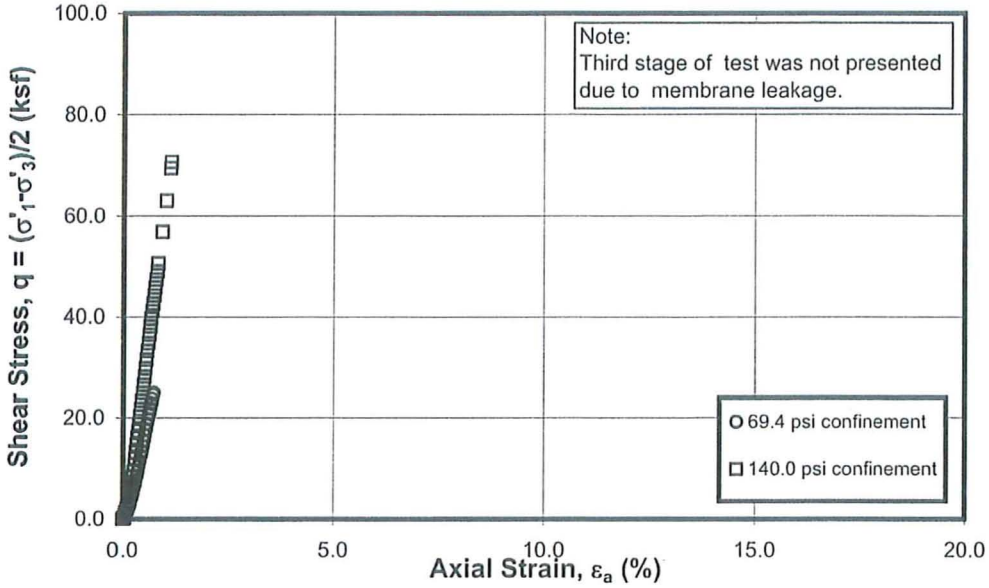
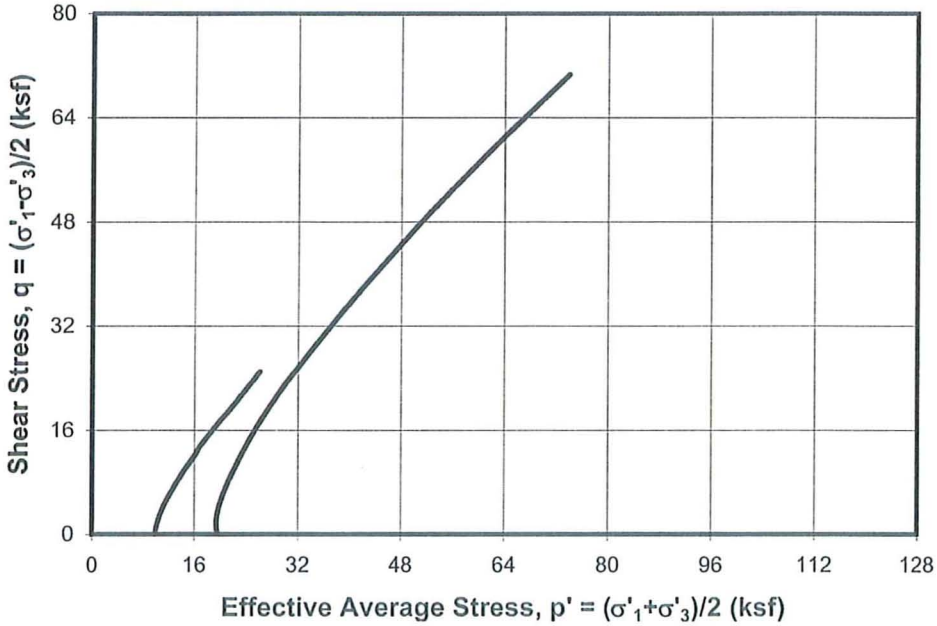
APPENDIX D-1

Consolidated-Undrained Triaxial Test with Pore Water Pressure Measurements Results

APPENDIX D-1





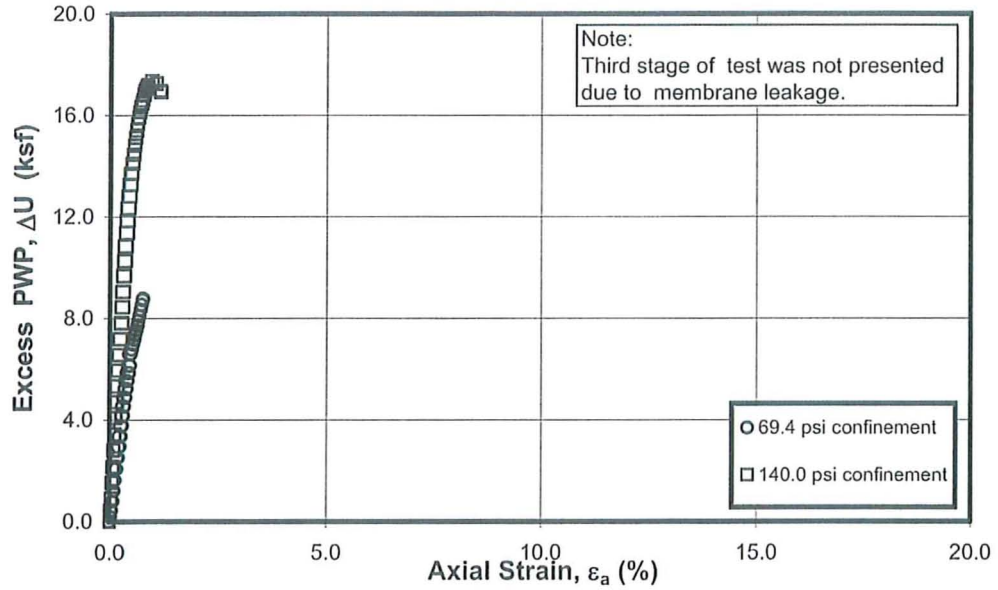
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

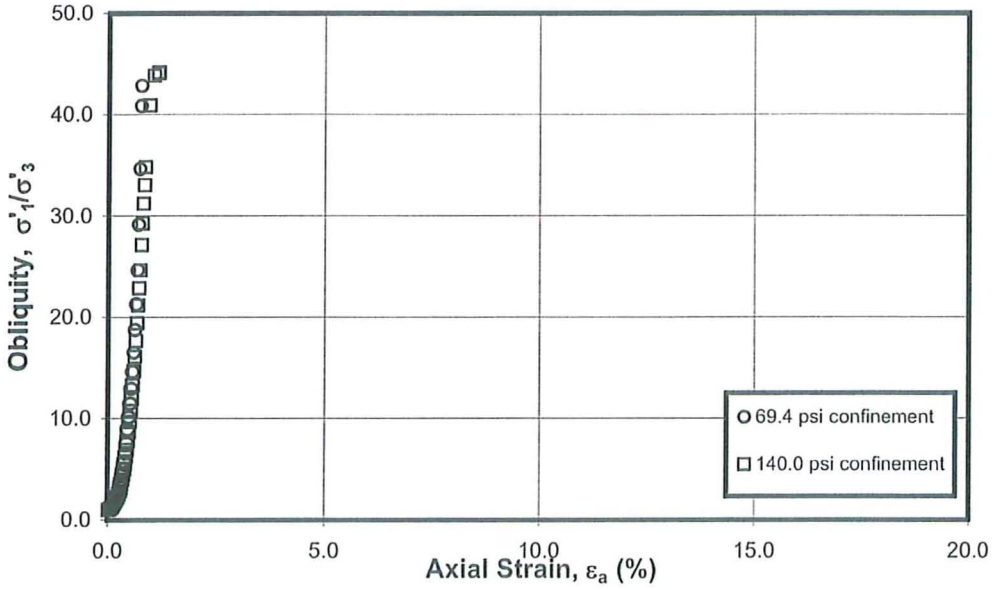
Isotropically Consolidated

Sample: 30 - Depth: 134.60 ft

Boring B-1002

APPENDIX D-1





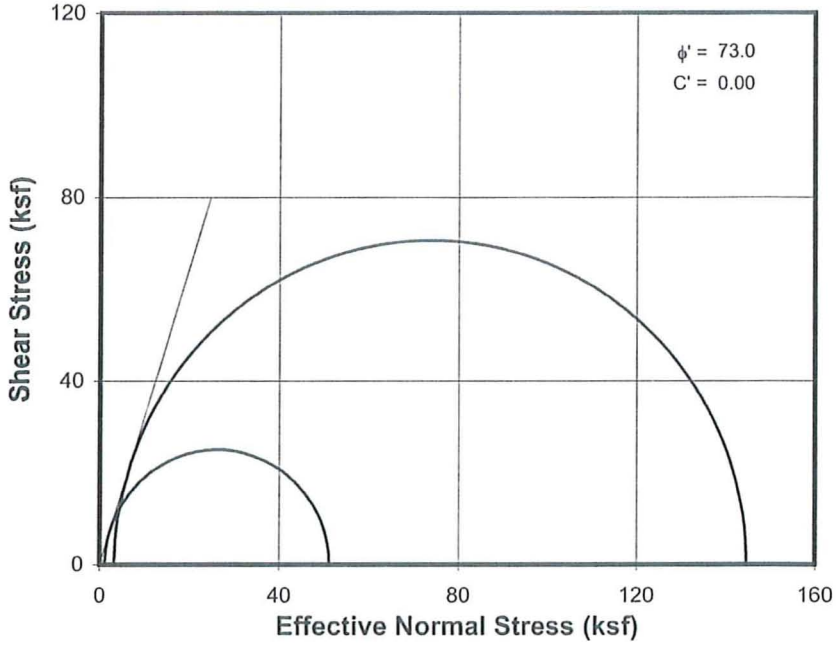
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

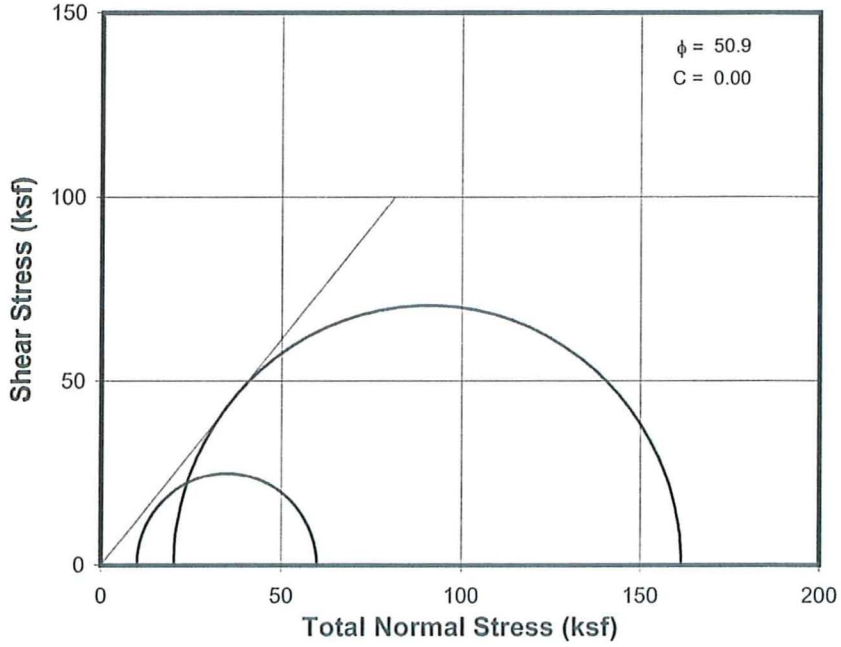
Isotropically Consolidated

Sample: 30 - Depth: 134.60 ft

Boring B-1002

APPENDIX D-1





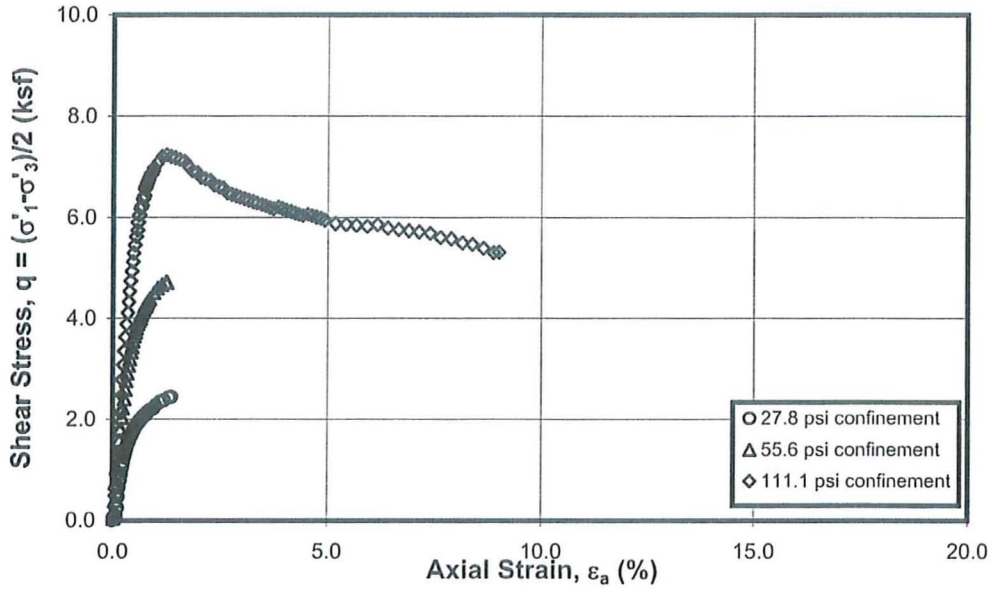
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

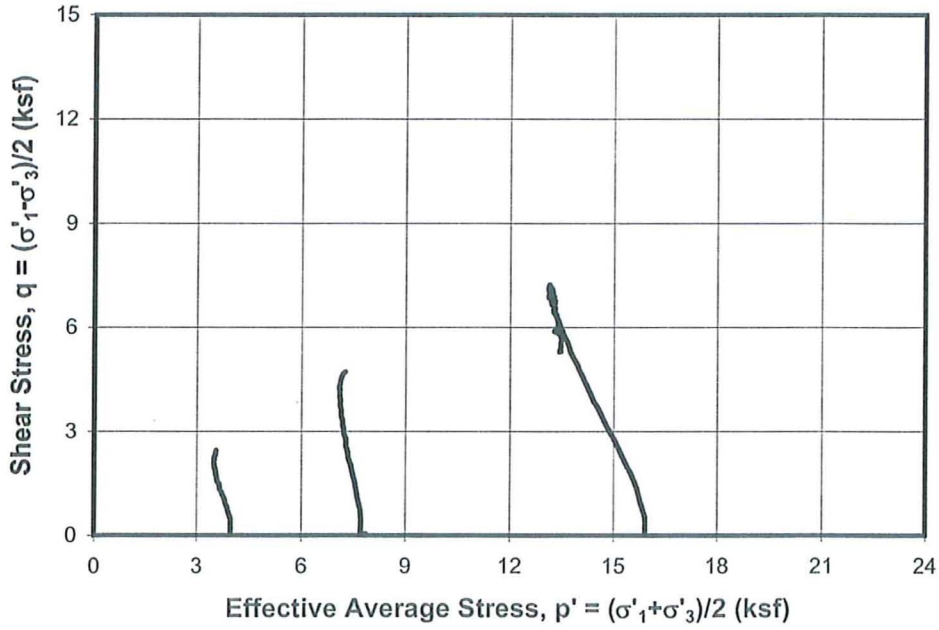
Isotropically Consolidated- Mohr's Circles

Sample: 30 - Depth: 134.60 ft

Boring B-1002

APPENDIX D-1





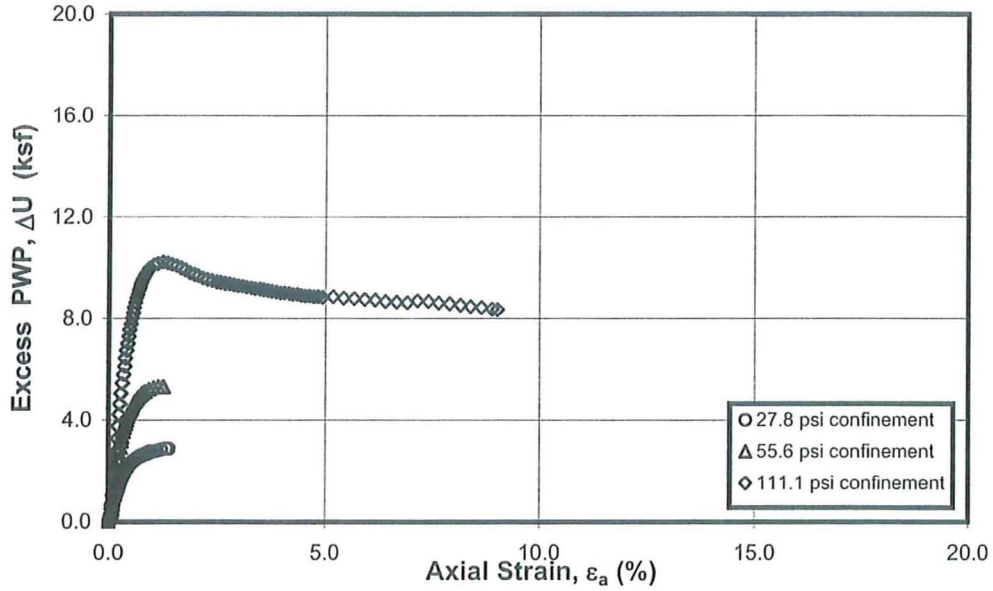
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

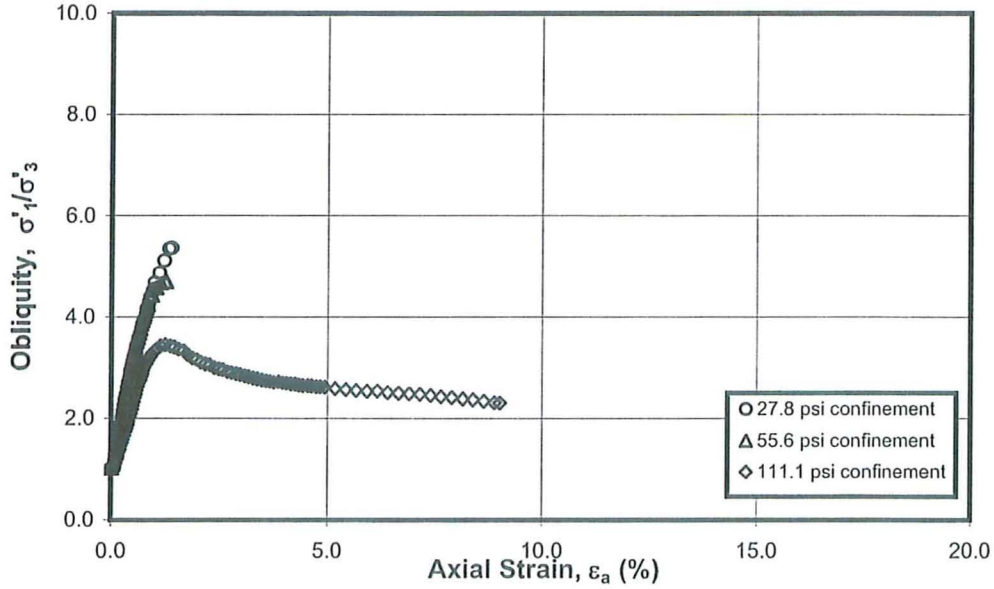
Isotropically Consolidated

Sample: 13 - Depth: 51.70 ft

Boring B-1029

APPENDIX D-1





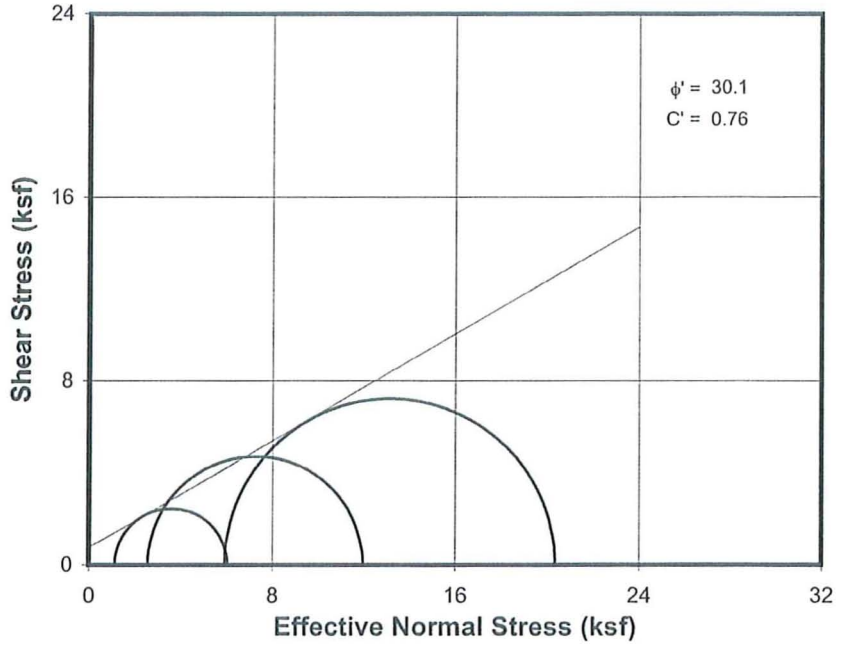
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

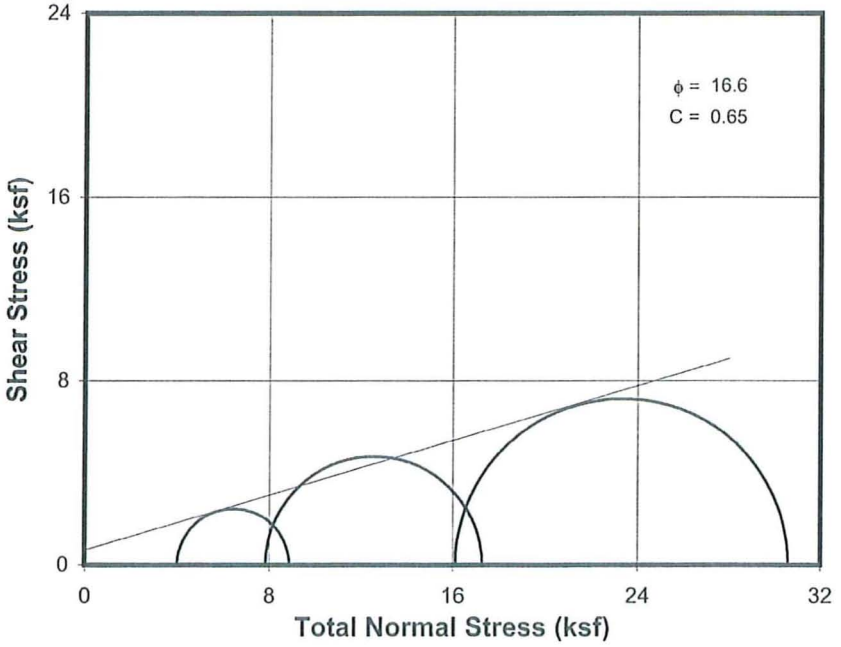
Isotropically Consolidated

Sample: 13 - Depth: 51.70 ft

Boring B-1029

APPENDIX D-1





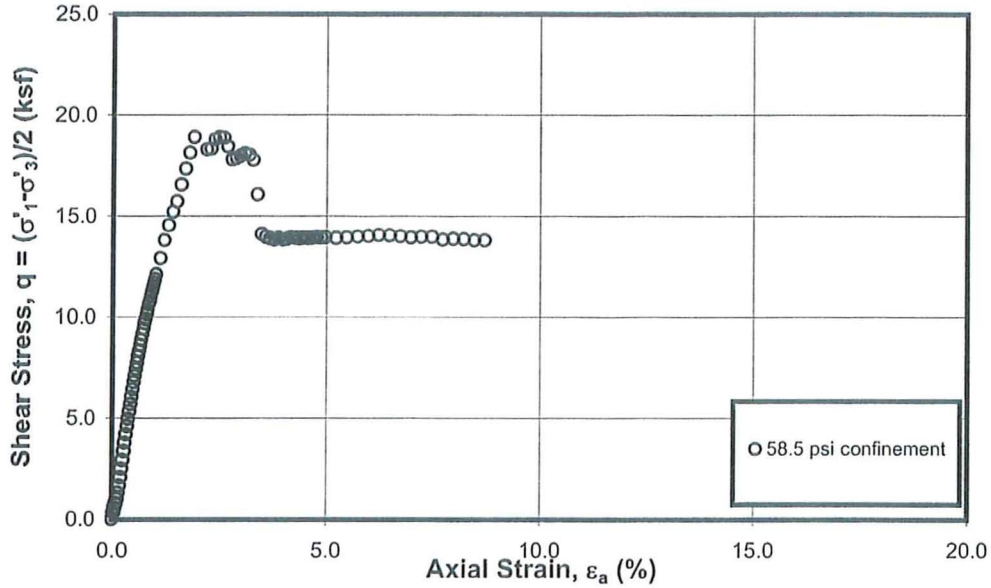
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

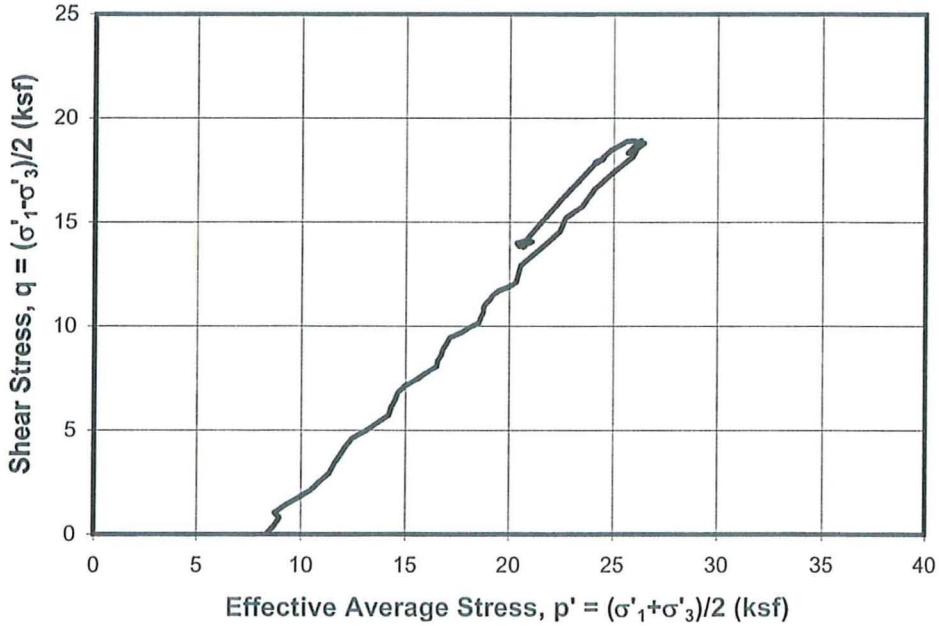
Isotropically Consolidated- Mohr's Circles

Sample: 13 - Depth: 51.70 ft

Boring B-1029

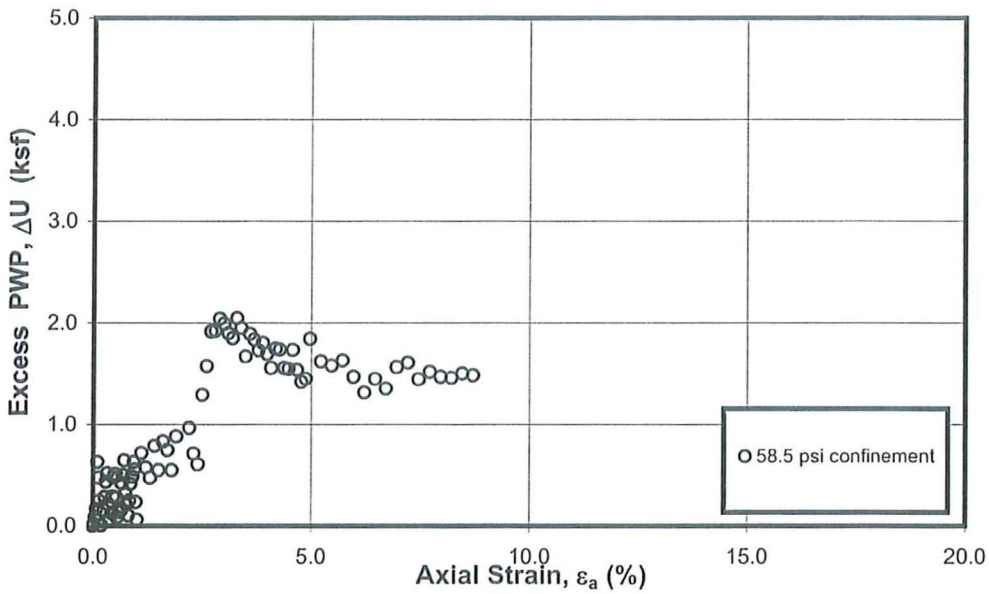
APPENDIX D-1

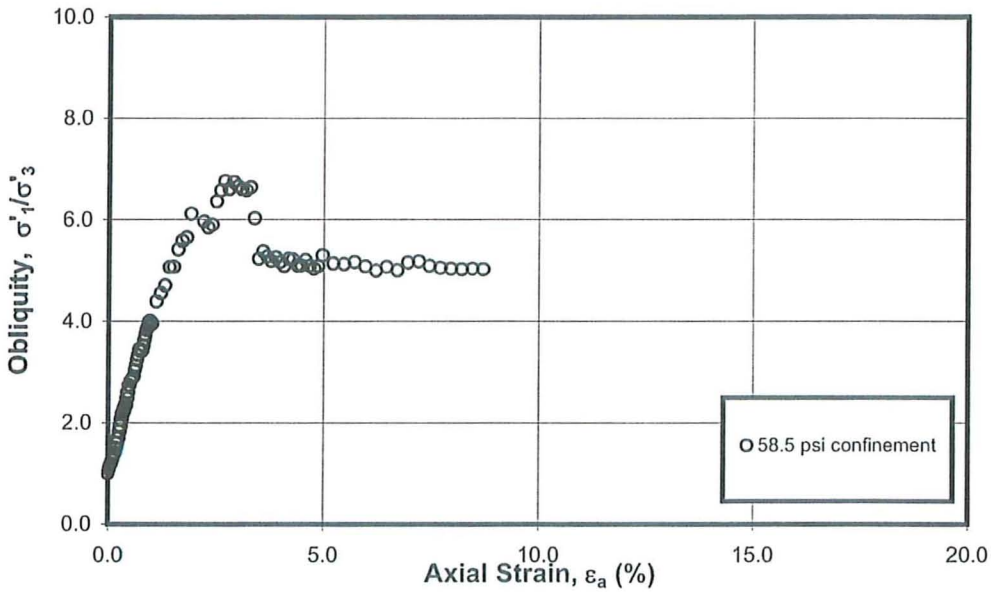




UNDRAINED TRIAXIAL COMPRESSION TEST
Isotropically Consolidated
Sample: 16 - Depth: 58.10 ft
Boring -1038

APPENDIX D-1





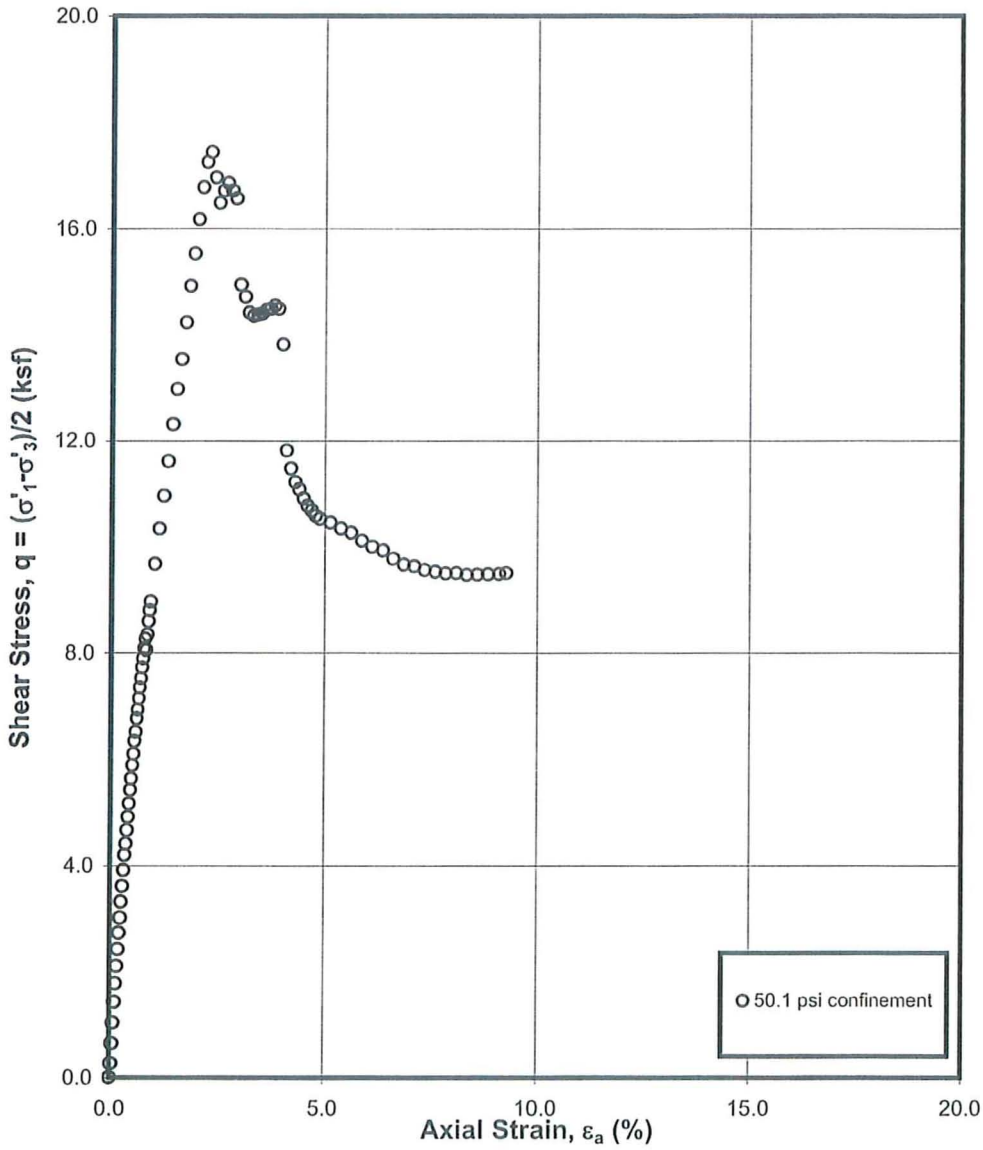
UNDRAINED TRIAXIAL COMPRESSION TEST

Isotropically Consolidated

Sample: 16 - Depth: 58.10 ft

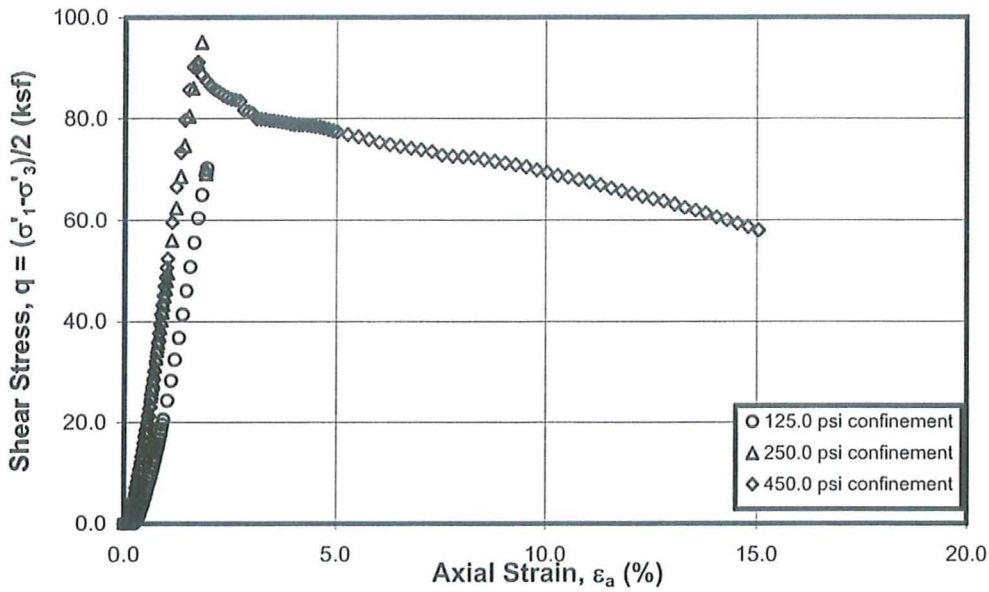
Boring -1038

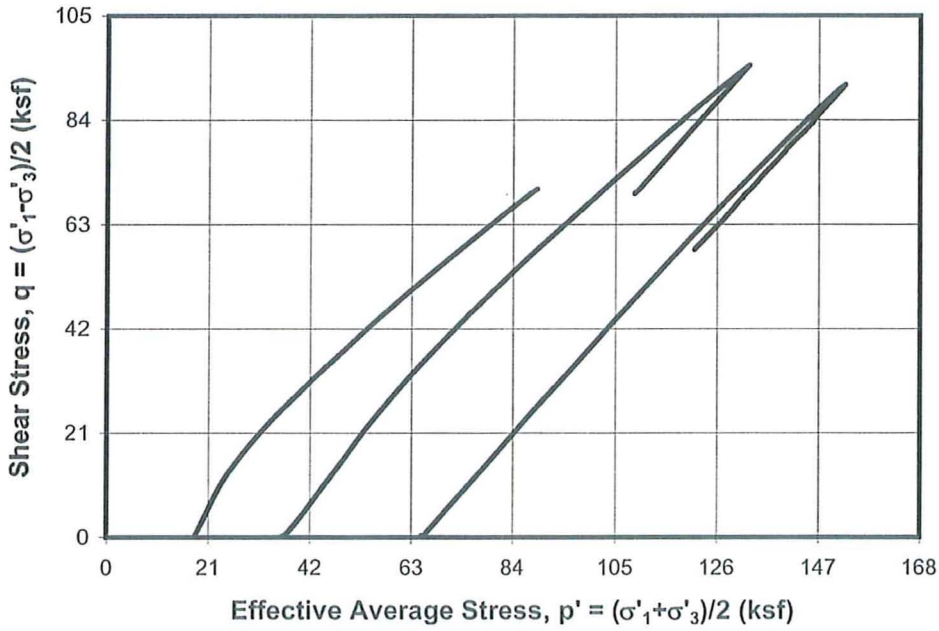
APPENDIX D-1



UNDRAINED TRIAXIAL COMPRESSION TEST
Isotropically Consolidated
Sample: 7 - Depth: 49.80 ft
Boring B-2000

APPENDIX D-1





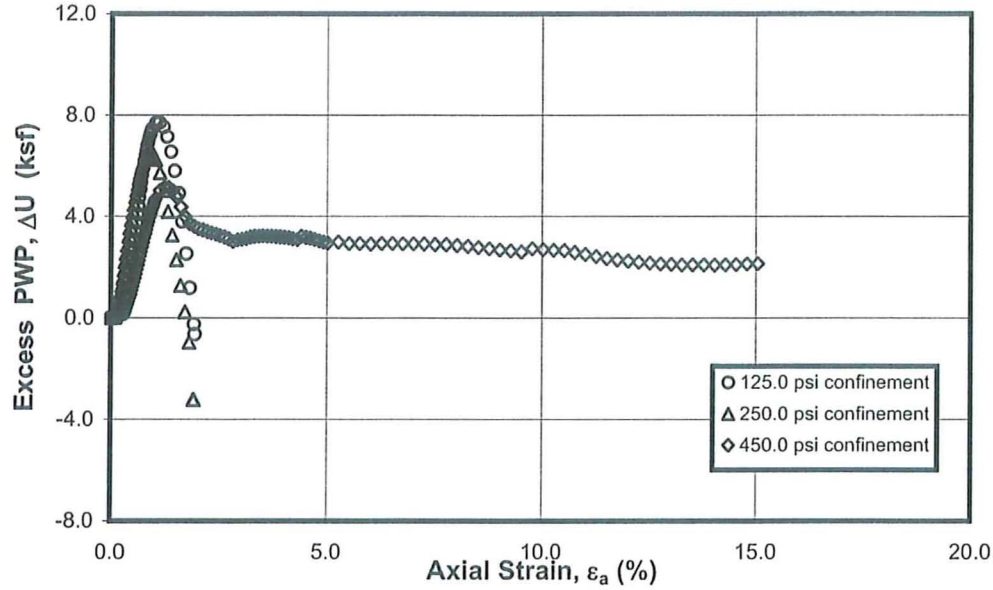
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

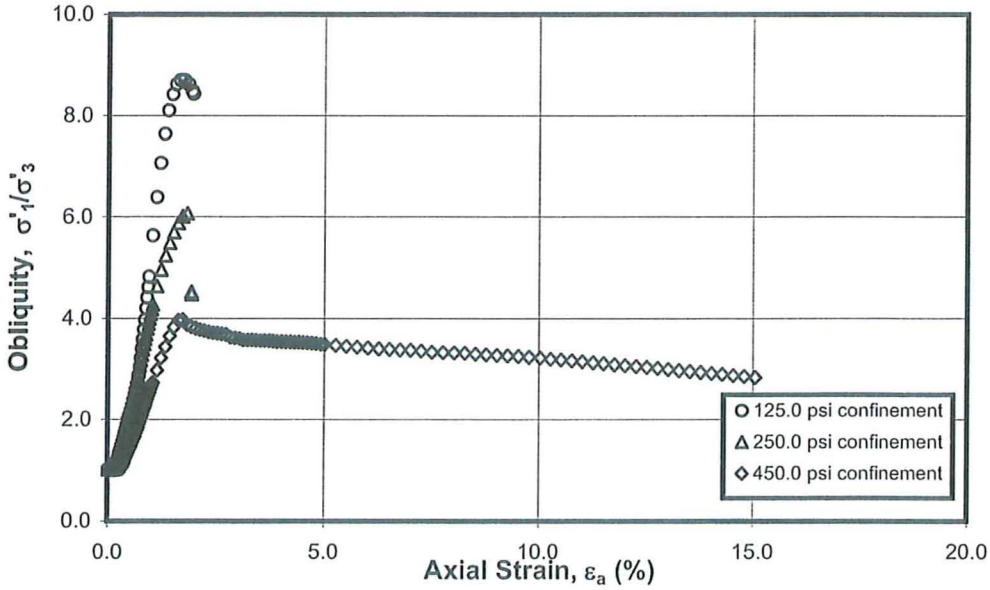
Isotropically Consolidated

Sample: 35 - Depth: 226.60 ft

Boring B-2003

APPENDIX D-1





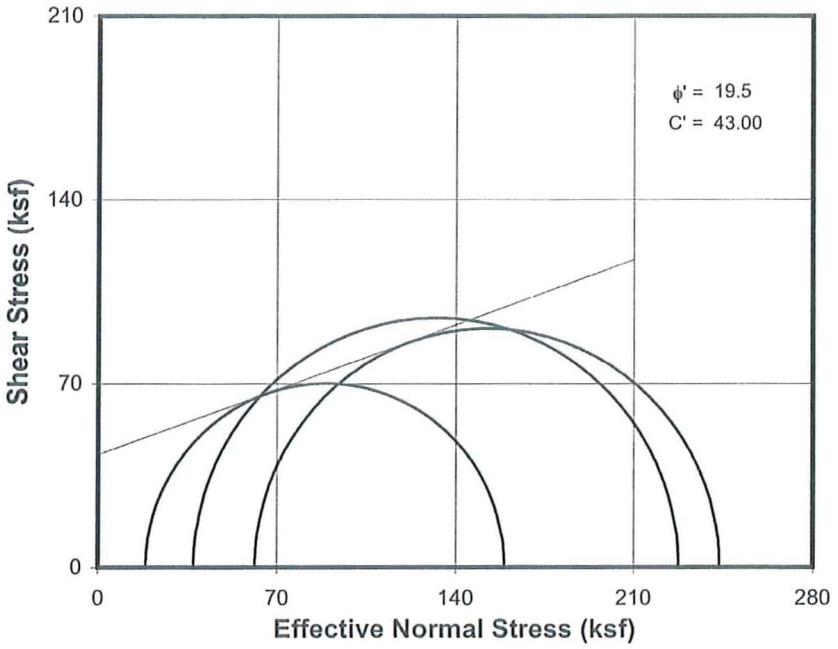
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

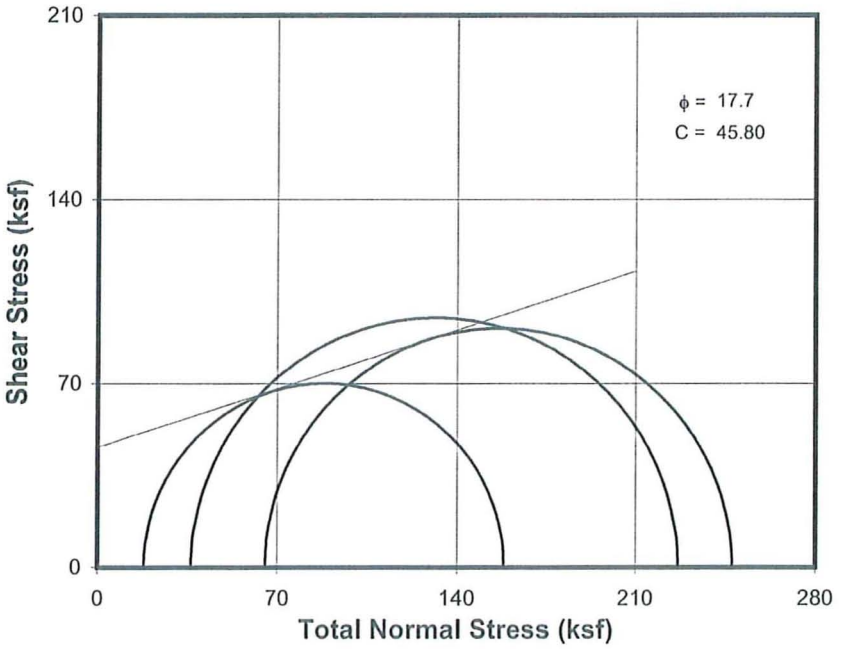
Isotropically Consolidated

Sample: 35 - Depth: 226.60 ft

Boring B-2003

APPENDIX D-1





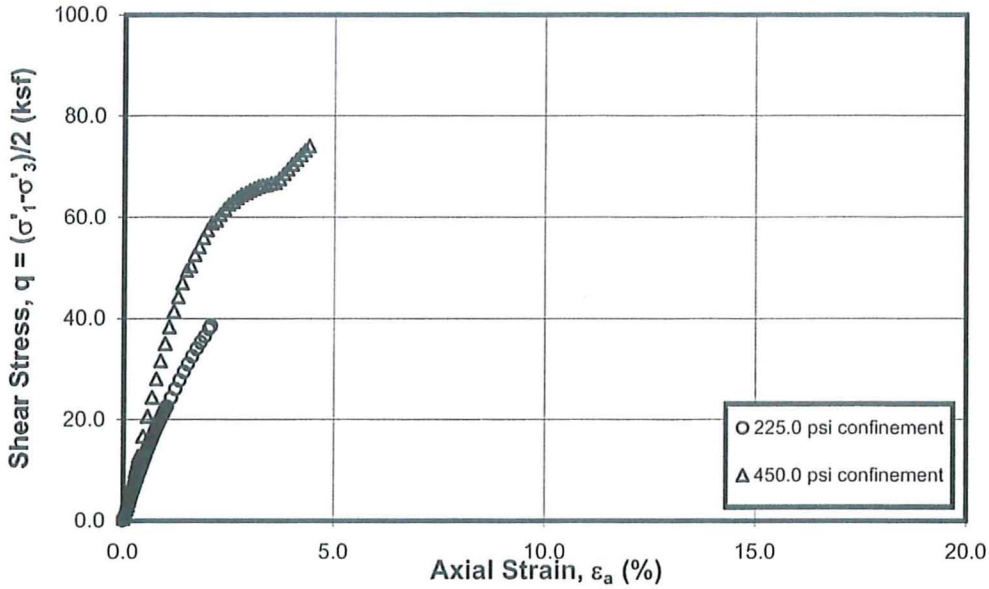
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

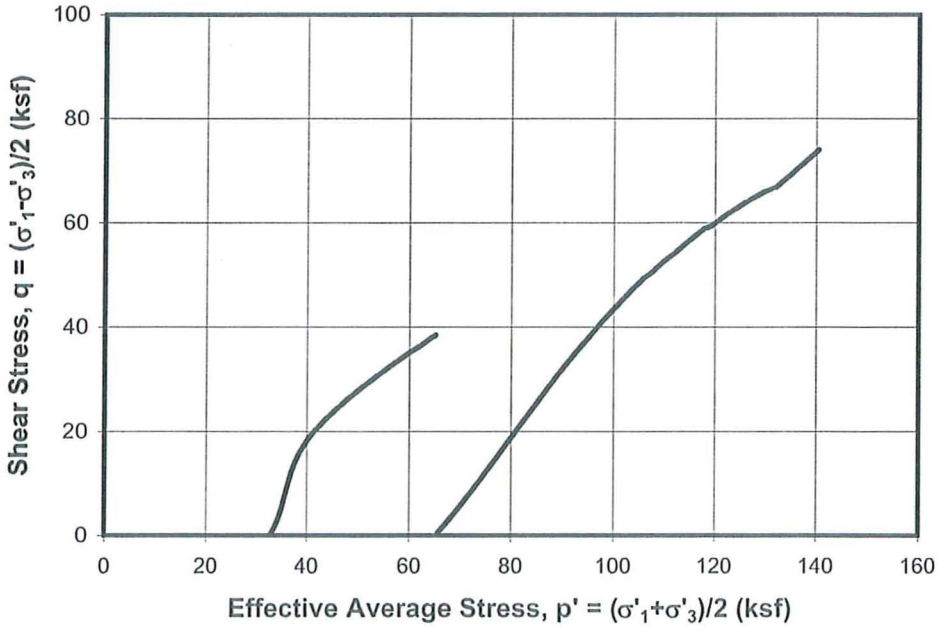
Isotropically Consolidated- Mohr's Circles

Sample: 35 - Depth: 226.60 ft

Boring B-2003

APPENDIX D-1





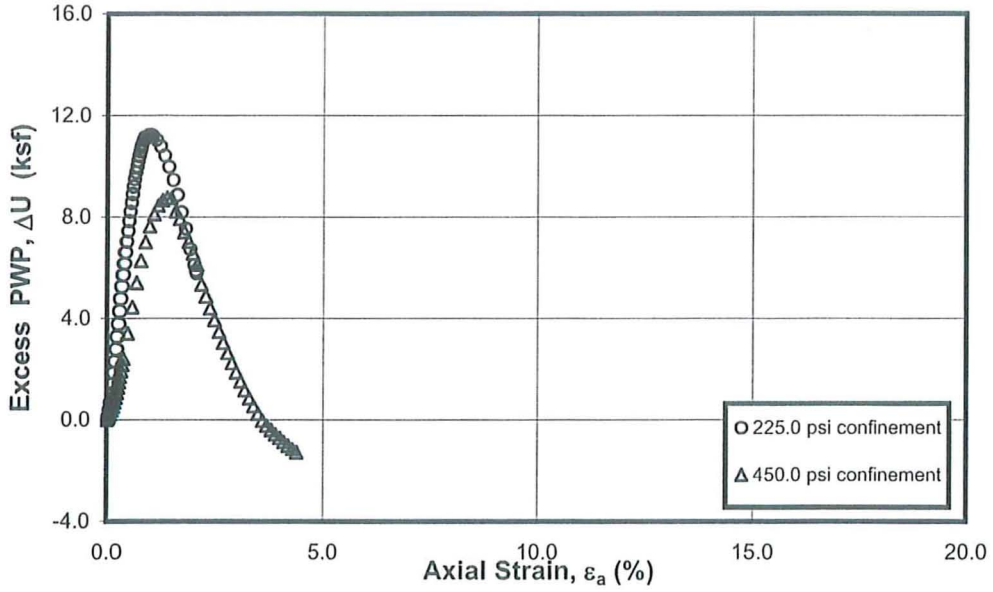
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

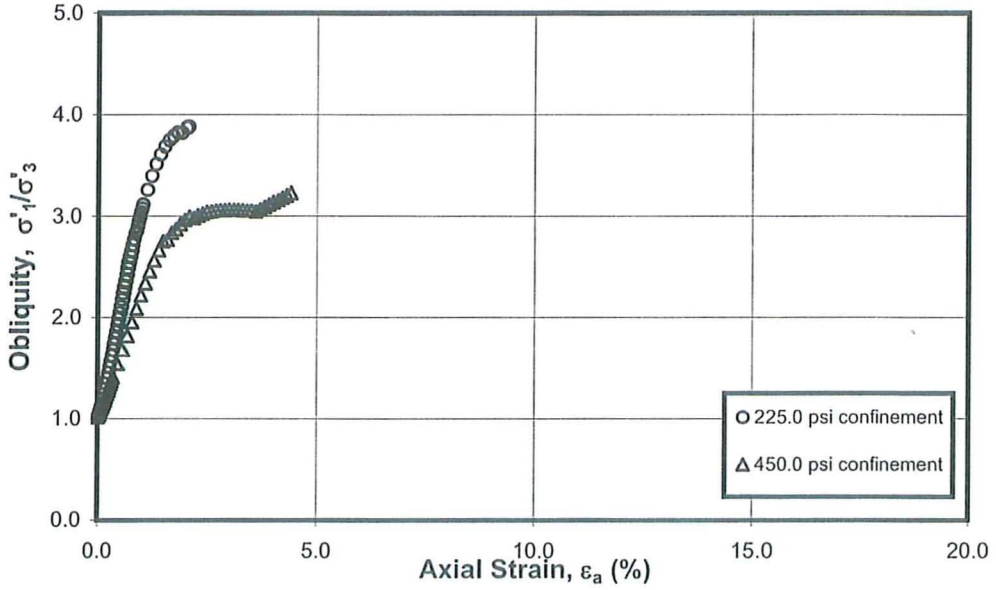
Isotropically Consolidated

Sample: 36 - Depth: 227.90 ft

Boring B-2003

APPENDIX D-1





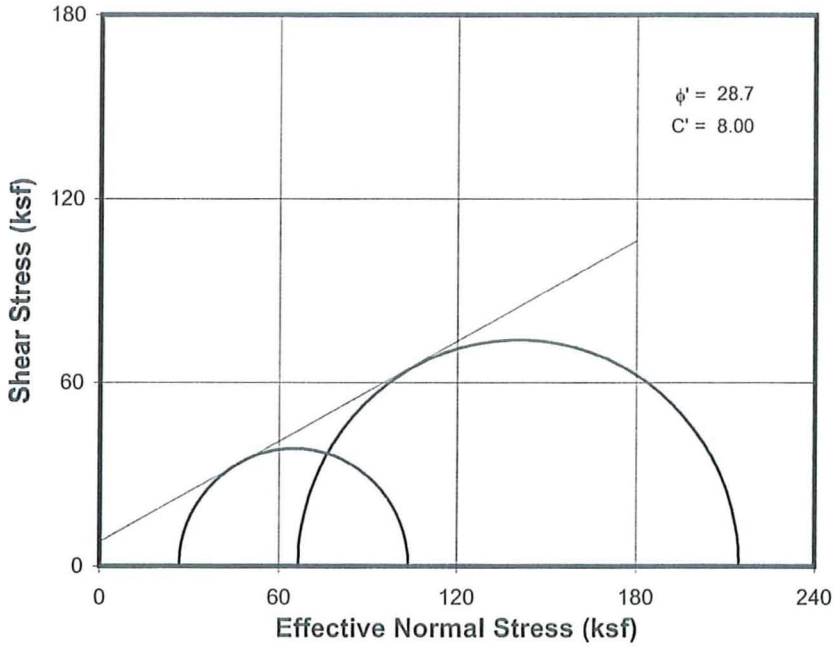
MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

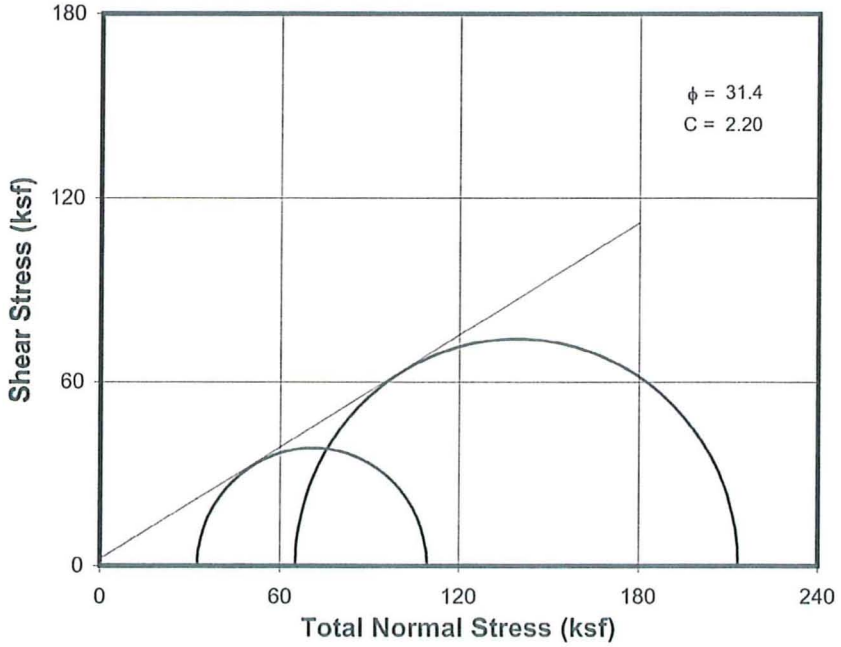
Isotropically Consolidated

Sample: 36 - Depth: 227.90 ft

Boring B-2003

APPENDIX D-1





MULTI STAGE UNDRAINED TRIAXIAL COMPRESSION TEST

Isotropically Consolidated- Mohr's Circles

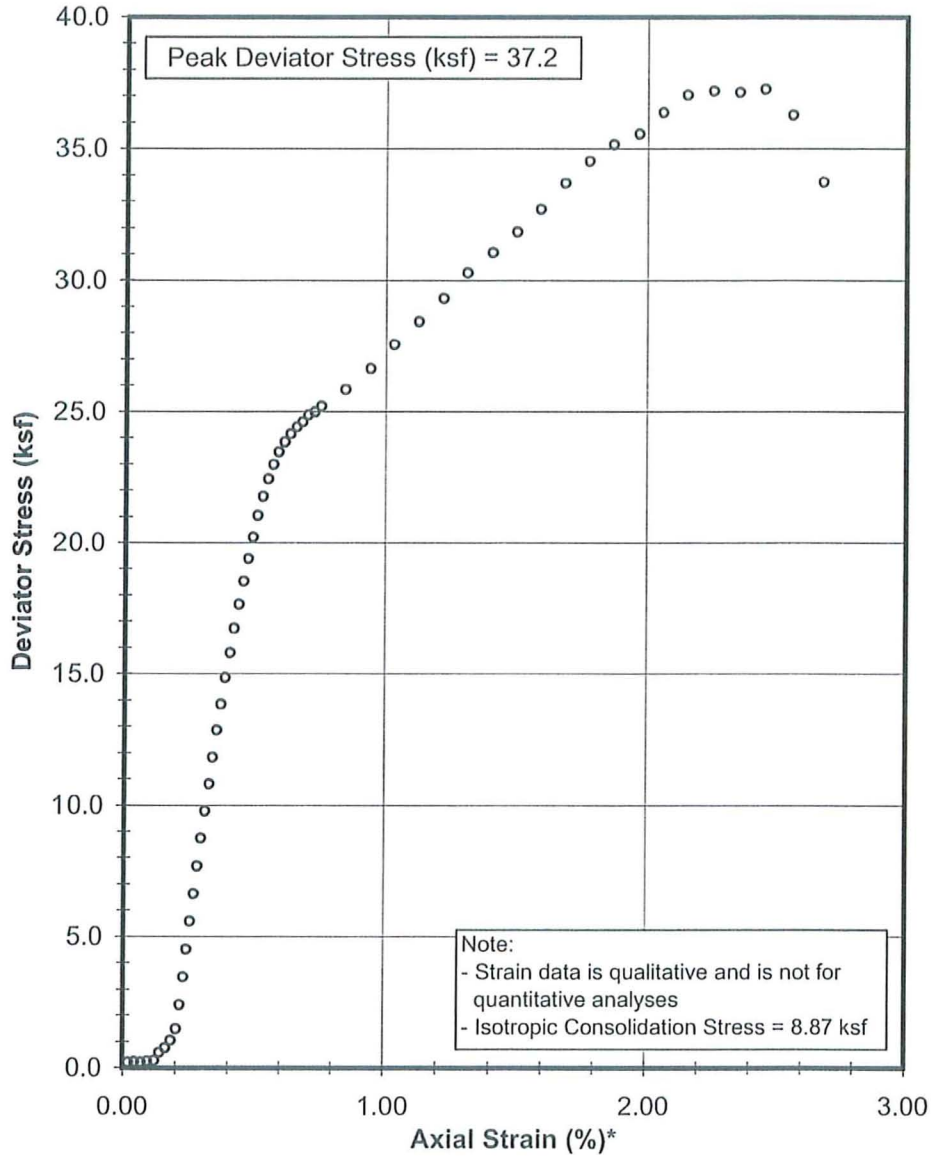
Sample: 36 - Depth: 227.90 ft

Boring B-2003

APPENDIX D-2

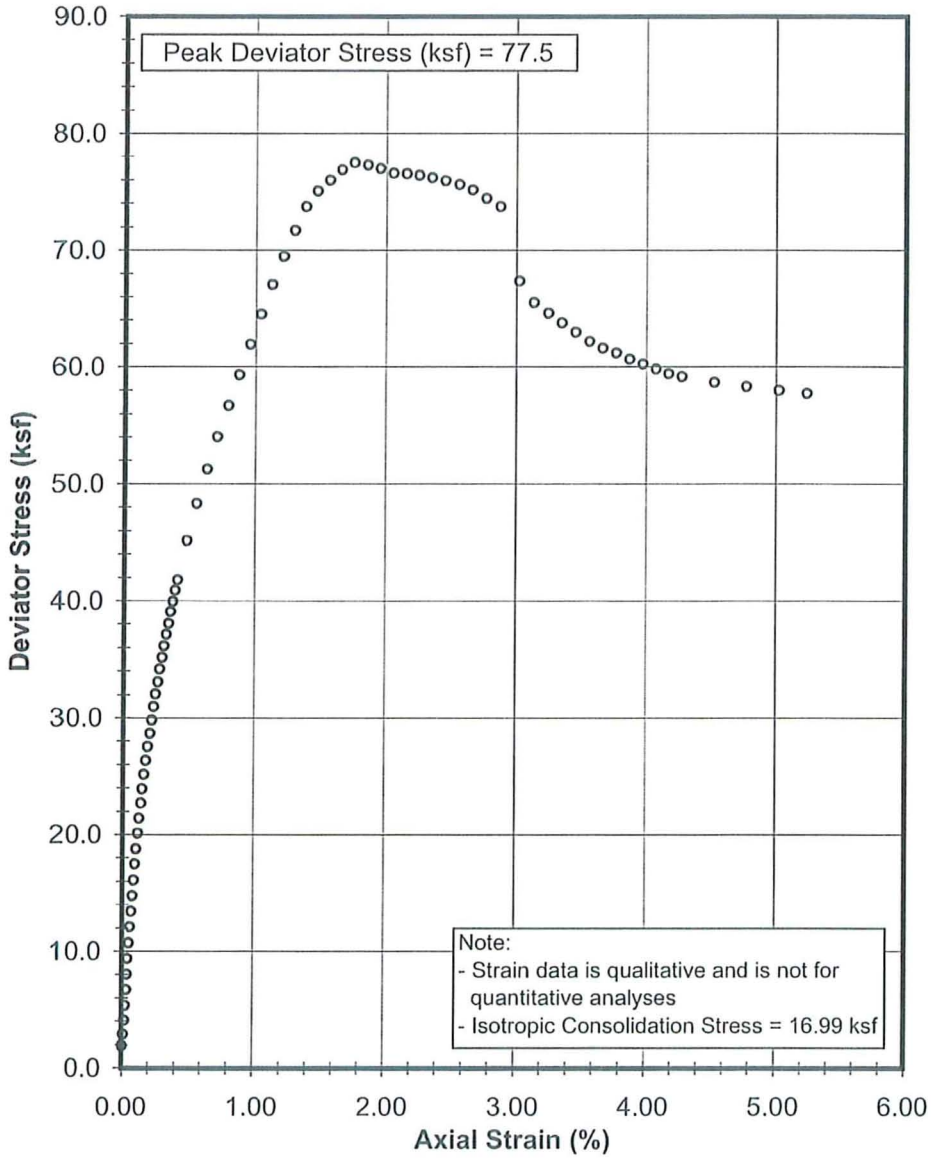
Consolidated-Undrained Triaxial Test without Pore Water Pressure Measurements Results

APPENDIX D-2



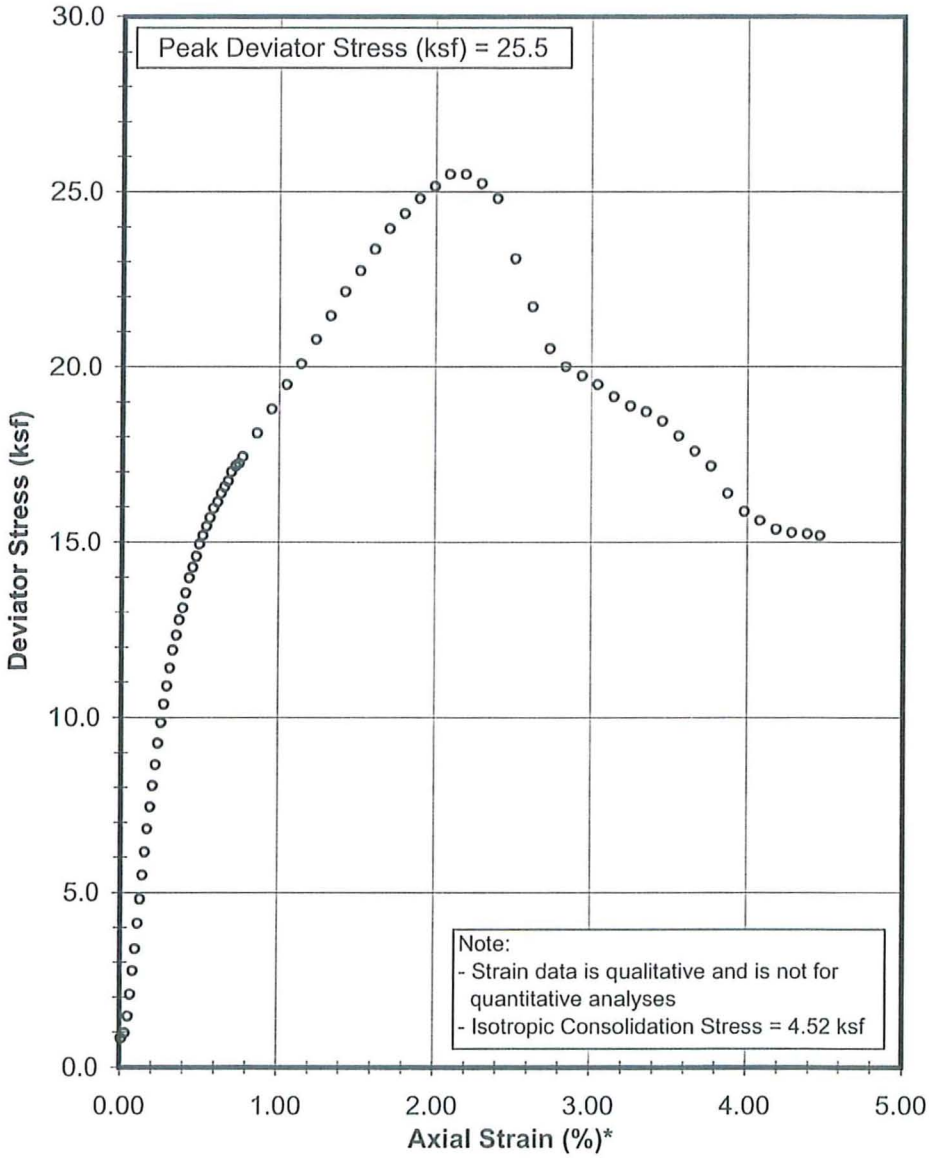
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 15 - Depth 61.0 ft
Boring B-1002

APPENDIX D-2



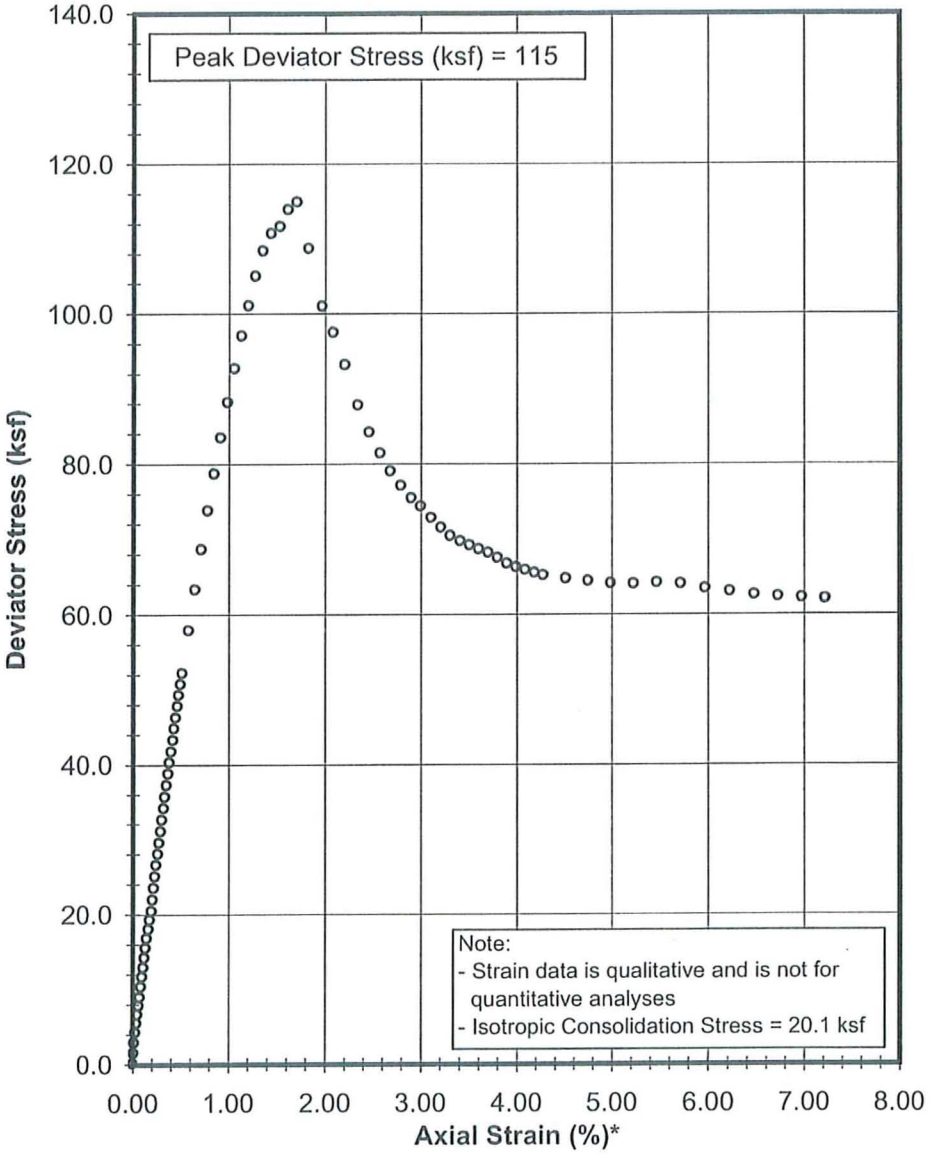
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 13 - Depth 59.0 ft
Boring B-1041

APPENDIX D-2



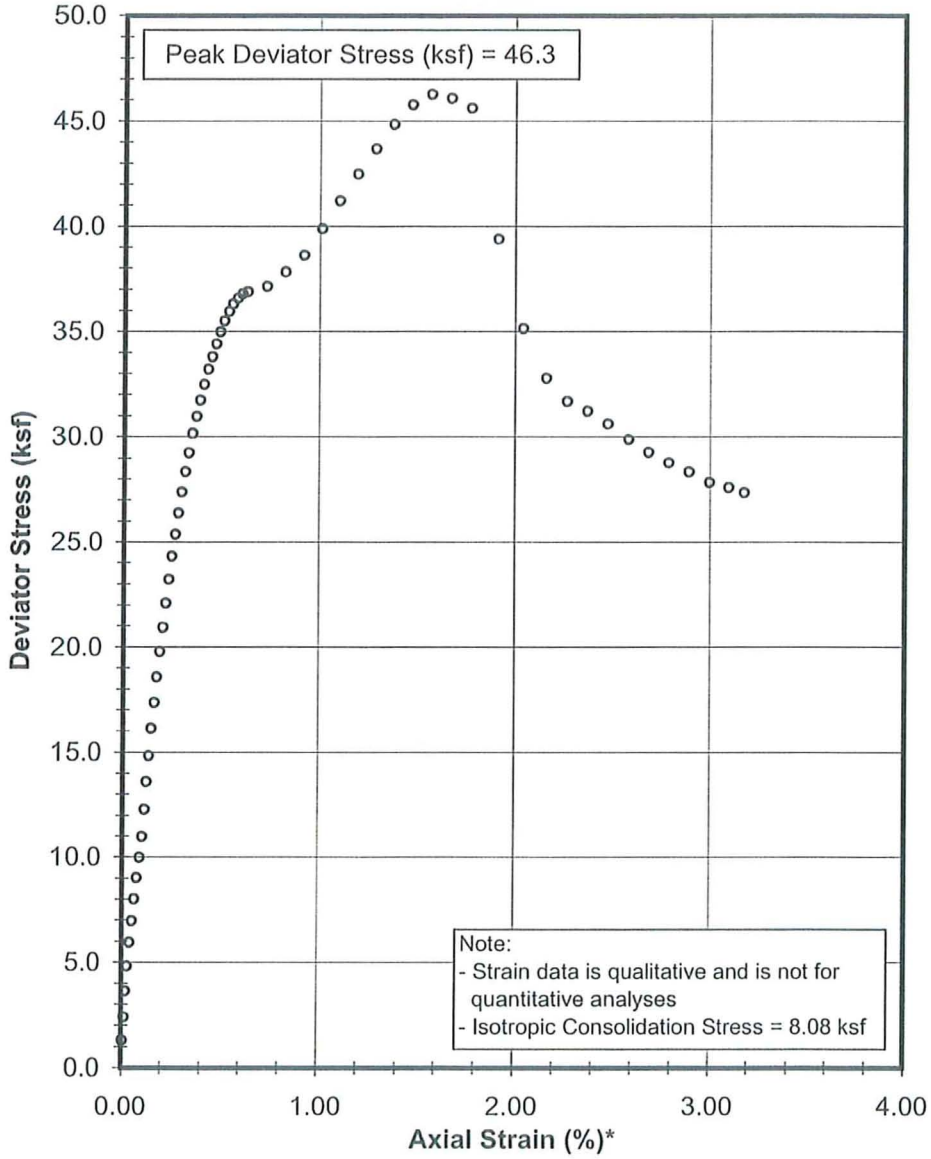
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 15d - Depth 61.9 ft
Boring B-1042

APPENDIX D-2



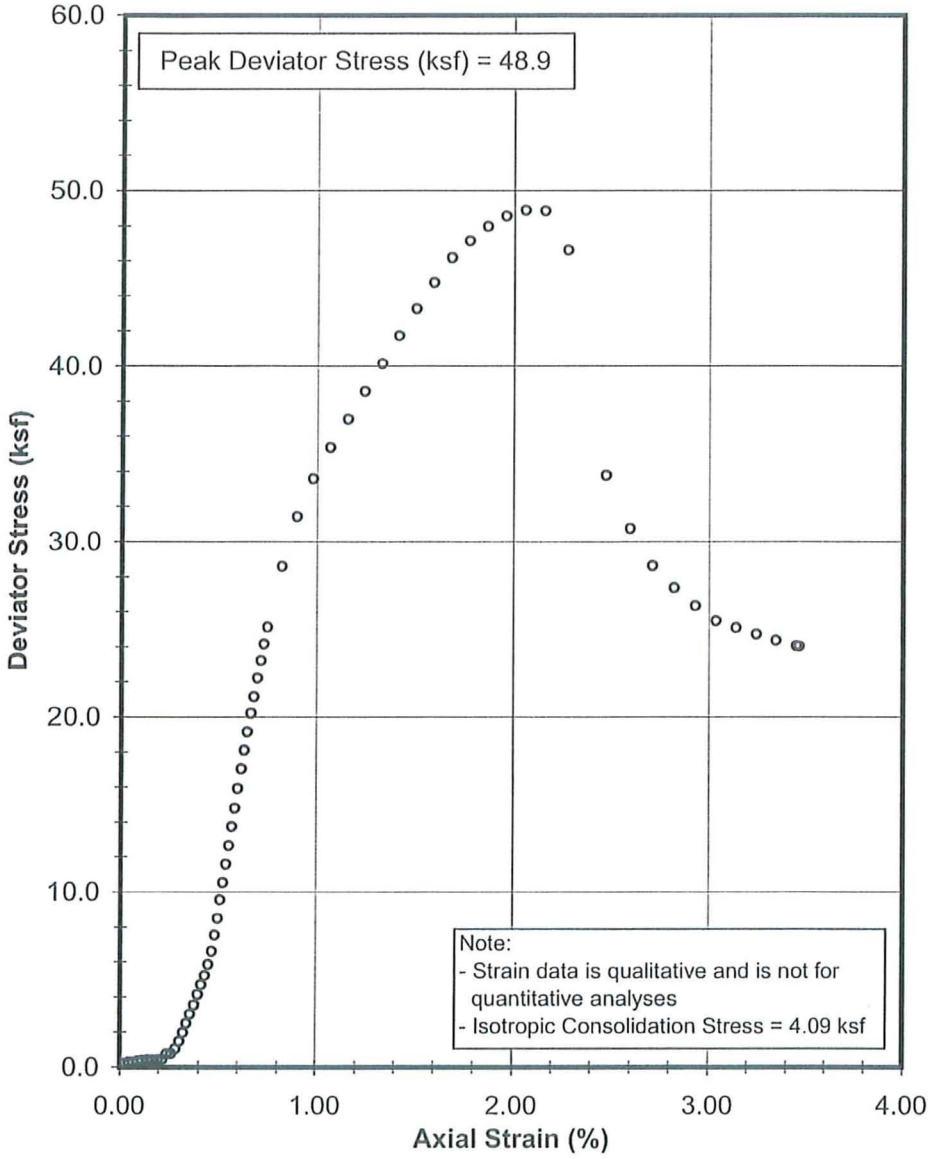
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 16 - Depth 73.8 ft
Boring B-1003

APPENDIX D-2



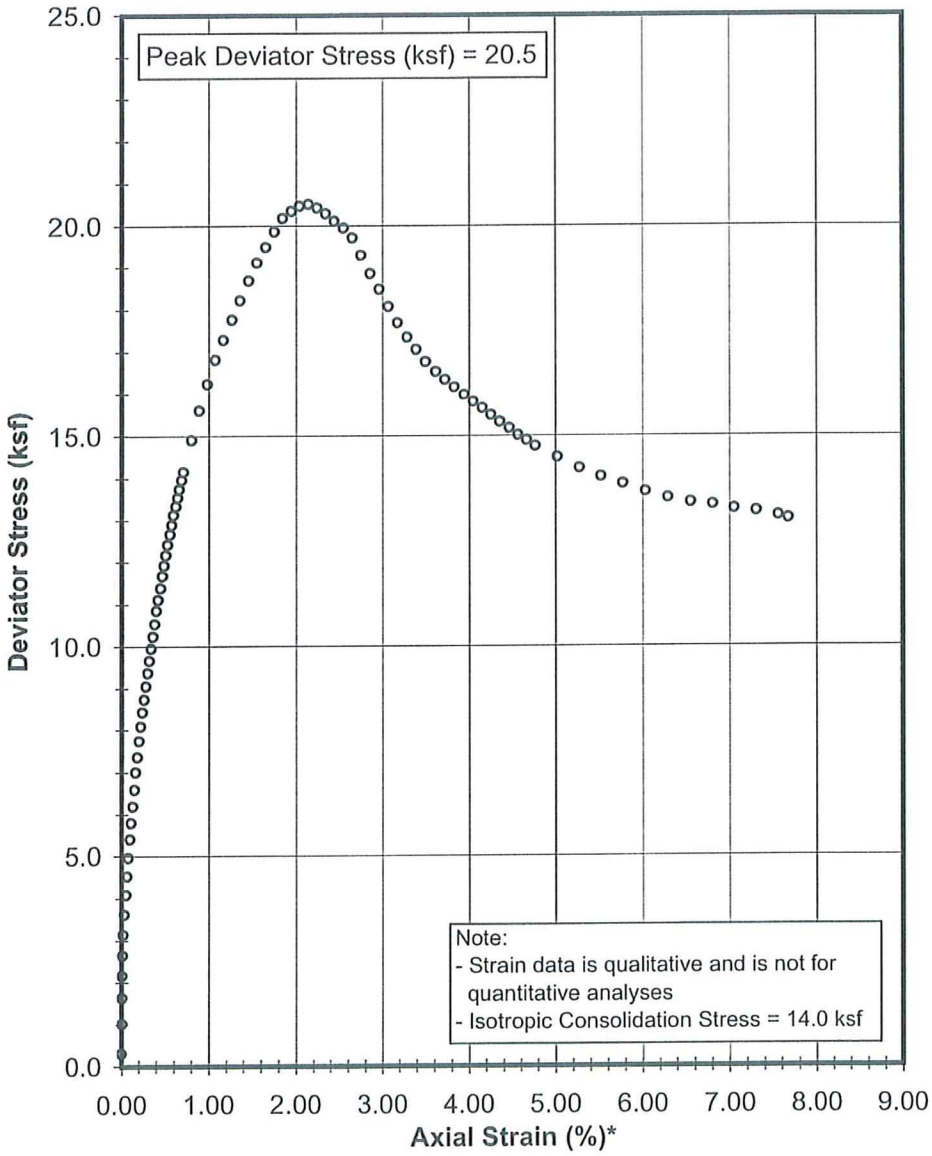
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 13 - Depth 55.6 ft
Boring B-1006

APPENDIX D-2



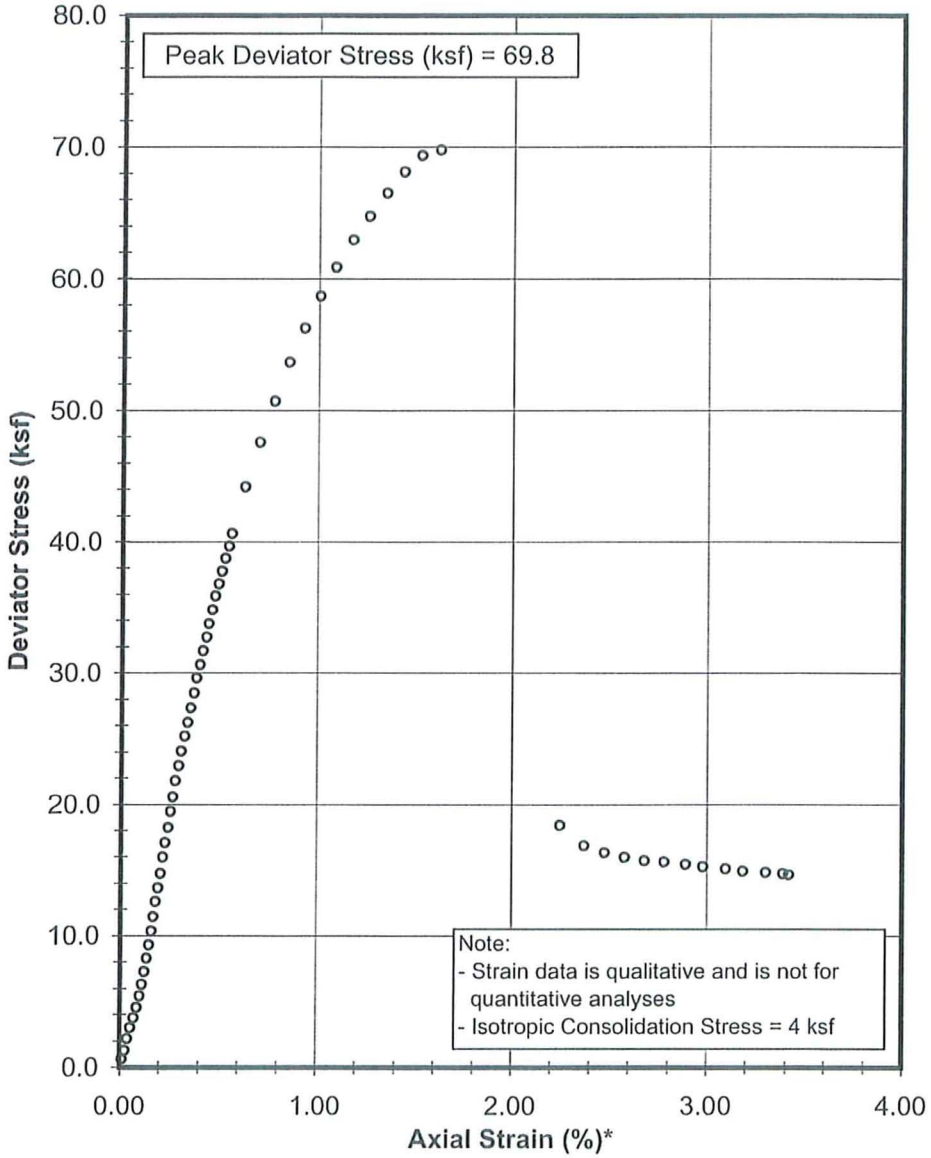
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 14 - Depth 56.1 ft
Boring B-1006

APPENDIX D-2



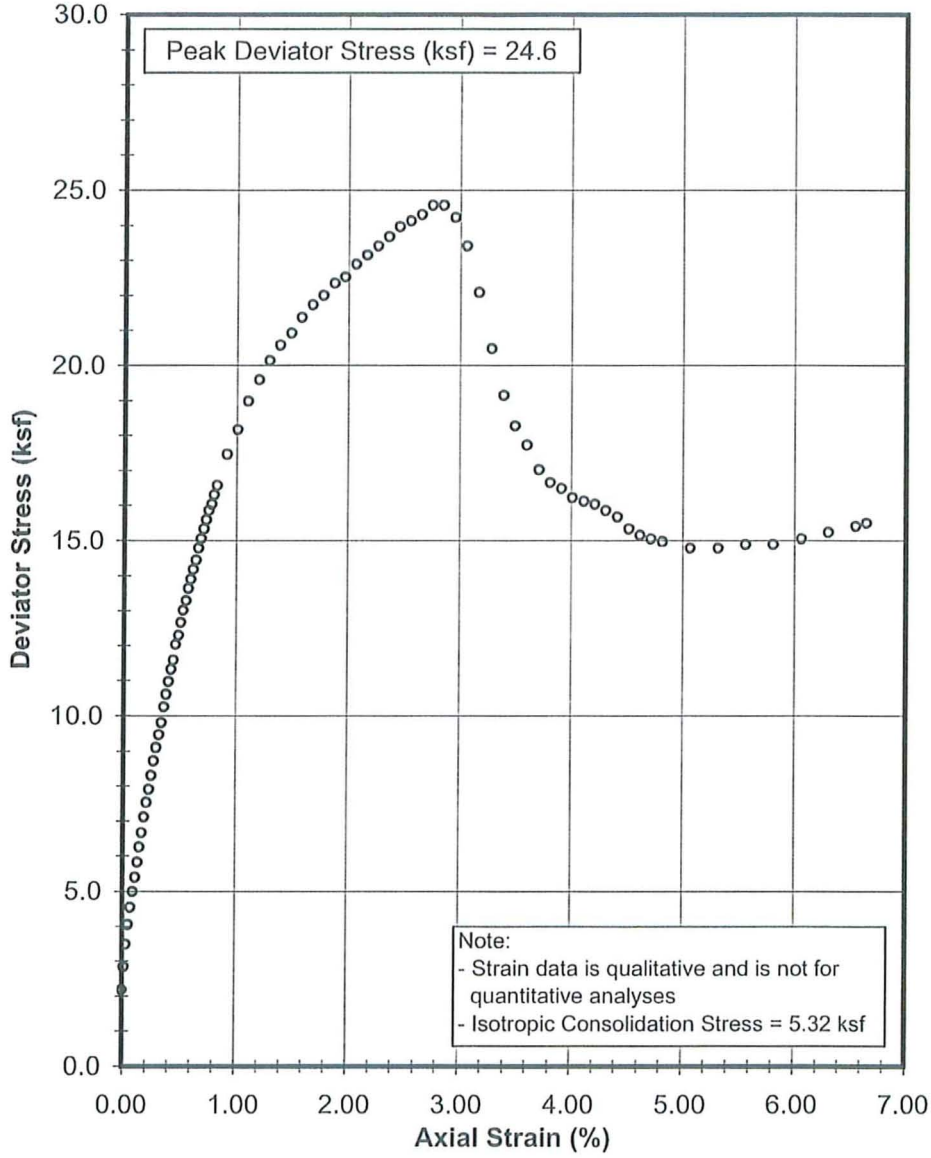
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 14 - Depth 46.2 ft
Boring B-1038

APPENDIX D-2



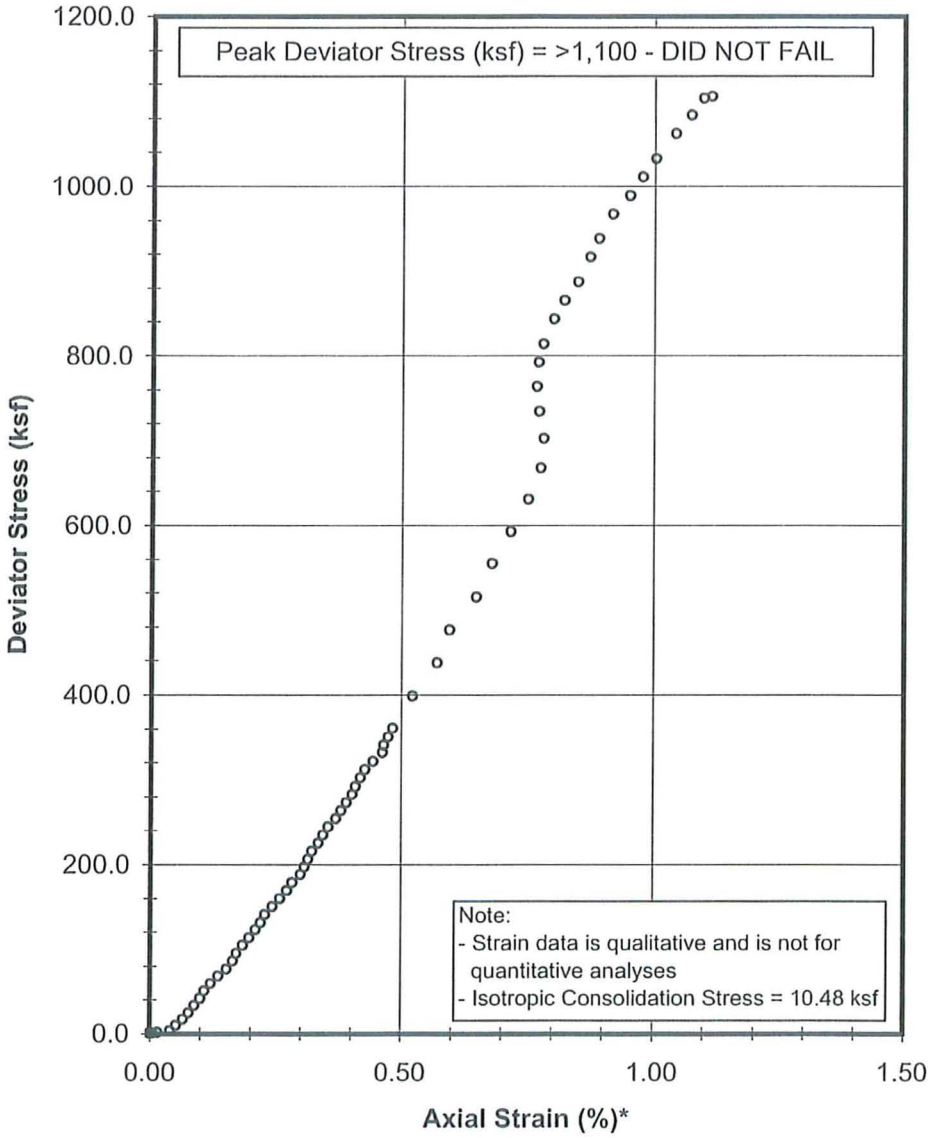
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 15a - Depth 90.9 ft
Boring B-1042

APPENDIX D-2



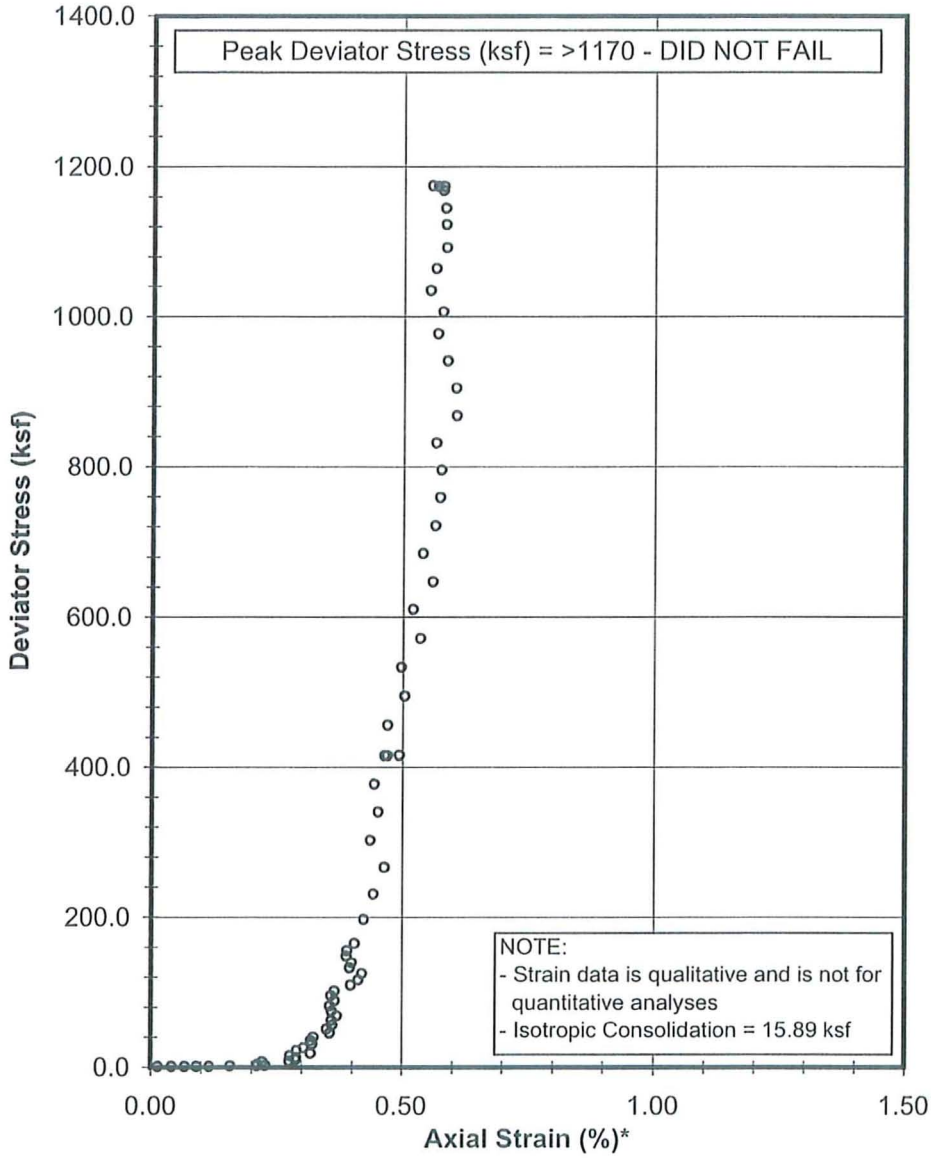
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 12 - Depth 36.6 ft
Boring B-2042a

APPENDIX D-2



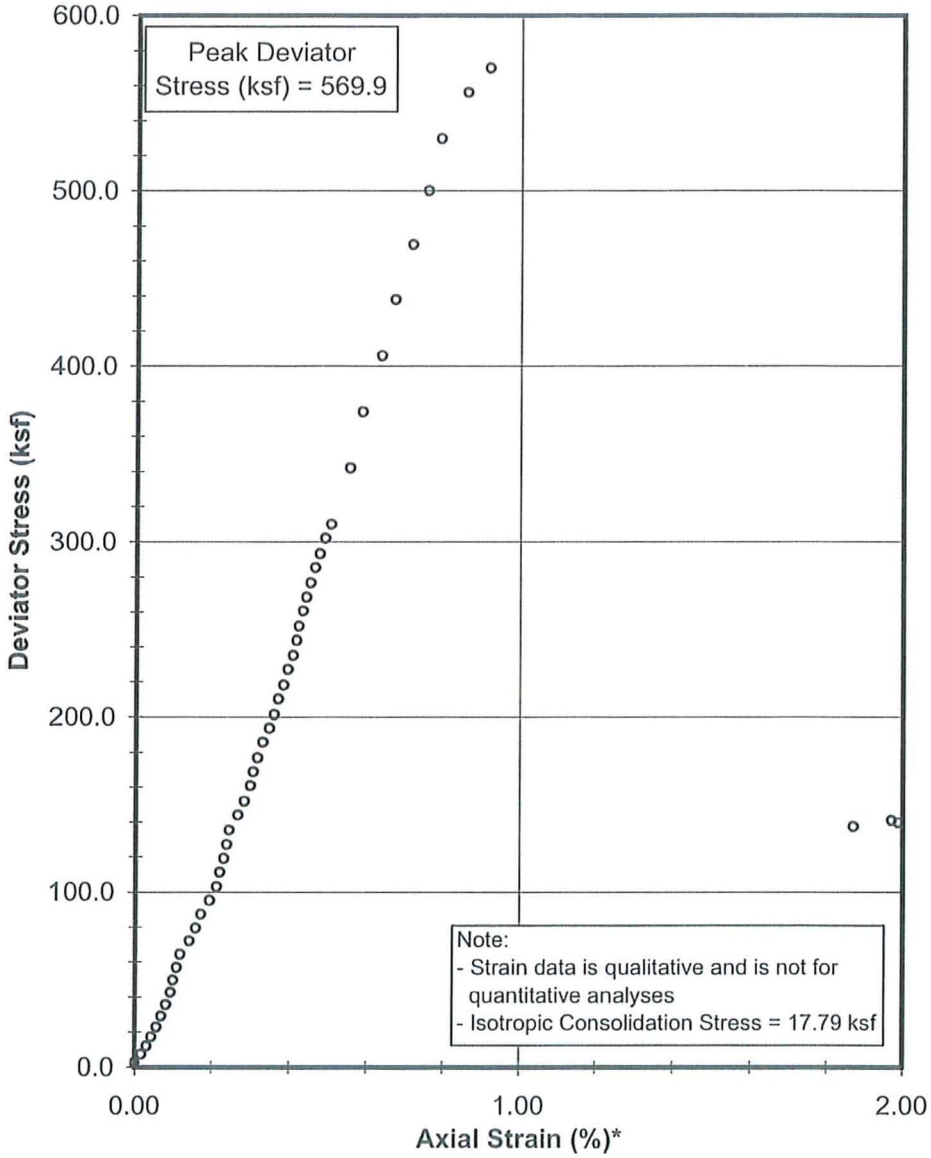
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 17 - Depth 72.0 ft
Boring B-1000

APPENDIX D-2



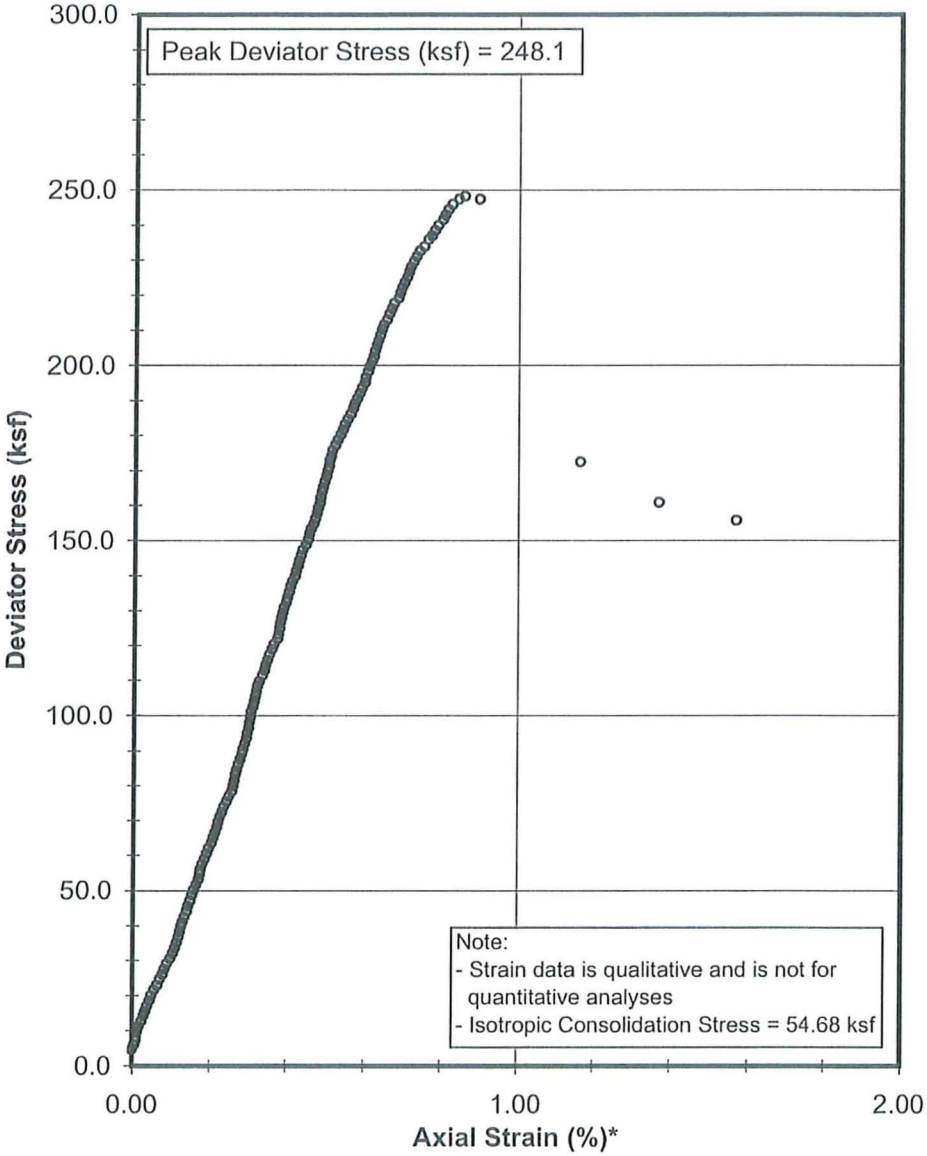
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 24 - Depth 109.4 ft
Boring B-1000

APPENDIX D-2



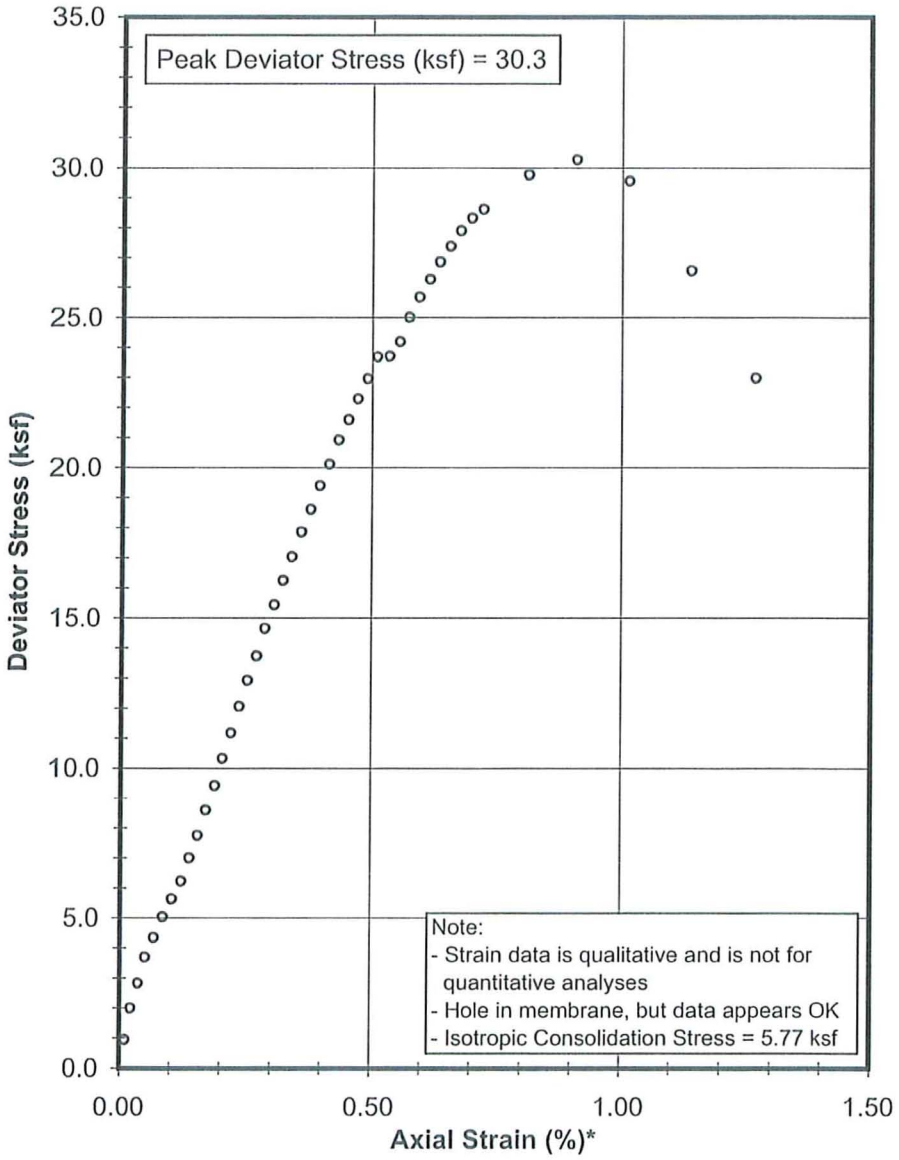
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 27 - Depth 122.8 ft
Boring B-1000

APPENDIX D-2



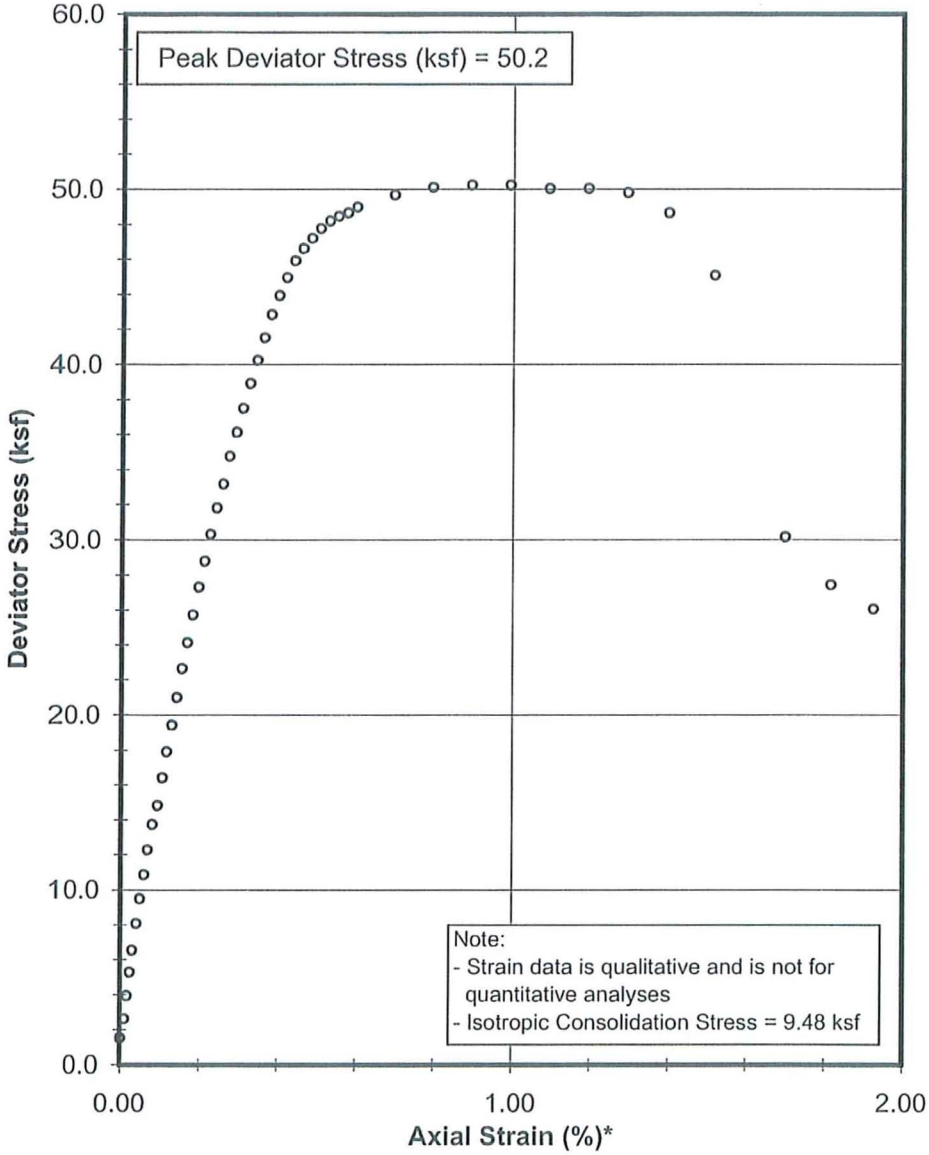
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 51 - Depth 357.7 ft
Boring B-1000

APPENDIX D-2



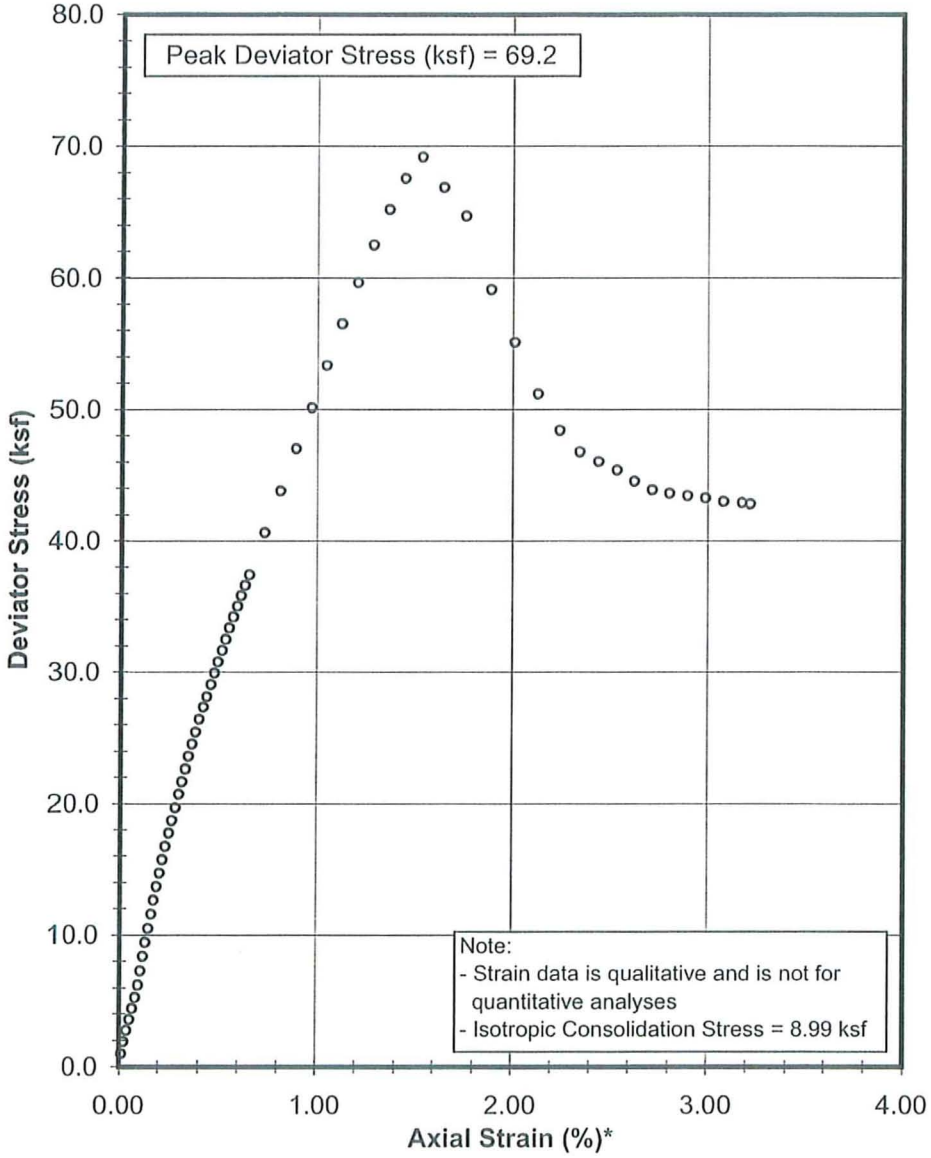
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 9 - Depth 39.9 ft
Boring B-1003

APPENDIX D-2



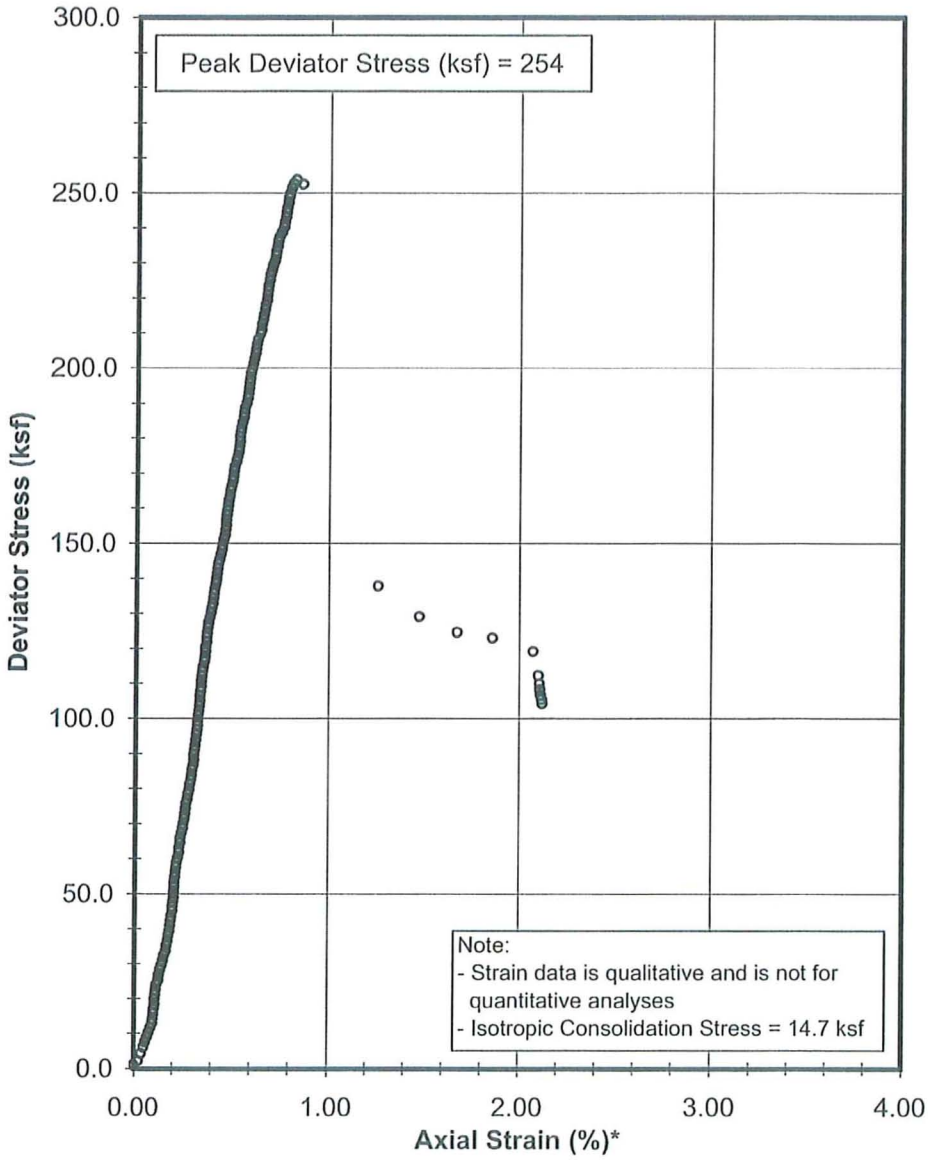
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 14 - Depth 65.4 ft
Boring B-1003

APPENDIX D-2



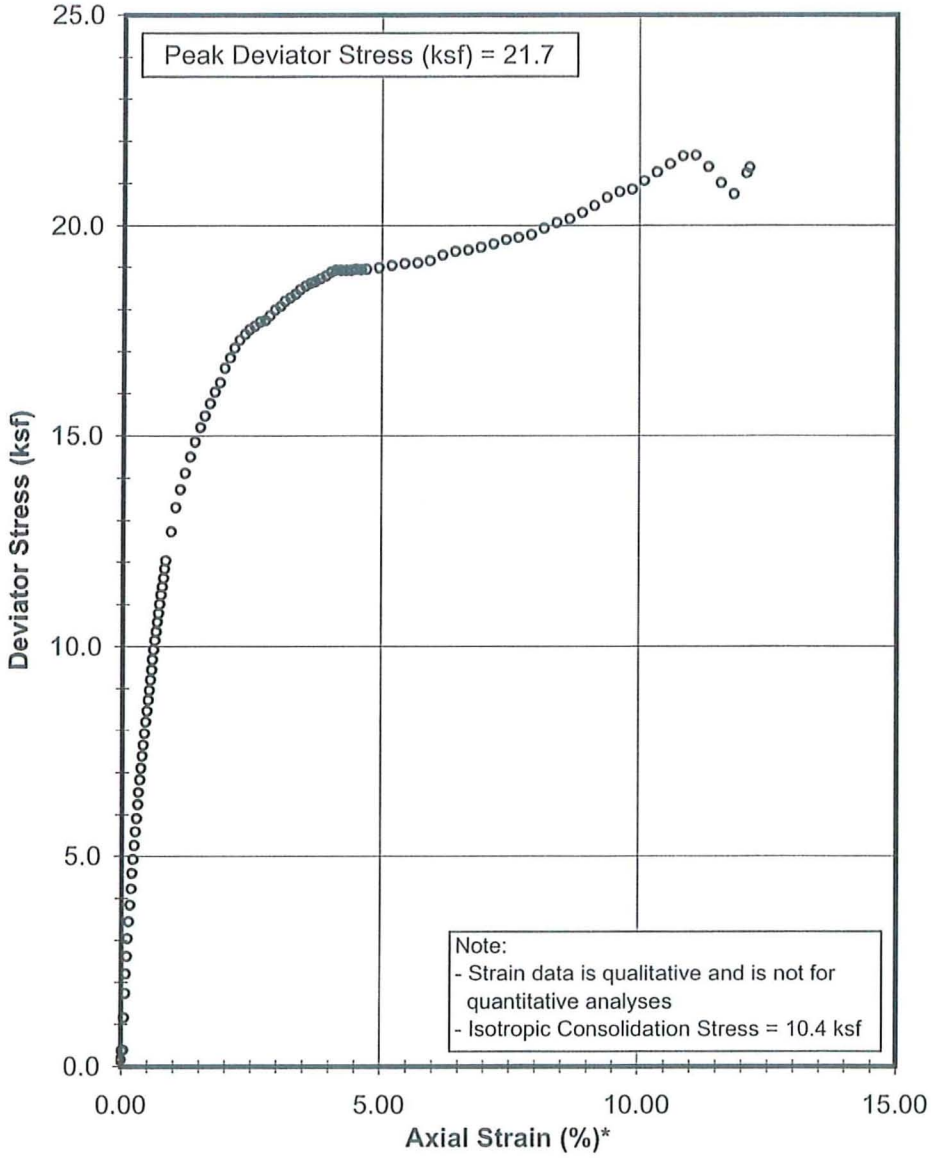
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 16 - Depth 62.1 ft
Boring B-1003-off

APPENDIX D-2



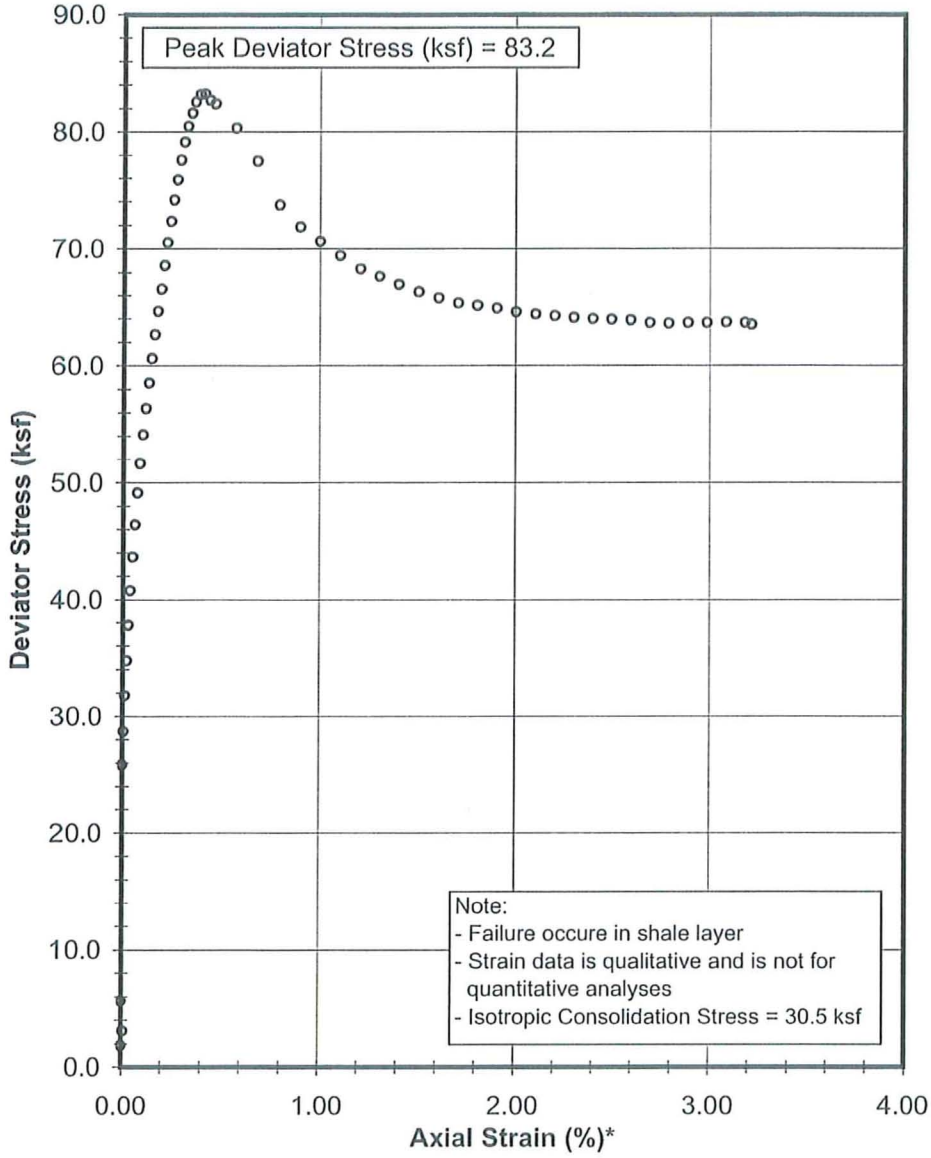
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 24 - Depth 101.0 ft
Boring B-1003-off

APPENDIX D-2



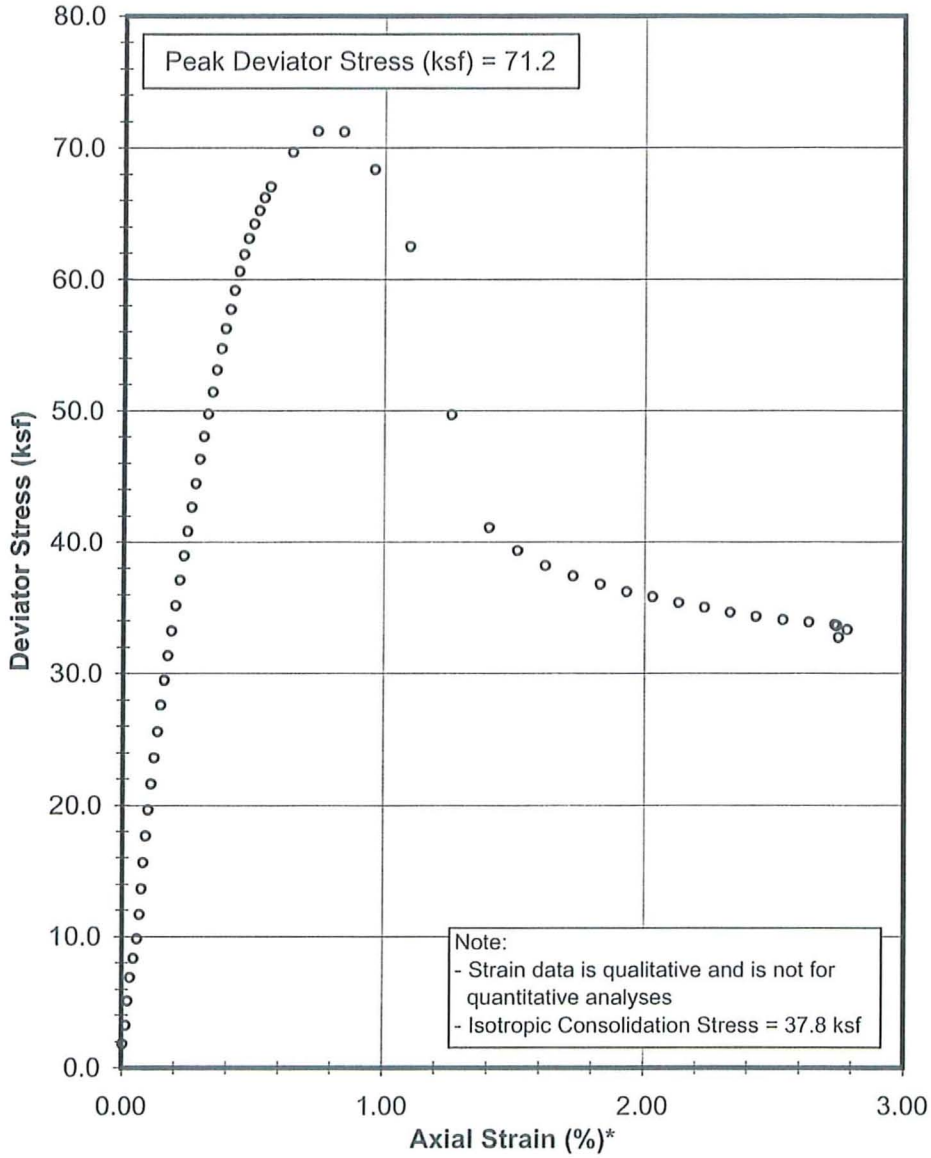
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 33 - Depth 144.1 ft
Boring B-1004

APPENDIX D-2



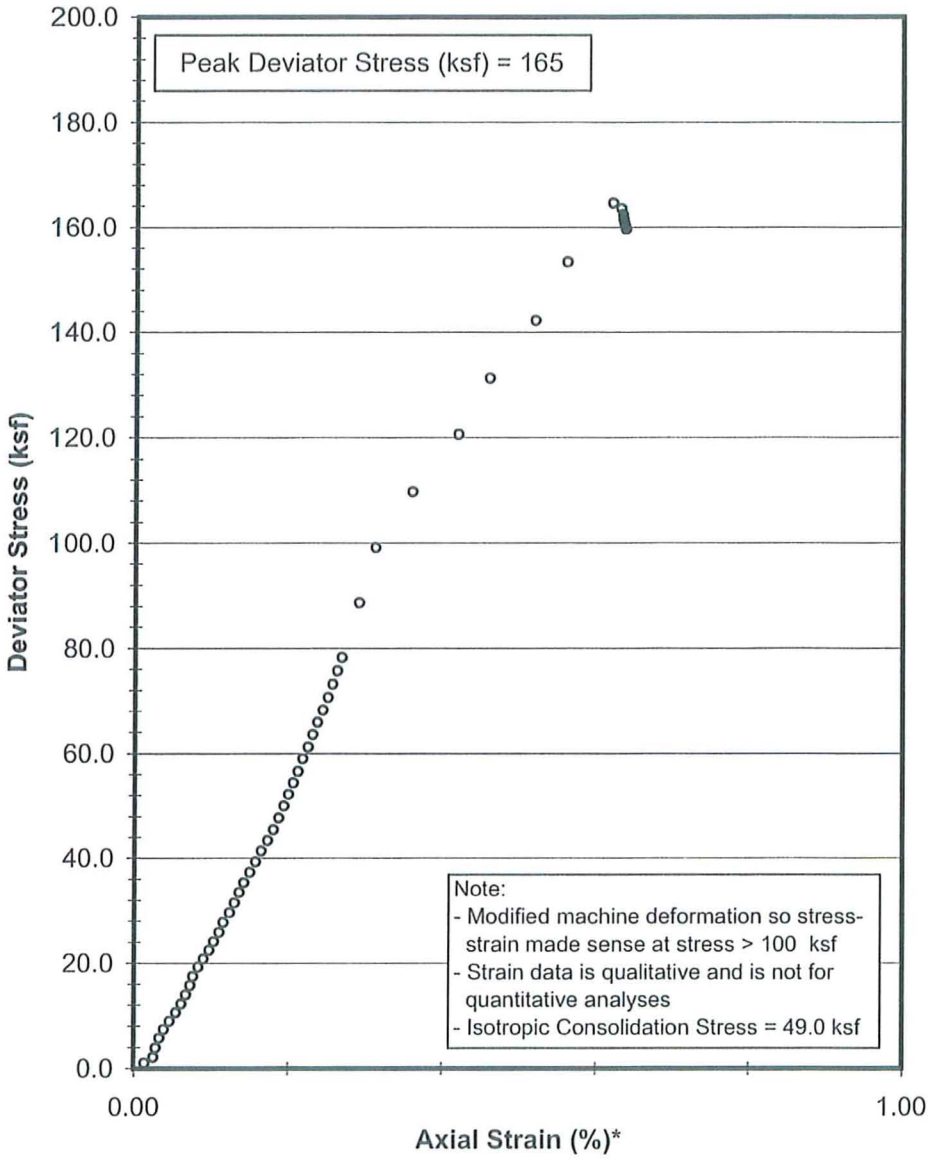
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 46 - Depth 209.0 ft
Boring B-1004

APPENDIX D-2



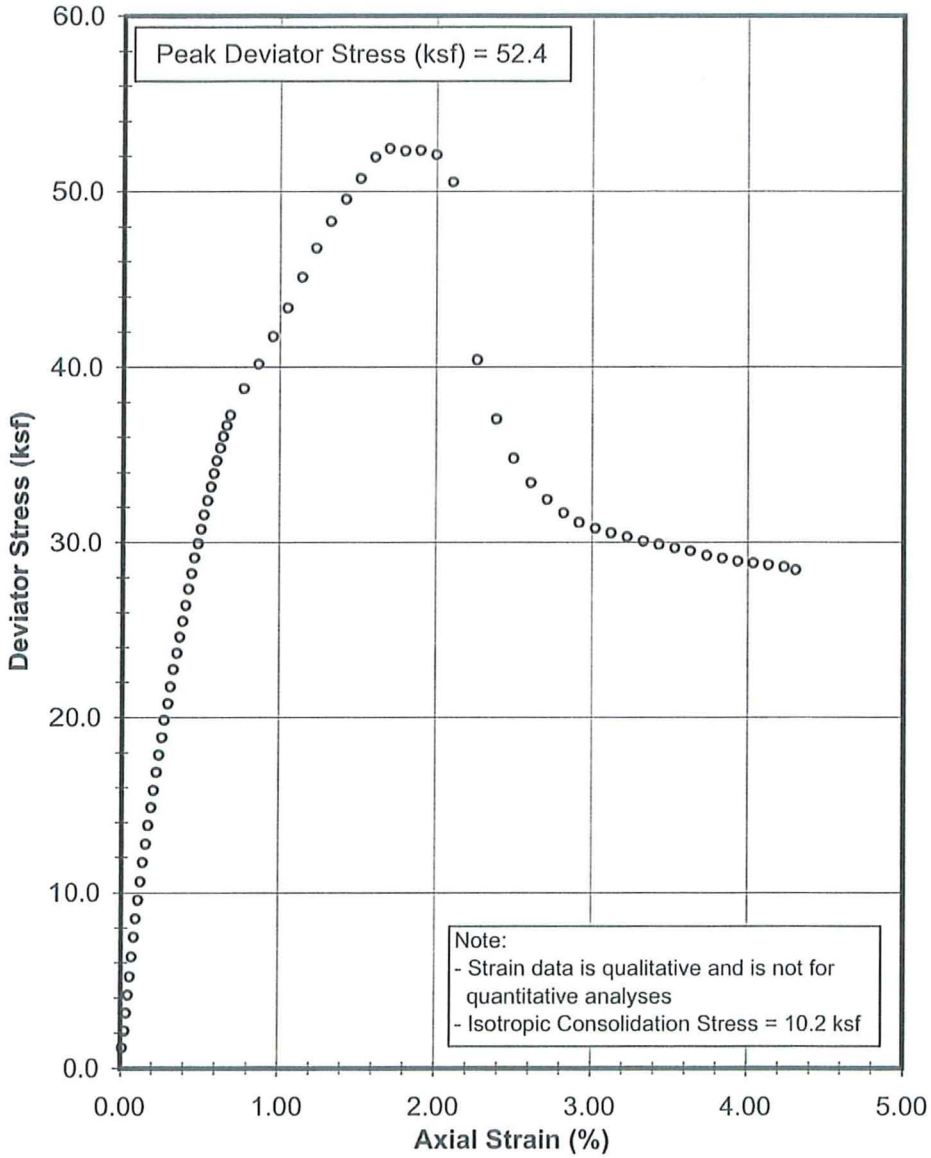
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 51 - Depth 260.5 ft
Boring B-1004

APPENDIX D-2



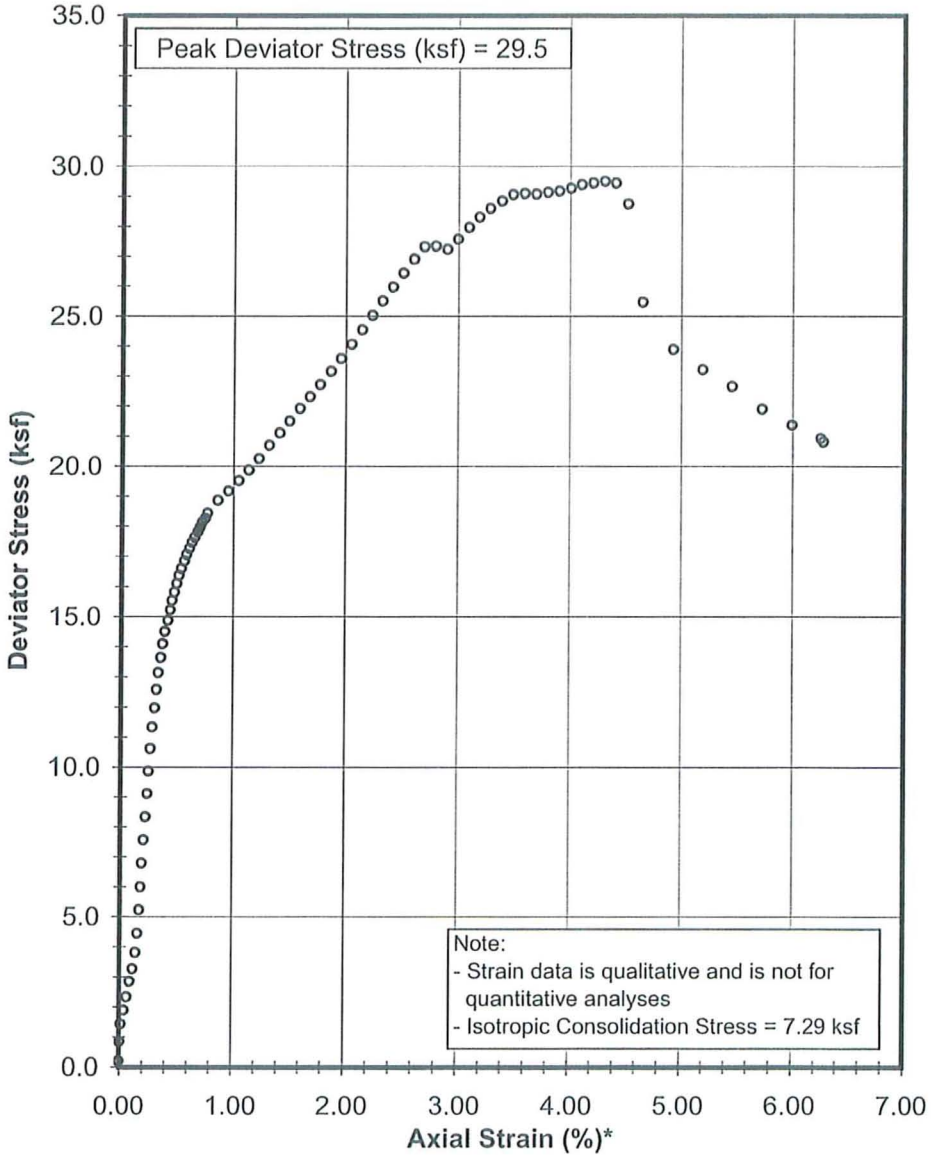
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 44 - Depth 338.1 ft
Boring B-1012

APPENDIX D-2



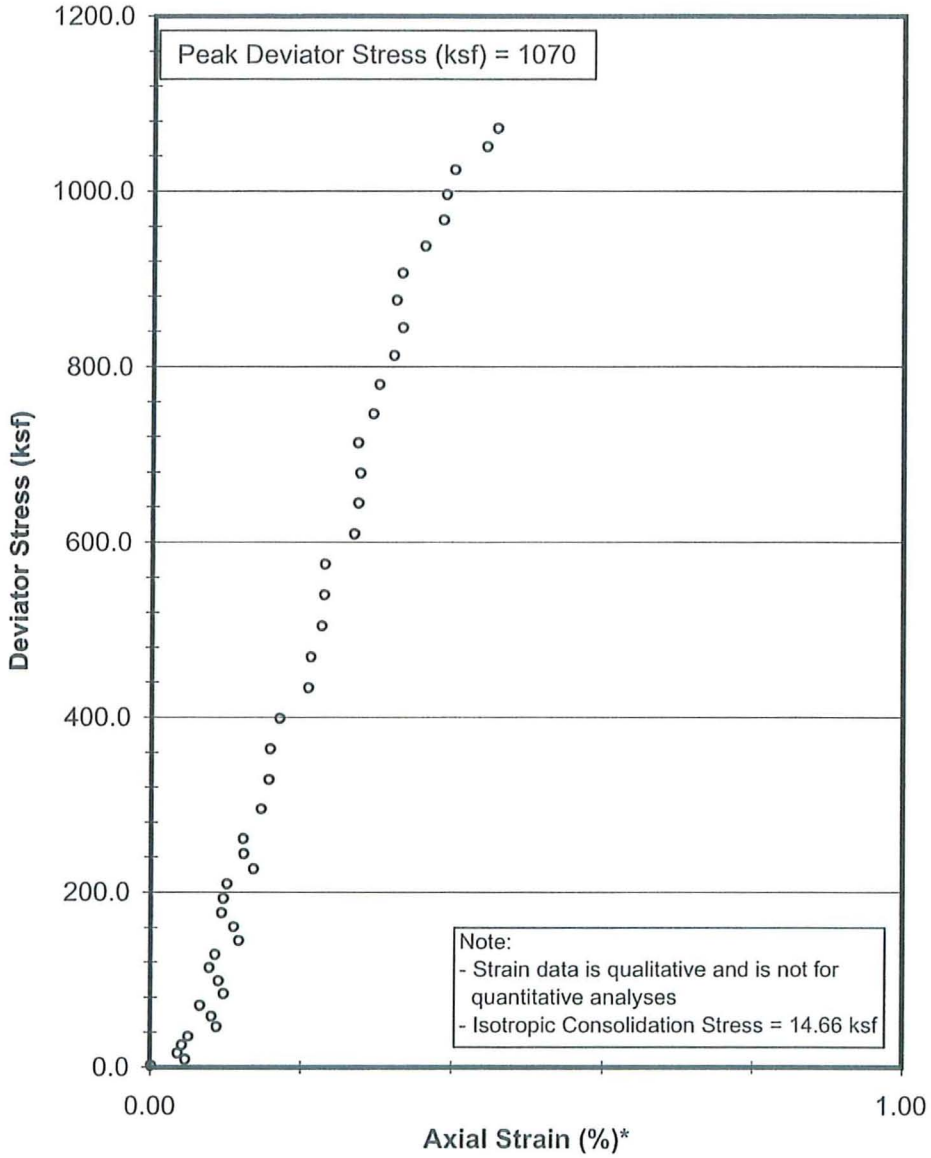
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 51 - Depth 70.7 ft
Boring B-1013

APPENDIX D-2



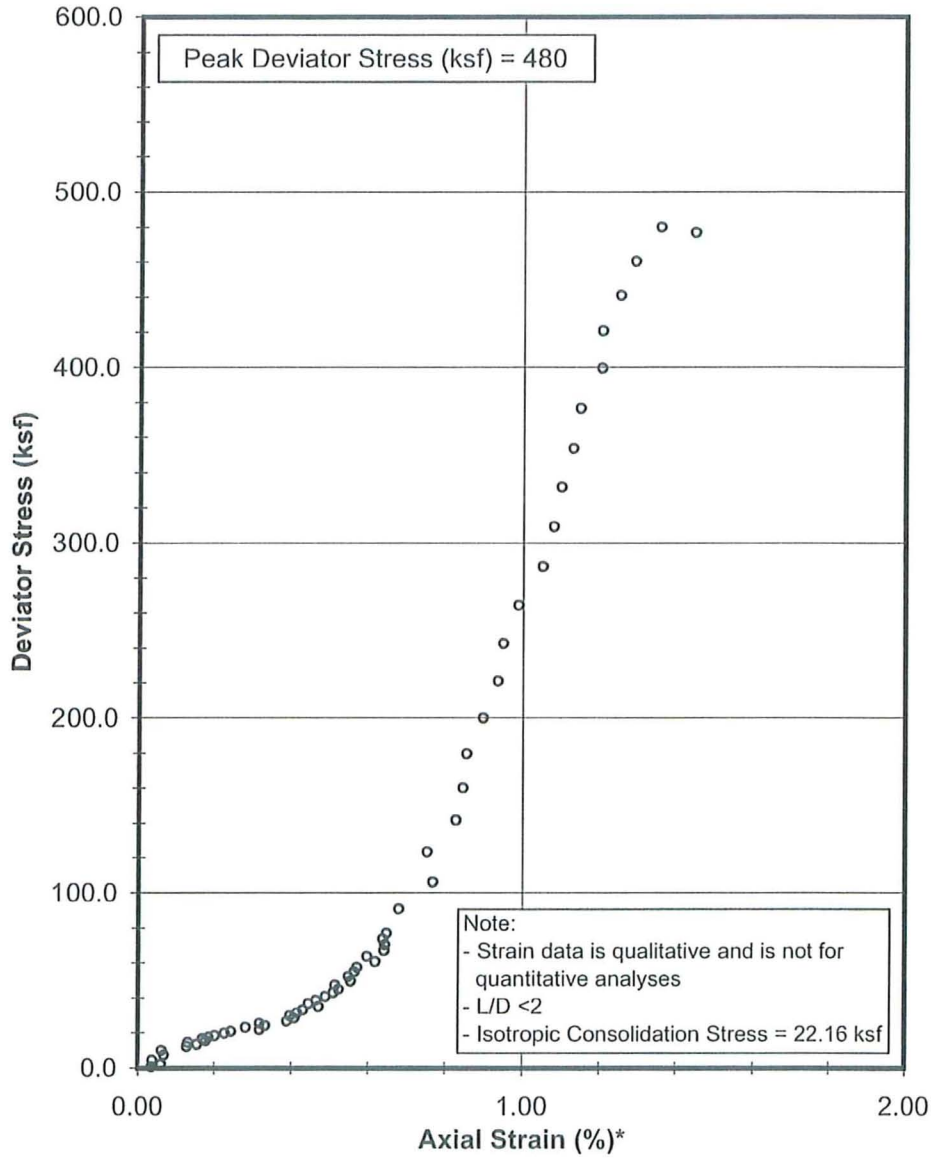
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 12 - Depth 50.3 ft
Boring B-1041

APPENDIX D-2



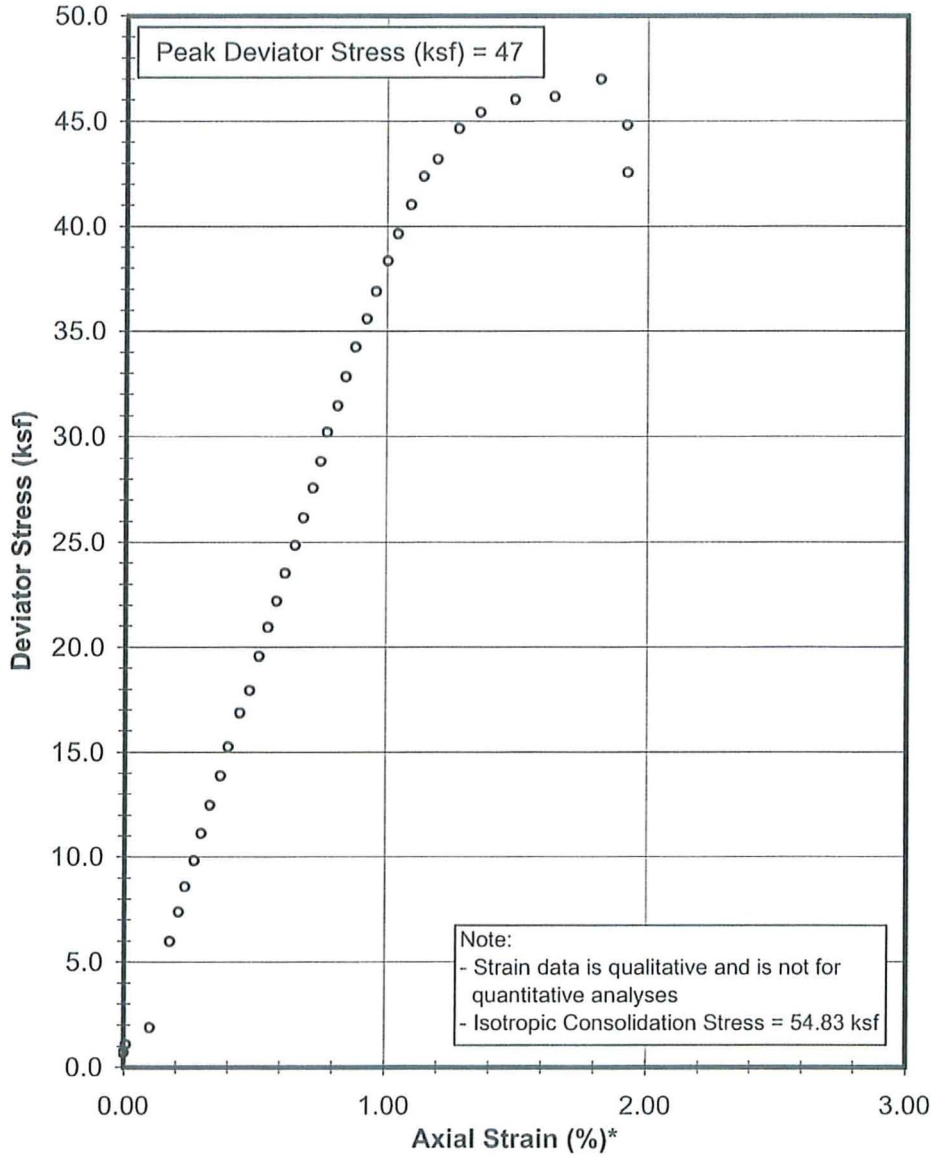
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 17 - Depth 101.3 ft
Boring B-2000

APPENDIX D-2



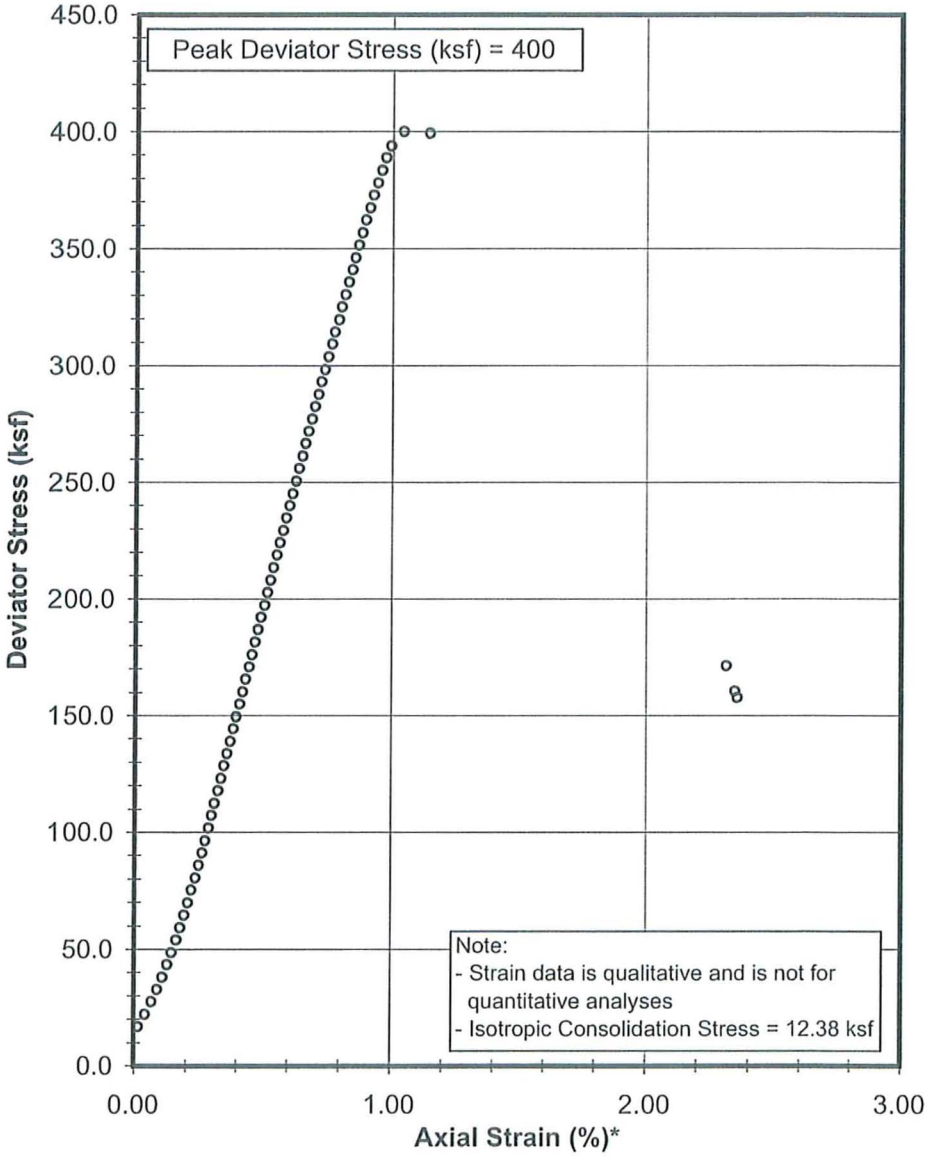
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 27 - Depth 152.2 ft
Boring B-2000

APPENDIX D-2



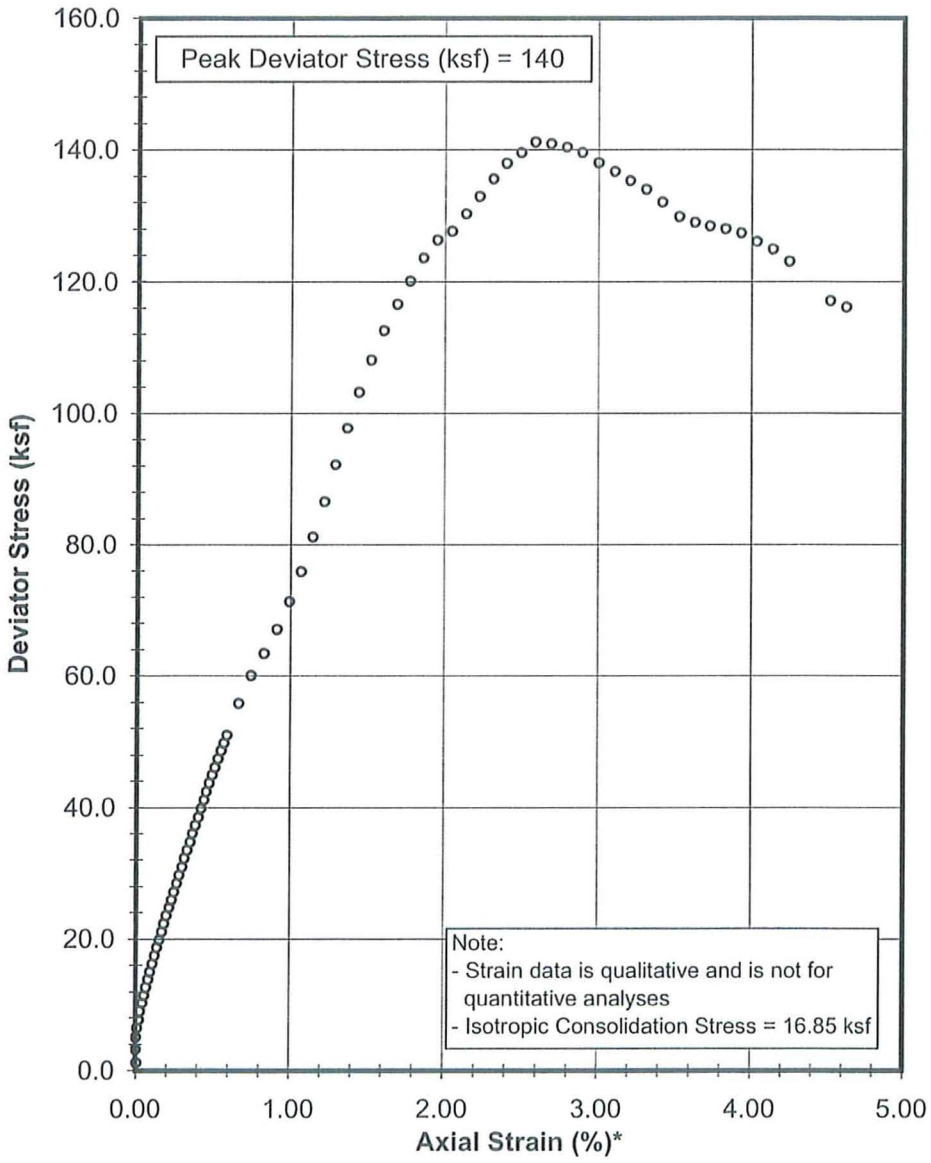
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 72 - Depth 377.4 ft
Boring B-2000

APPENDIX D-2



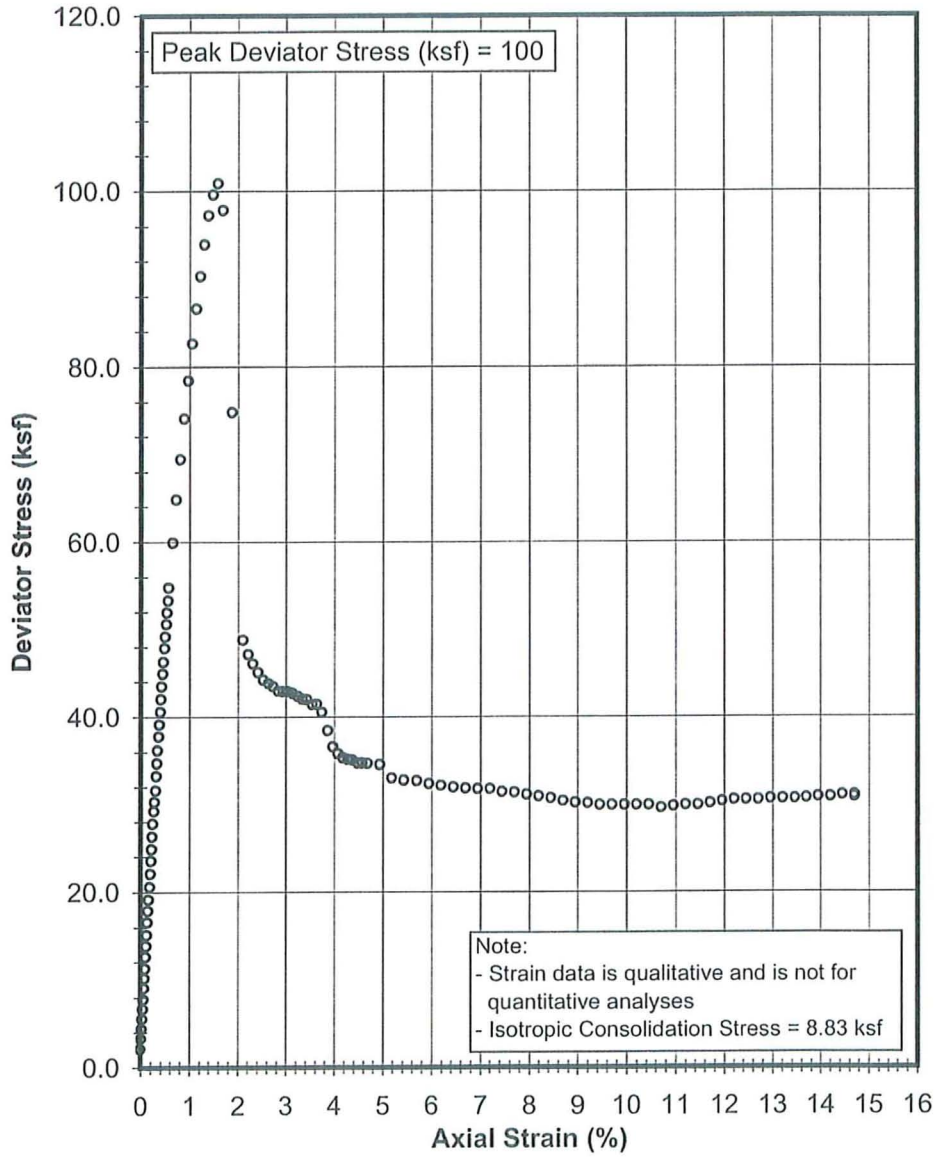
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 16 - Depth 86.4 ft
Boring B-2002

APPENDIX D-2



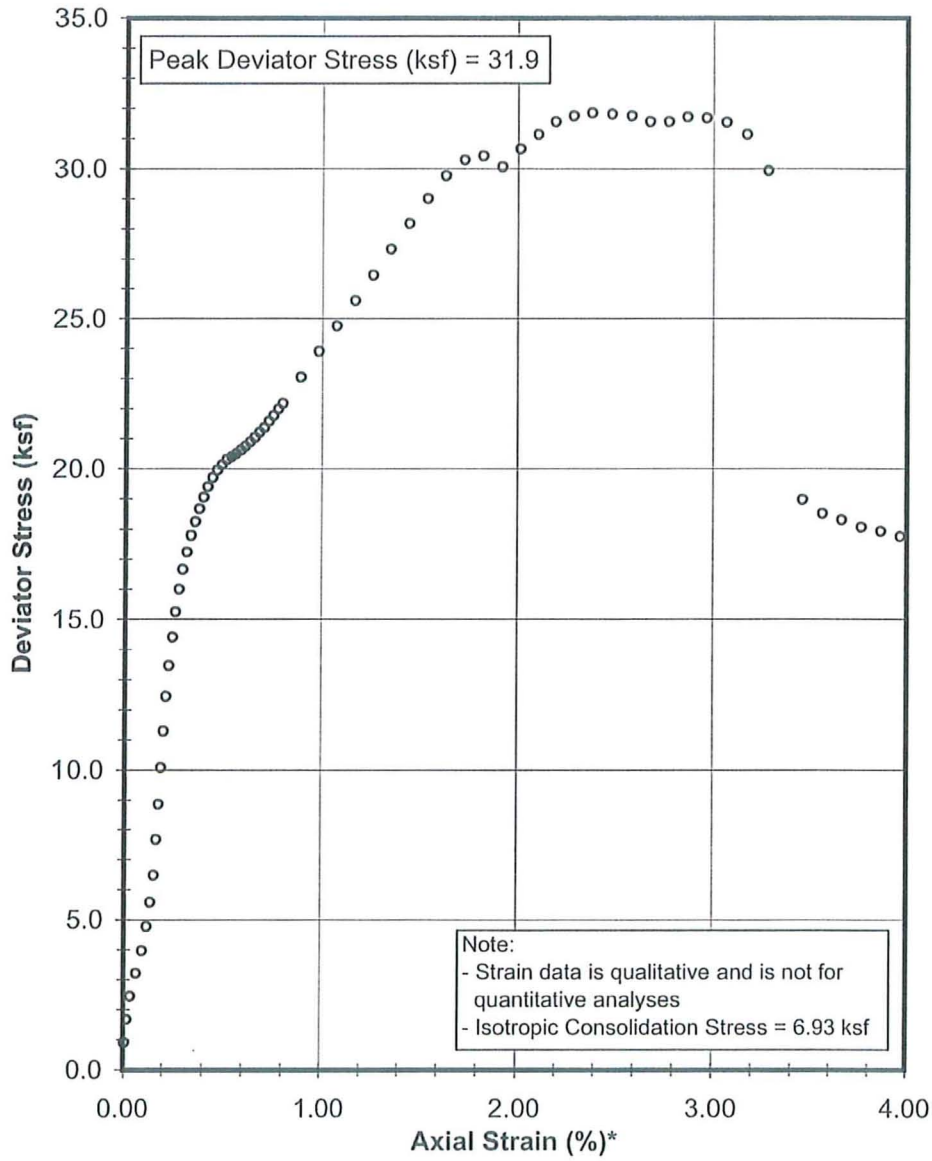
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 22 - Depth 116.8 ft
Boring B-2002

APPENDIX D-2



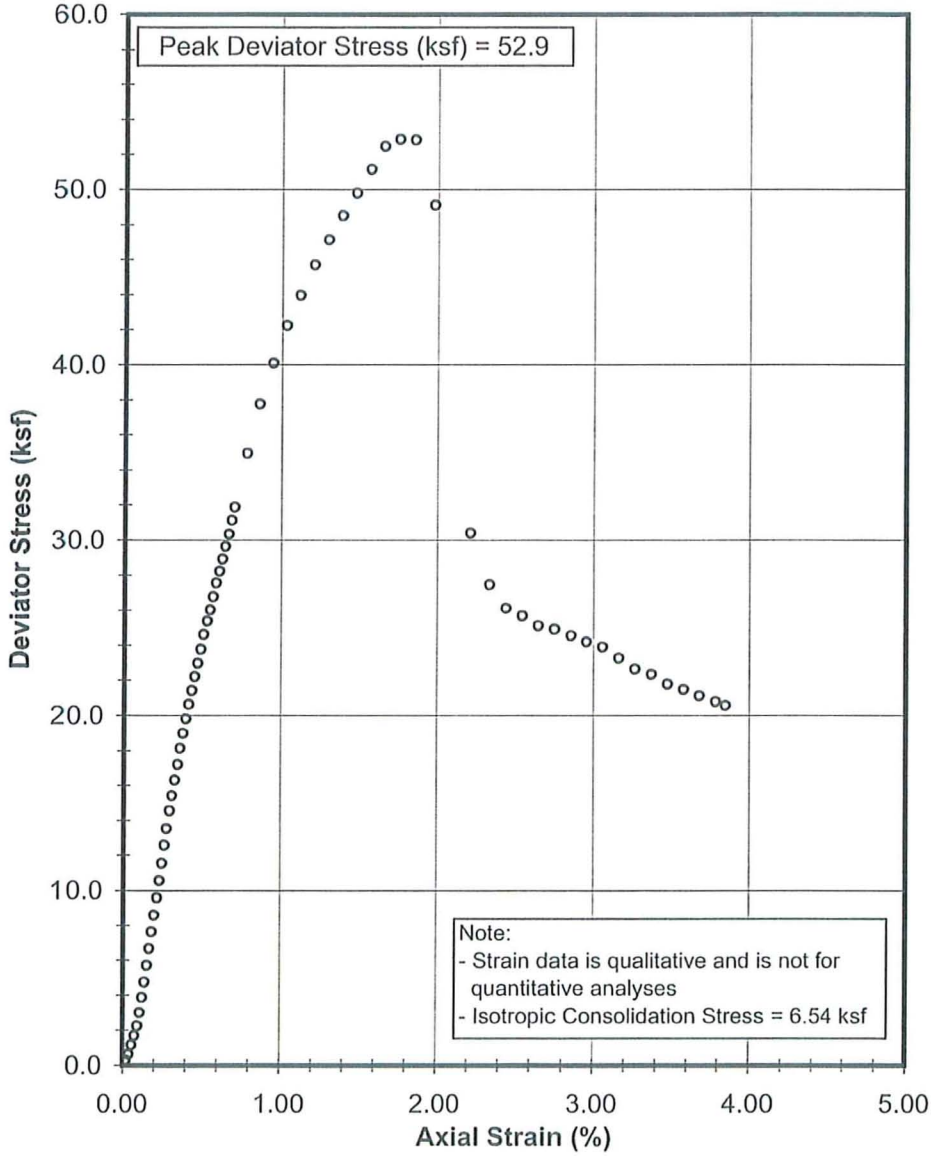
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 14 - Depth 61.0 ft
Boring B-2006

APPENDIX D-2



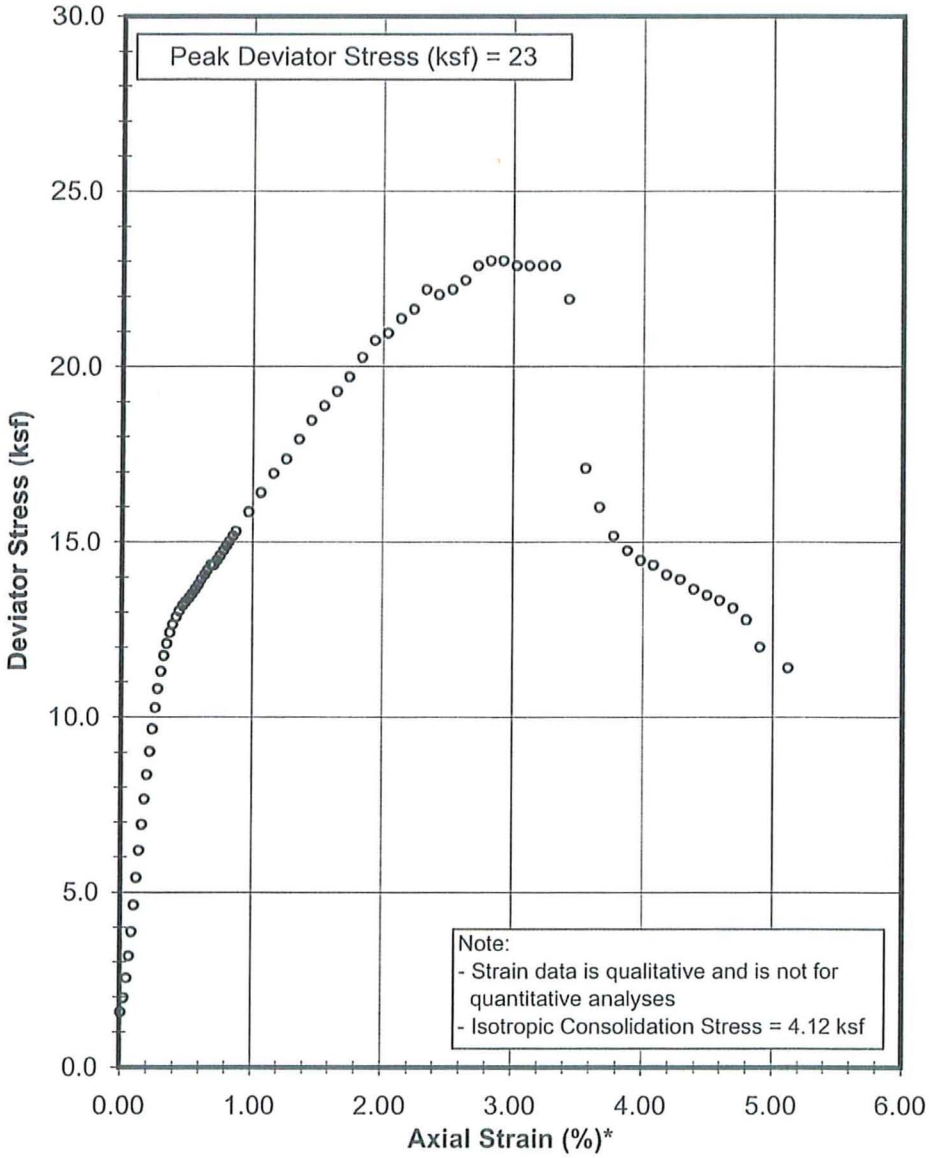
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 9 - Depth 47.7ft
Boring B-2008

APPENDIX D-2



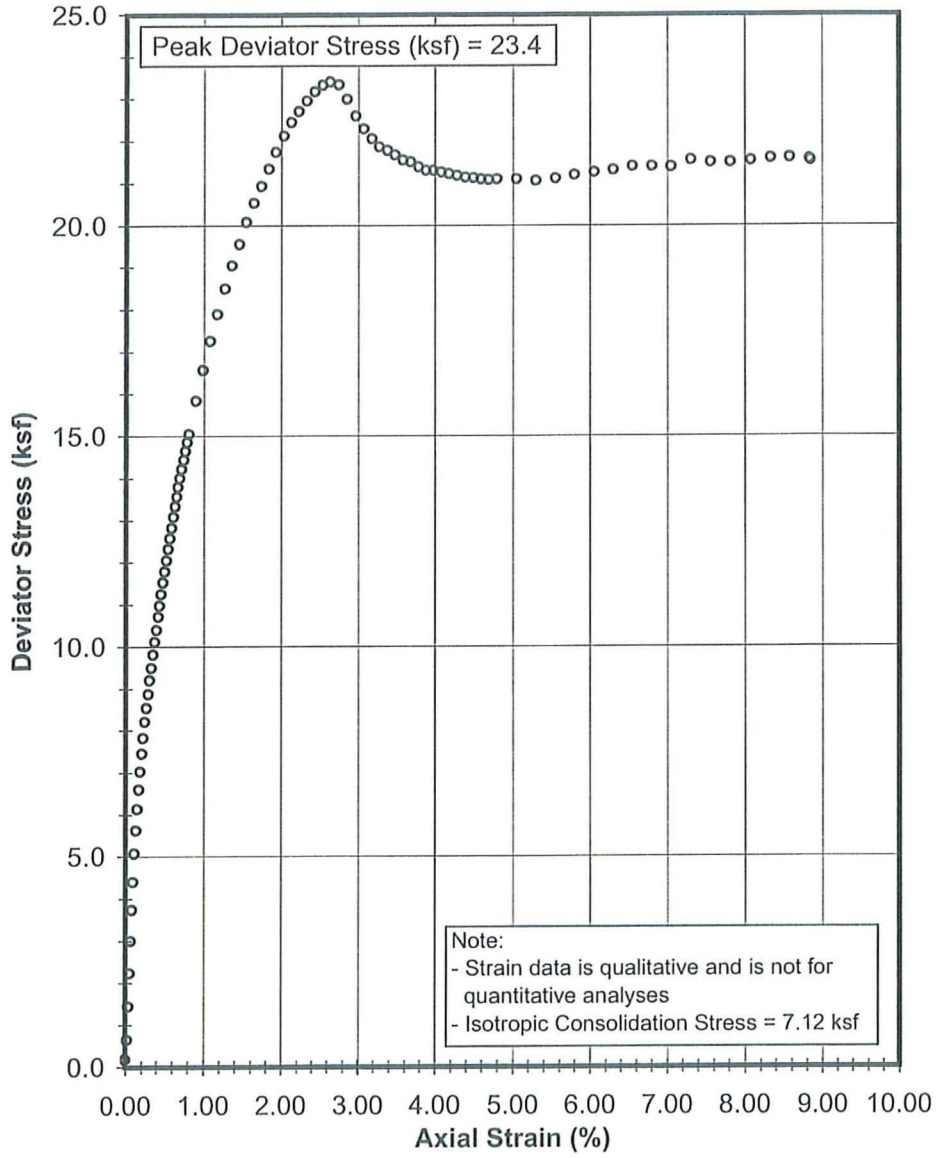
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 7 - Depth 45.1 ft
Boring B-2030

APPENDIX D-2



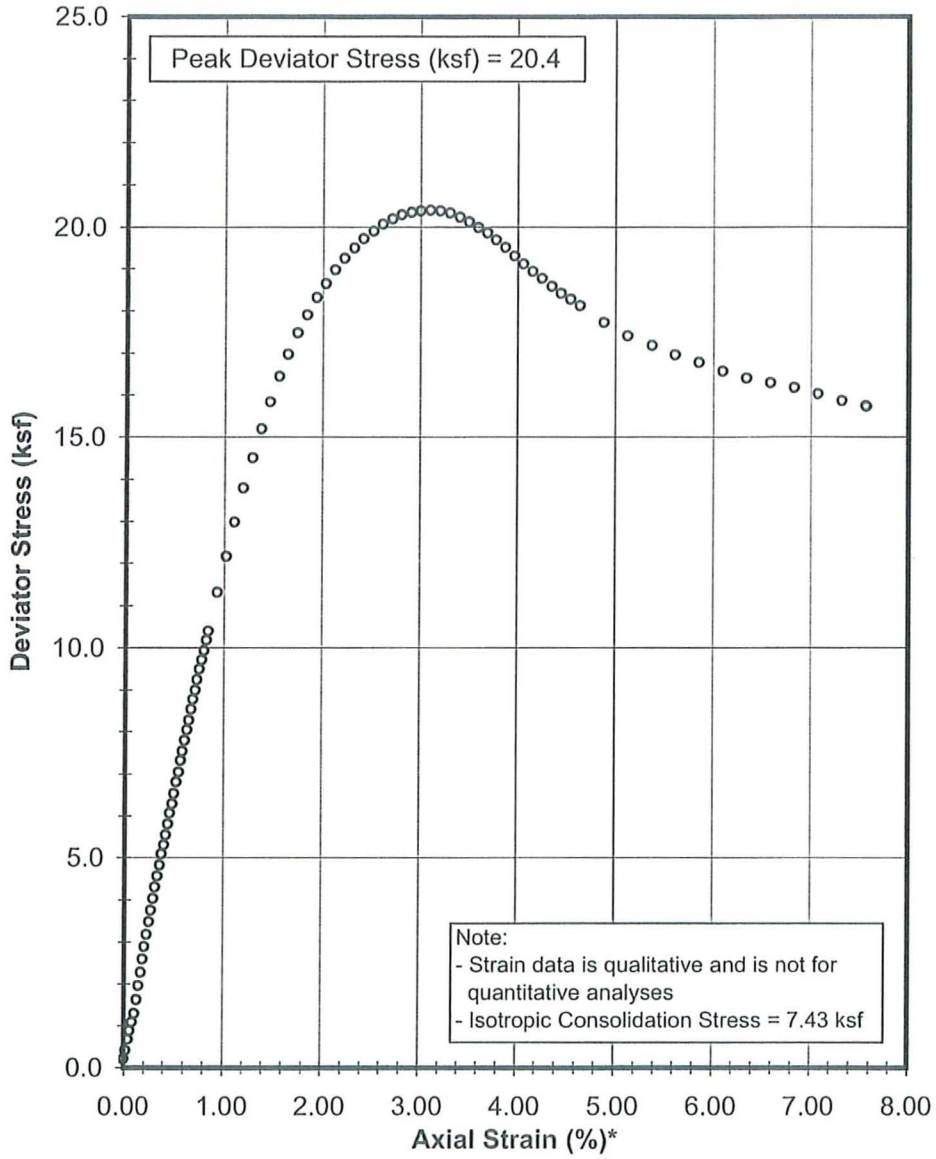
ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 4 - Depth 14.2 ft
Boring B-2036

APPENDIX D-2



ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 13 - Depth 49.0 ft
Boring B-2037

APPENDIX D-2

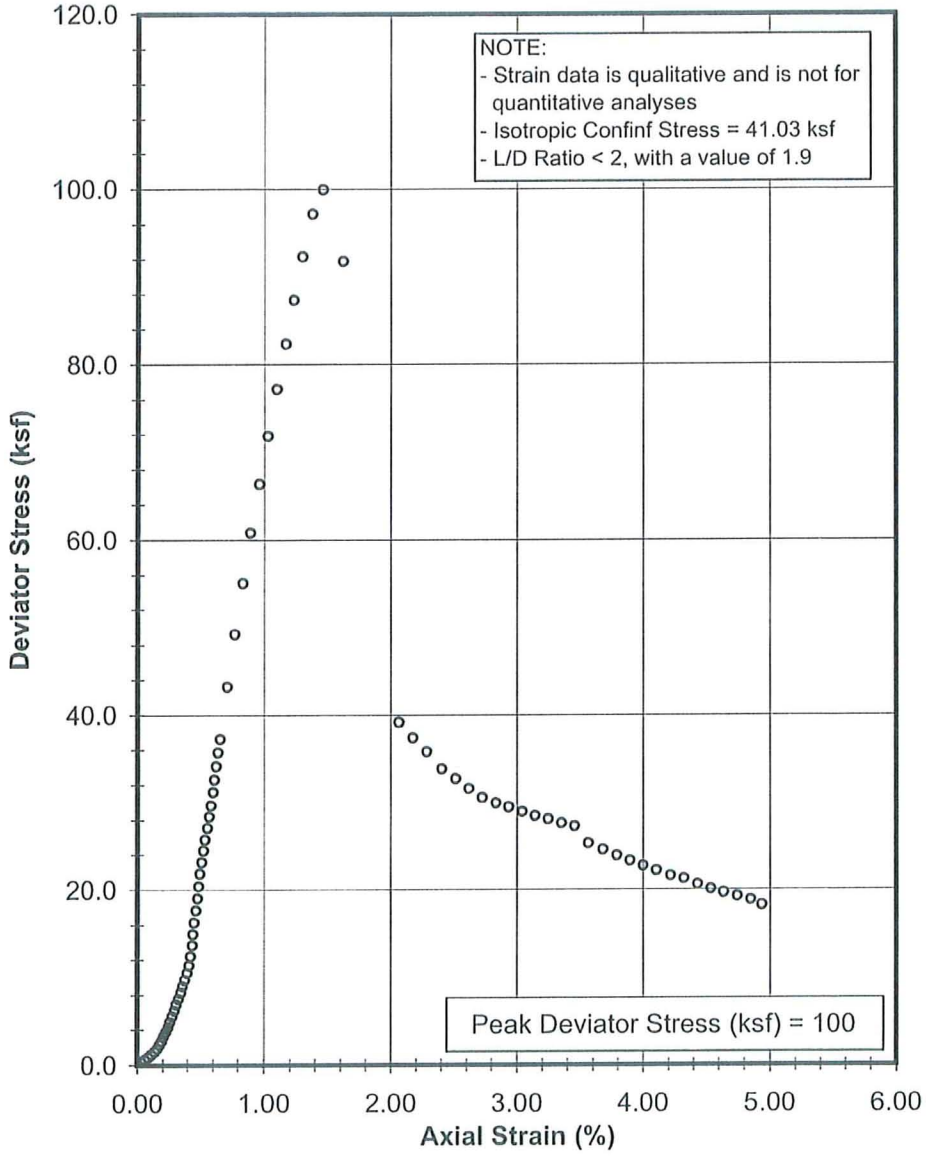


ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST
without pore pressure measurement
Sample No. 14a - Depth 51.1 ft
Boring B-2042a

APPENDIX E

Unconsolidated-Undrained Triaxial Test Results

APPENDIX E

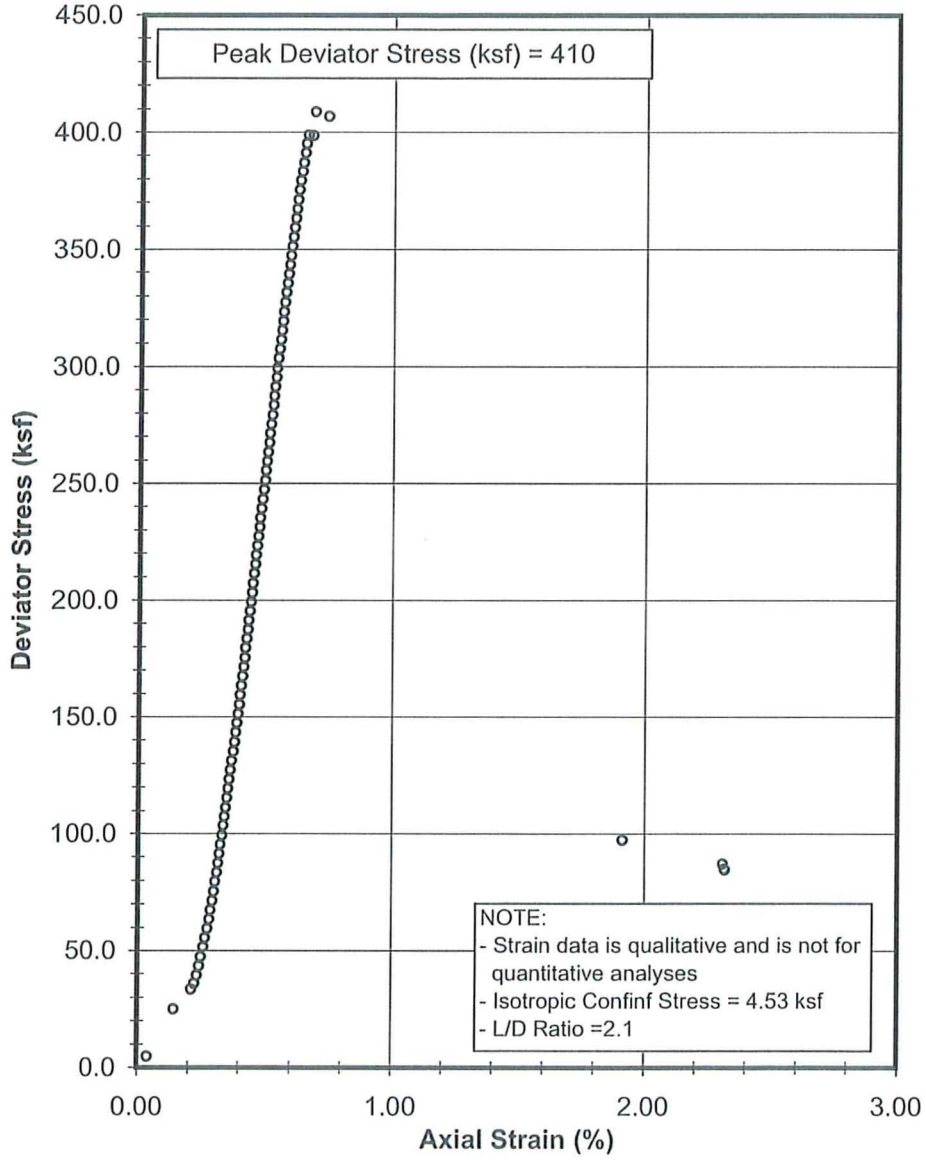


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 46 - Depth 282.3 ft

Boring B-1000

APPENDIX E

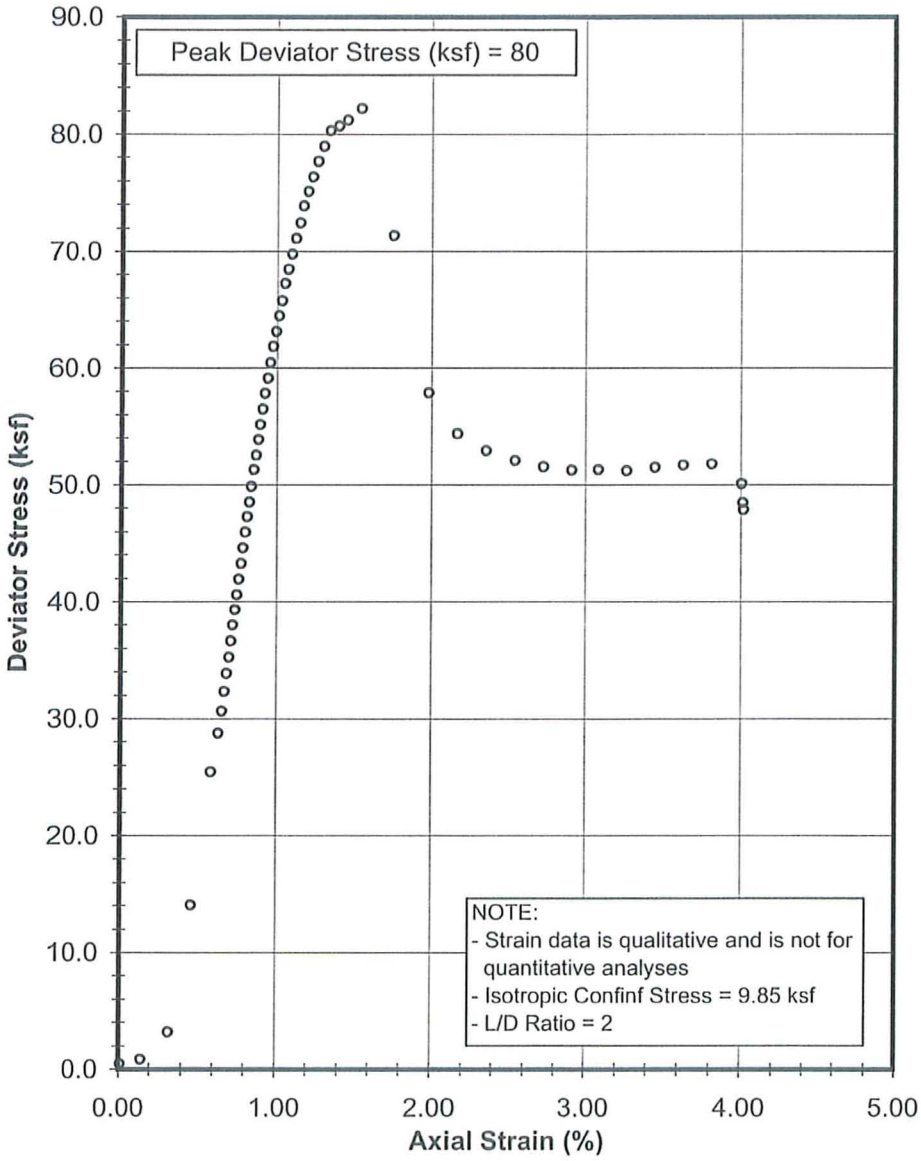


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 9 - Depth 31.9 ft

Boring B-1002

APPENDIX E

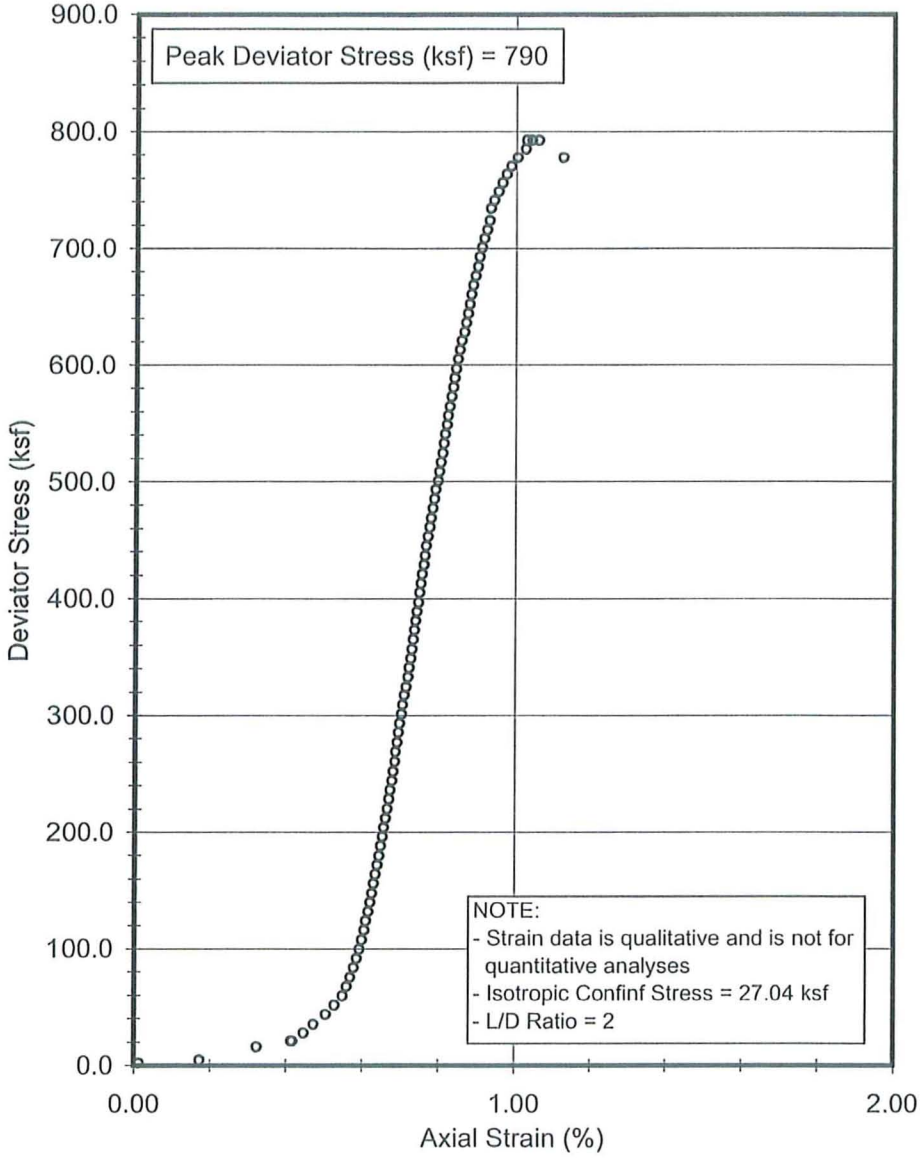


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 15 - Depth 68.3 ft

Boring B-1003

APPENDIX E

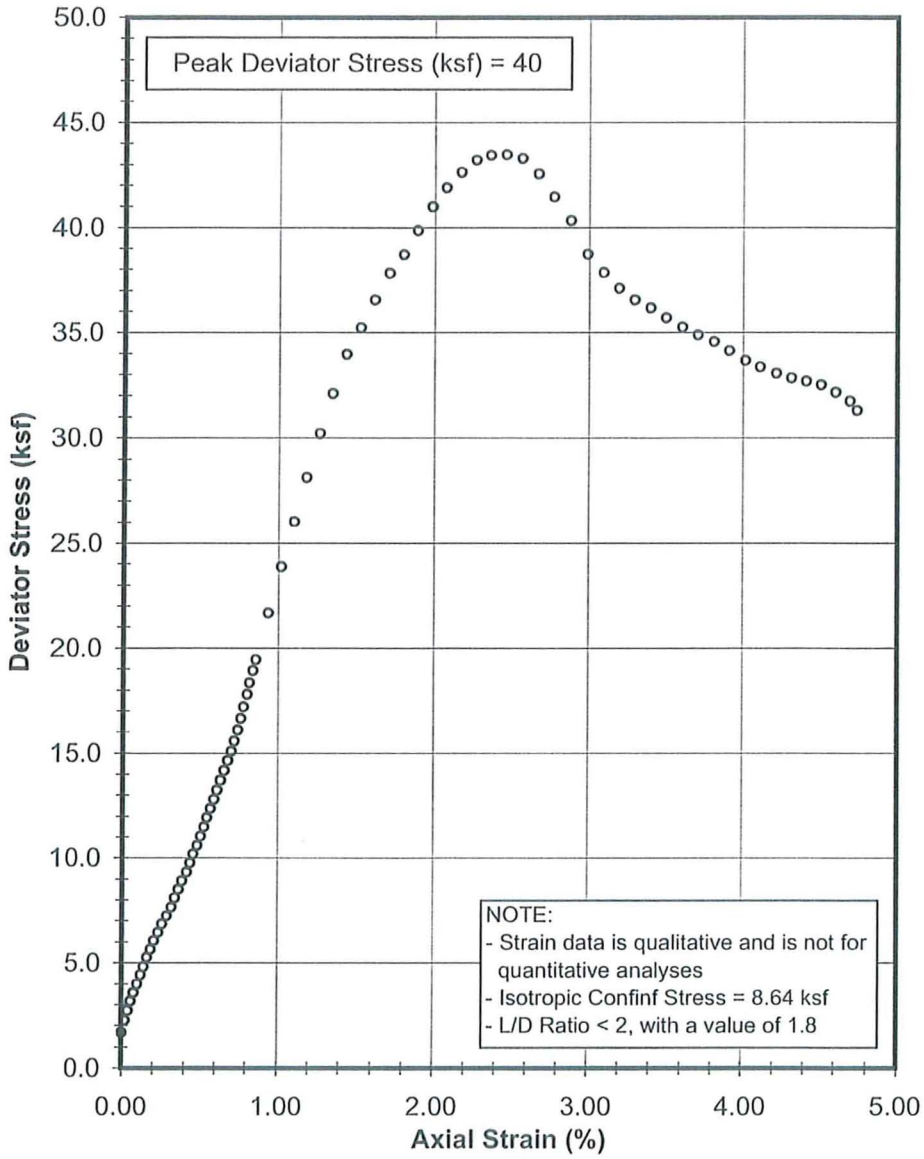


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 41 - Depth 185.5 ft

Boring B-1004

APPENDIX E

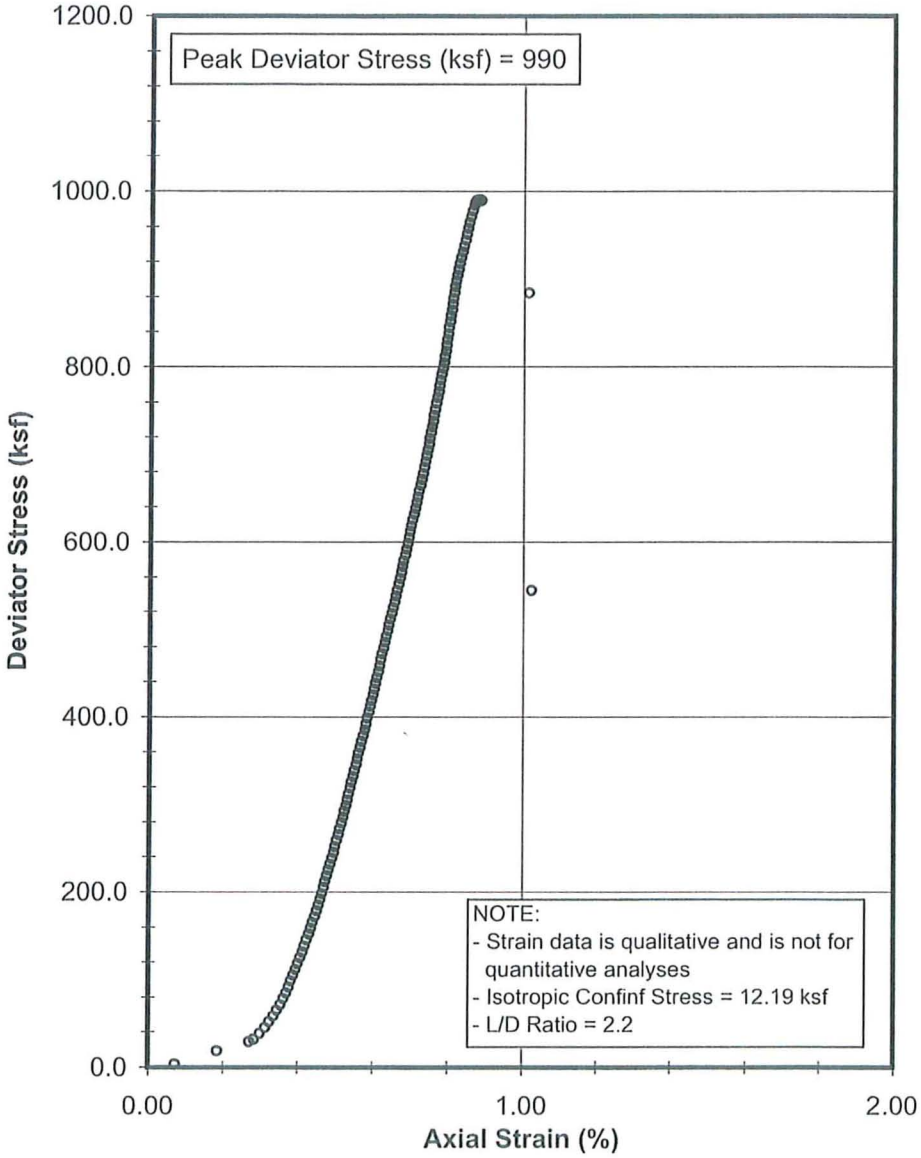


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 15 - Depth 59.5 ft

Boring B-1005

APPENDIX E

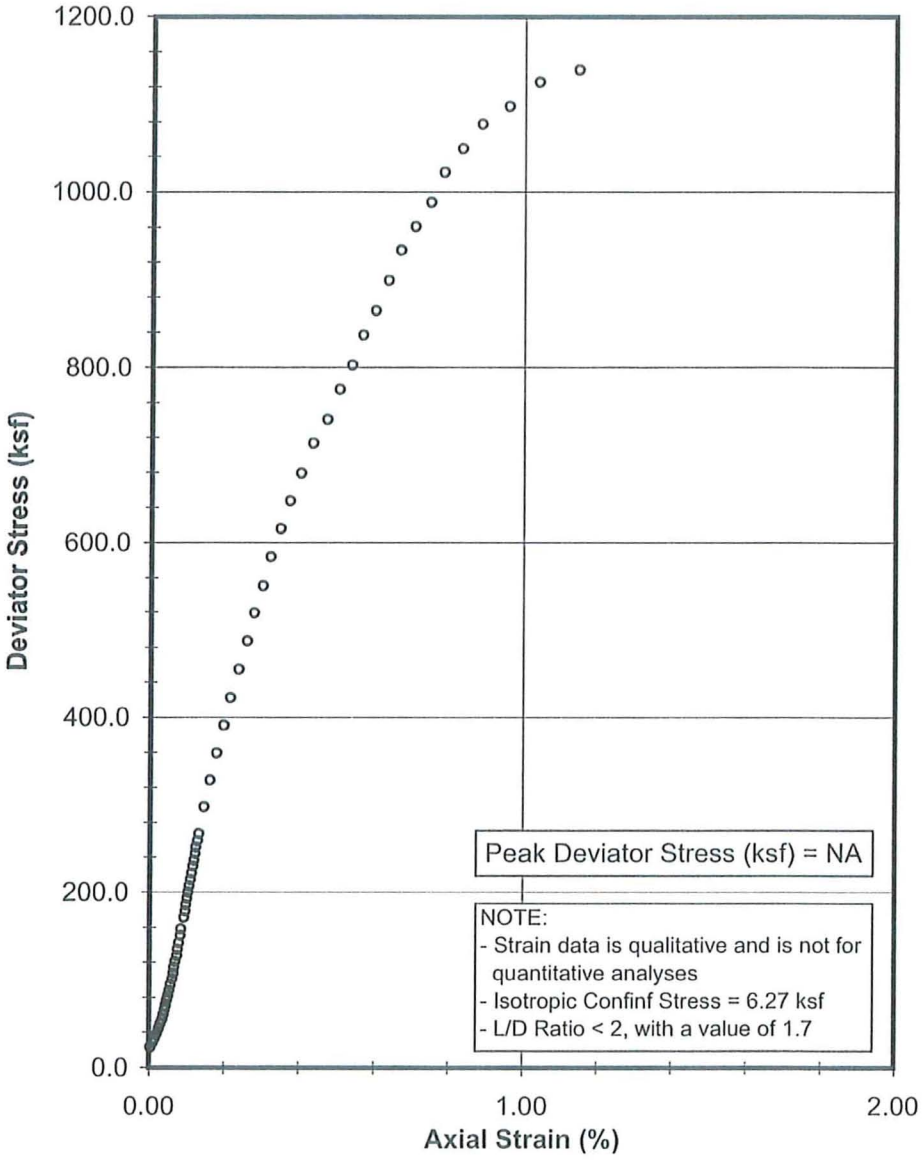


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 20 - Depth 84.5 ft

Boring B-1005

APPENDIX E

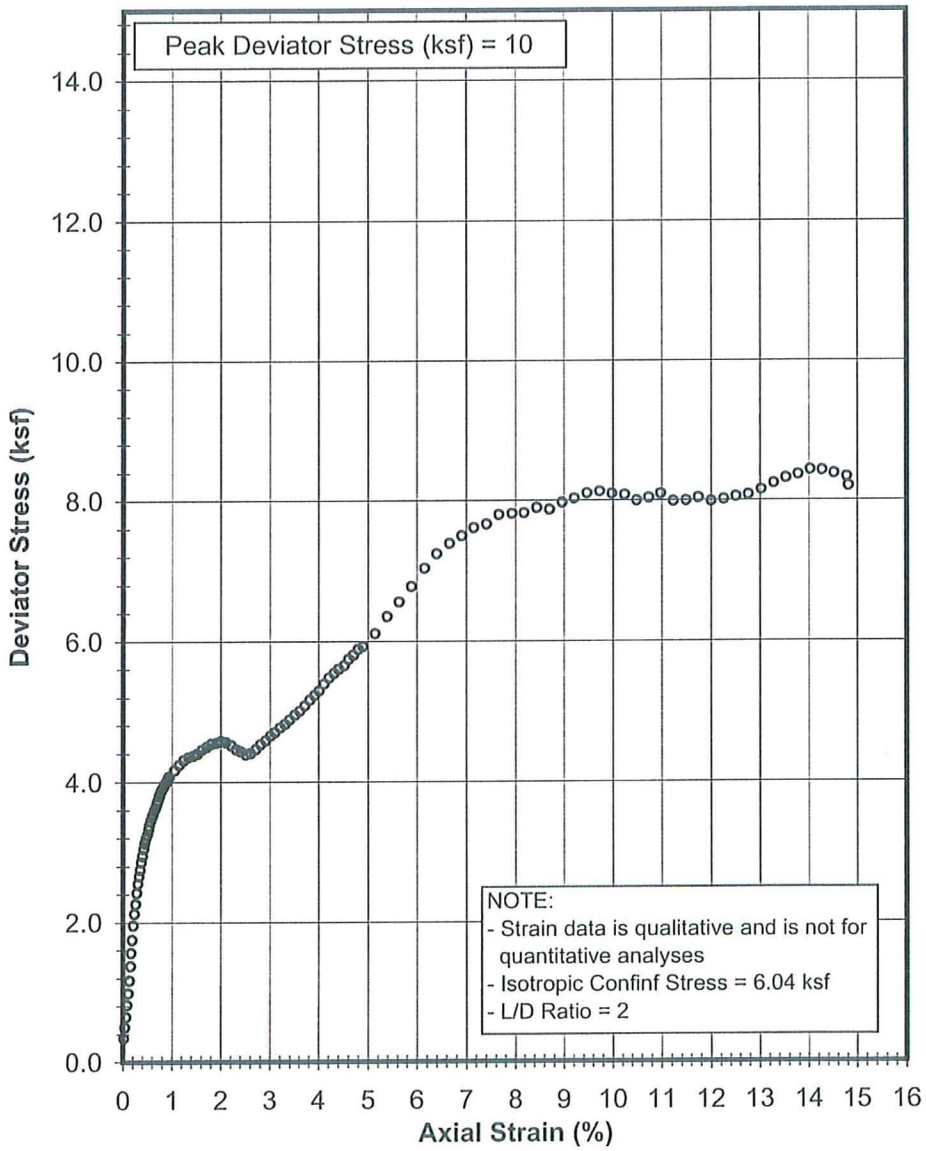


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 12 - Depth 43.3 ft

Boring B-1032

APPENDIX E

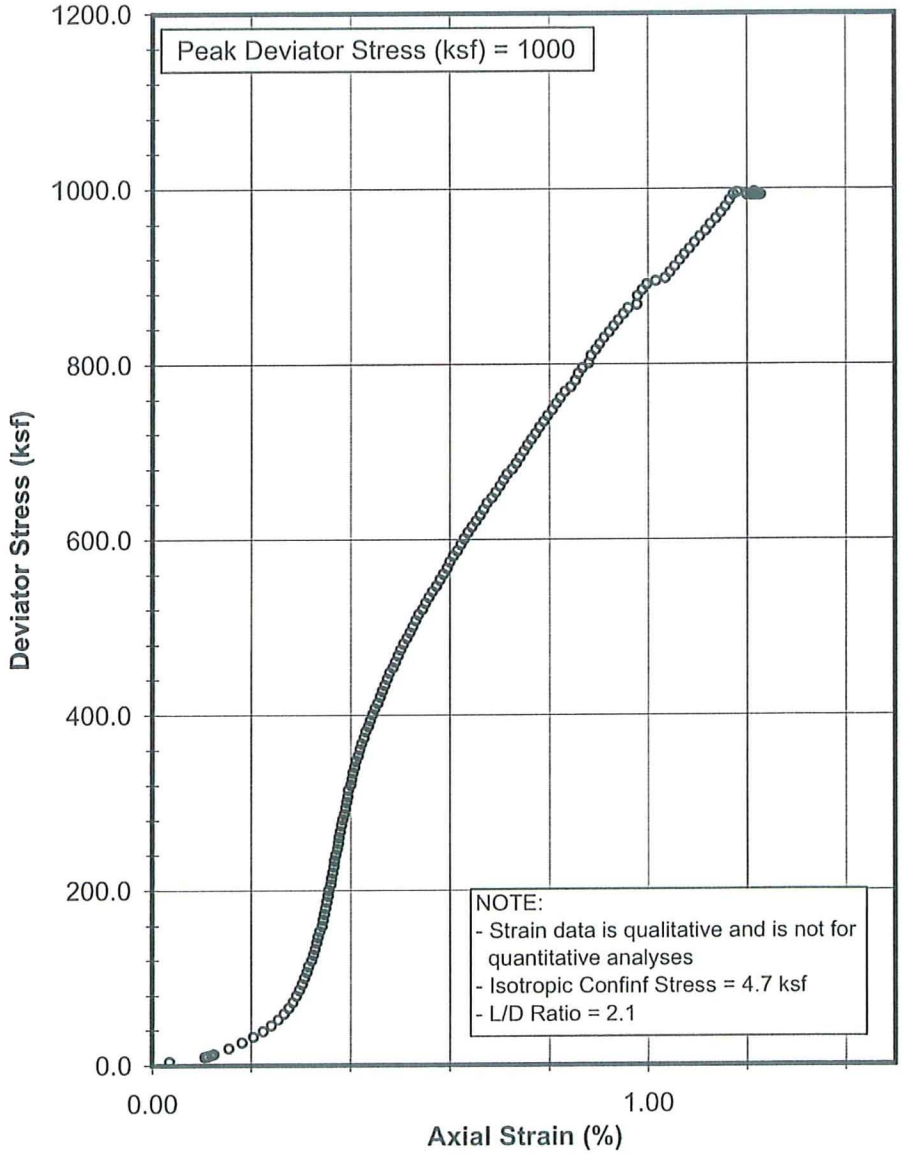


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 5 - Depth 41.7 ft

Boring B-2000

APPENDIX E

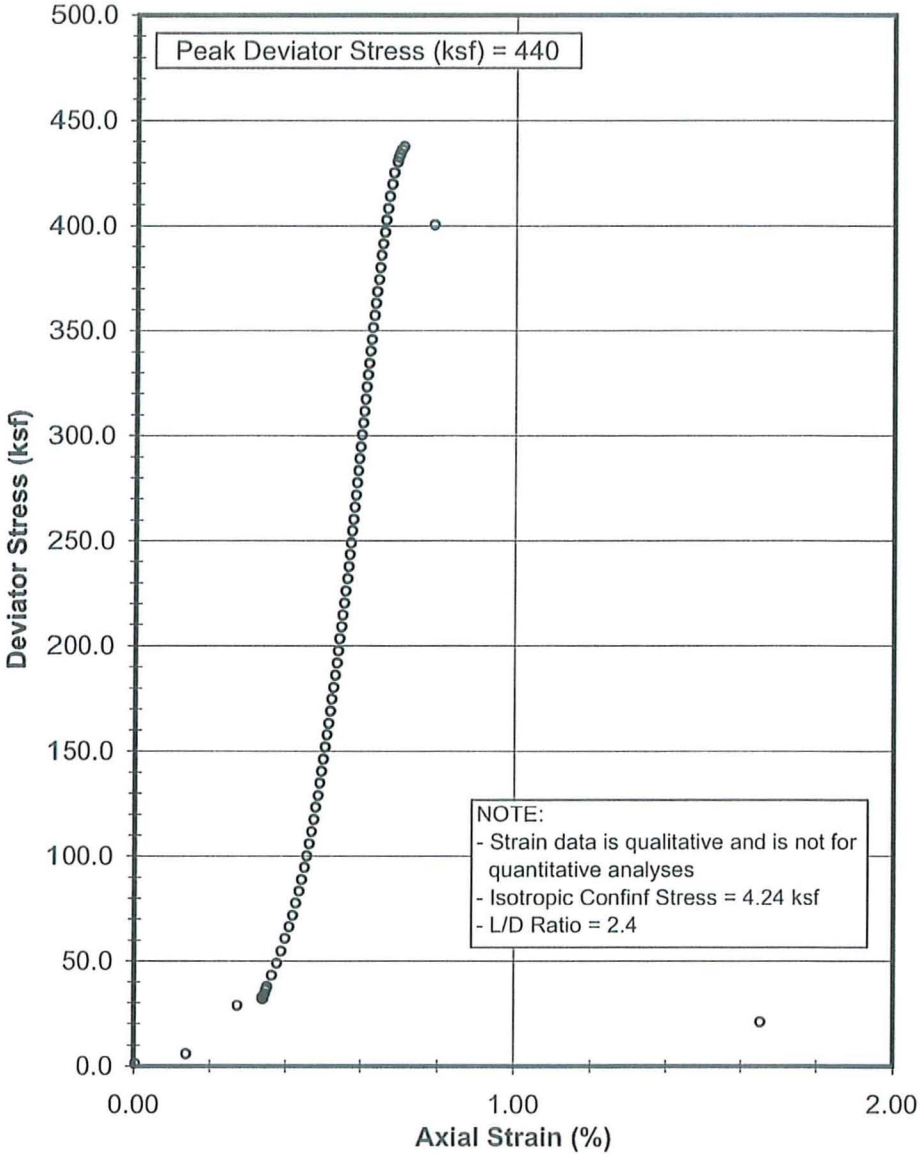


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 8 - Depth 32.3 ft

Boring B-2005

APPENDIX E

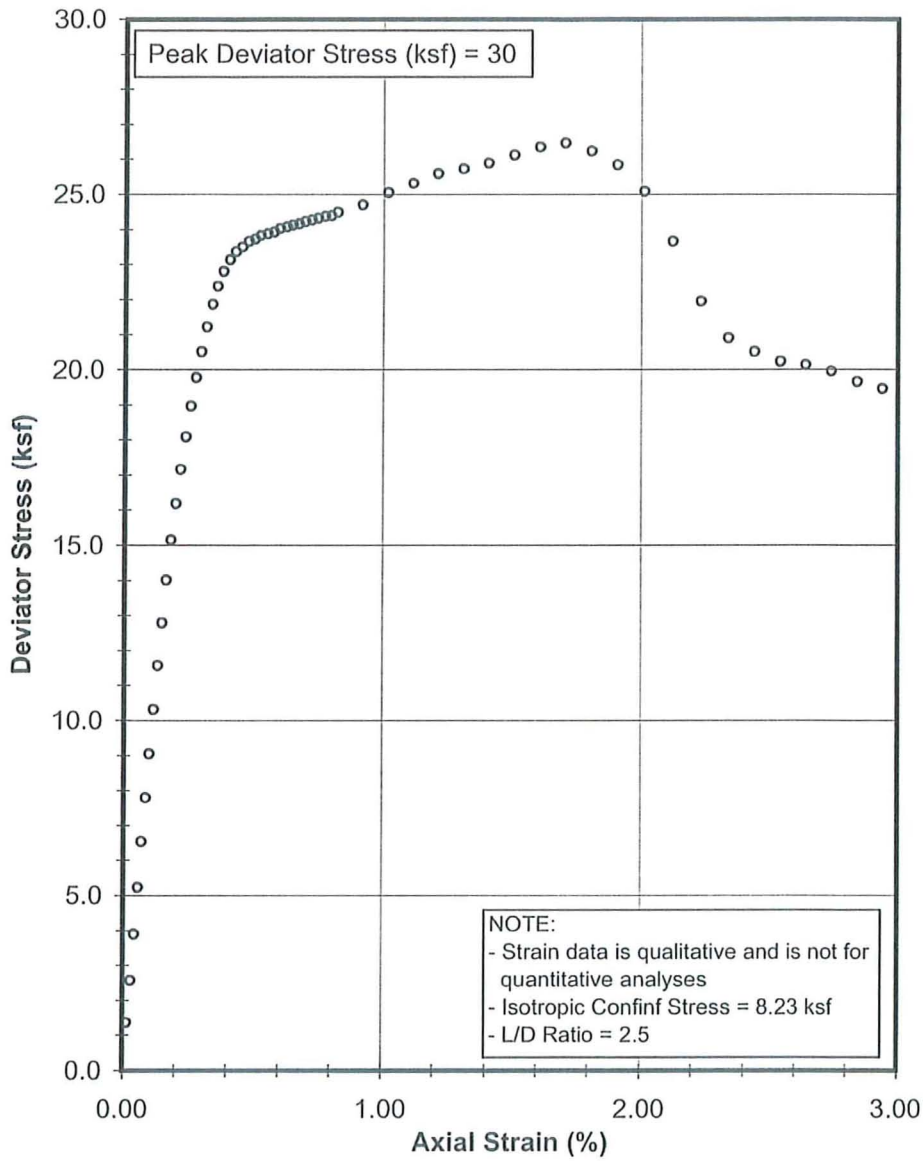


UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

Sample No. 6 - Depth 23.8 ft

Boring B-2036

APPENDIX E



UNCONSOLIDATED UNDRAINED (UU) TRIAXIAL TEST

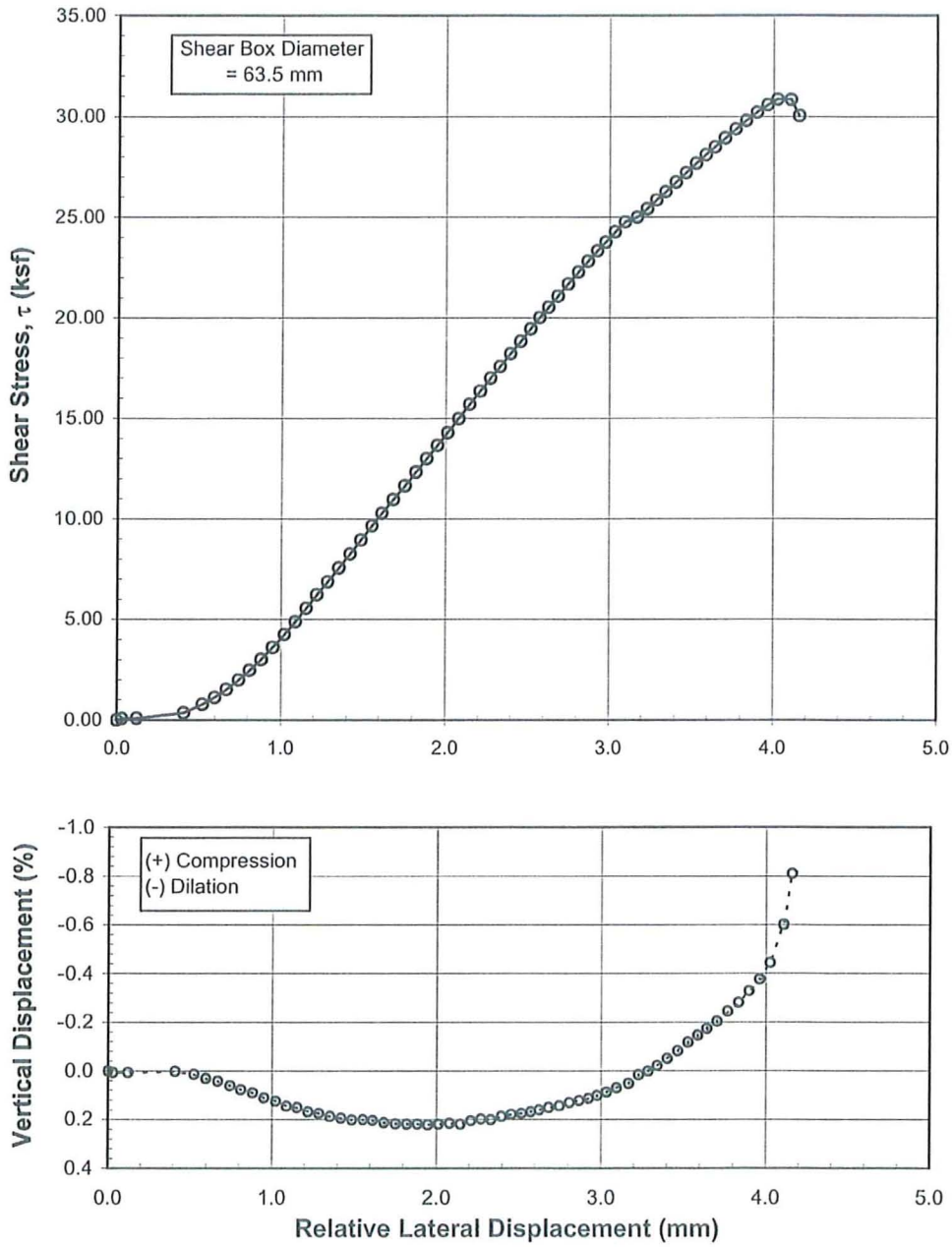
Sample No. 12 - Depth 57.1 ft

Boring B-2036

APPENDIX F

Direct Shear Test Results

APPENDIX F

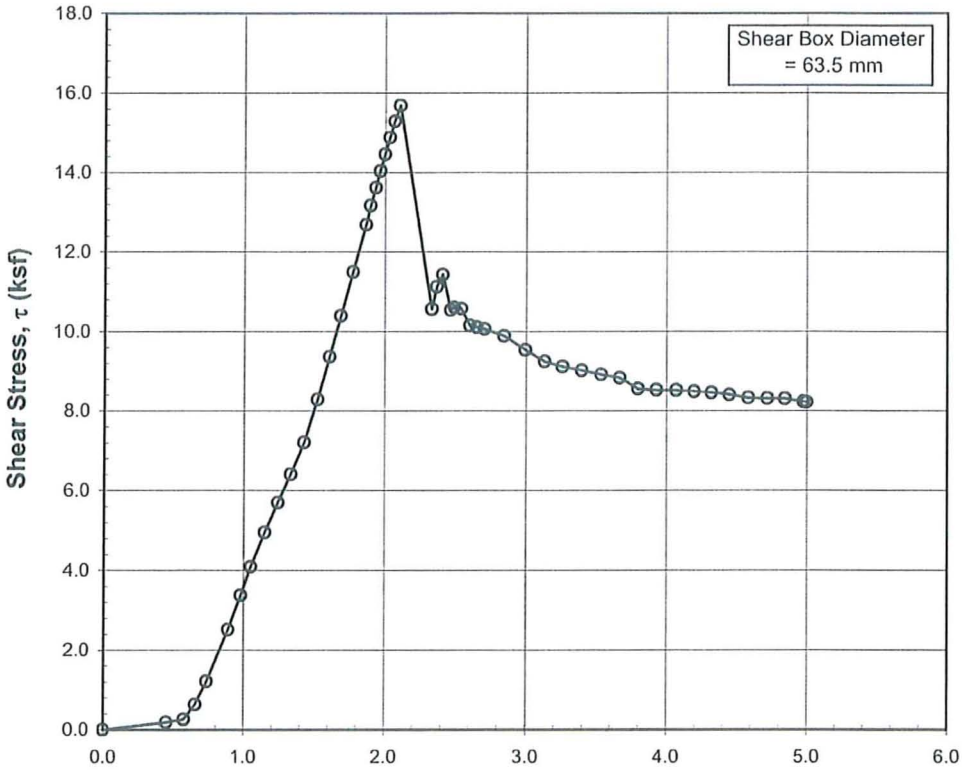


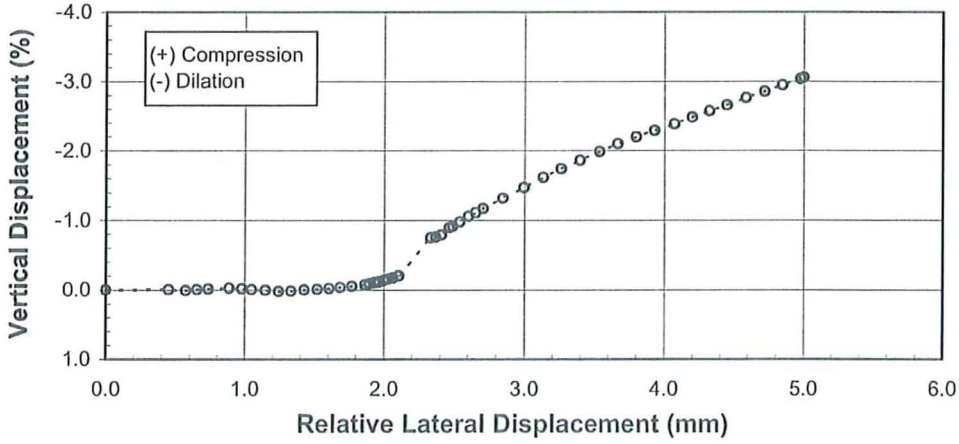
DRAINED DIRECT SHEAR TEST: 1st Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 17.32 ksf

Boring: B-1042 - Sample: 15b - Depth: 59.35 ft

APPENDIX F



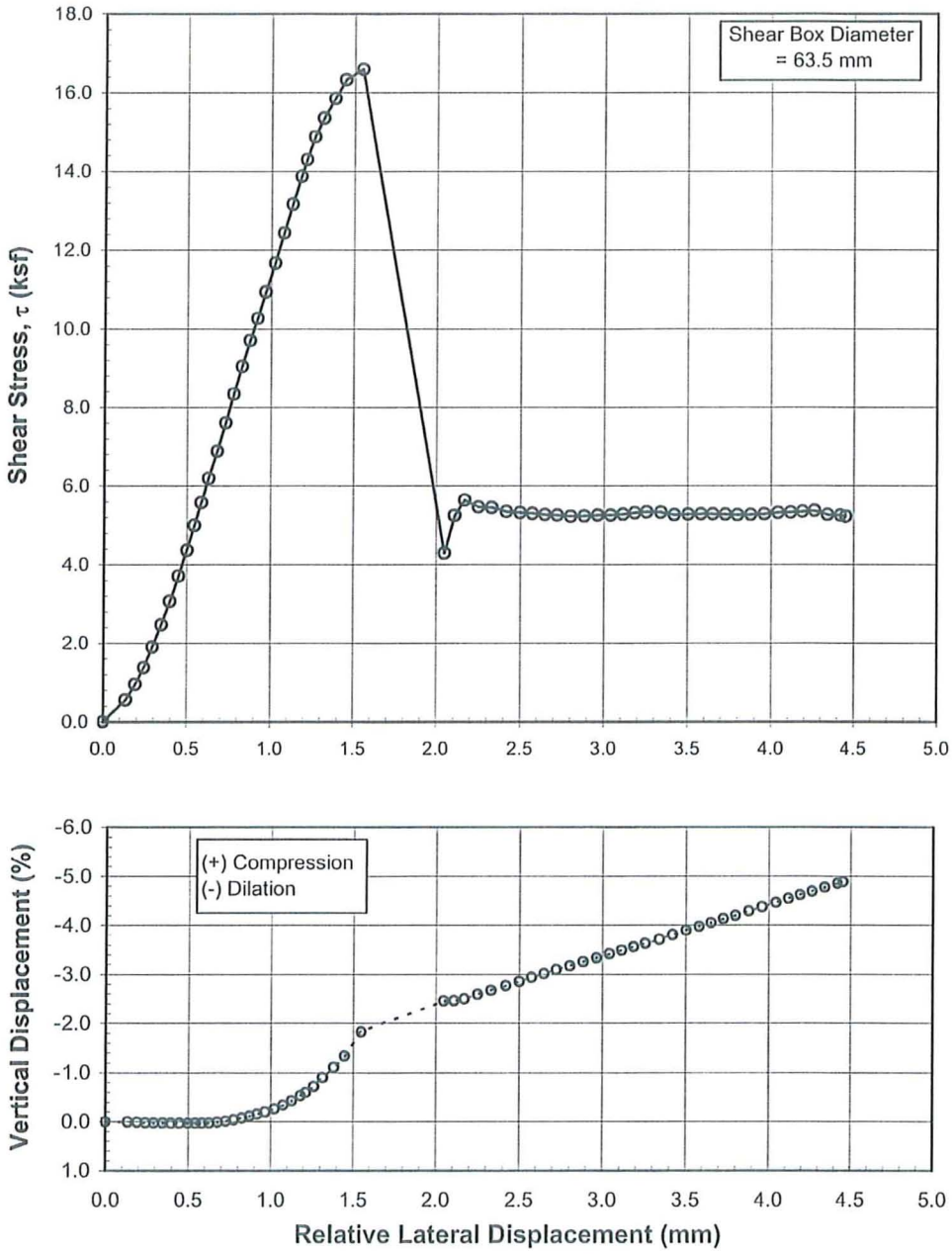


DRAINED DIRECT SHEAR TEST: 2nd Test in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 8.66 ksf

Boring: B-1042 - Sample: 15b - Depth: 59.45 ft

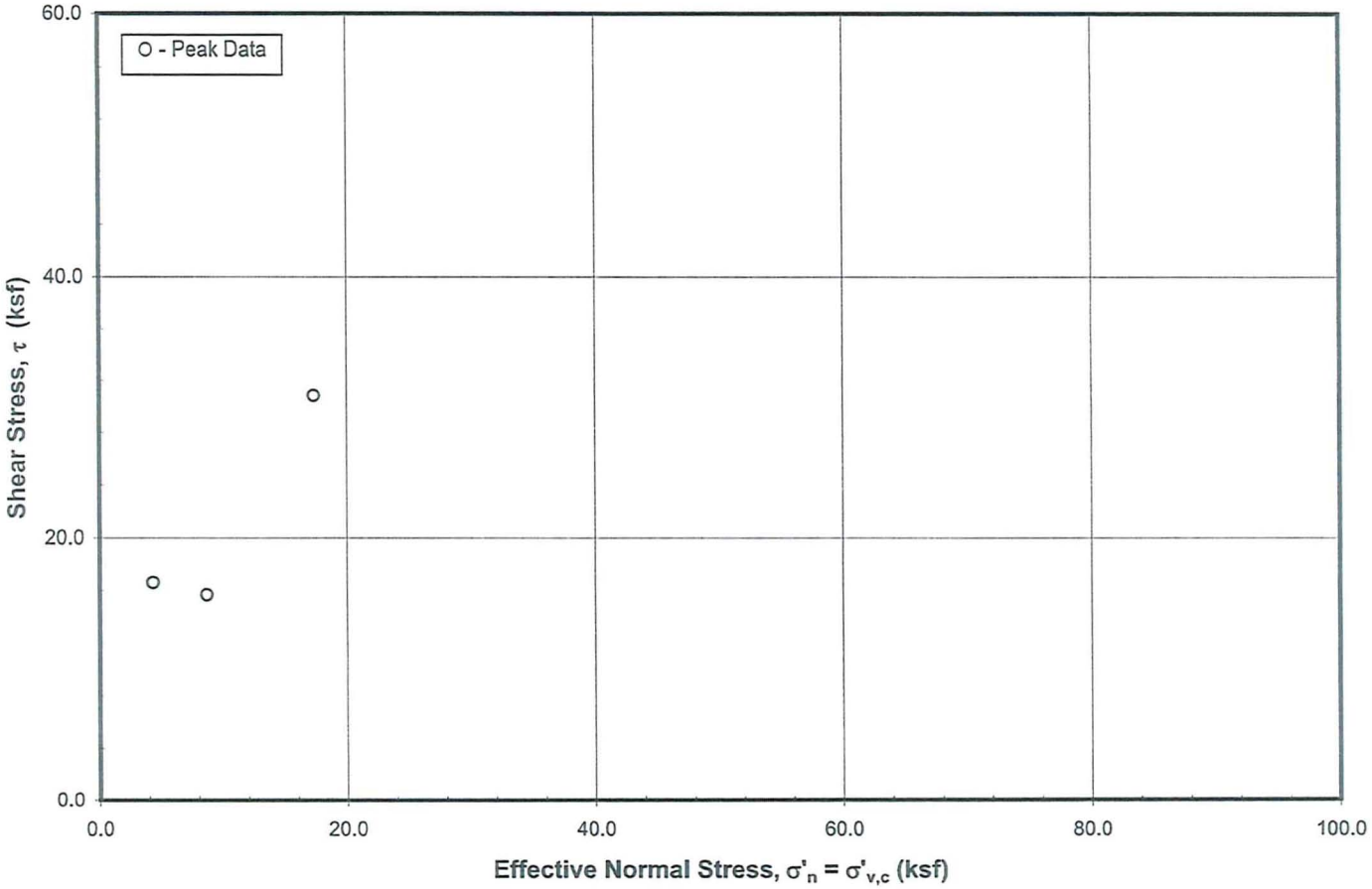
APPENDIX F



DRAINED DIRECT SHEAR TEST: 3rd Test in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 4.33 ksf

Boring: B-1042 - Sample: 15b - Depth: 59.55 ft

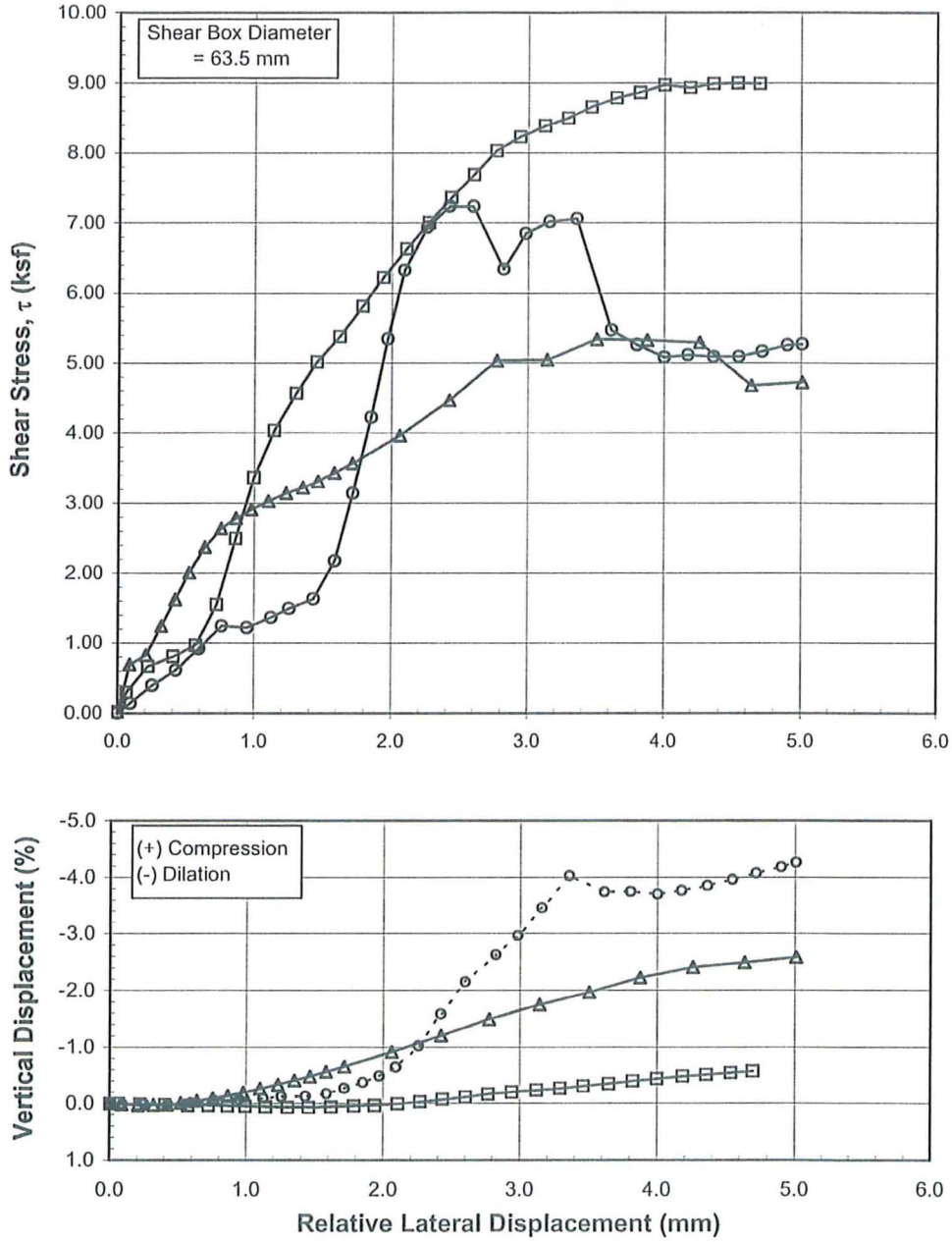


DRAINED DIRECT SHEAR TEST: Test Series - (Peak)

Soil - Soil Interface & OCR = Unkown

Boring: B-1042 - Sample: 15b - Depth: 59.35 ft

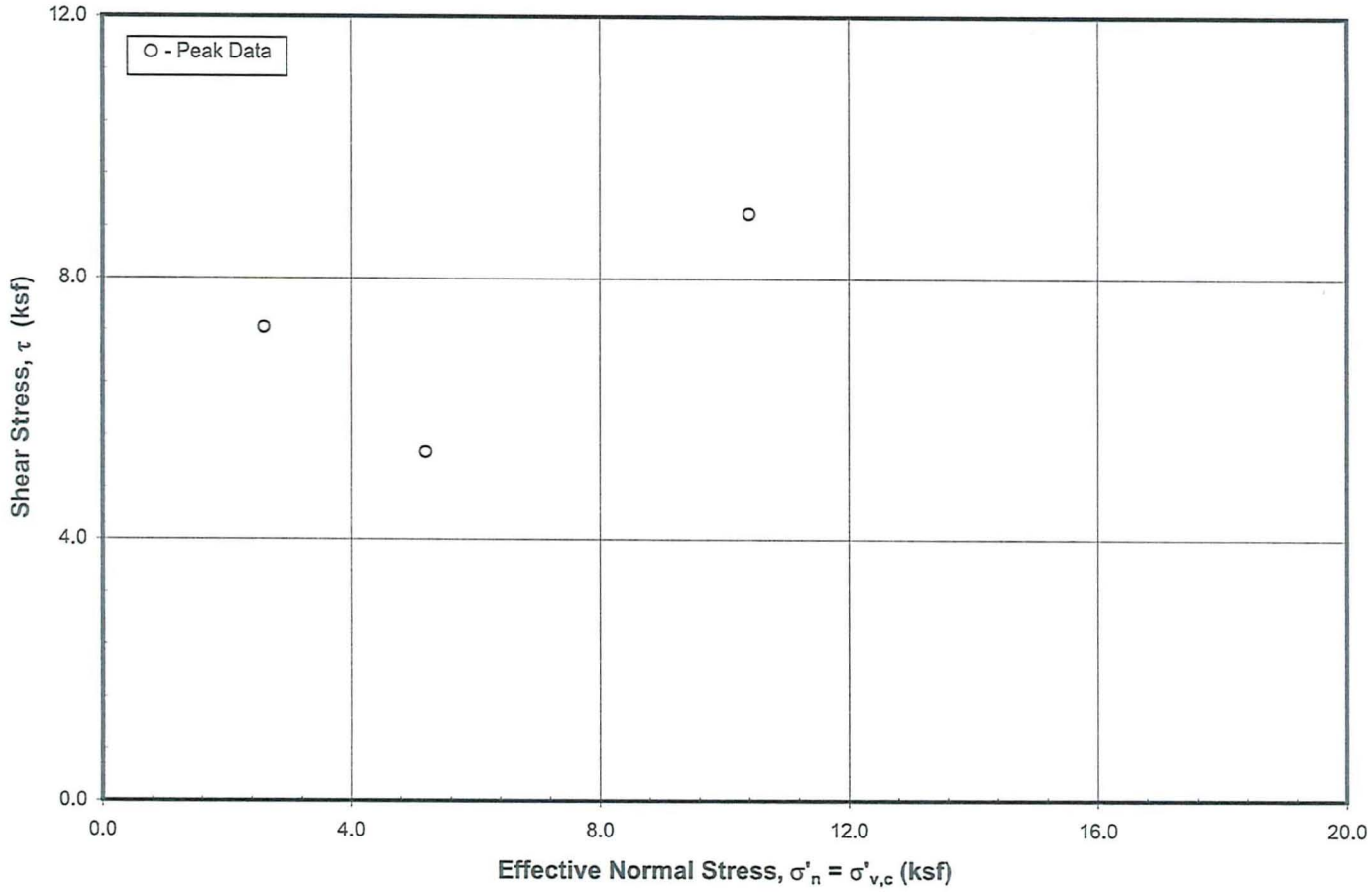
APPENDIX F



DRAINED DIRECT SHEAR TEST: All Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 2.6, 5.2, 10.4 ksf

Boring: B-1043 - Sample: 1043-07 - Depth: 31.3 ft

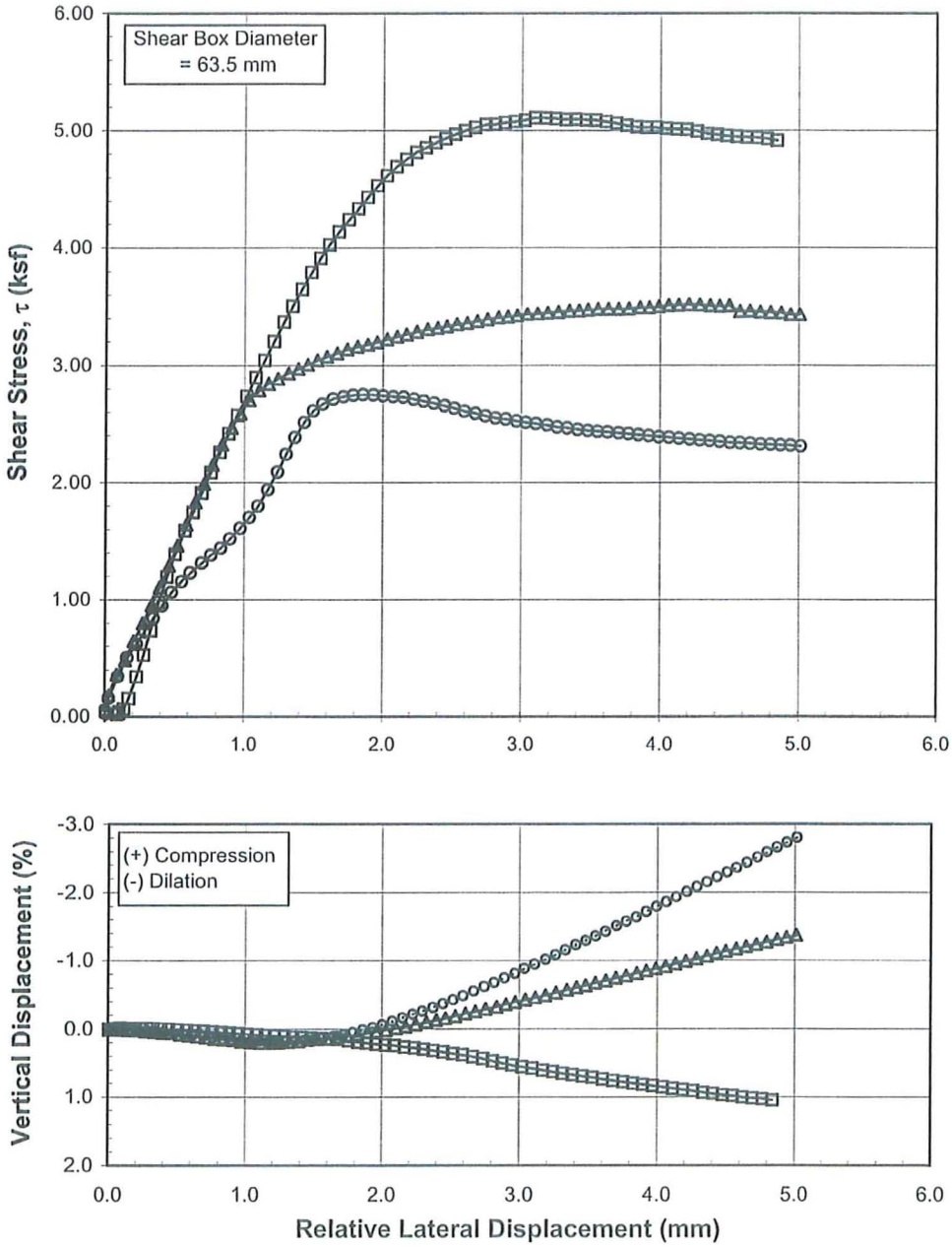


DRAINED DIRECT SHEAR TEST: Test Series - (Peak)

Soil - Soil Interface & OCR = Unkown

Boring: B-1043 - Sample: 1043-07 - Depth: 31.3 ft

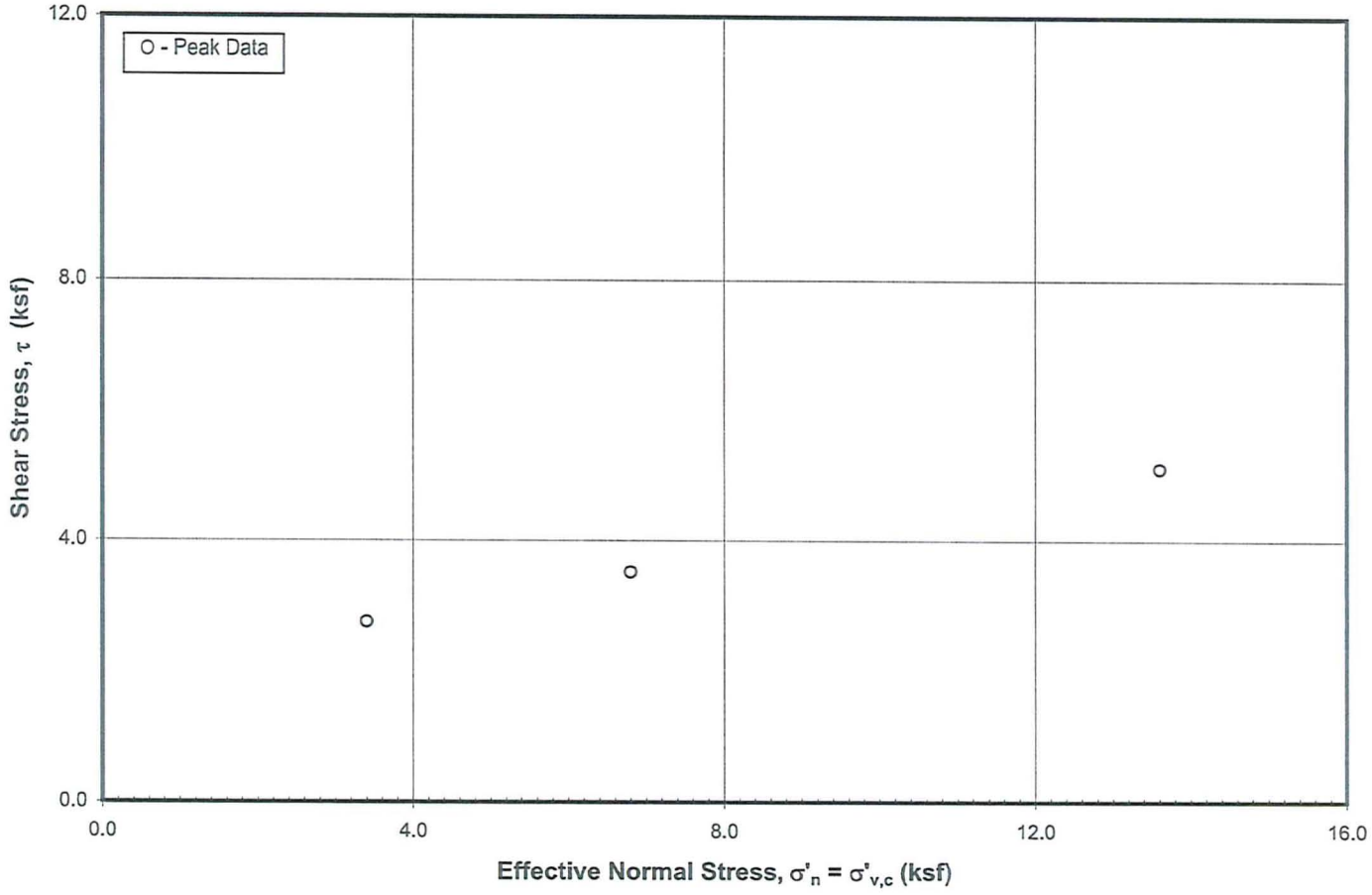
APPENDIX F



DRAINED DIRECT SHEAR TEST: All Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 3.4, 6.8, 13.6 ksf

Boring: B-1048 - Sample: 14a - Depth: 52.50 ft

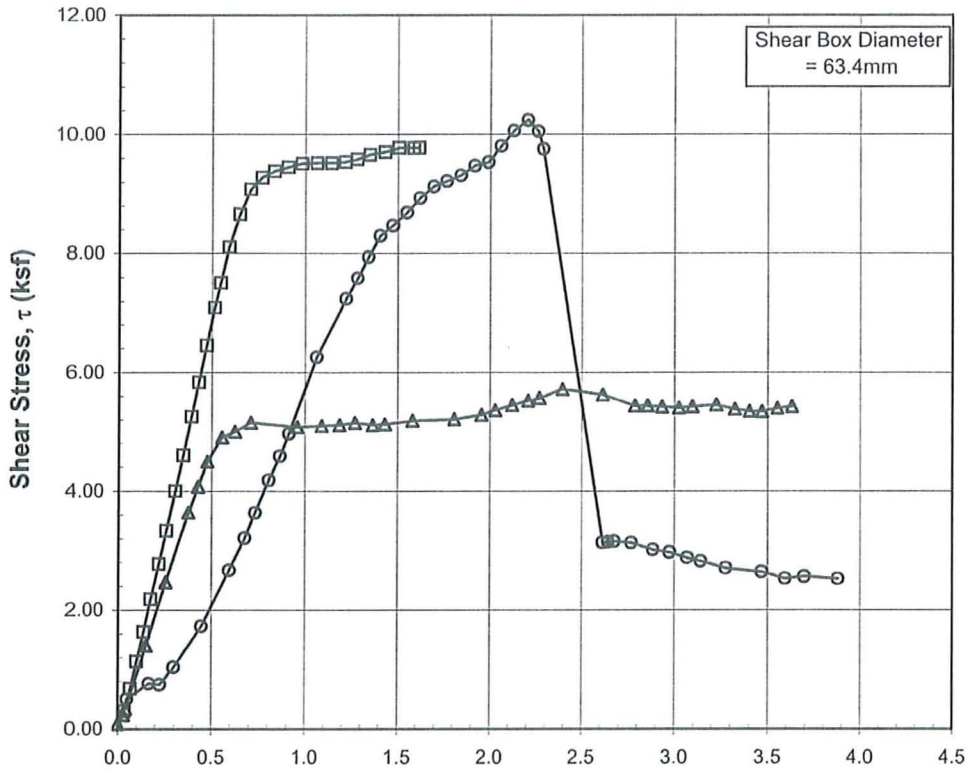


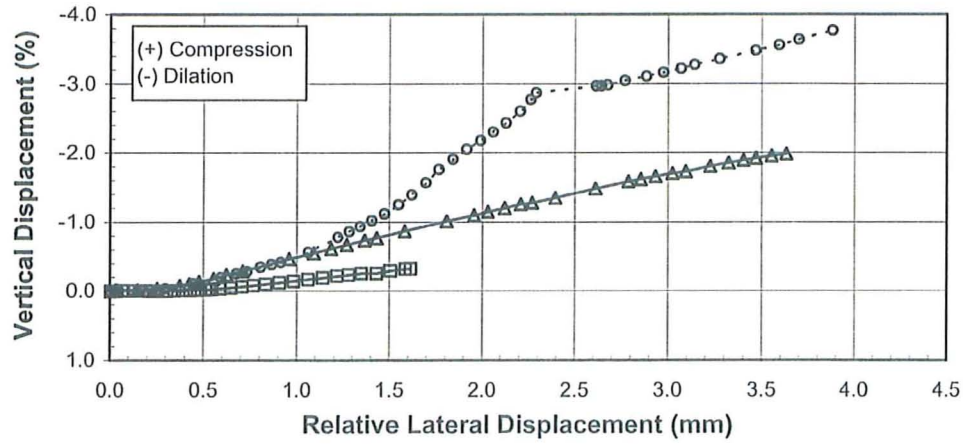
DRAINED DIRECT SHEAR TEST: Test Series - (Peak)

Soil - Soil Interface & OCR = Unkown

Boring: B-1048 - Sample: 14a - Depth: 52.50 ft

APPENDIX F



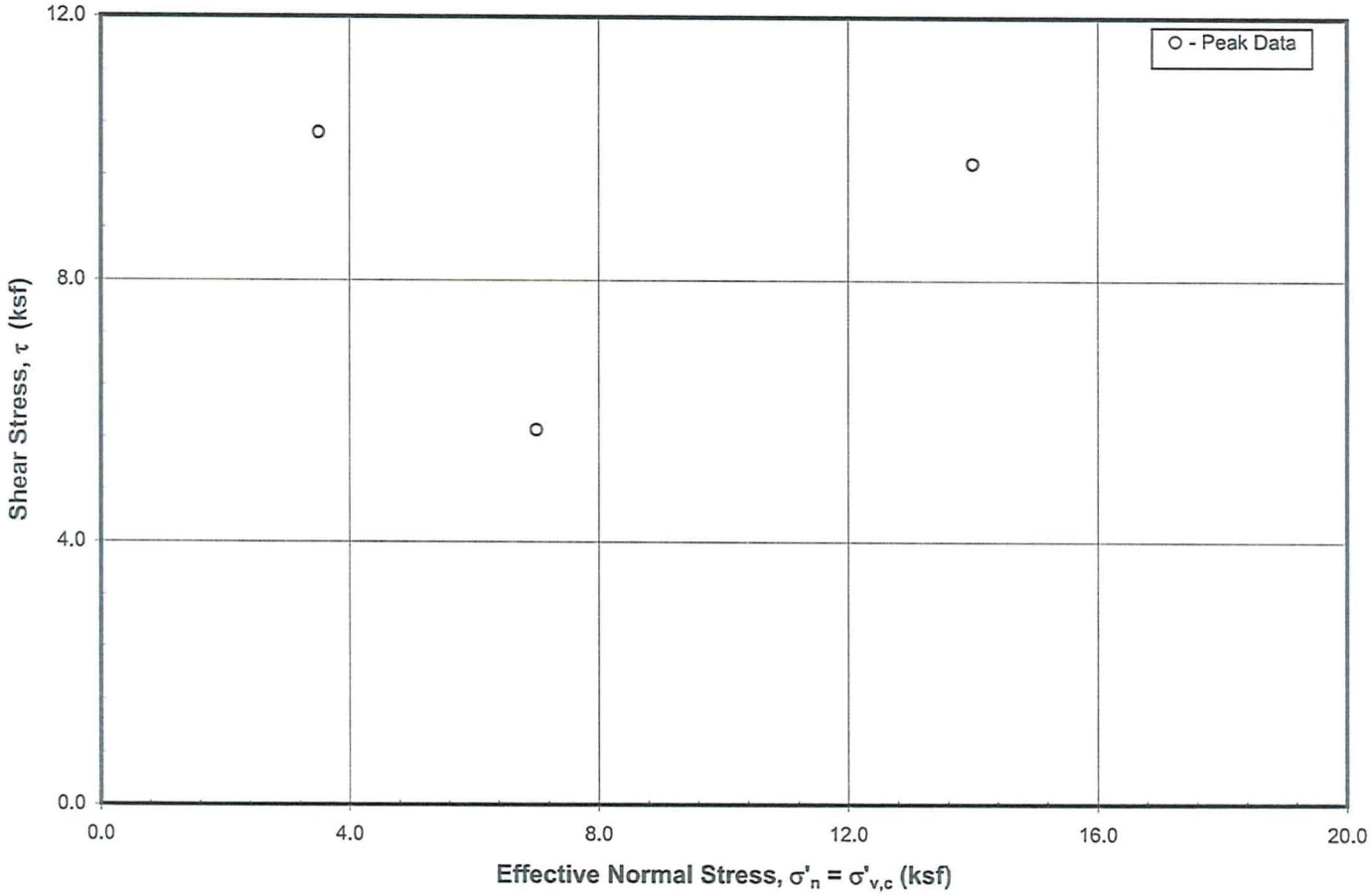


DRAINED DIRECT SHEAR TEST: All Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 3.5, 7, 14 ksf

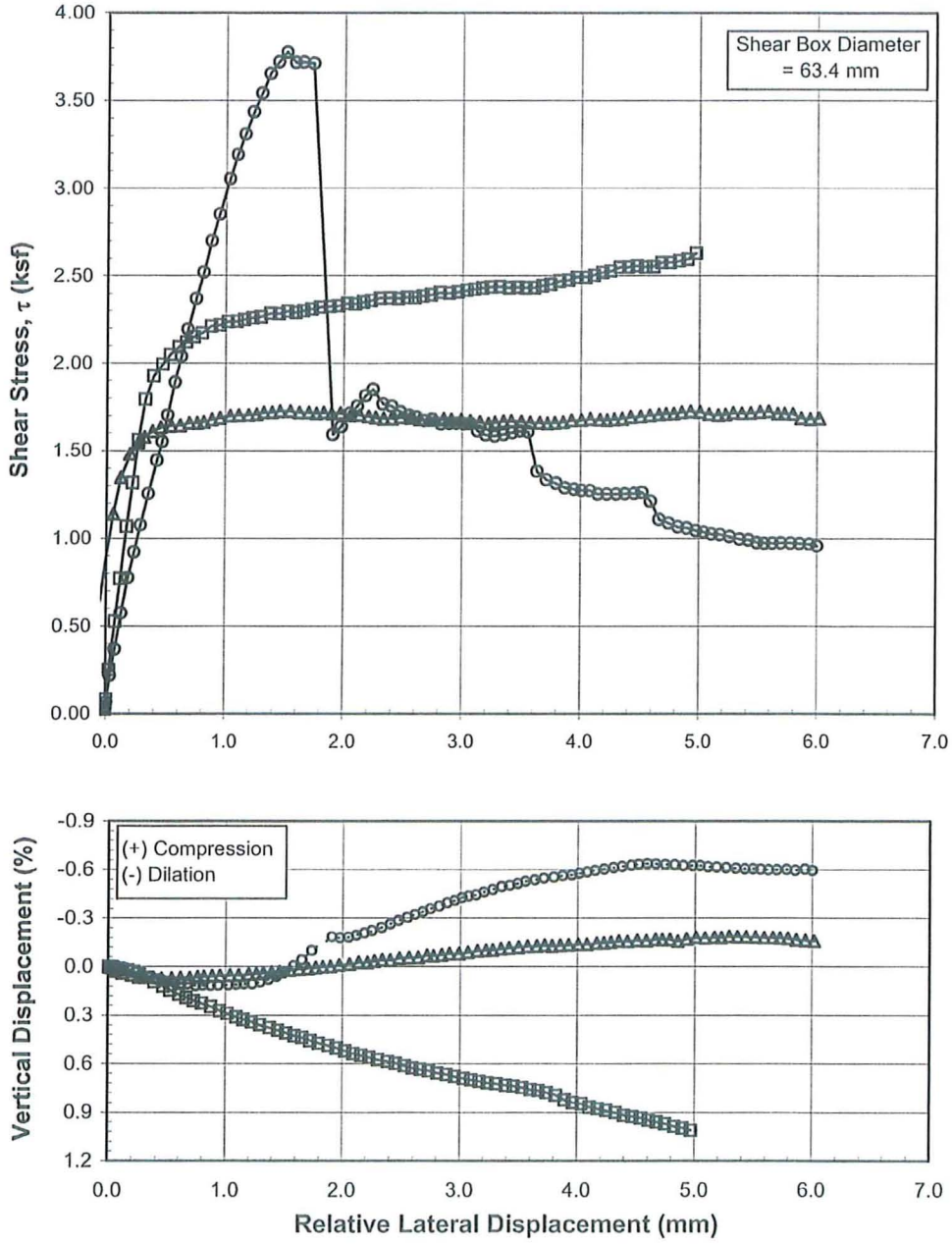
Boring: 1050 - Sample: 12 - Depth: 48.4 ft

APPENDIX F



DRAINED DIRECT SHEAR TEST: Test Series - (Peak)
Soil - Soil Interface & OCR = Unkown
Boring: 1050 - Sample: 12 - Depth: 48.4 ft

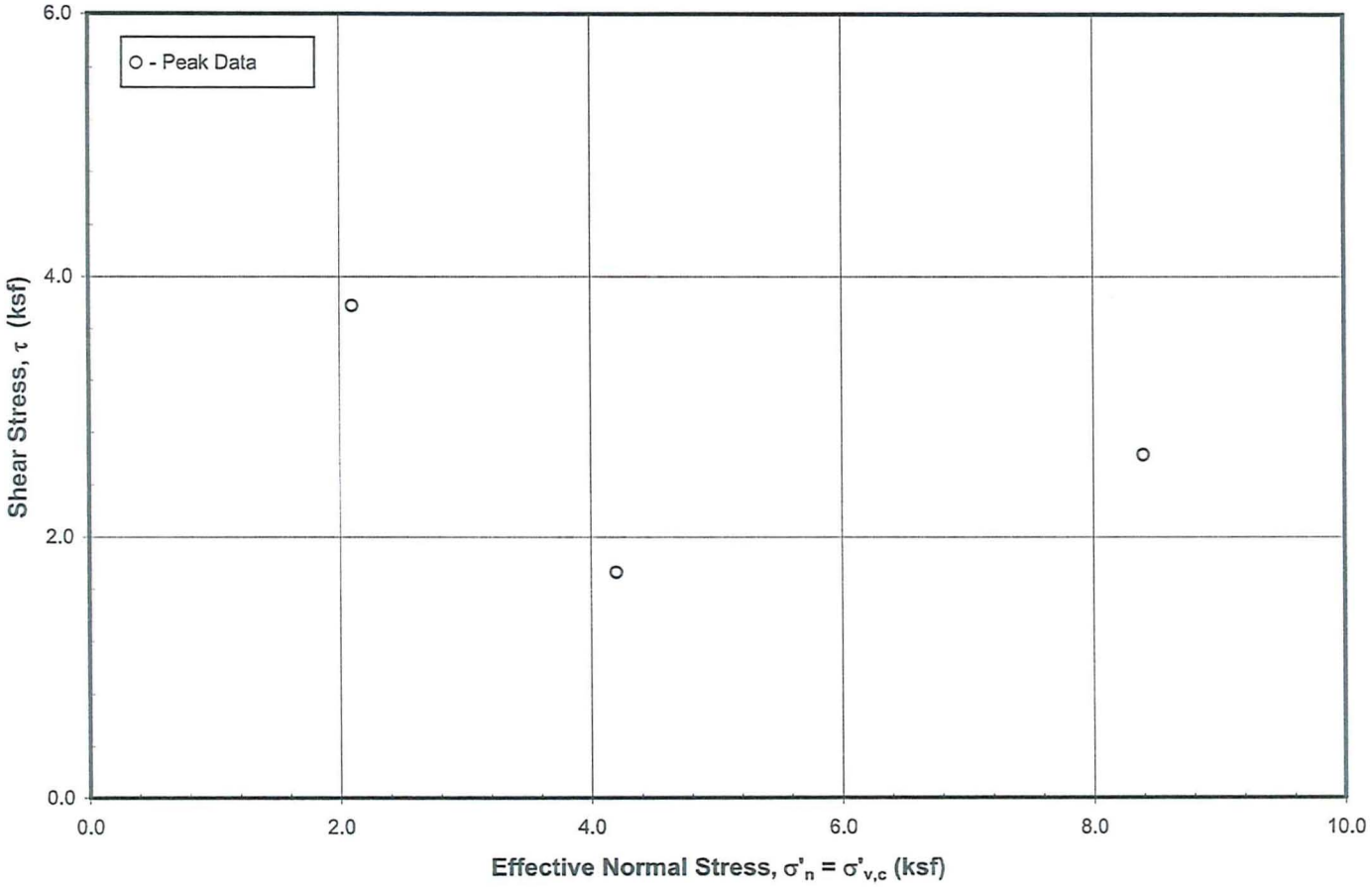
APPENDIX F



DRAINED DIRECT SHEAR TEST: All Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 2.1, 4.2, 8.4 ksf

Boring: 2000-A - Sample: 8 - Depth: 28.80 ft

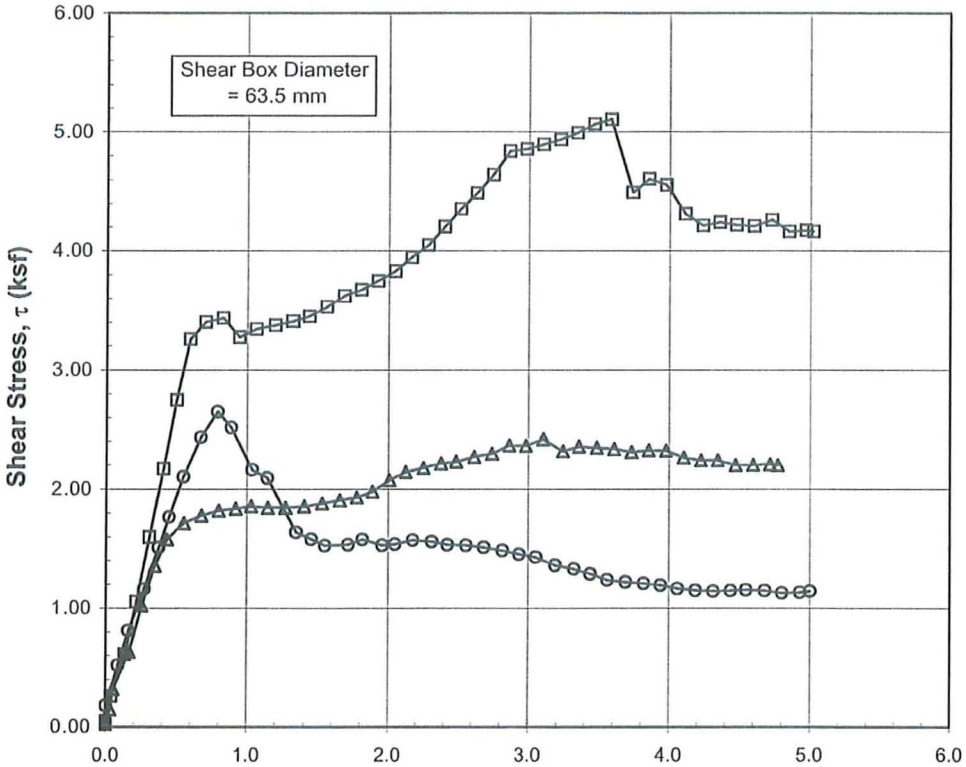


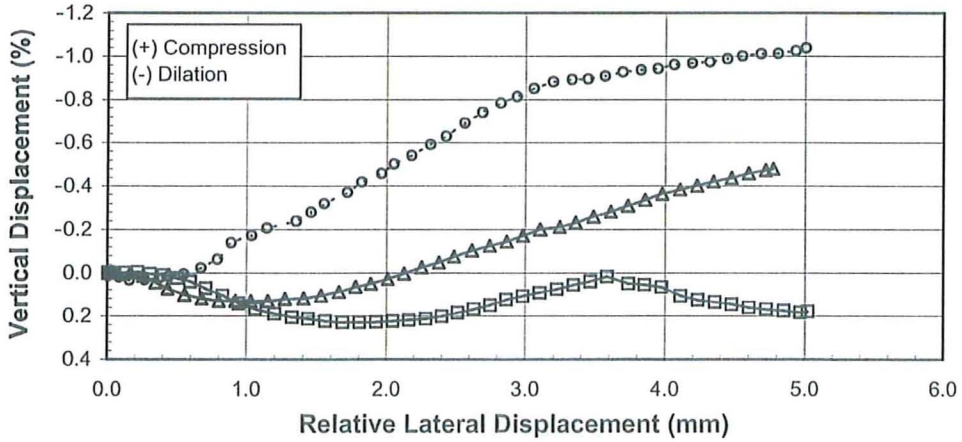
DRAINED DIRECT SHEAR TEST: Test Series - (Peak)

Soil - Soil Interface & OCR = Unkown

Boring: 2000-A - Sample: 8 - Depth: 28.80 ft

APPENDIX F

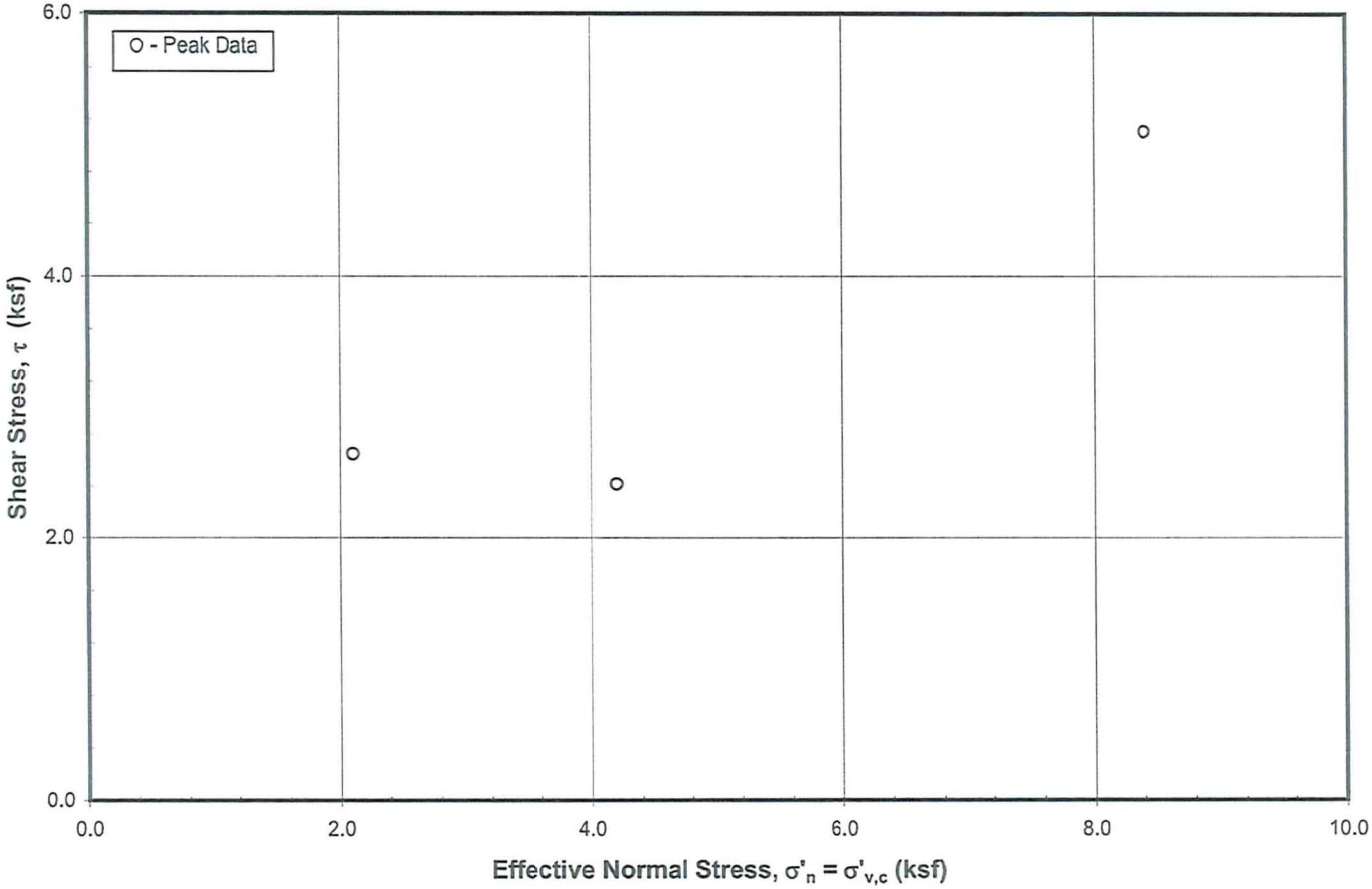




DRAINED DIRECT SHEAR TEST: All Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 2.1, 4.2, 8.4 ksf

Boring: B-2001C - Sample: 2 - Depth: 28.90 ft

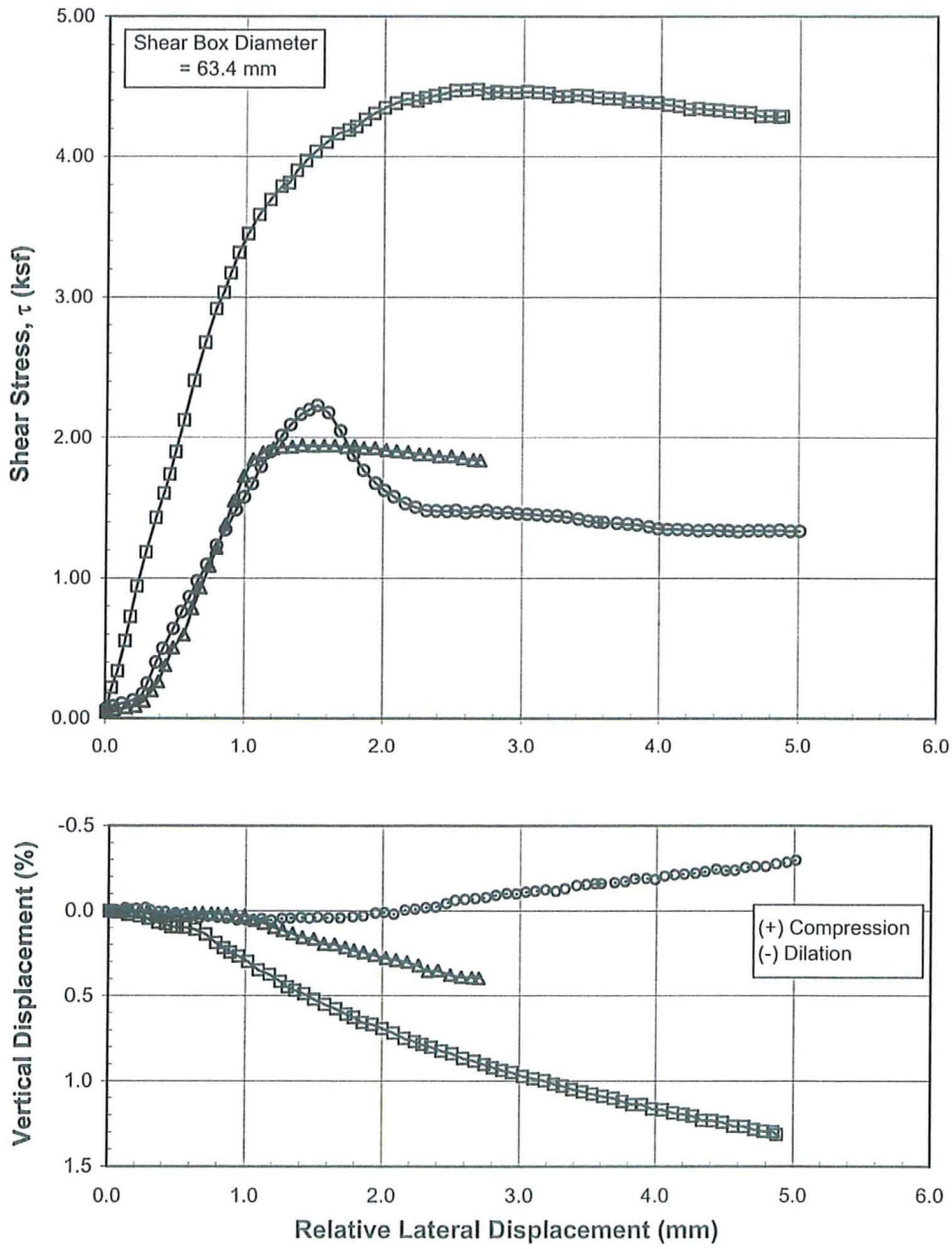


DRAINED DIRECT SHEAR TEST: Test Series - (Peak)

Soil - Soil Interface & OCR = Unkown

Boring: B-2001C - Sample: 2 - Depth: 28.90 ft

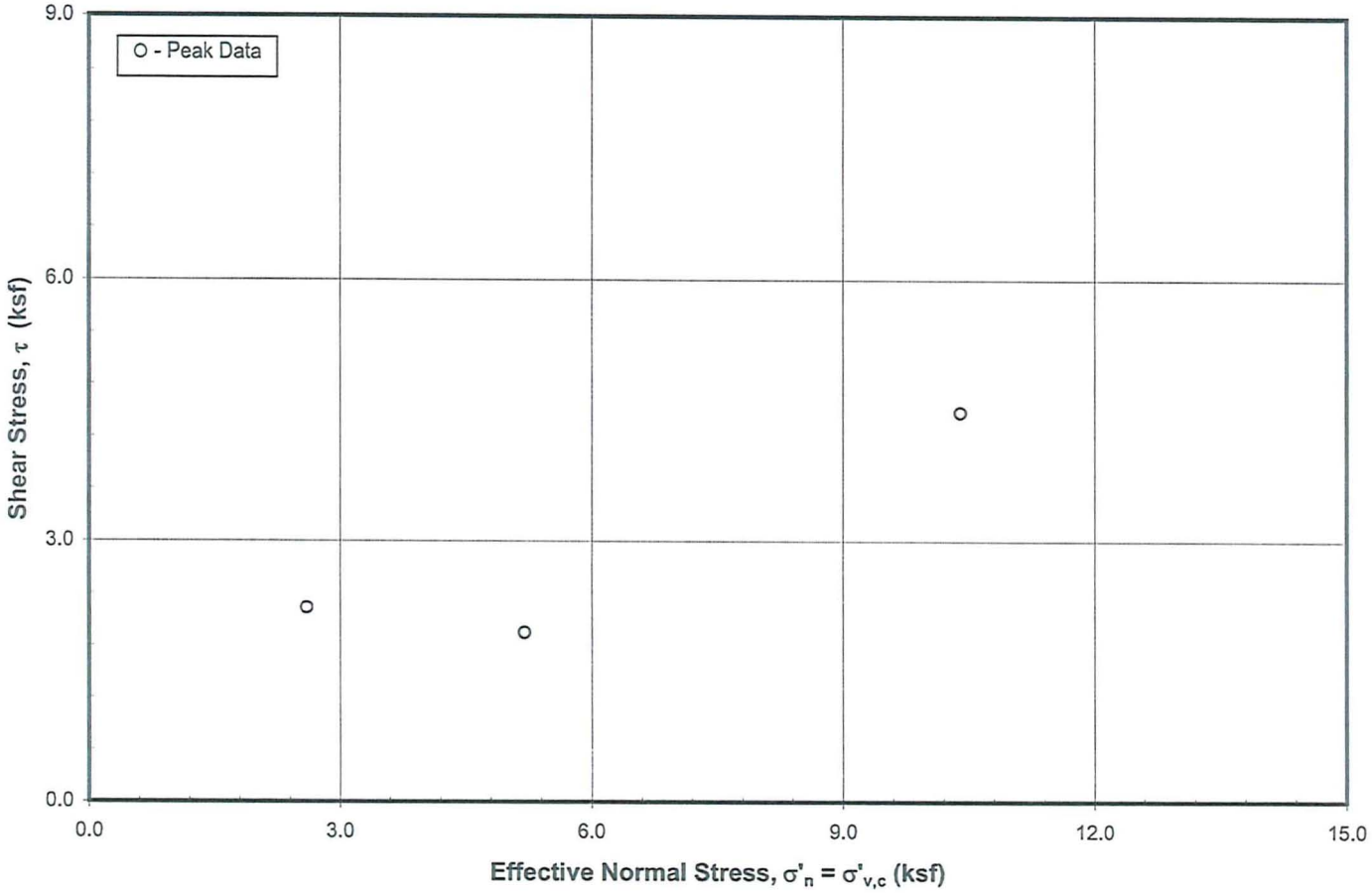
APPENDIX F



DRAINED DIRECT SHEAR TEST: All Tests in Test Series

Soil - Soil Interface $\sigma'_{v,c}$ = 2.6, 5.2, 10.4 ksf

Boring: 2051 - Sample: 2051-4 - Depth: 16.00 ft



DRAINED DIRECT SHEAR TEST: Test Series - (Peak)

Soil - Soil Interface & OCR = Unkown

Boring: 2051 - Sample: 2051-4 - Depth: 16.00 ft