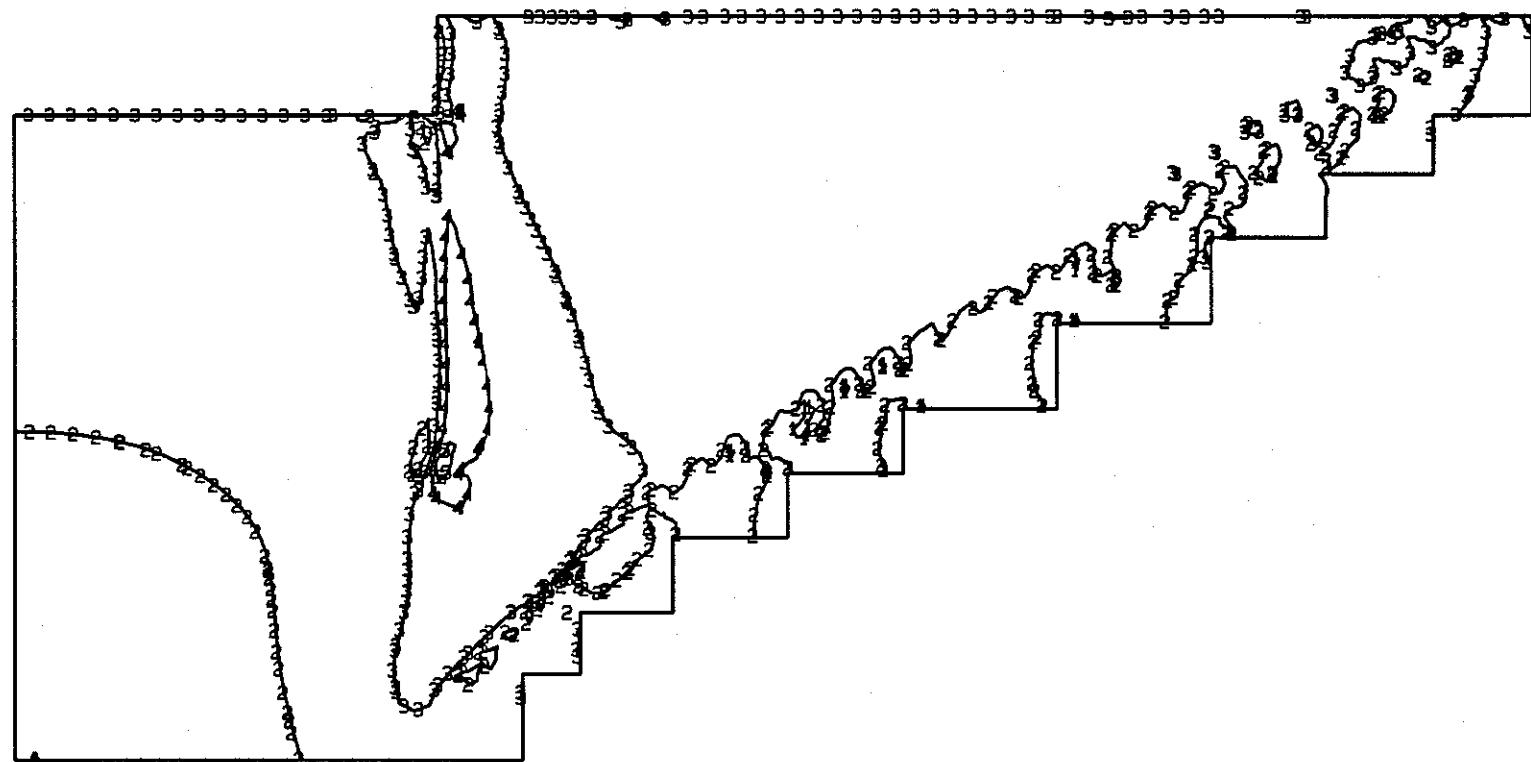
ZINTEL CANYON DAM,   COOL-DOWN PERIOD

TIME COMPLETED IN THIS STEP +1.180E+02   TOTAL ACCUMULATED TIME +1.877E+02 @   STEP 97 INCREMENT 118

Figure 24. Global "Y" stress contours, longitudinal model, Zintel Canyon Dam, cool-down period
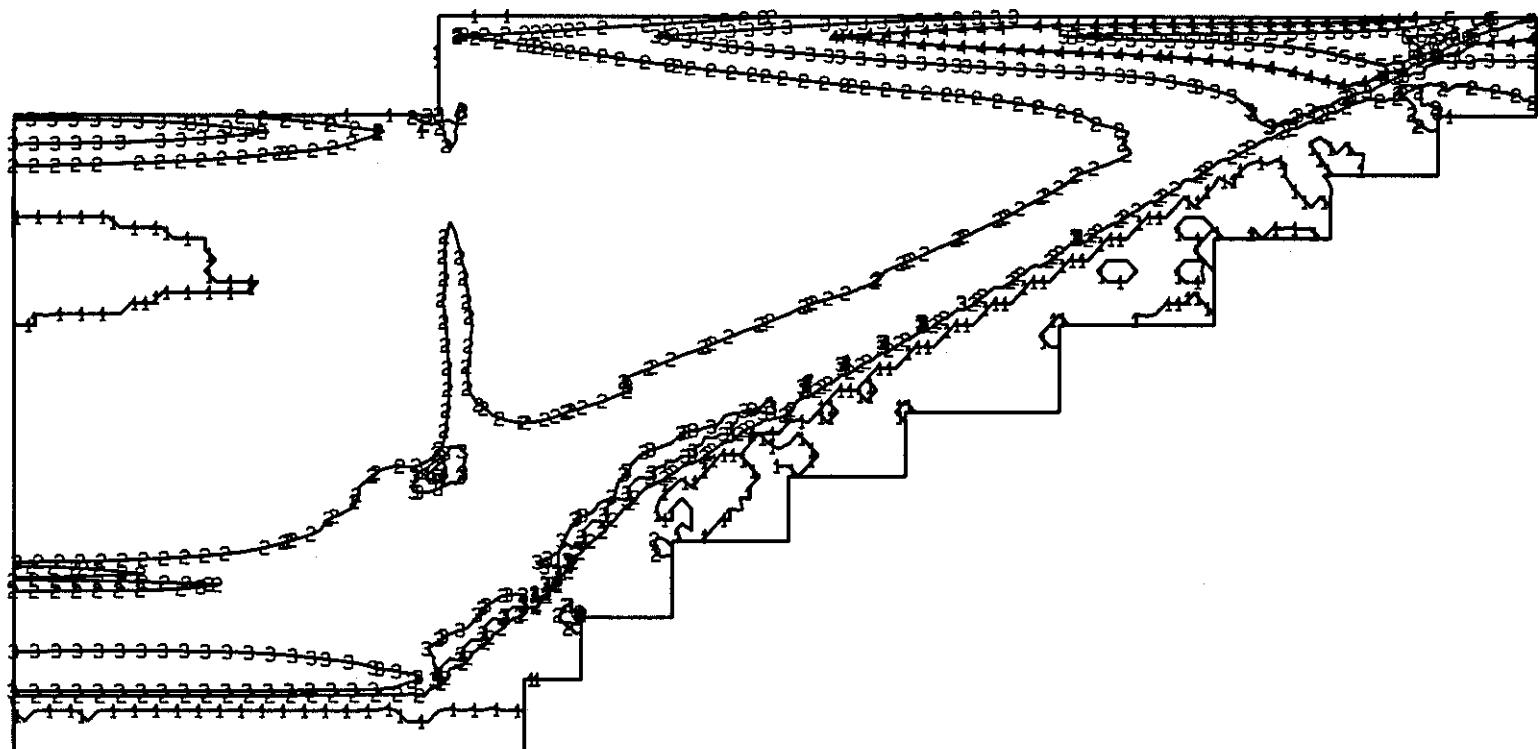
Figure 25.   Principal stress contours, longitudinal model, Zintel Canyon Dam, cool-down period
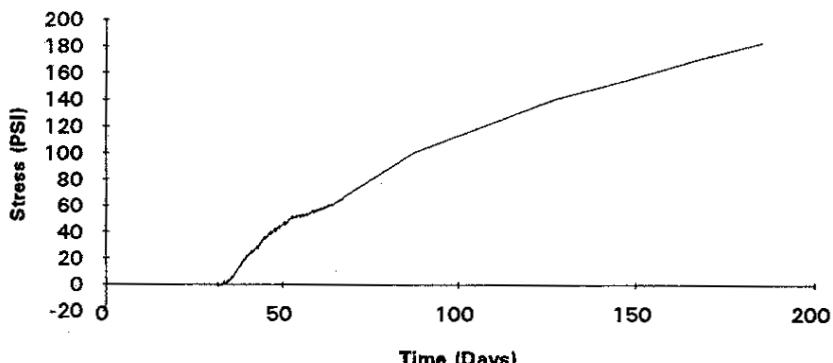
a. Stress history element 71, global X stresses, transverse model
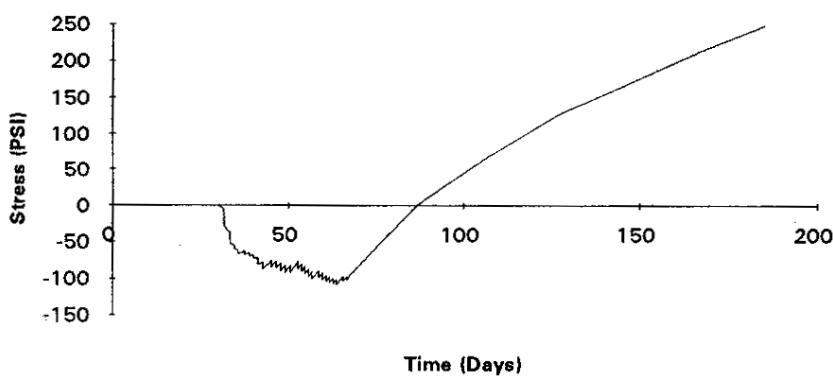
b. Stress history element 71, global Y stresses, transverse model
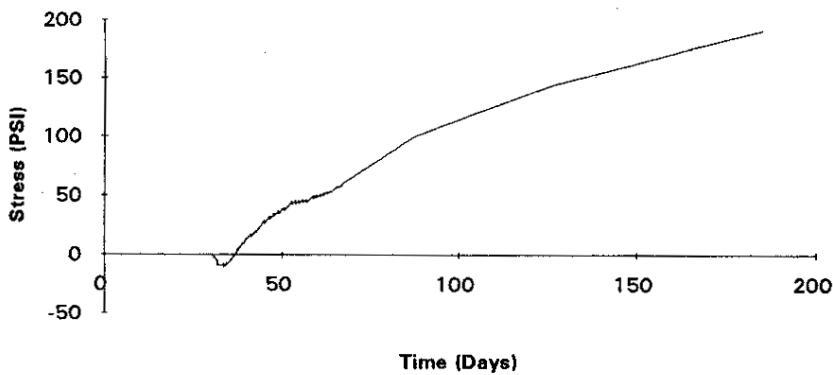
c. Stress history element 71, shear stresses, transverse analysis

Figure 26.   Stress histories for elements, transverse model, element 71
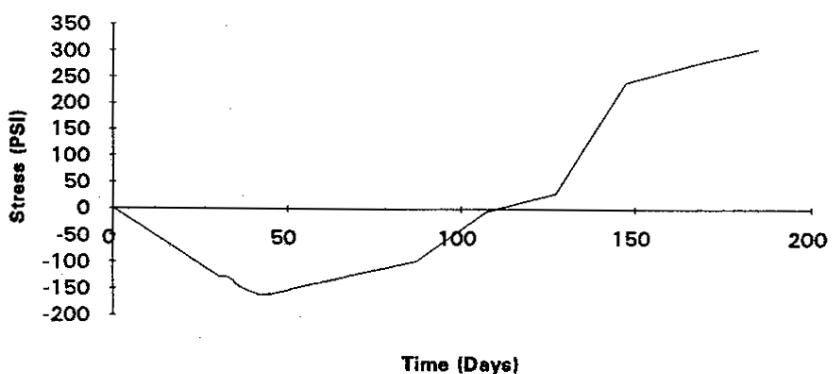
a. Stress history element 188, global X stresses, transverse model
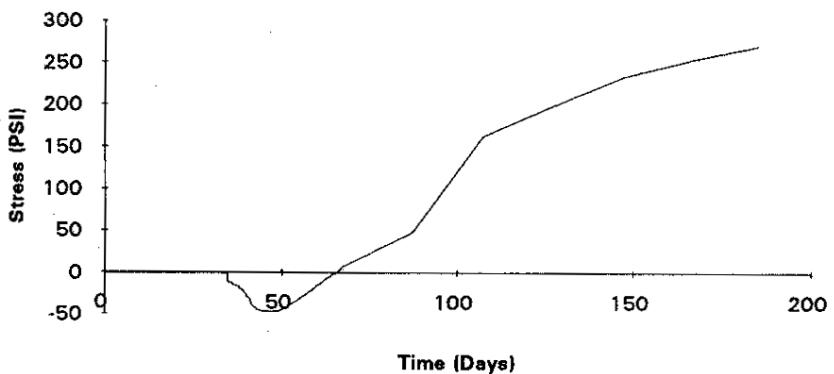
b. Stress history element 188, global Y stresses, transverse model
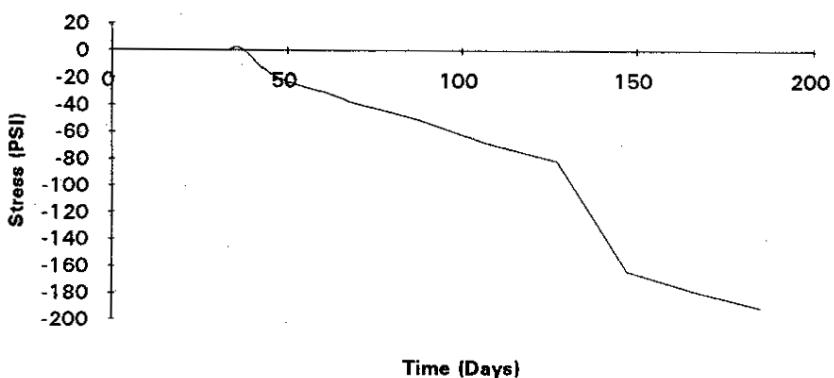
c. Stress history element 188, shear stresses, transverse model

Figure 27.   Stress histories for elements, transverse model, element 188
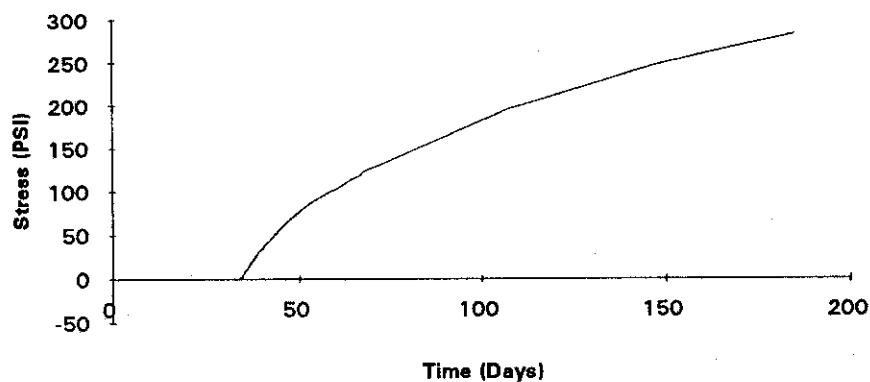
a. Stress history element 216, global X stresses, transverse model
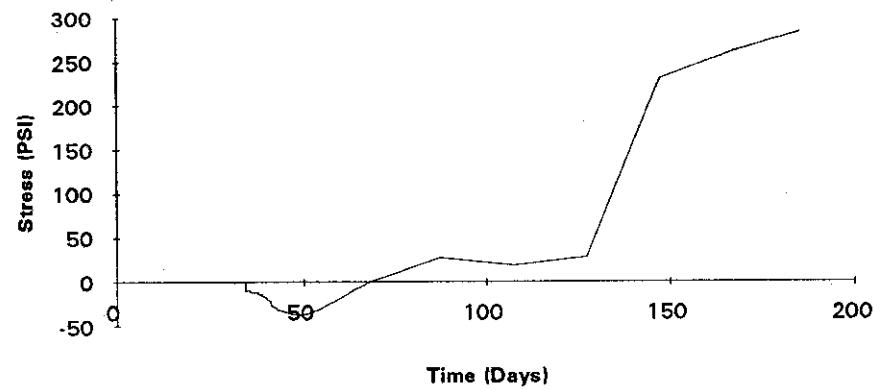
b. Stress history element 216, global Y stresses, transverse model
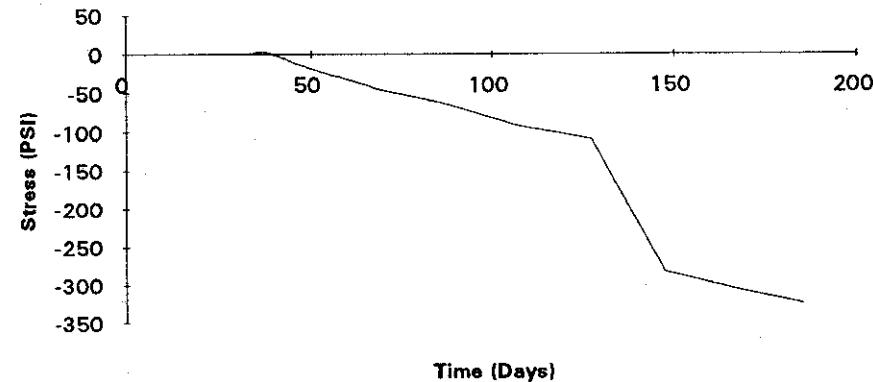
c. Stress history element 216, shear stresses, transverse model

Figure 28.   Stress histories for elements, transverse model, element 216
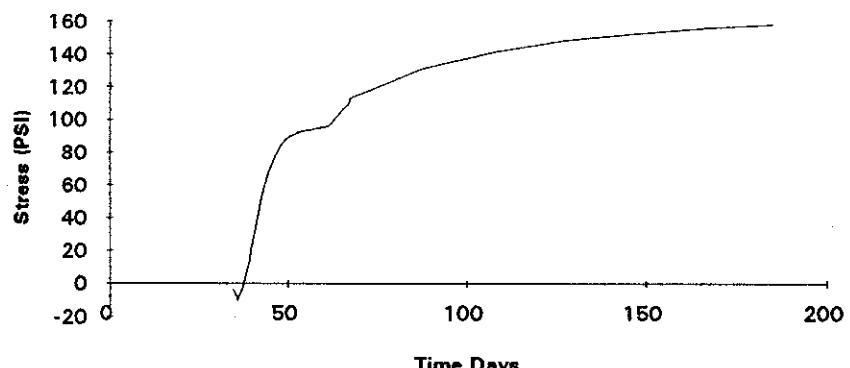
a. Stress history element 227, global X stresses, transverse model
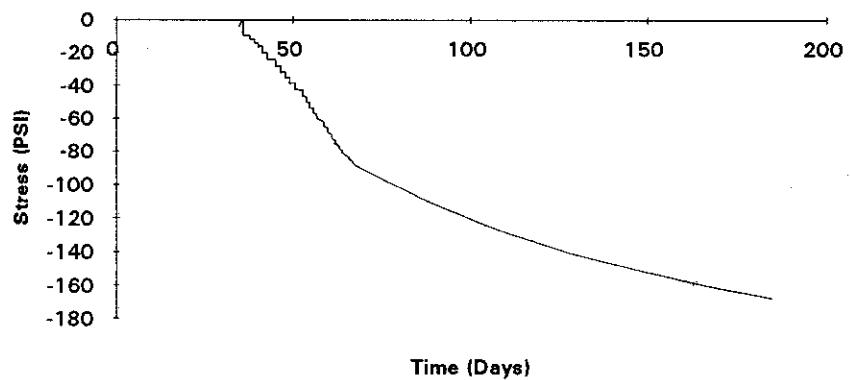
b. Stress history element 227, global Y stresses, transverse model
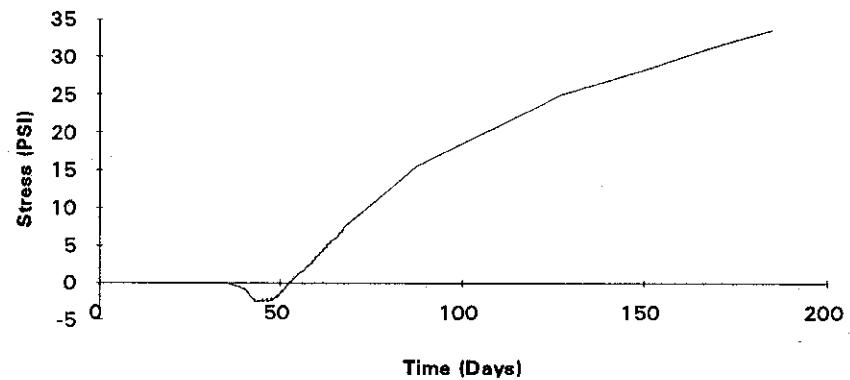
c. Stress history element 227, shear stresses, transverse model

Figure 29.   Stress histories for elements, transverse model, element 227
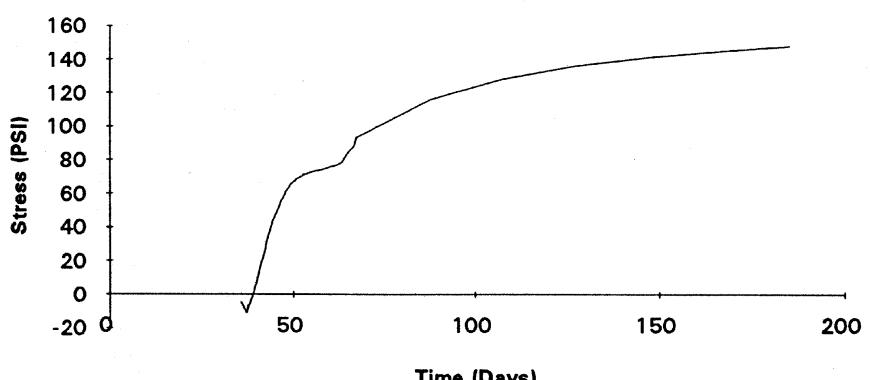
a. Stress history element 252, global X stresses, transverse model
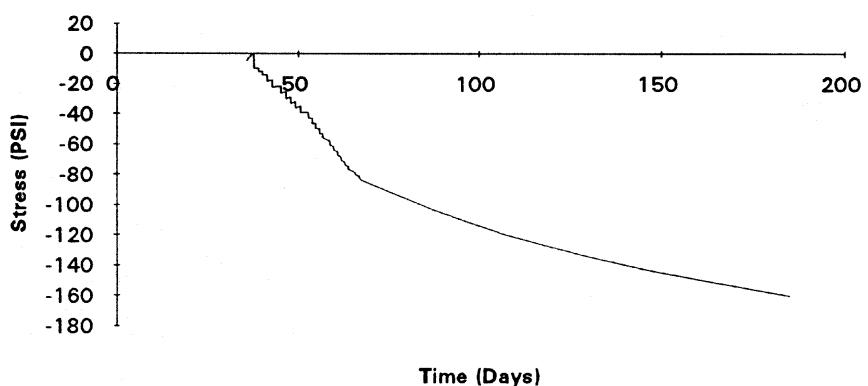
b. Stress history element 252, global Y stresses, transverse model
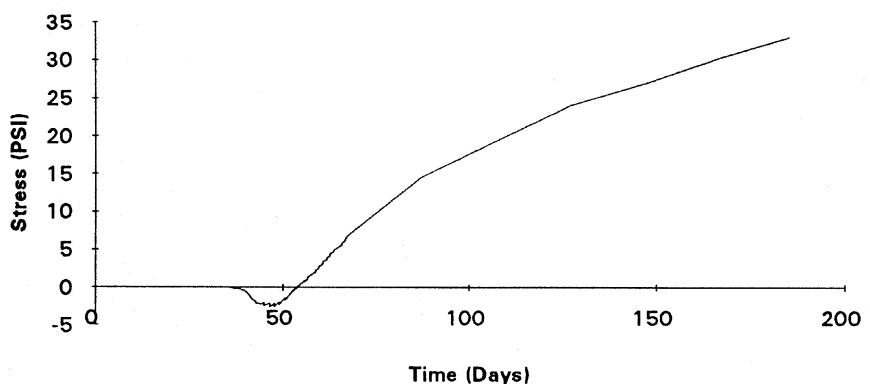
c. Stress history element 252, shear stresses, transverse analysis

Figure 30.   Stress histories for elements, transverse model, element 252
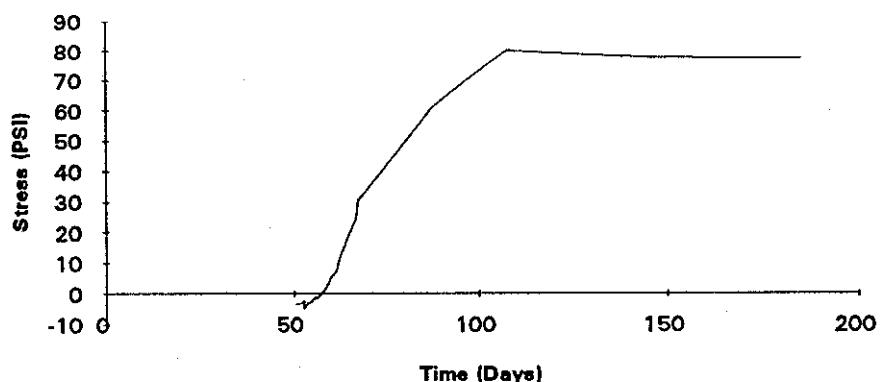
a. Stress history element 489, global X stresses, transverse analysis
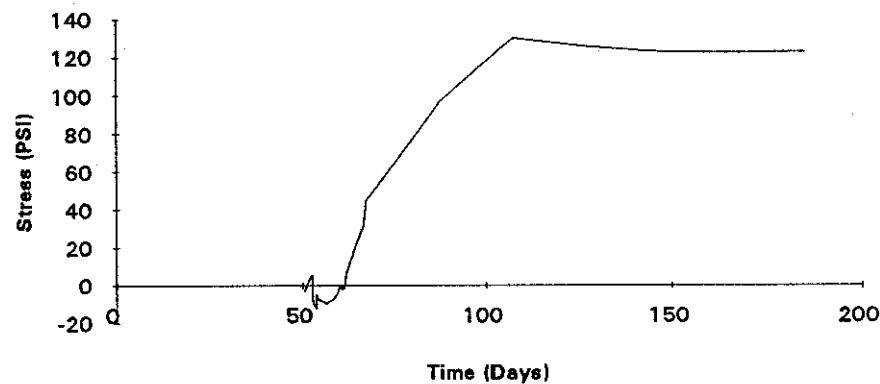
b. Stress history element 489, global Y stresses, transverse model
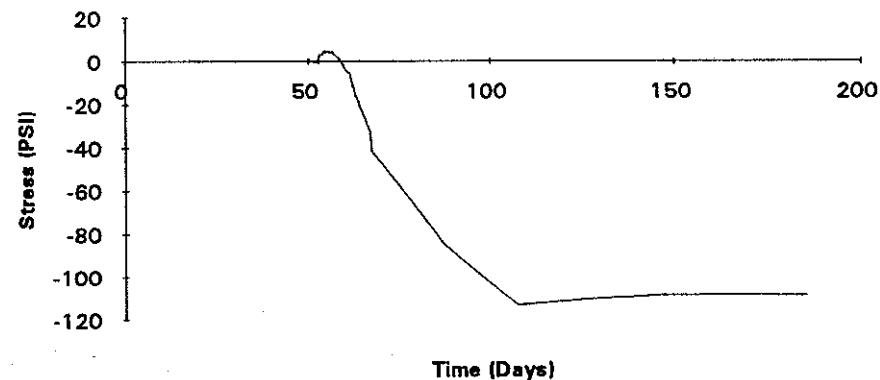
c. Stress history element 489, shear stresses, transverse analysis

Figure 31.   Stress histories for elements, transverse model, element 489
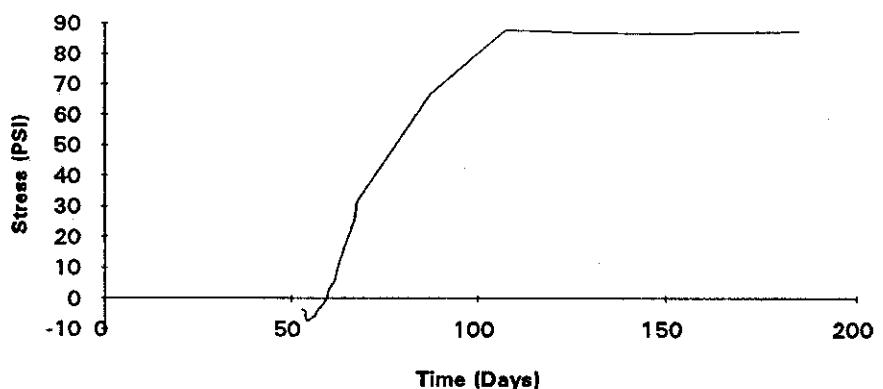
a. Stress history element 506, global X stresses, transverse analysis
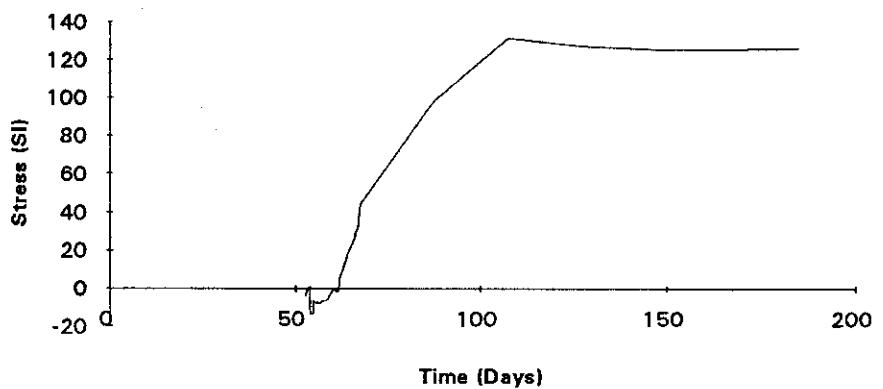
b. Stress history element 506, global Y stresses, transverse analysis
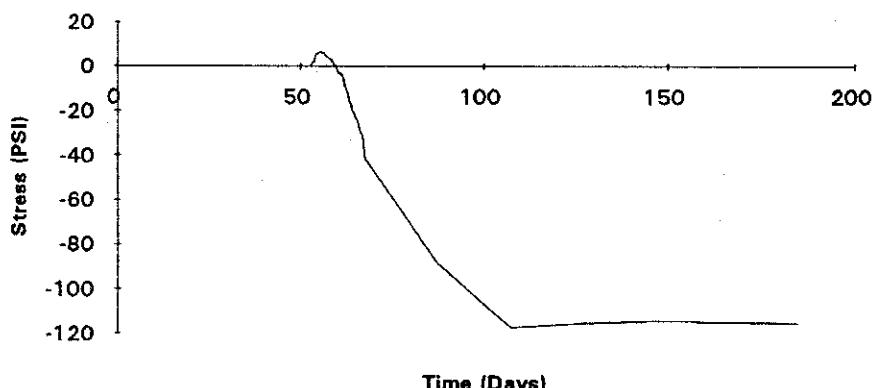
c. Stress history element 506, shear stresses, transverse analysis

Figure 32.   Stress histories for elements, transverse model, element 506
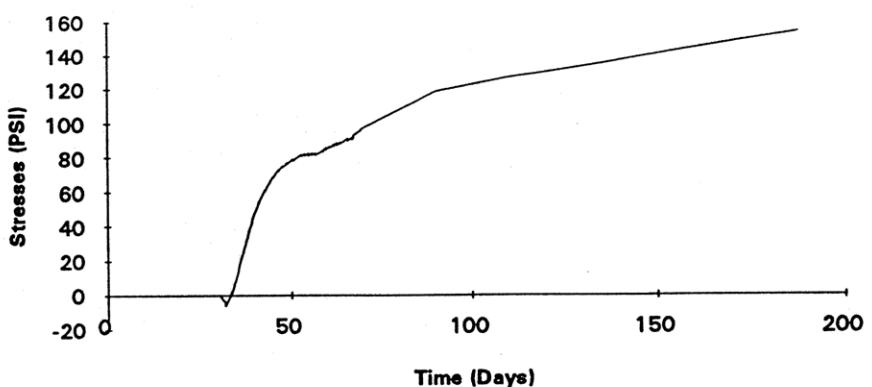
a. Stress history element 92, global X stresses, longitudinal model
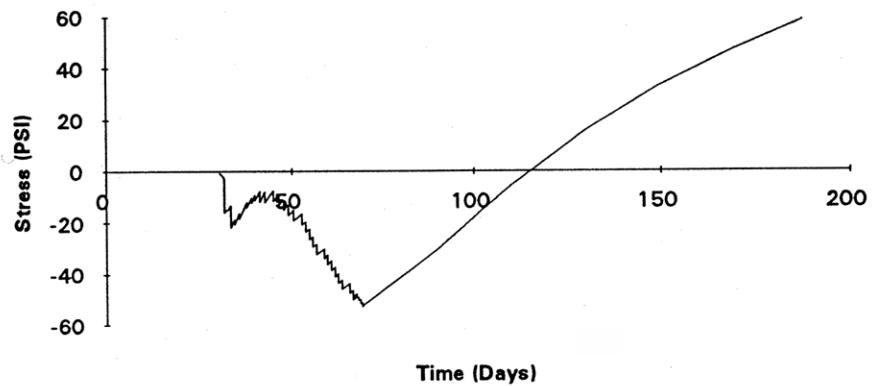
b. Stress history element 92, global Y stresses, longitudinal model
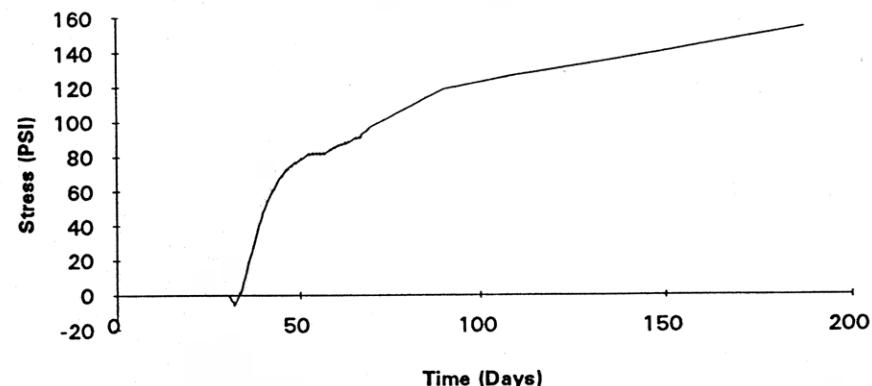
c. Stress history element 92, shear stresses, longitudinal model

Figure 33.   Stress histories for elements, longitudinal model, element 92
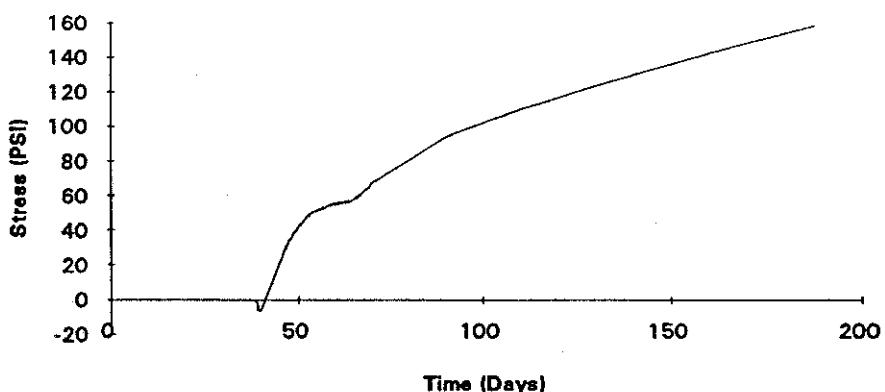
a. Stress history element 309, global X stresses, longitudinal model
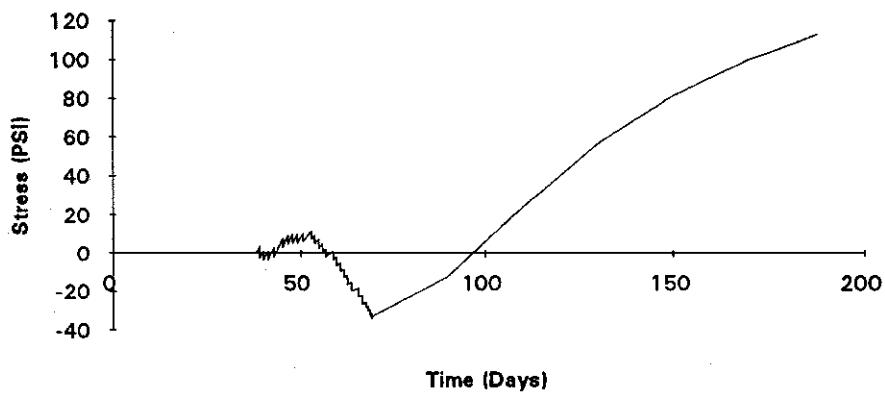
b. Stress history element 309, global Y stresses, longitudinal model
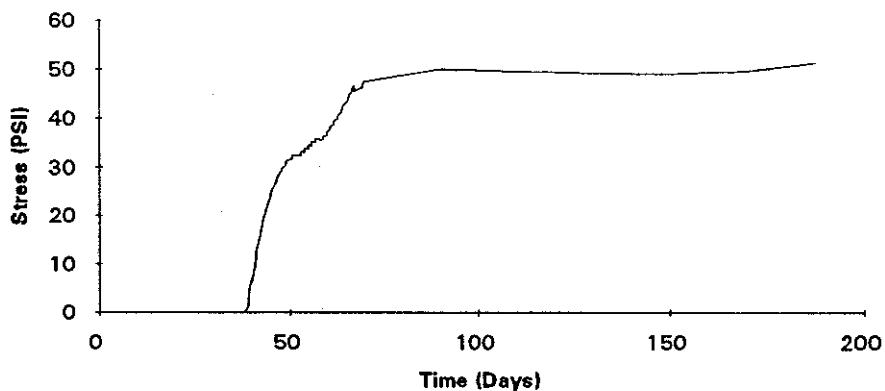
c. Stress history element 309, shear stresses, longitudinal model

Figure 34.   Stress histories for elements, longitudinal model, element 309
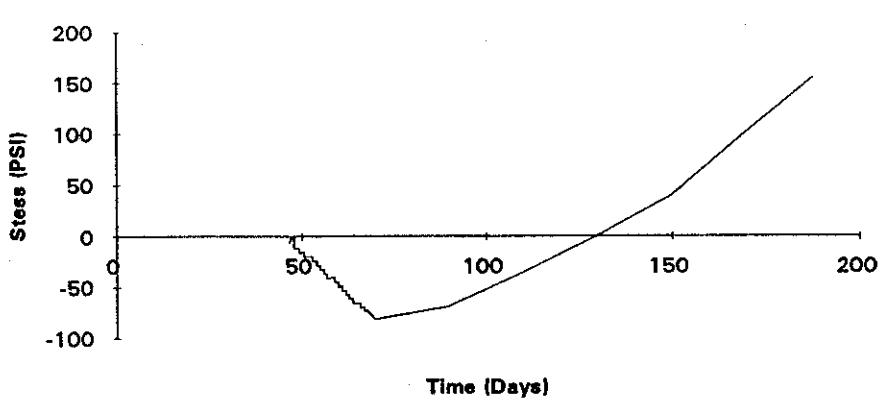
a. Stress history element 518, global X stresses, longitudinal model
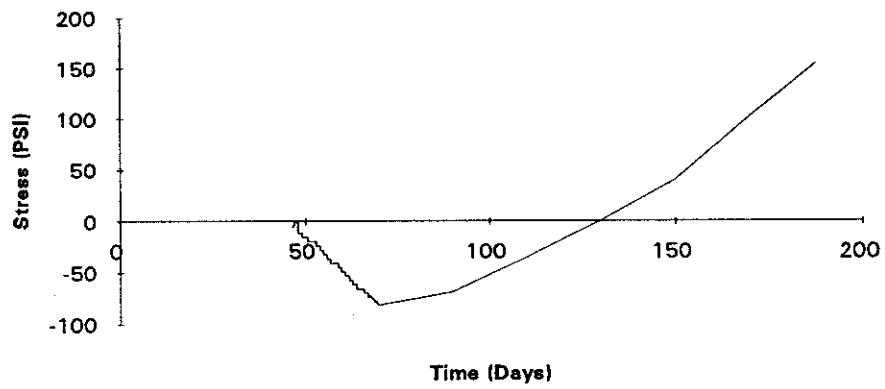
b. Stress history element 518, global Y stresses, longitudinal model
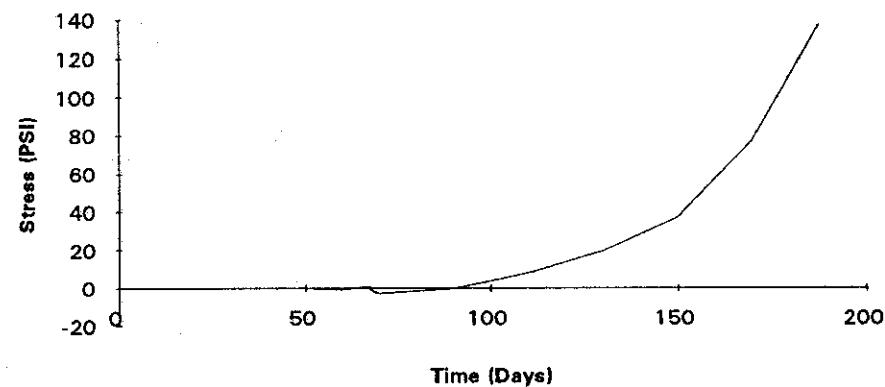
c. Stress history element 518, shear stresses, longitudinal model

Figure 35.   Stress histories for elements, longitudinal model, element 518
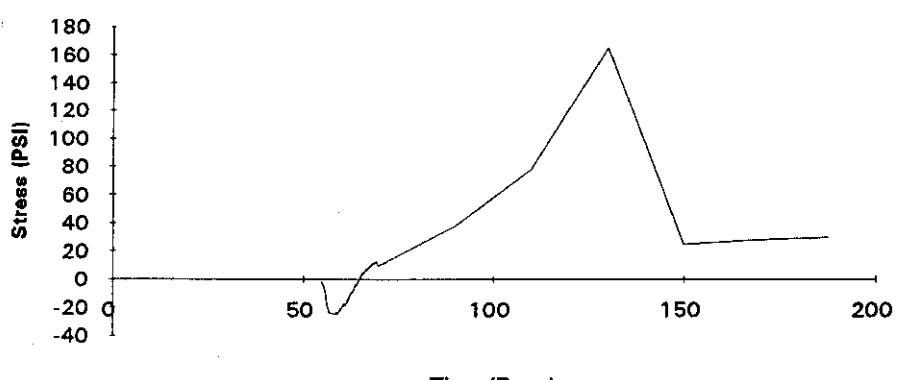
a. Stress history element 813, global X stresses, longitudinal model
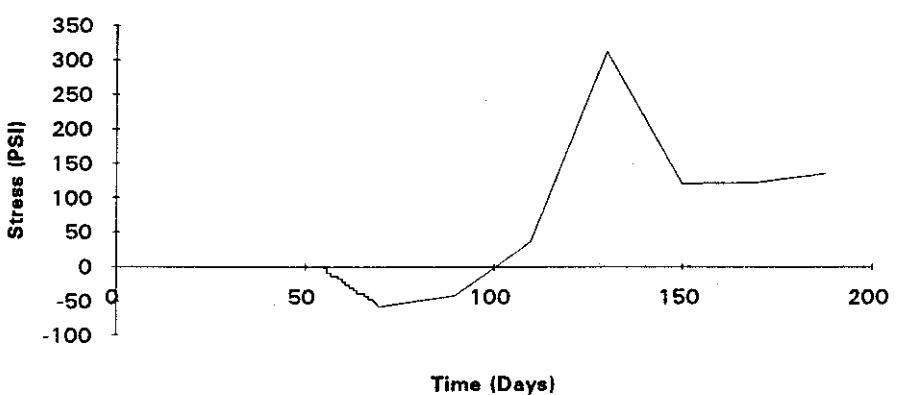
b. Stress history element 813, global Y stresses, longitudinal model
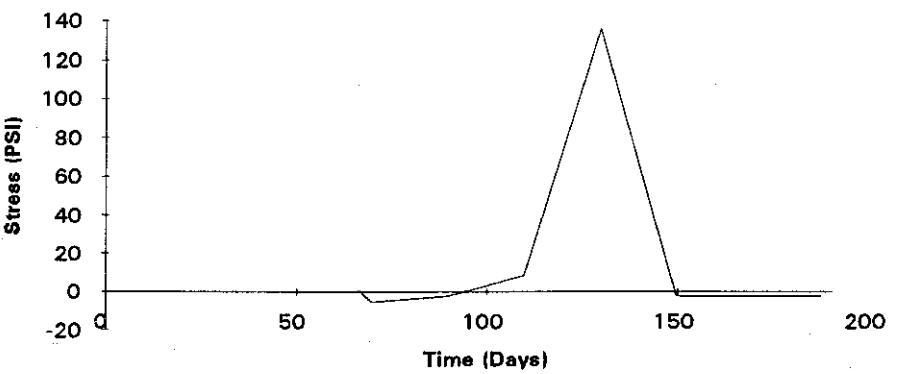
c. Stress history element 813, shear stresses, longitudinal model

Figure 36.   Stress histories for elements, longitudinal model, element 813
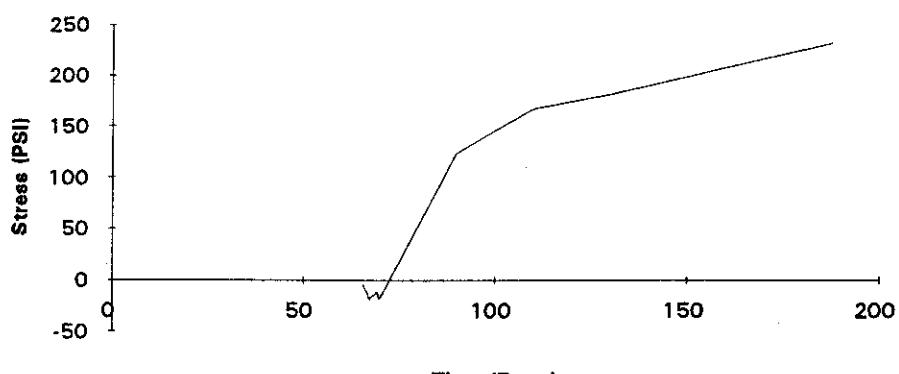
a. Stress history element 1364, global X stresses, longitudinal model
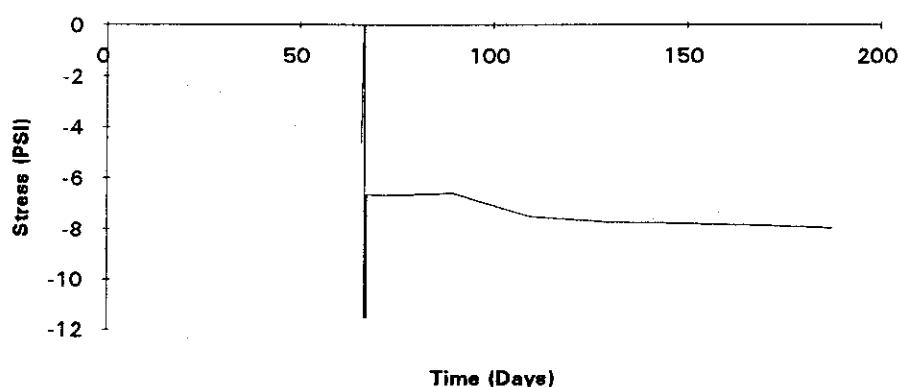
b. Stress history element 1364, global Y stresses, longitudinal model
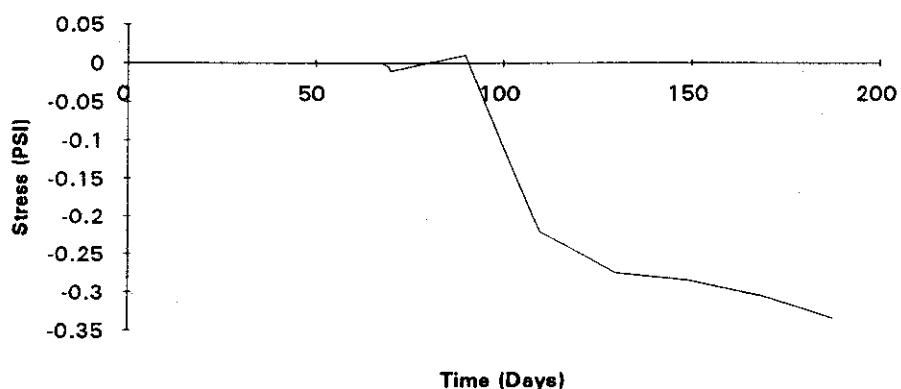
c. Stress history element 1364, shear stresses, longitudinal model

Figure 37.   Stress histories for elements, longitudinal model, element 1364
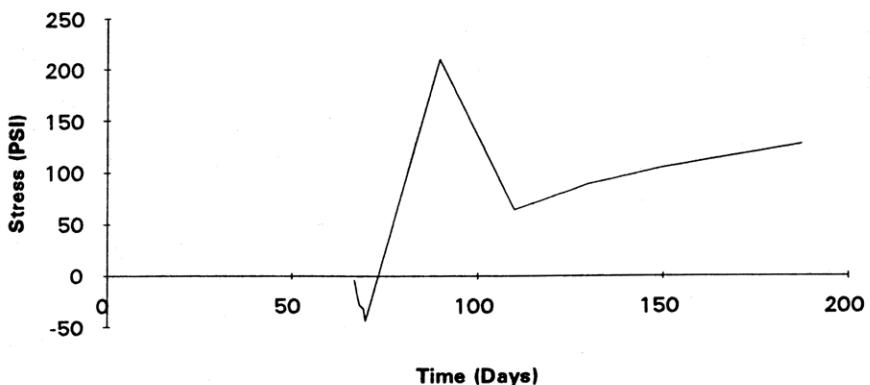
a. Stress history element 1457, global X stresses, longitudinal model
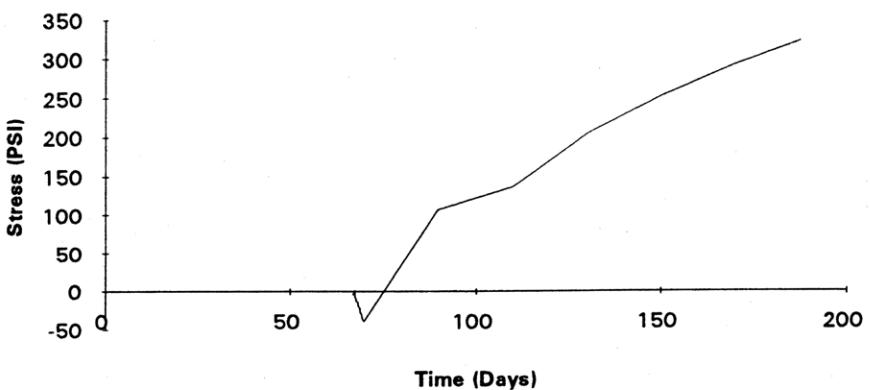
b. Stress history element 1457, global Y stresses, longitudinal model
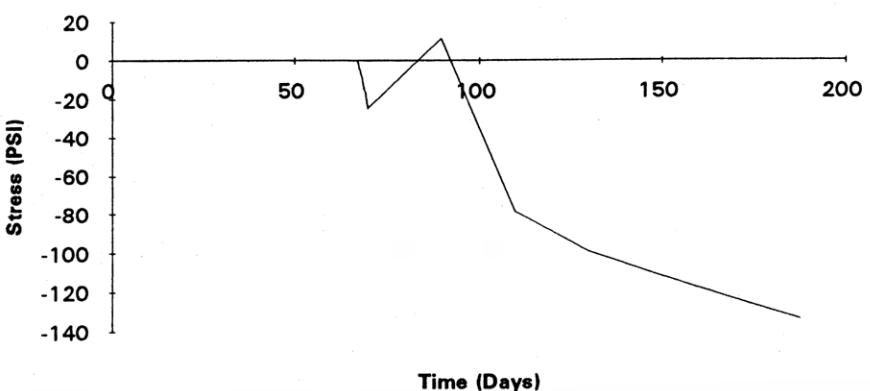
c. Stress history element 1457, shear stresses, longitudinal model

Figure 38.   Stress histories for elements, longitudinal model, element 1457

a. Stress history element 1736, global X stresses, longitudinal model

b. Stress history element 1736, global Y stresses, longitudinal model

c. Stress history element 1736, shear stresses, longitudinal model
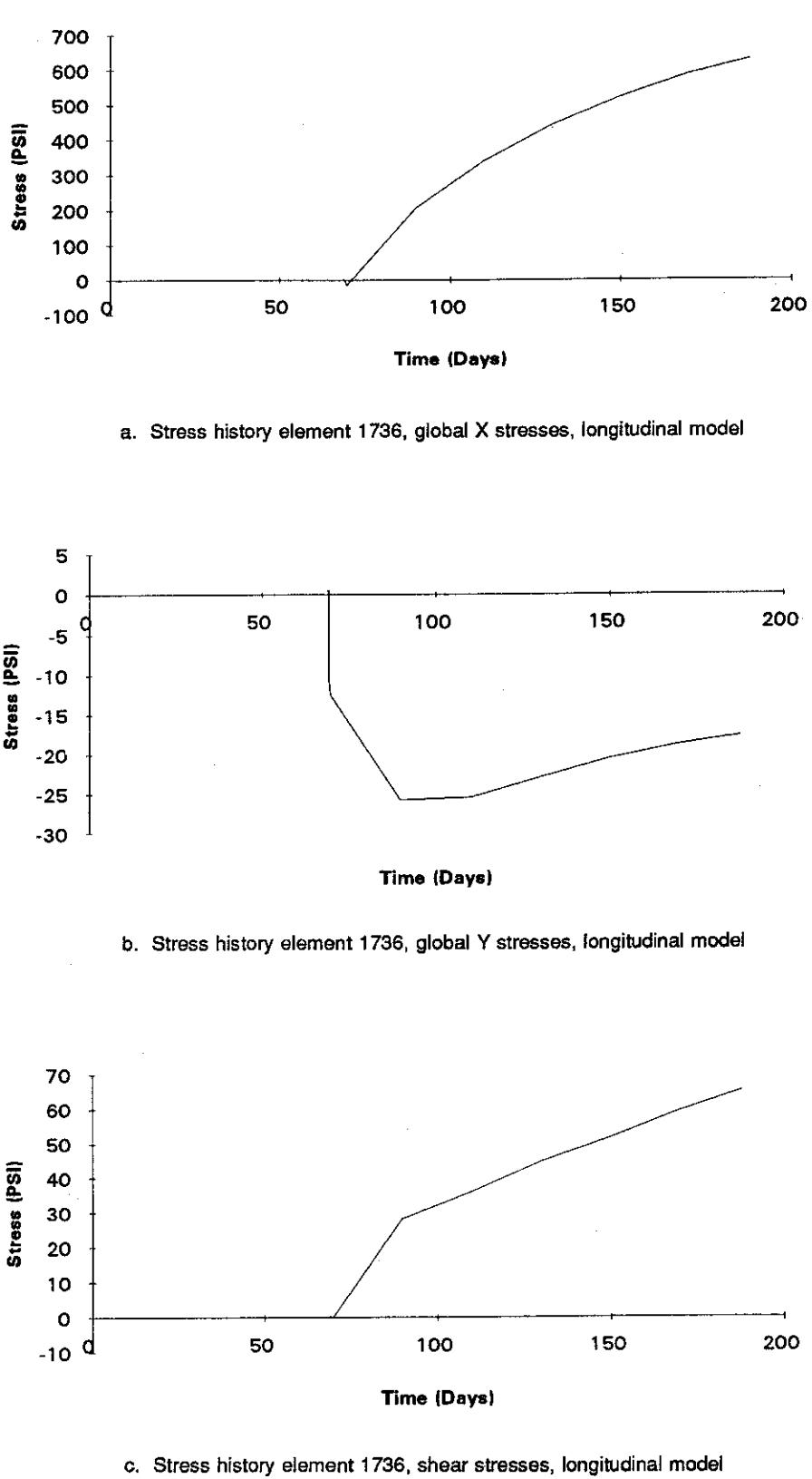
Figure 39.   Stress histories for elements, longitudinal model, element 1736
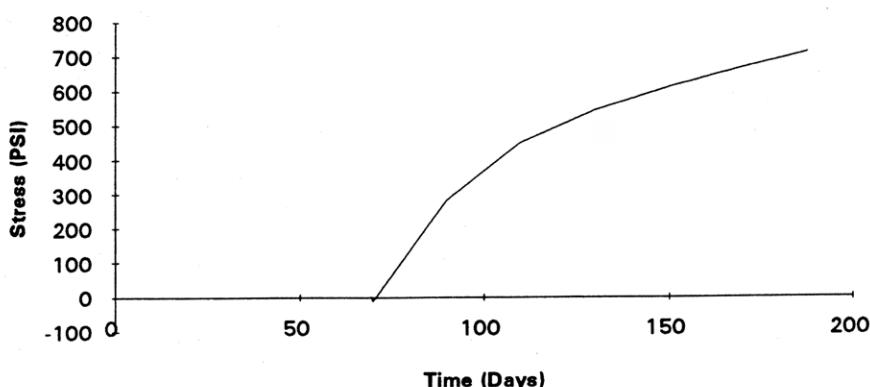
a. Stress history element 1796, global X stresses, longitudinal model
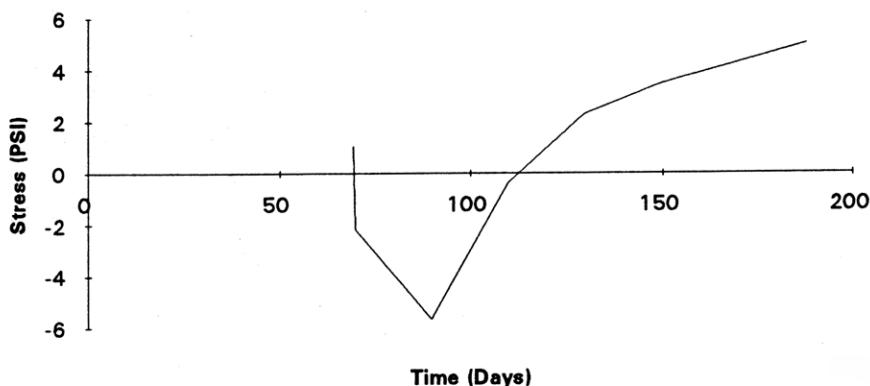
b. Stress history element 1796, global Y stresses, longitudinal model
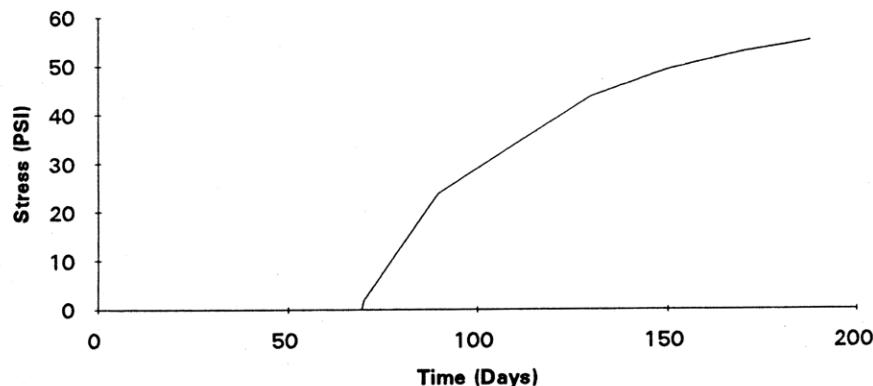
c. Stress history element 1796, shear stresses, longitudinal model

Figure 40.   Stress histories for elements, longitudinal model, element 1796