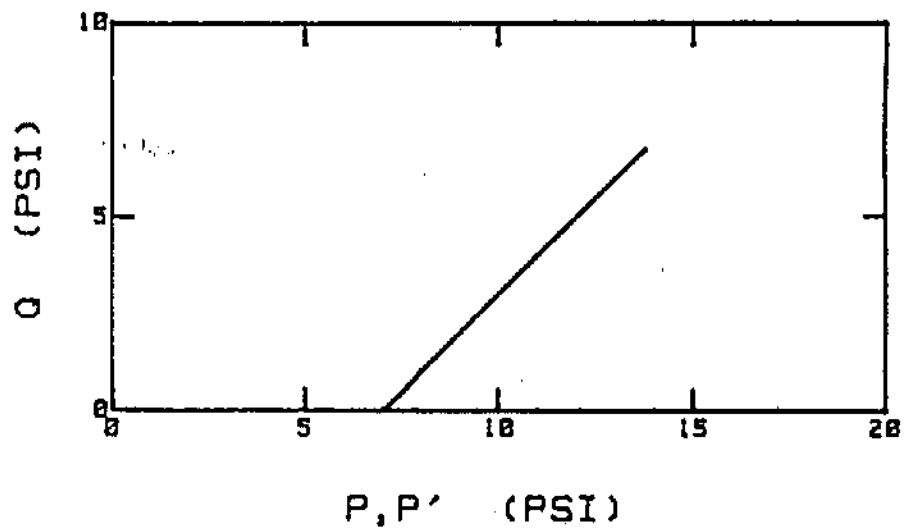


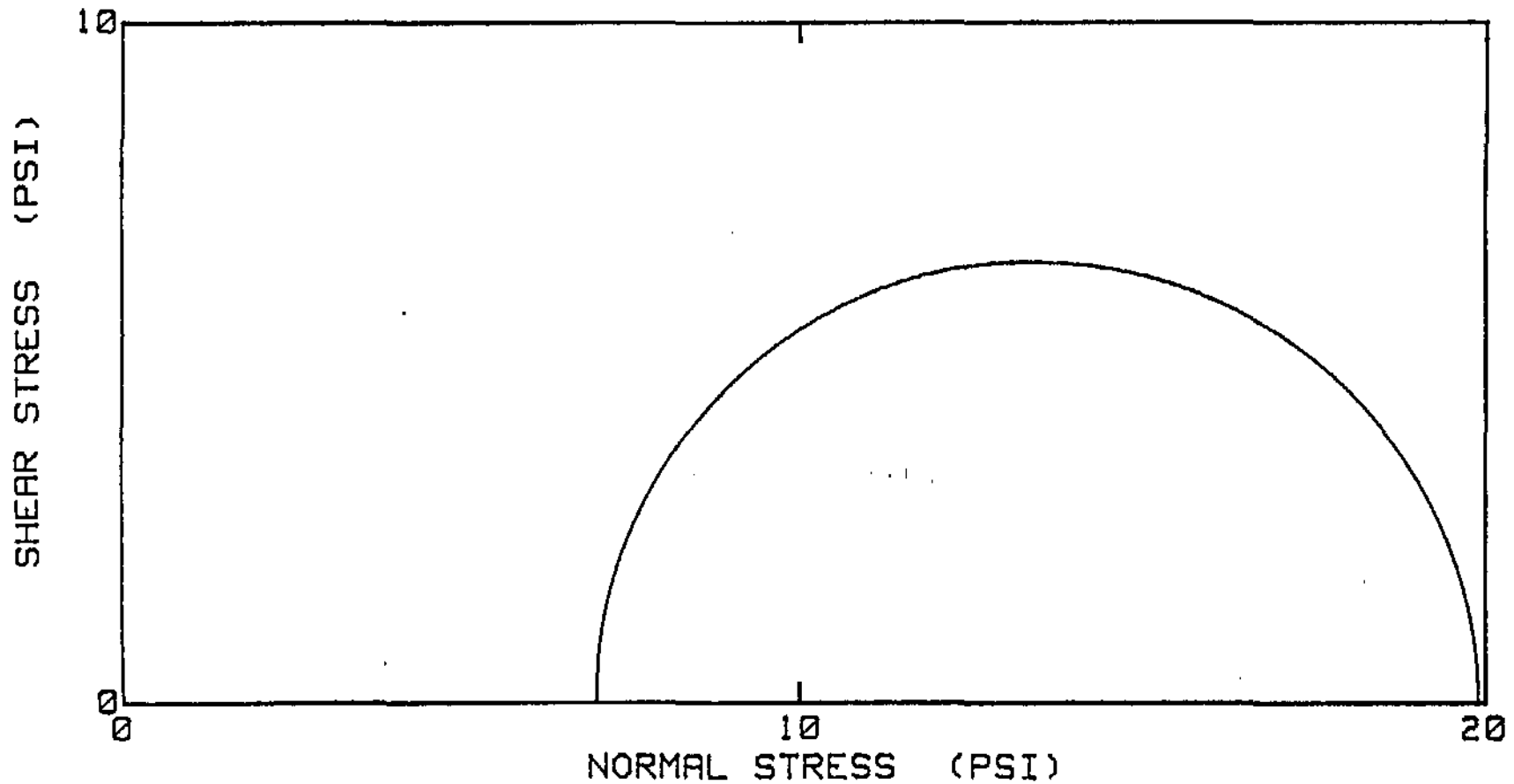
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # C-3 DEPTH : 5.8'
 SAMPLE #
 INITIAL DRY DENSITY: 89.3 pcf
 TOTAL CONFINING PRESSURE : 7.8 psf
 LABORATORY # T97839
 DATE: 16 Apr 1996 14:08:43

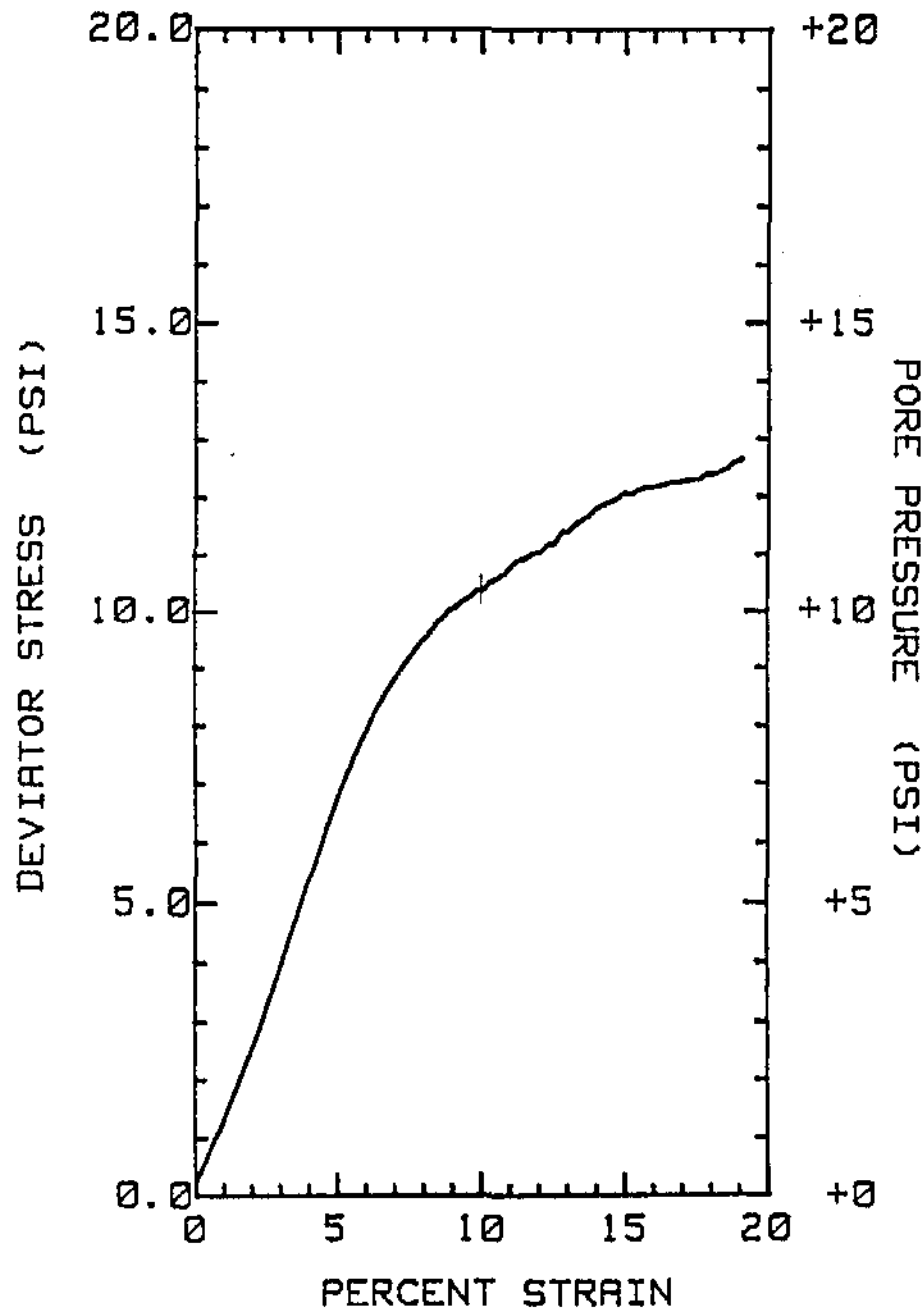


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # C-3
SAMPLE #
DEPTH: 5.0'

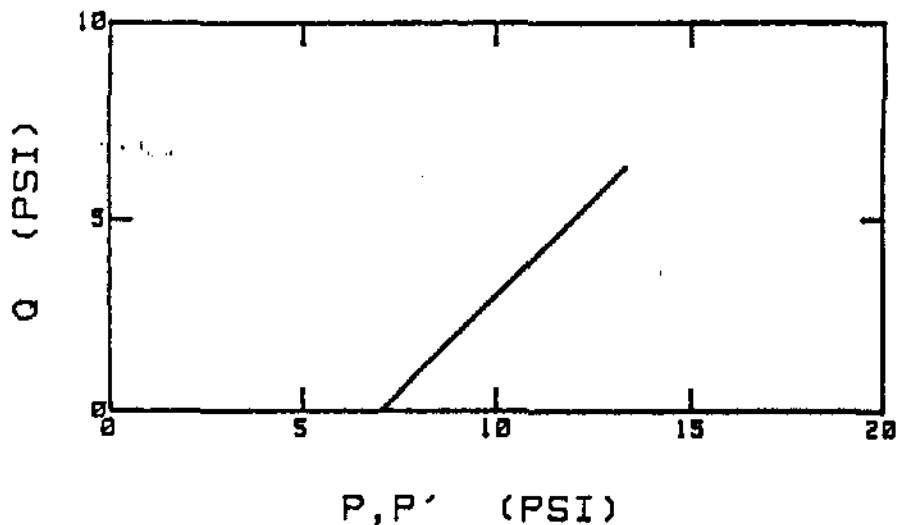
LAB # T97039; $\bar{q}_v = 7.0$ psi; $\gamma_s = 89.3$ pcf

DATE : 16 Apr 1996 14:08:43





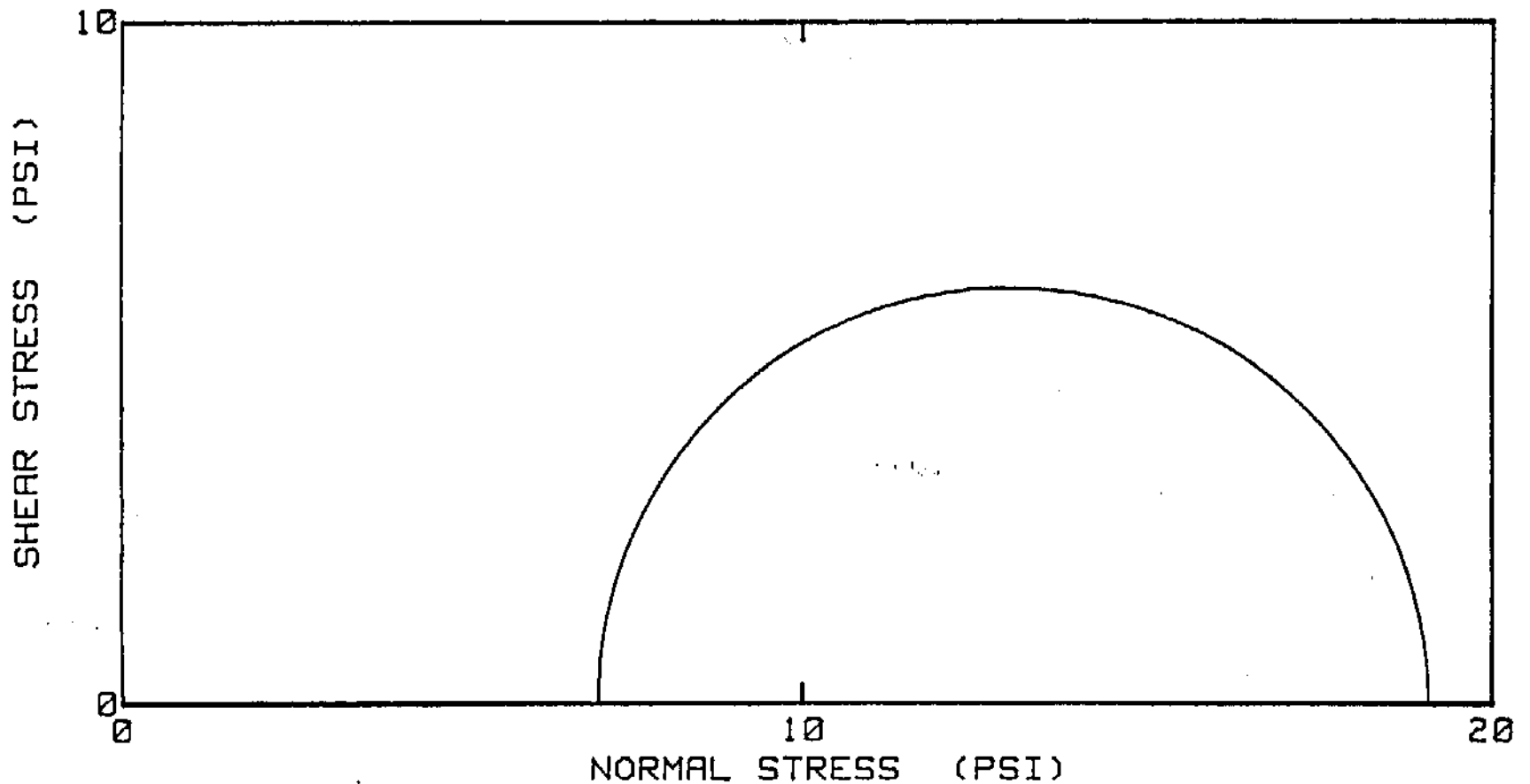
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # C-4 DEPTH : 2.0'
 SAMPLE #
 INITIAL DRY DENSITY: 82.5 pcf
 TOTAL CONFINING PRESSURE : 7.8 psi
 LABORATORY # T97038
 DATE: 16 Apr 1996 13:27:37

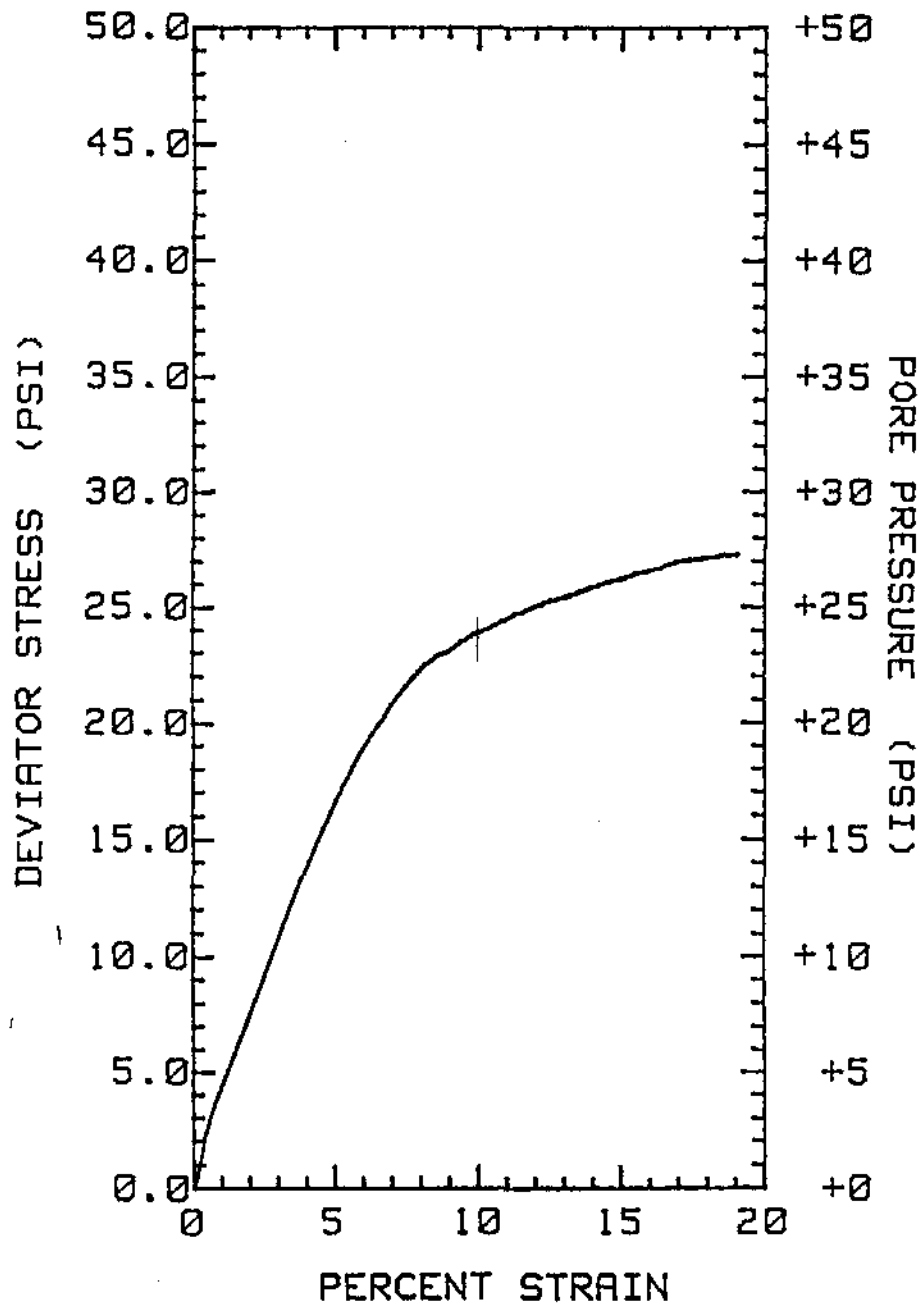


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # C-4
SAMPLE #
DEPTH: 2.0'

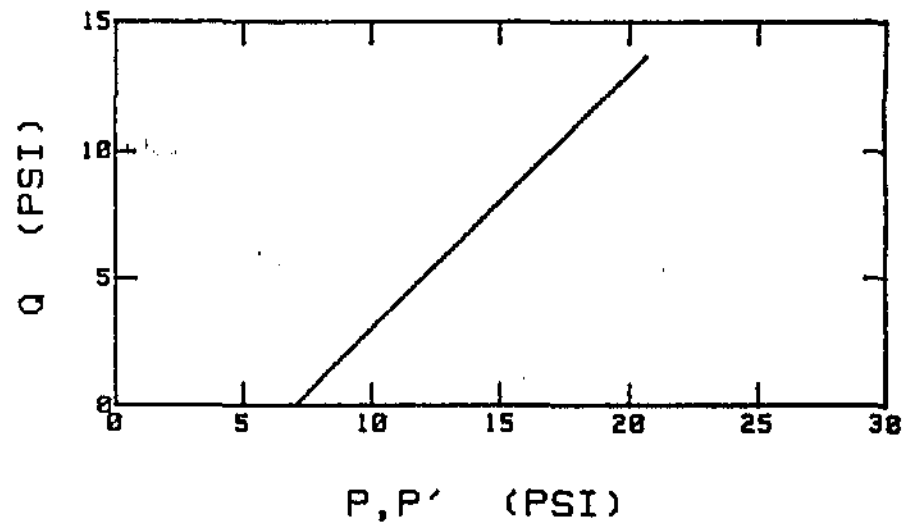
LAB # T97038; $\bar{\sigma}_v = 7.0$ psi; $\gamma_s = 82.5$ pcf

DATE : 16 Apr 1996 13:27:37





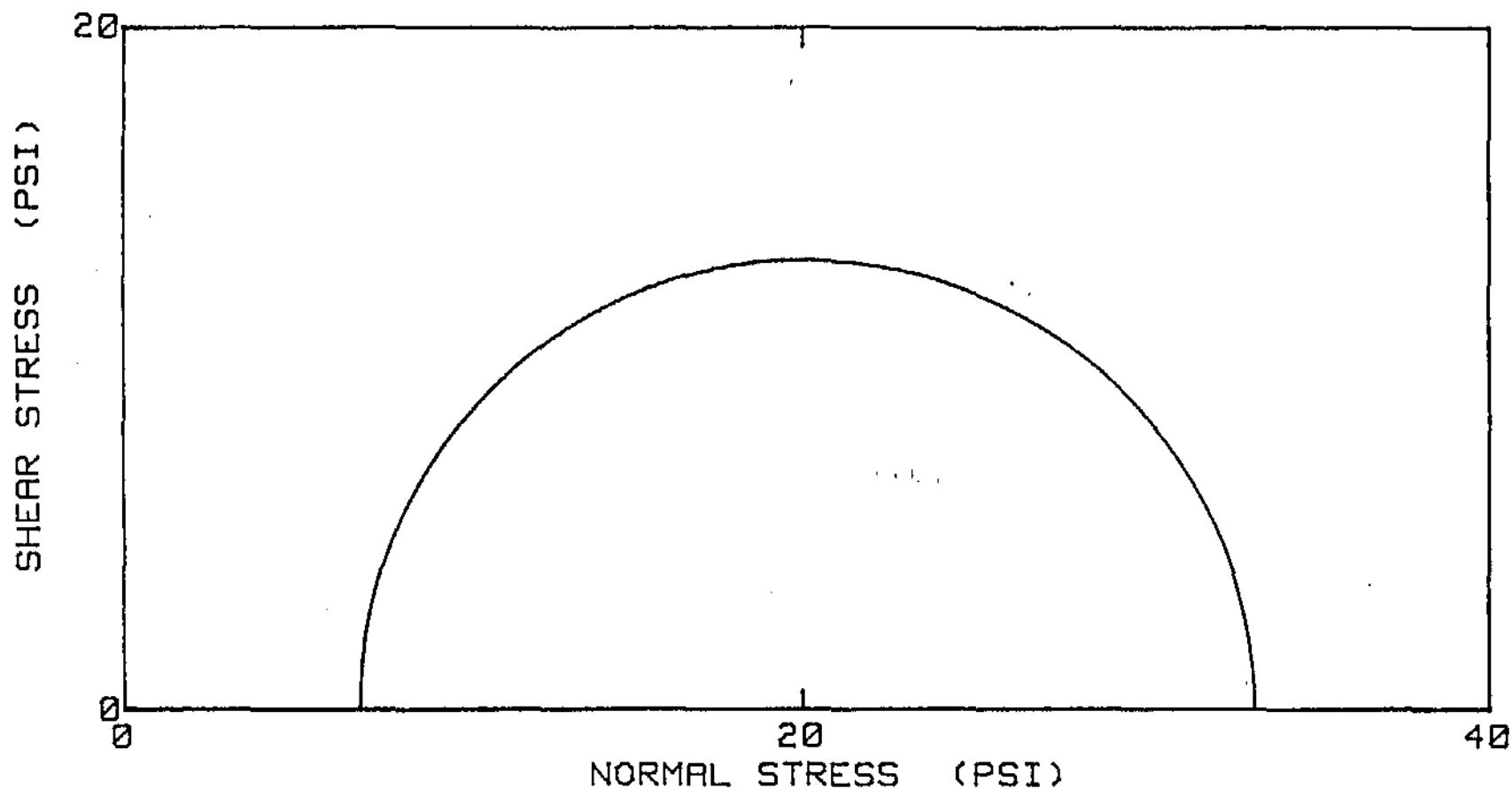
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-1 DEPTH : 3.0'
 SAMPLE #
 INITIAL DRY DENSITY: 74.1 pcf
 TOTAL CONFINING PRESSURE : 7.8 psi
 LABORATORY # T97819
 DATE: 3 Apr 1996 15:05:33

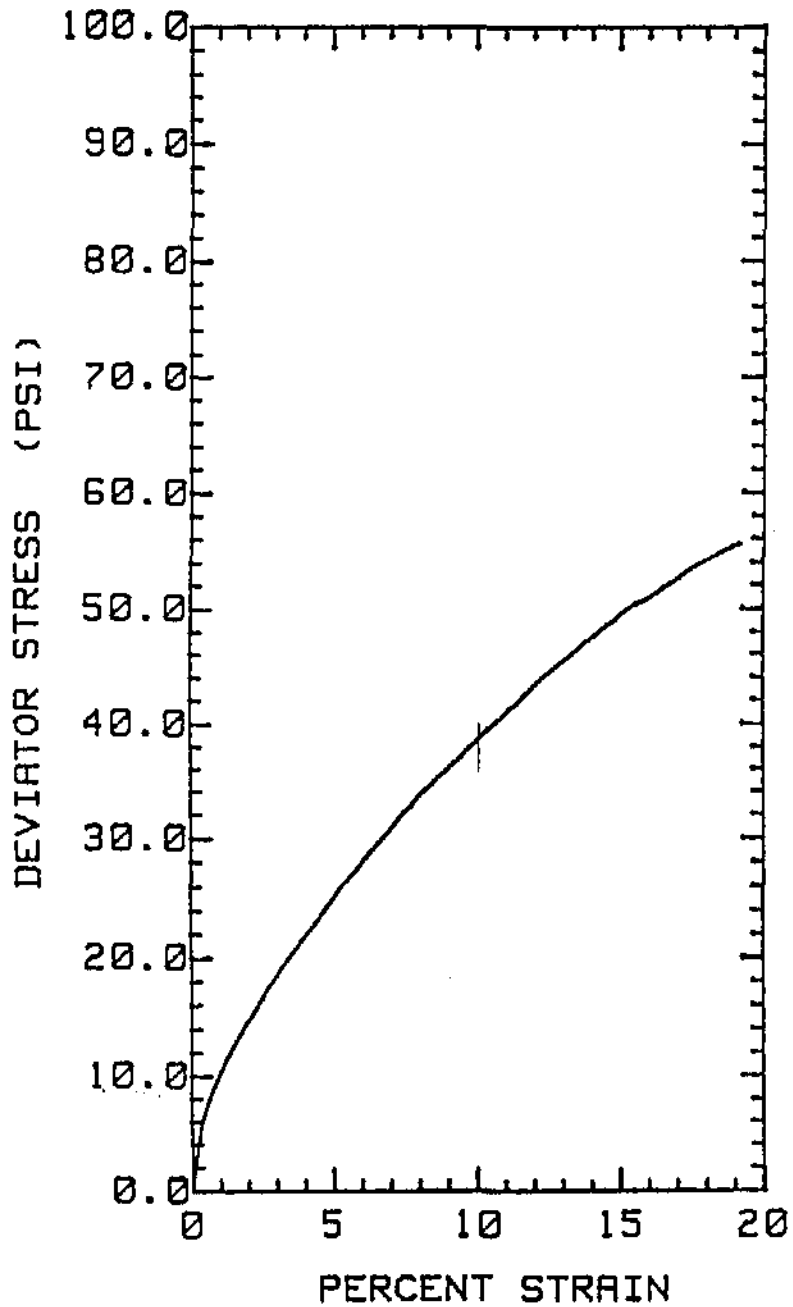


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-1
SAMPLE #
DEPTH: 3.0'

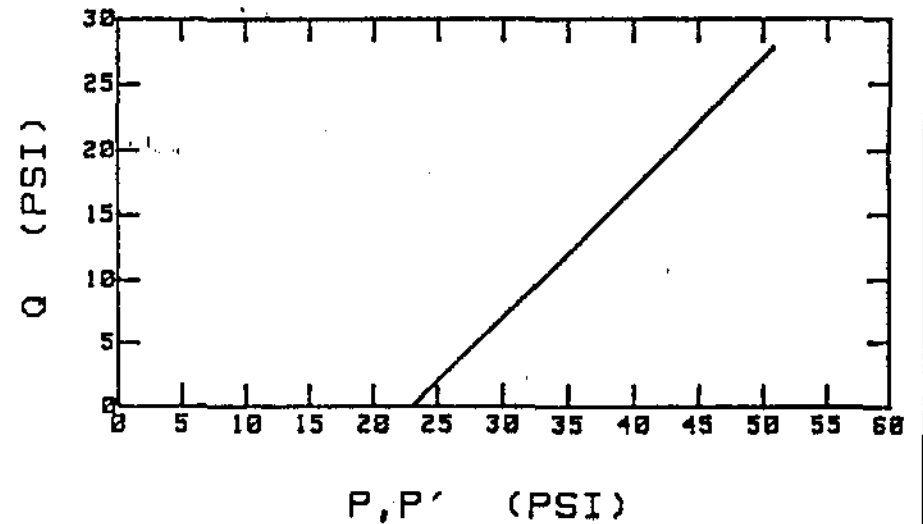
LAB # T97019; $\bar{q}_s = 7.0$ psi; $\gamma_s = 74.1$ pcf

DATE : 3 Apr 1996 15:05:33





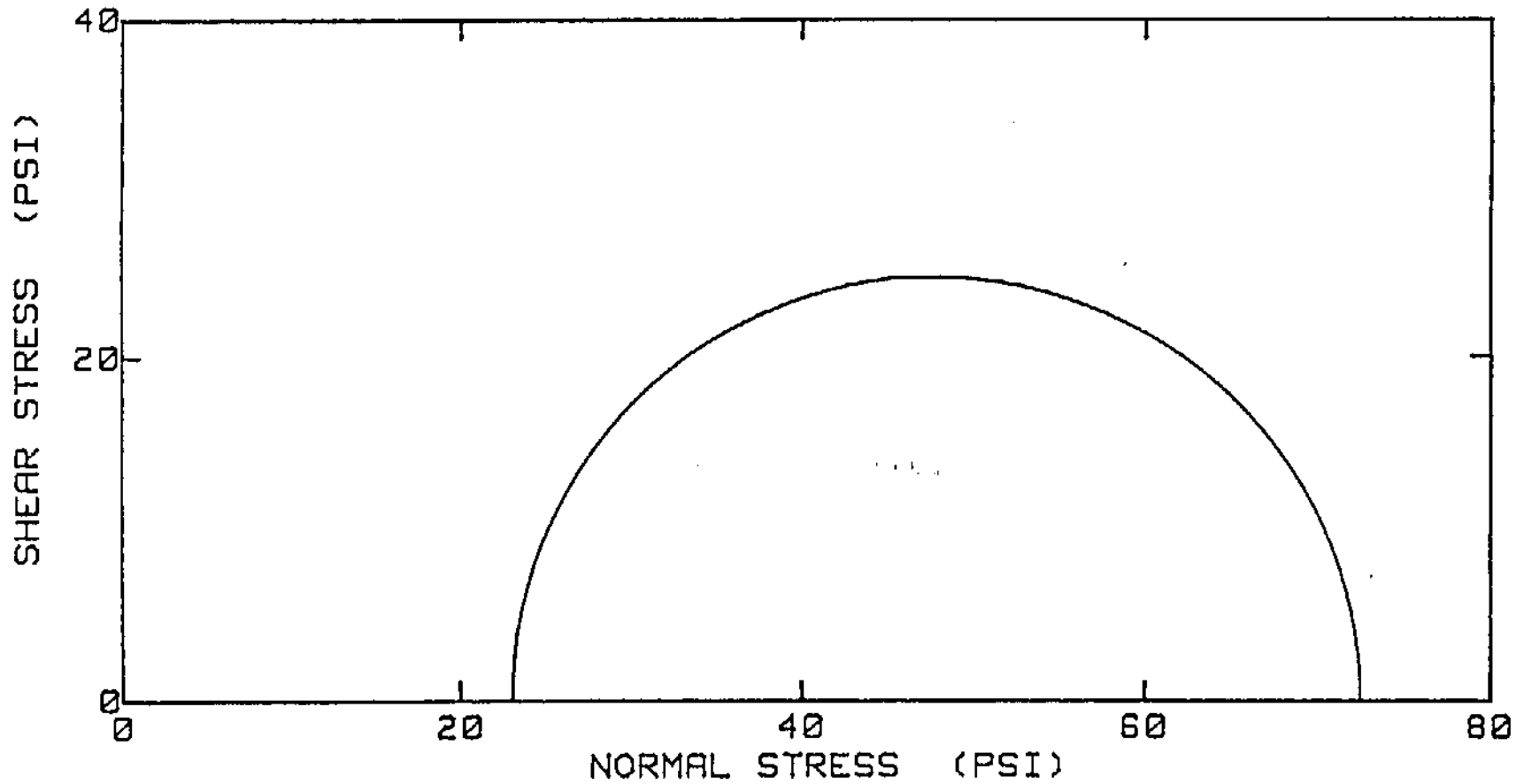
PROJECT : LIBERTY
 CLIENT : DUANE HILLER
 NO # A27153
 BORING # I-1 DEPTH : 3.8
 SAMPLE #
 INITIAL DRY DENSITY: 62.5 pcf
 EFFECTIVE CONFINING PRESSURE: 23.8 psi
 FINAL MOISTURE CONTENT: 44.5 percent
 LABORATORY # T9782B
 DATE: 4 Apr 1996 17:01:37

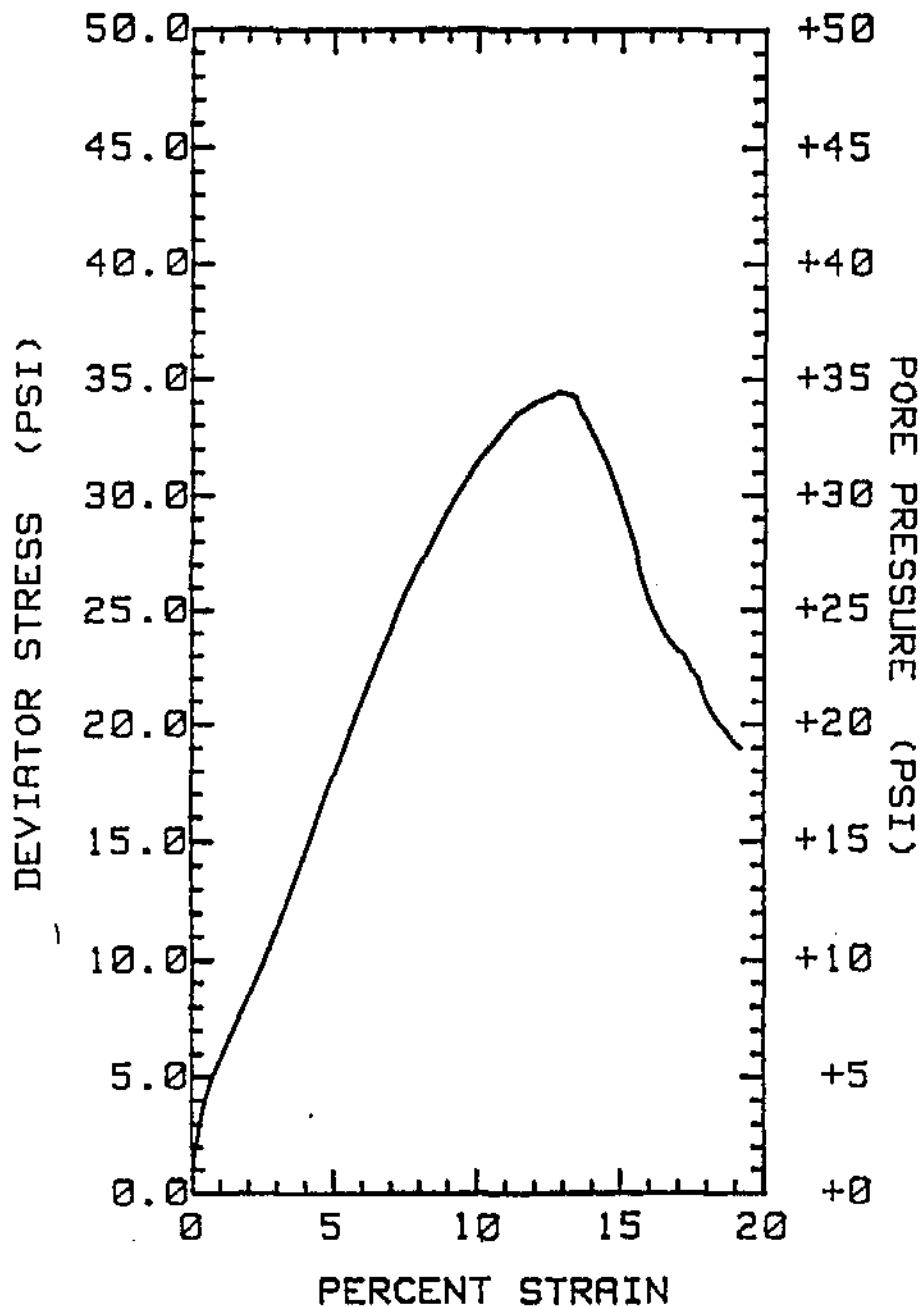


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-1
SAMPLE #
DEPTH: 3.0

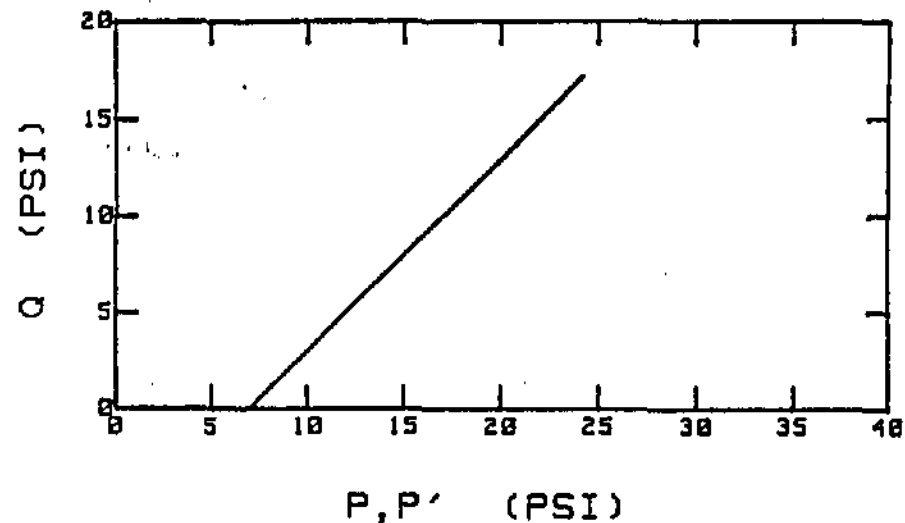
LAB # T97020; $\sigma_3 = 23.0$ psi; $\gamma_s = 62.5$ pcf

DATE : 4 Apr 1996 17:01:37





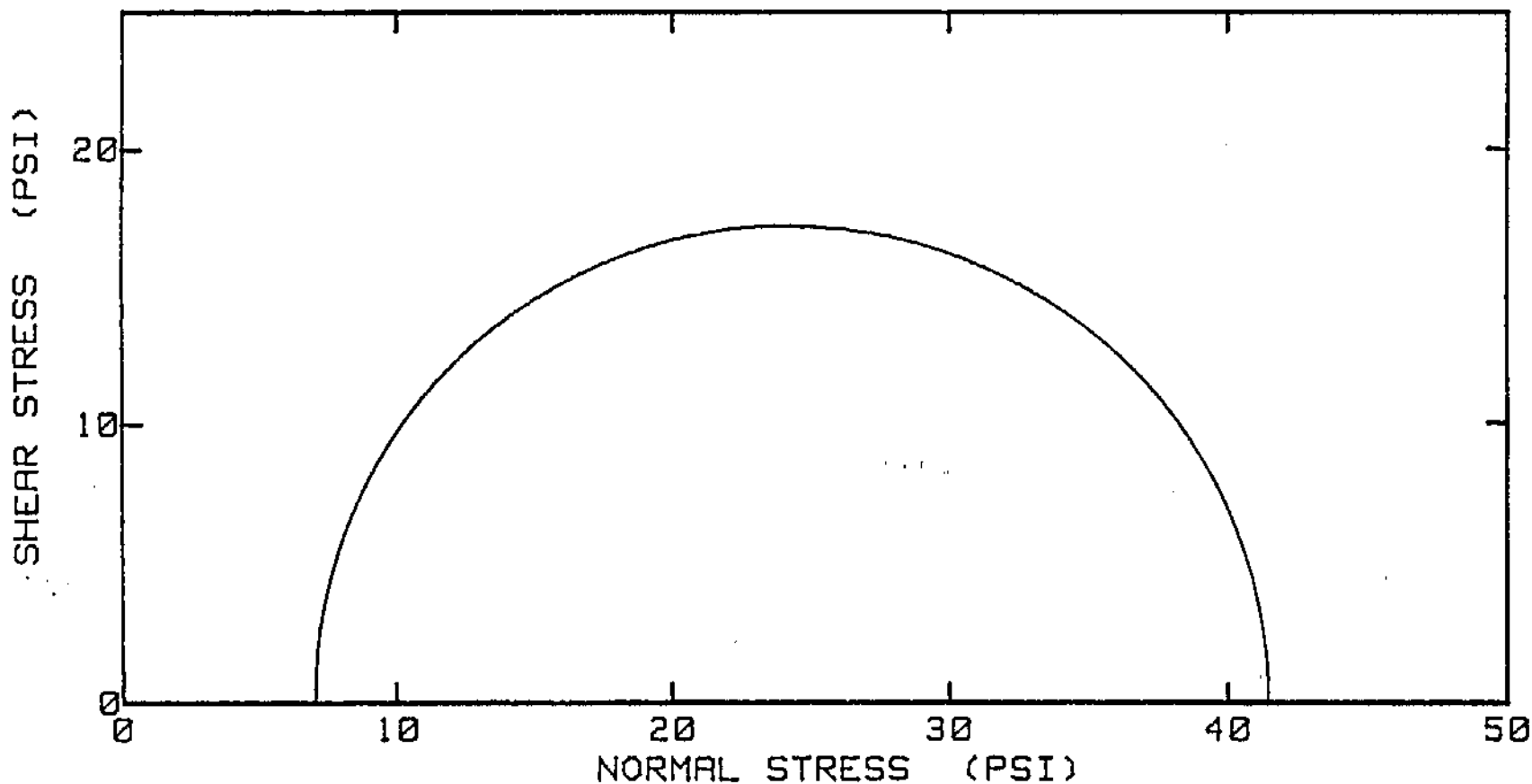
PROJECT : LIBBERTY
 CLIENT : DUARNE MILLER
 NO # A27153
 BORING # I-1 DEPTH : 5.5'
 SAMPLE #
 INITIAL DRY DENSITY: 92.9 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # CT97021
 DATE: 4 Apr 1996 12:13:42

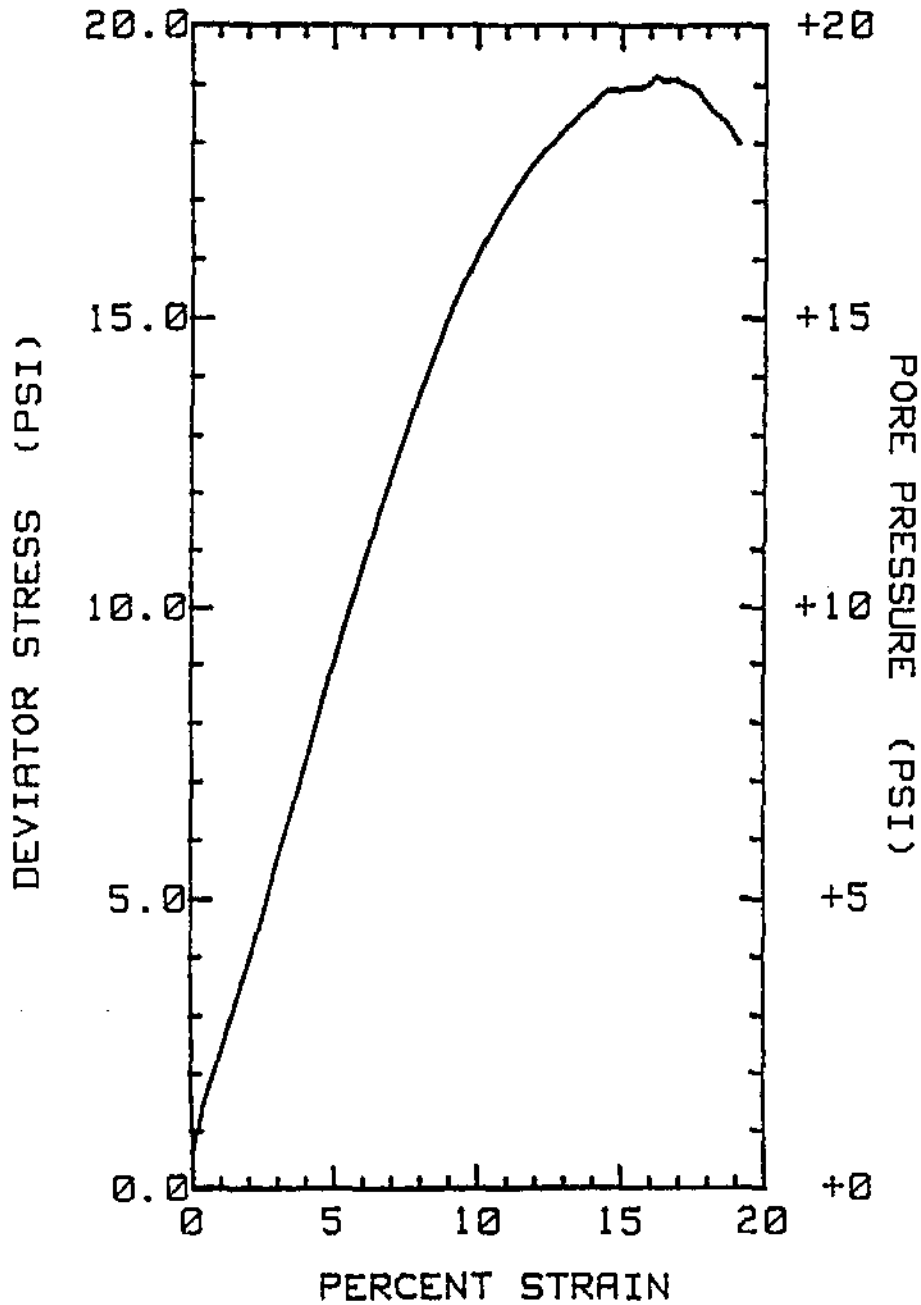


PROJECT : LIBBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-1
SAMPLE #
DEPTH: 5.5'

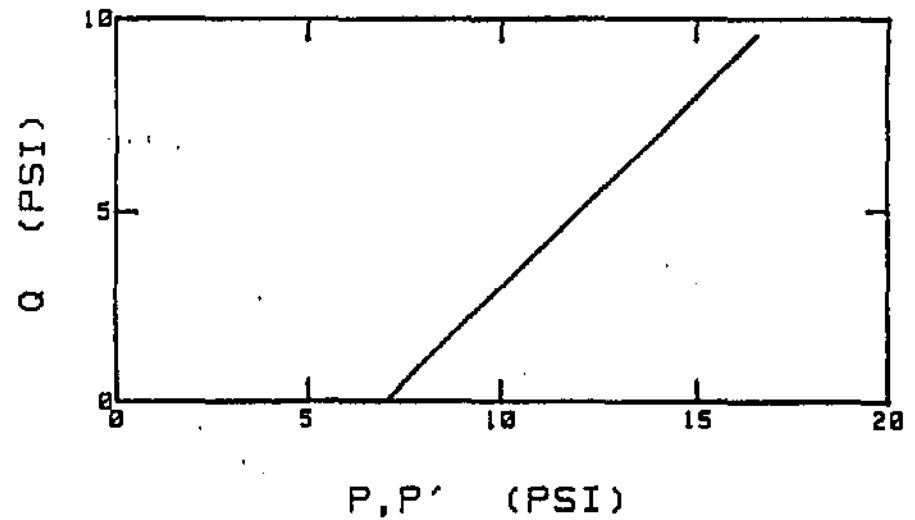
LAB # CT97021; $\bar{\sigma}_v = 7.0$ psi; $\gamma_s = 92.9$ pcf

DATE : 4 Apr 1996 12:13:42





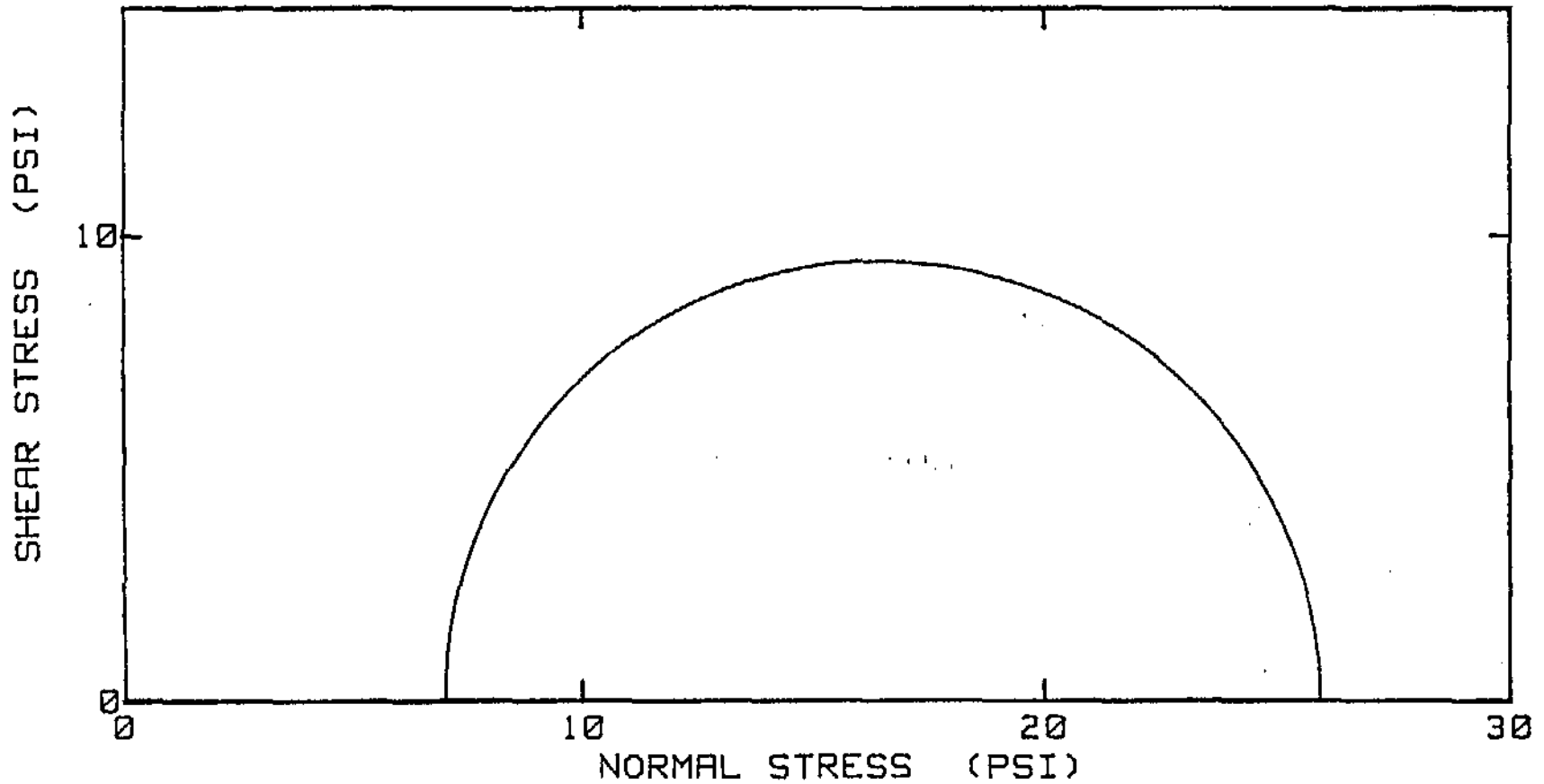
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # R27153
 BORING # I-1 DEPTH : 8.5'
 SAMPLE #
 INITIAL DRY DENSITY: 99.3 pcf
 TOTAL CONFINING PRESSURE : 7.8 psi
 LABORATORY # T97040
 DATE: 16 Apr 1996 14:47:14

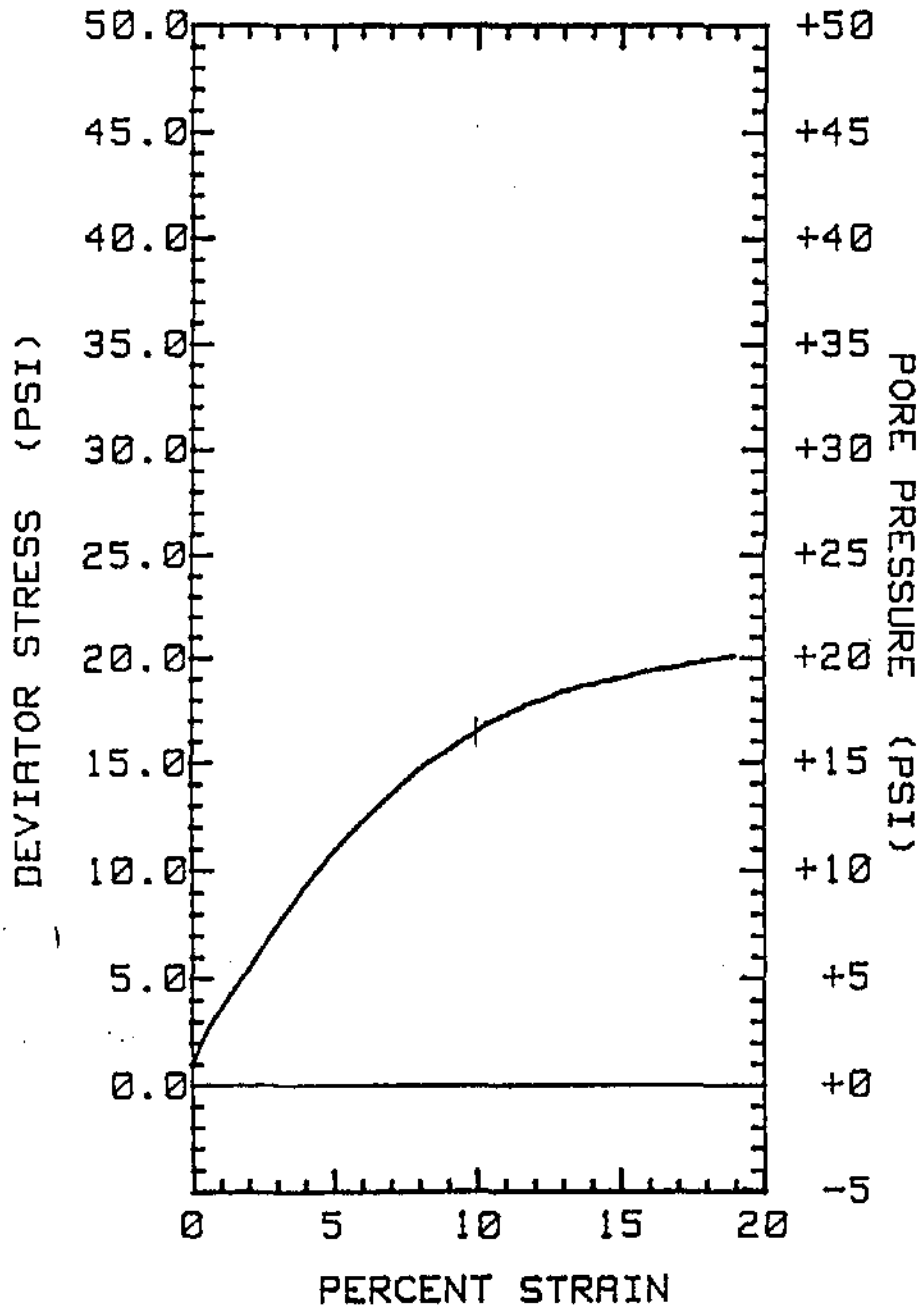


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-1
SAMPLE #
DEPTH: 8.5'

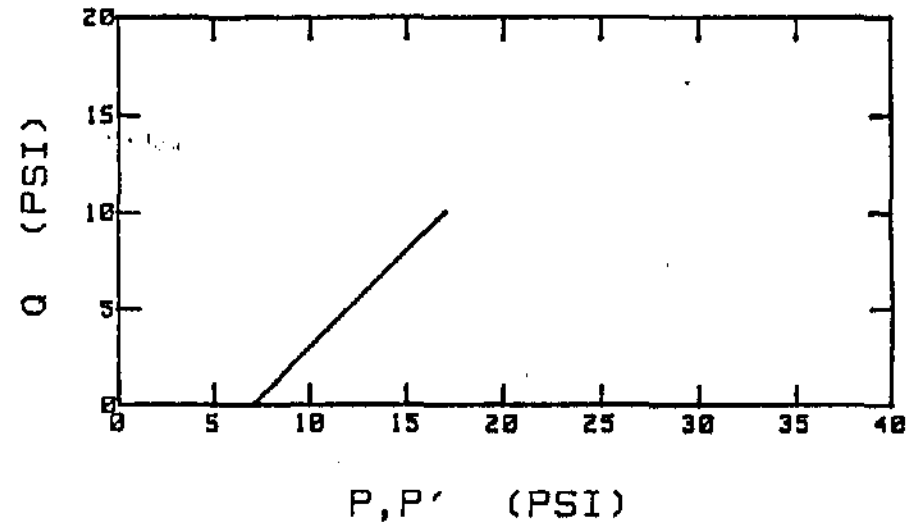
LAB # T97040; $\sigma_3 = 7.0$ psi; $\gamma_c = 99.3$ pcf

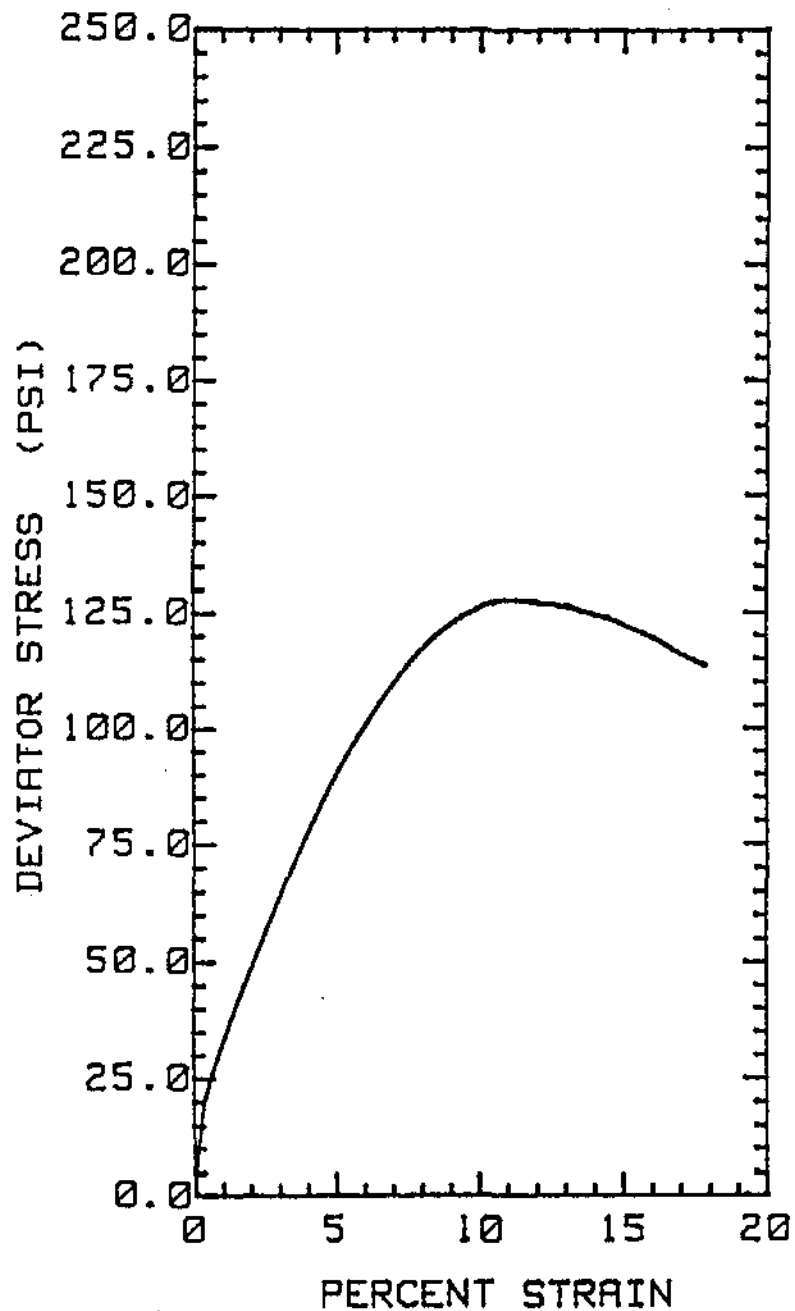
DATE : 16 Apr 1996 14:47:14



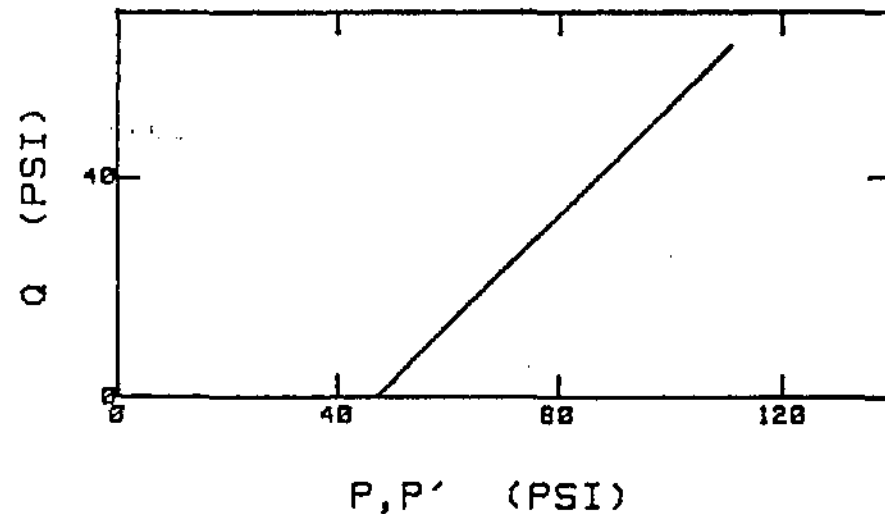


PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-1 DEPTH : 11.0
 SAMPLE #
 INITIAL DRY DENSITY: 98.4 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # T97043
 DATE: 18 Apr 1996 11:23:58





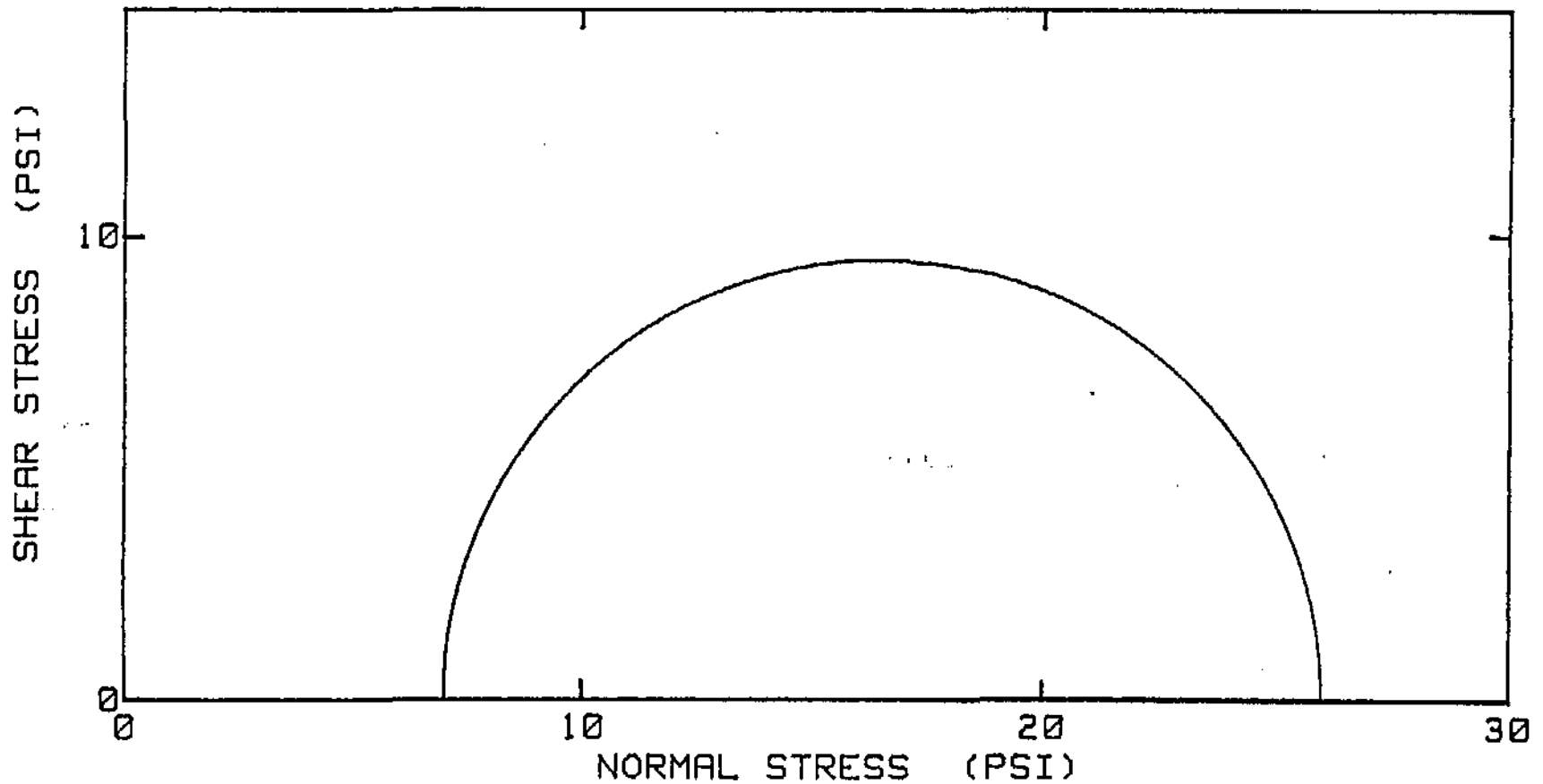
PROJECT : LIBERTY
 CLIENT : DUARNE MILLER
 NO # A27153
 BORING # I-2 DEPTH : 7.0'
 SAMPLE #
 INITIAL DRY DENSITY: 103.9 pcf
 EFFECTIVE CONFINING PRESSURE: 47.0 psi
 FINAL MOISTURE CONTENT: 15.6 percent
 LABORATORY # T97028
 DATE: 10 Apr 1996 20:28:09



PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-1
SAMPLE #
DEPTH: 11.0

LAB # T97043 ; $\bar{\sigma}_v = 7.0$ psi ; $\gamma_s = 88.4$ pcf

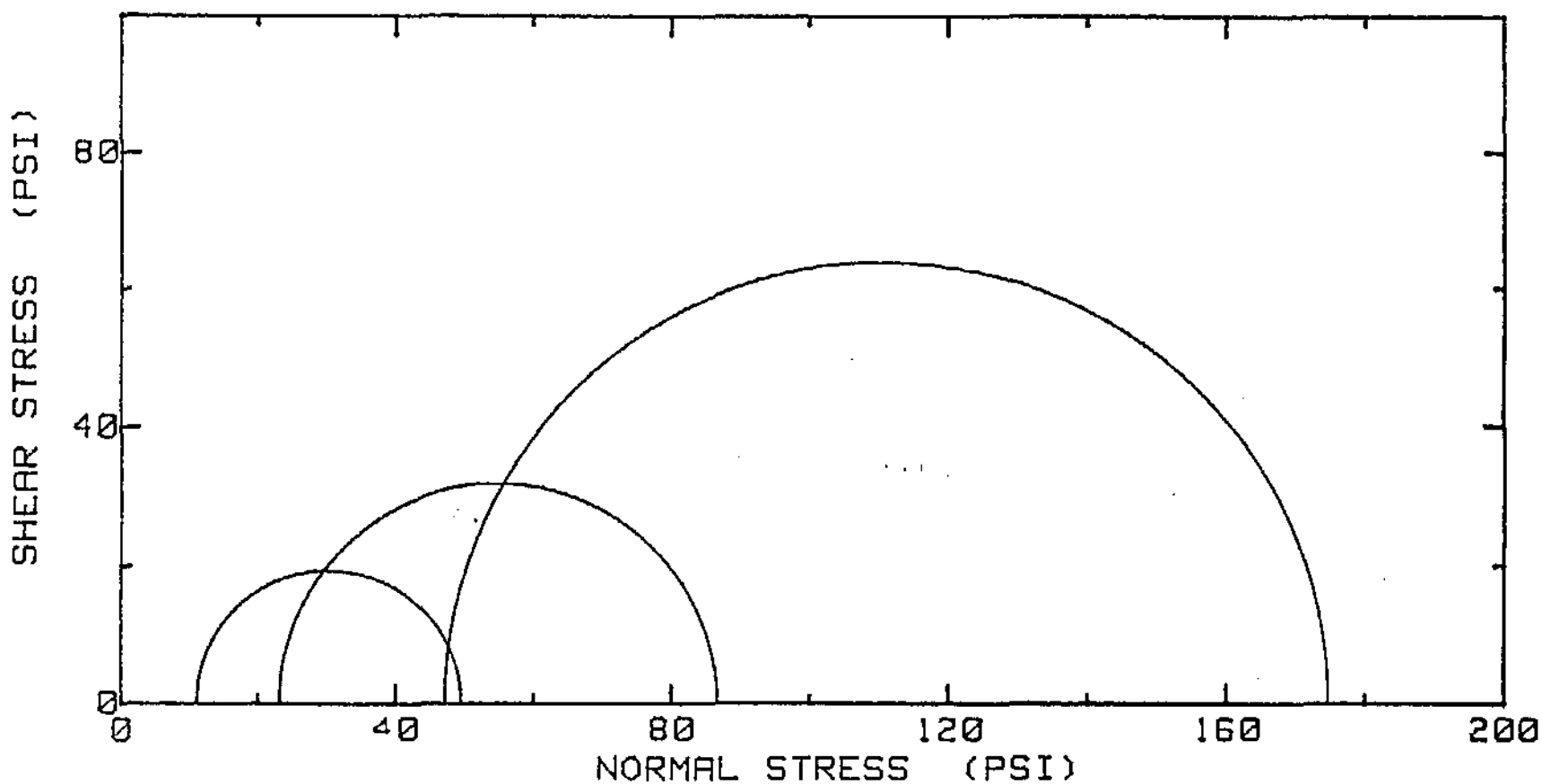
DATE : 18 Apr 1996 11:23:58

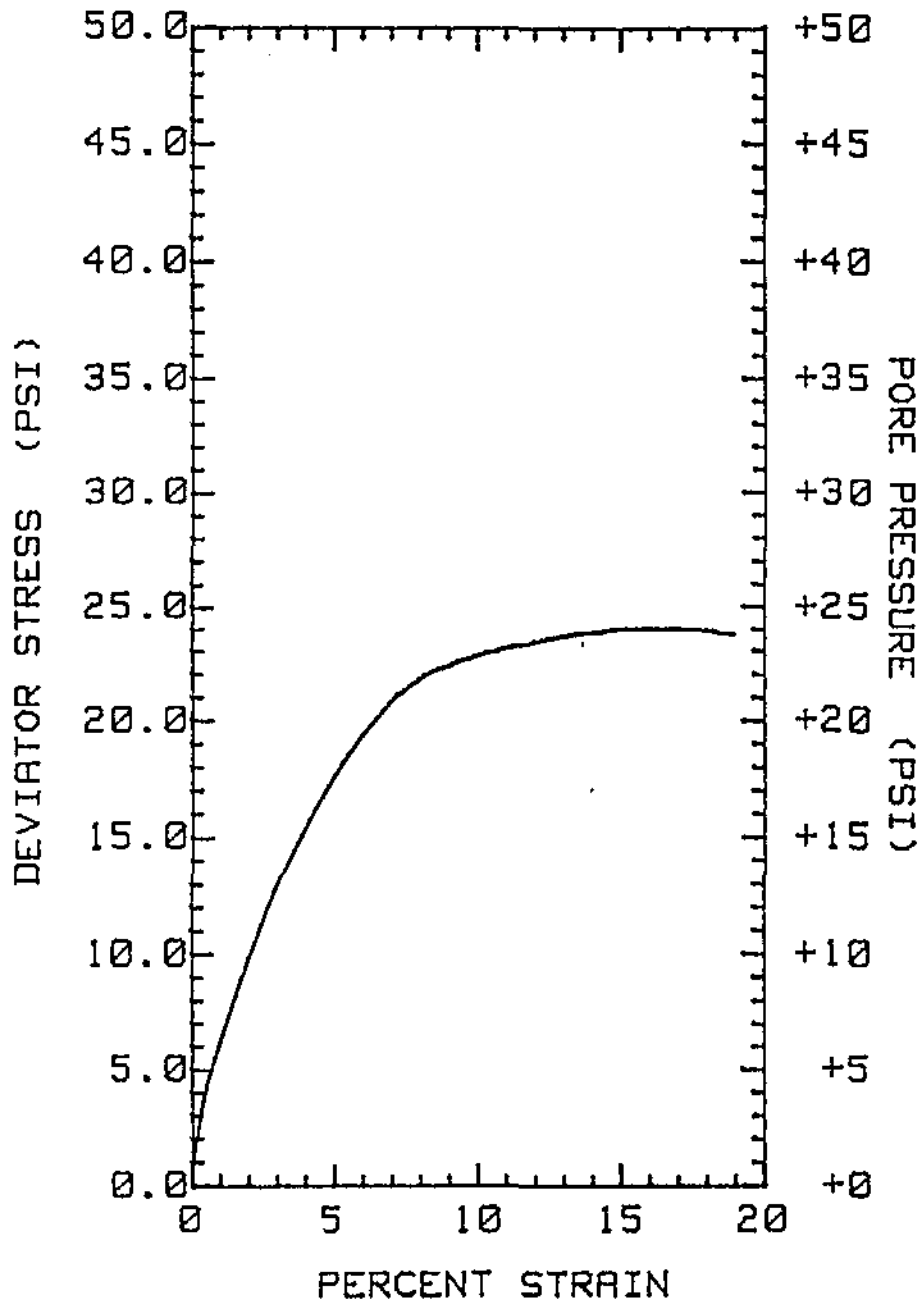


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-2
SAMPLE #
DEPTH: 7.0'

LAB # T97028; $\bar{\sigma}_3 = 47.0$ psi; $\gamma_u = 103.9$ pcf
LAB # T97047; $\bar{\sigma}_3 = 23.0$ psi; $\gamma_u = 94.5$ pcf
LAB # T97029; $\bar{\sigma}_3 = 11.0$ psi; $\gamma_u = 90.2$ pcf

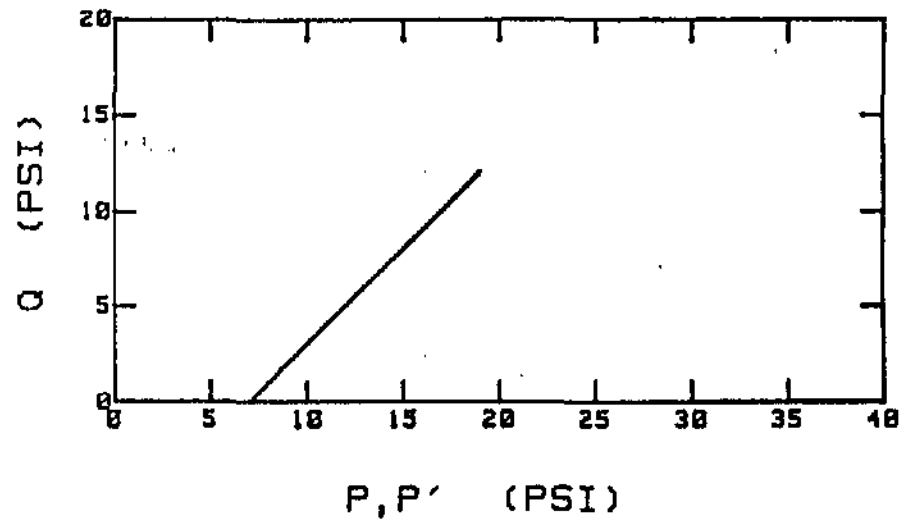
DATE : 10 Apr 1996 20:28:09





PROJECT : LIBERTY
 CLIENT : DURNE MILLER
 NO # A27153
 BORING # I-2 DEPTH : 14.5'
 SAMPLE #
 INITIAL DRY DENSITY: 98.3 pcf
 TOTAL CONFINING PRESSURE : 7.8 psi

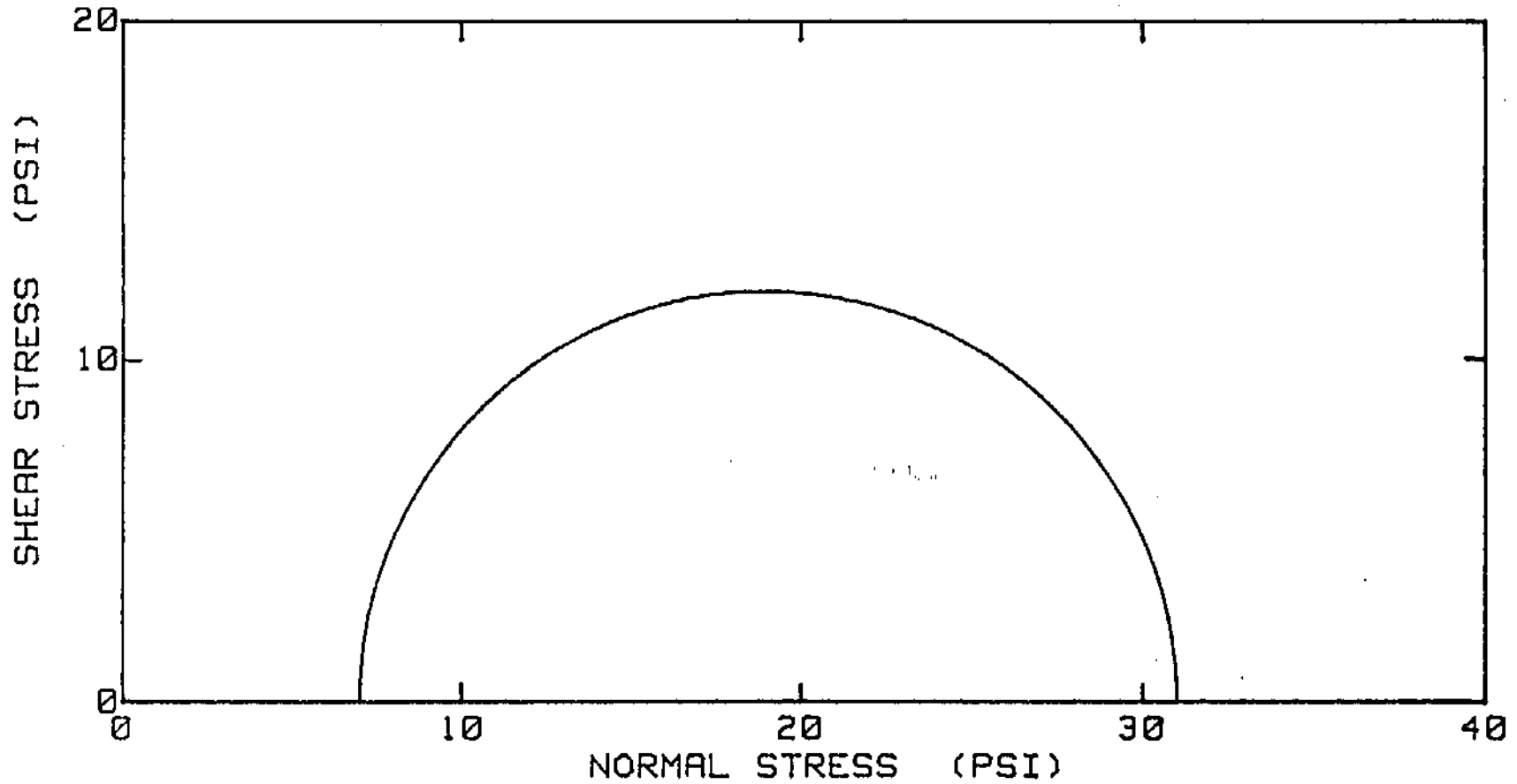
 LABORATORY # T97044
 DATE: 18 Apr 1996 12:09:46

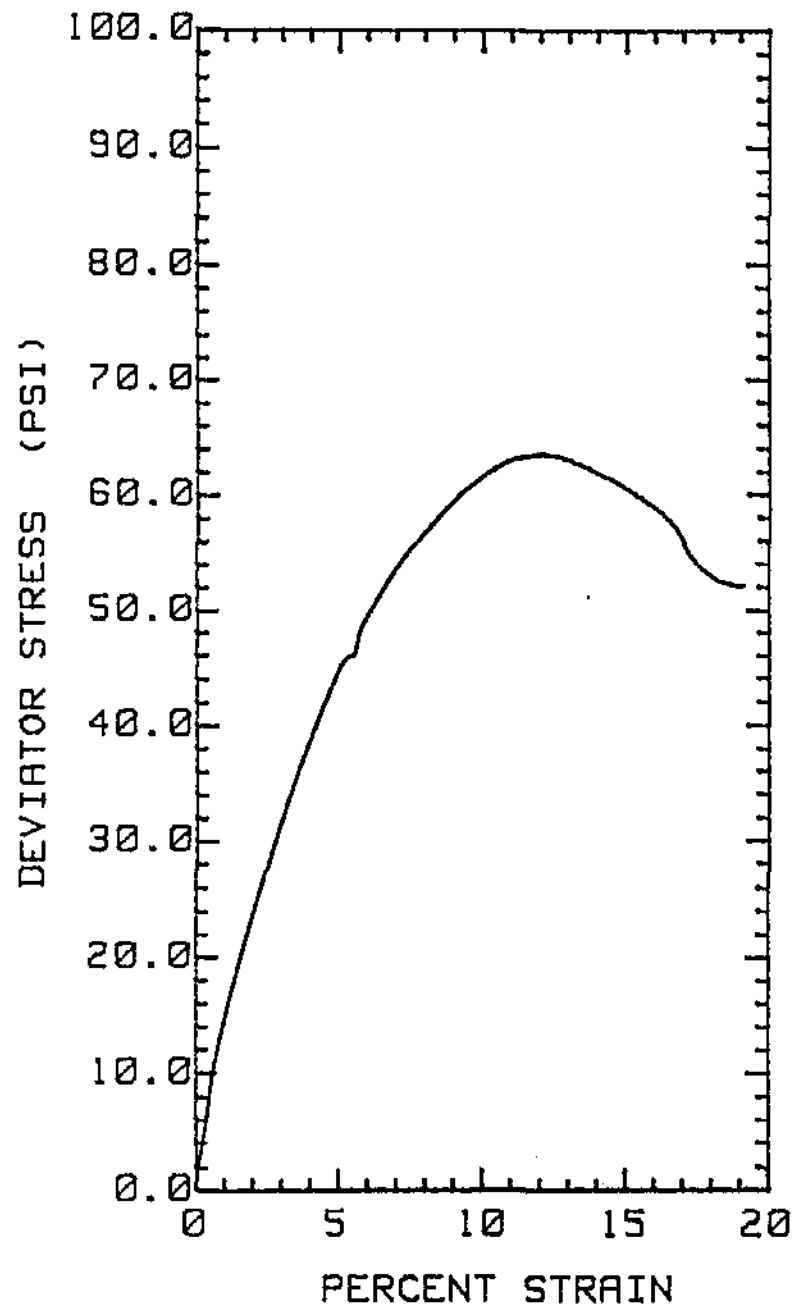


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # R27153
BORING # I-2
SAMPLE #
DEPTH: 14.5'

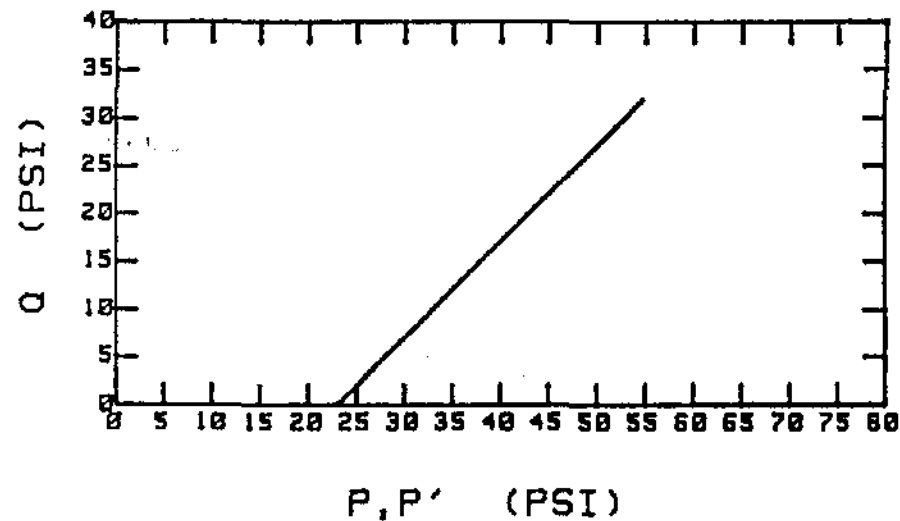
LAB # T97044; $\bar{\sigma}_v = 7.0$ psi; $\gamma_s = 90.3$ pcf

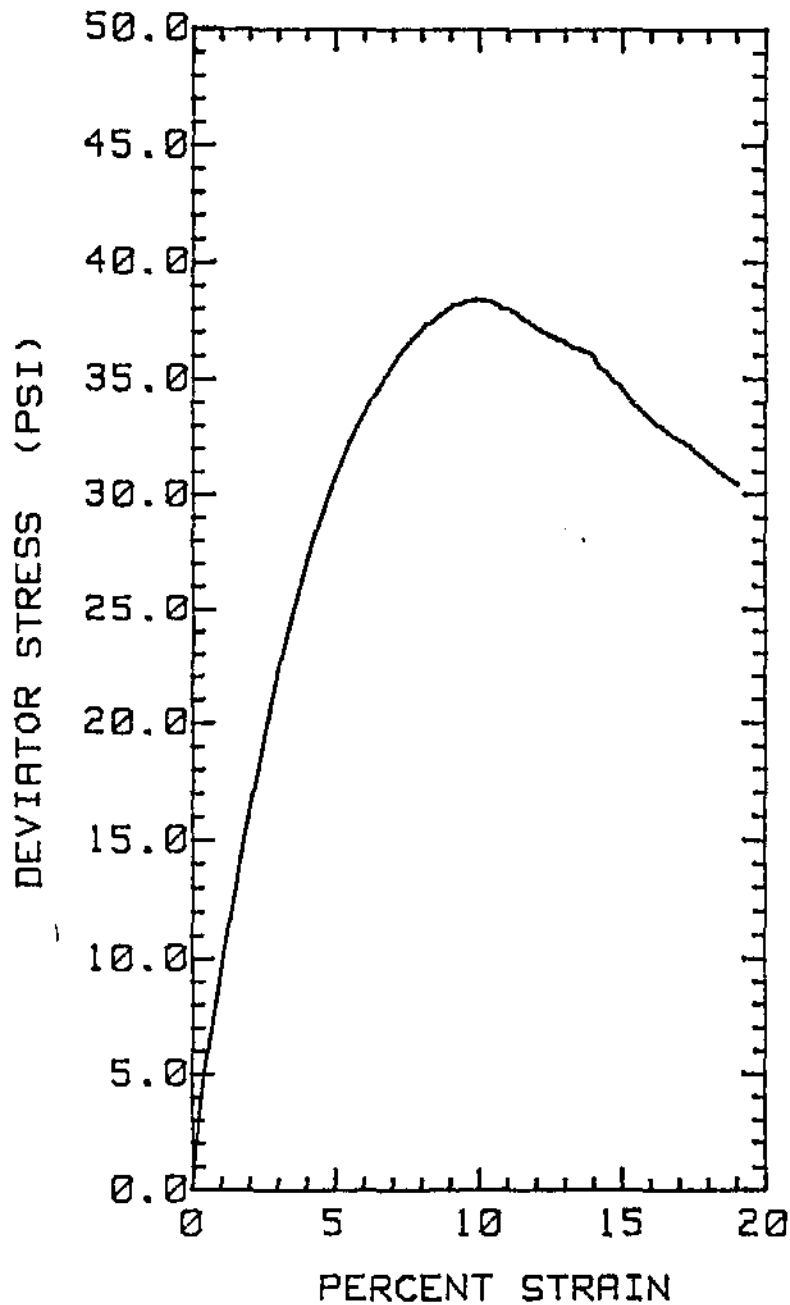
DATE : 18 Apr 1996 12:09:46



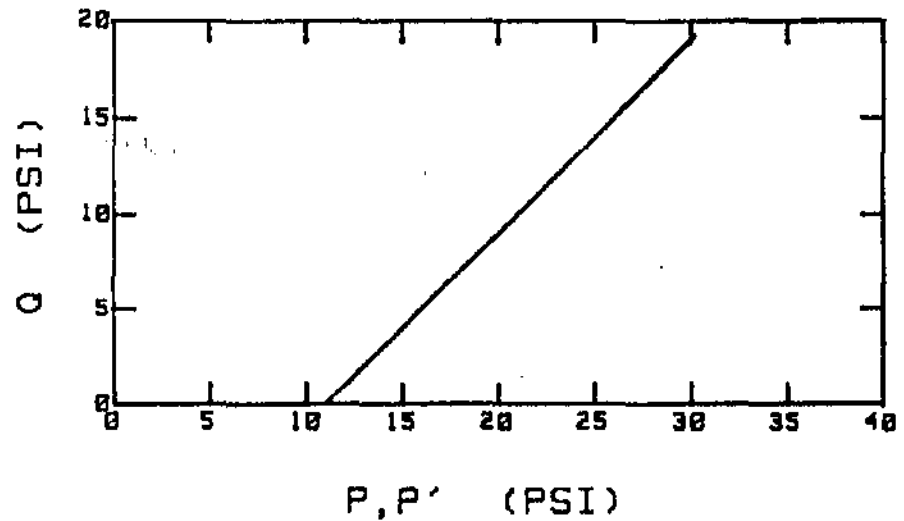


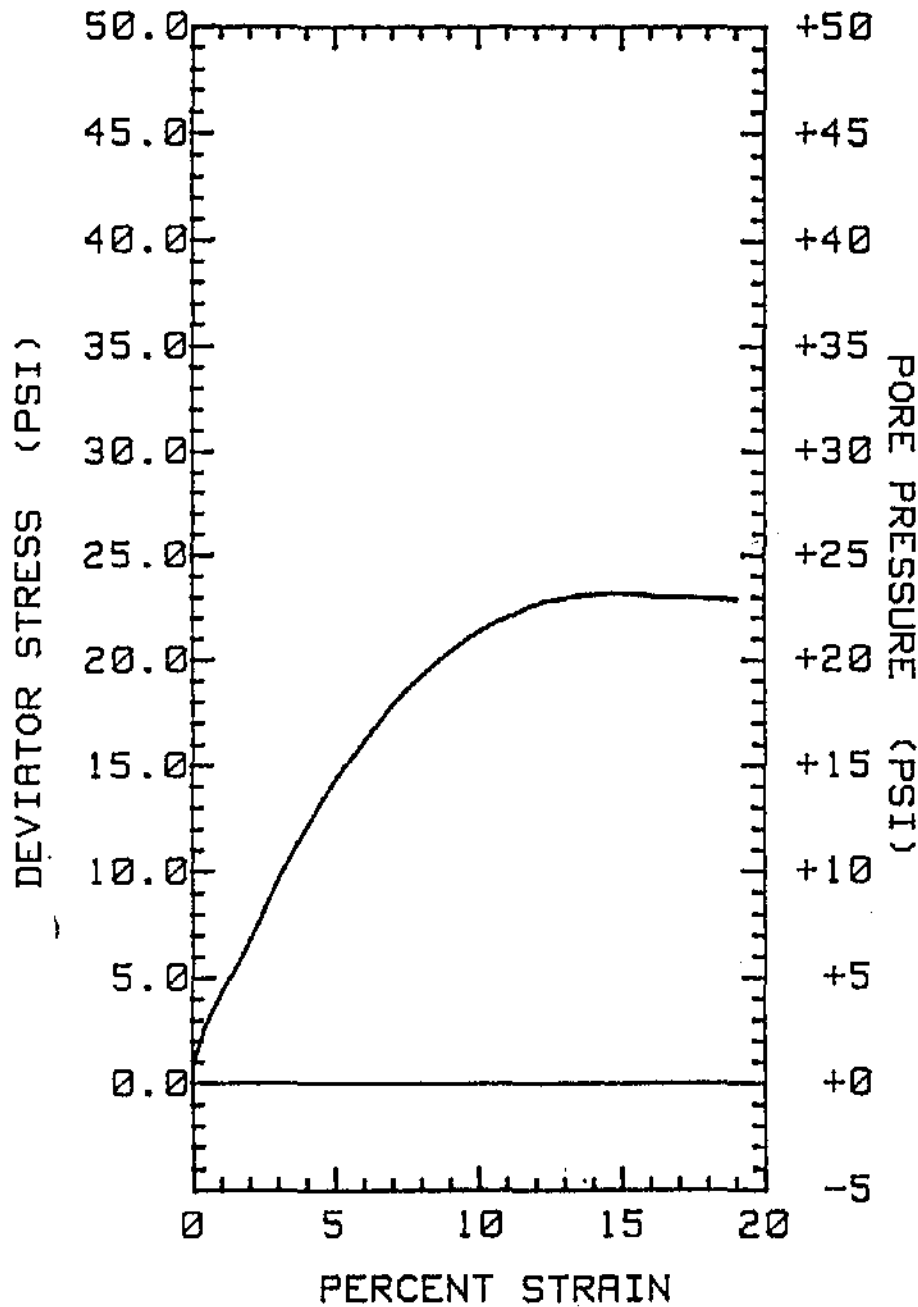
PROJECT : LIBERTY
 CLIENT : DURNE MILLER
 NO # A27153
 BORING # I-3 DEPTH : 2.5'
 SAMPLE #
 INITIAL DRY DENSITY: 94.5 pcf
 EFFECTIVE CONFINING PRESSURE: 23.0 psi
 FINAL MOISTURE CONTENT: 18.0 percent
 LABORATORY # T97047
 DATE: 25 Apr 1996 16:17:31



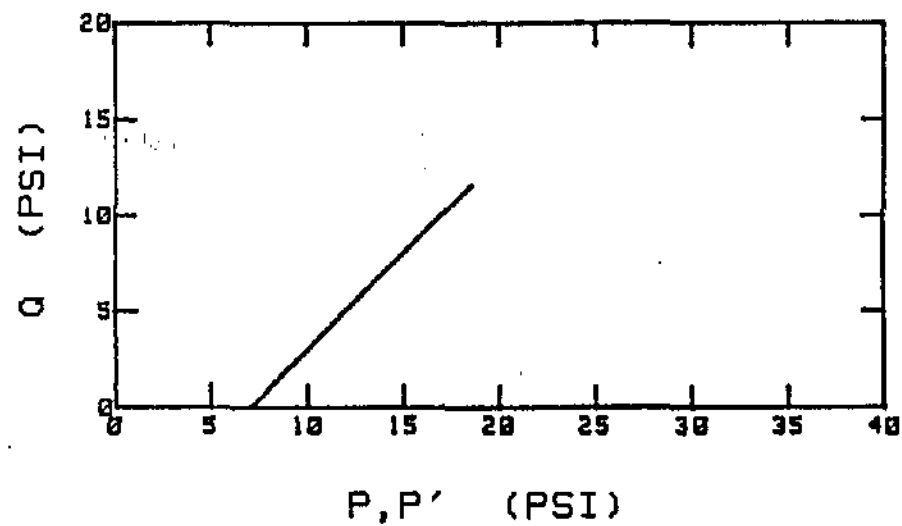


PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # R27153
 BORING # I-3 DEPTH : 7.5'
 SAMPLE #
 INITIAL DRY DENSITY: 98.2 pcf
 EFFECTIVE CONFINING PRESSURE: 11.8 psi
 FINAL MOISTURE CONTENT: 32.7 percent
 LABORATORY # T97829
 DATE: 11 Apr 1996 16:27:02





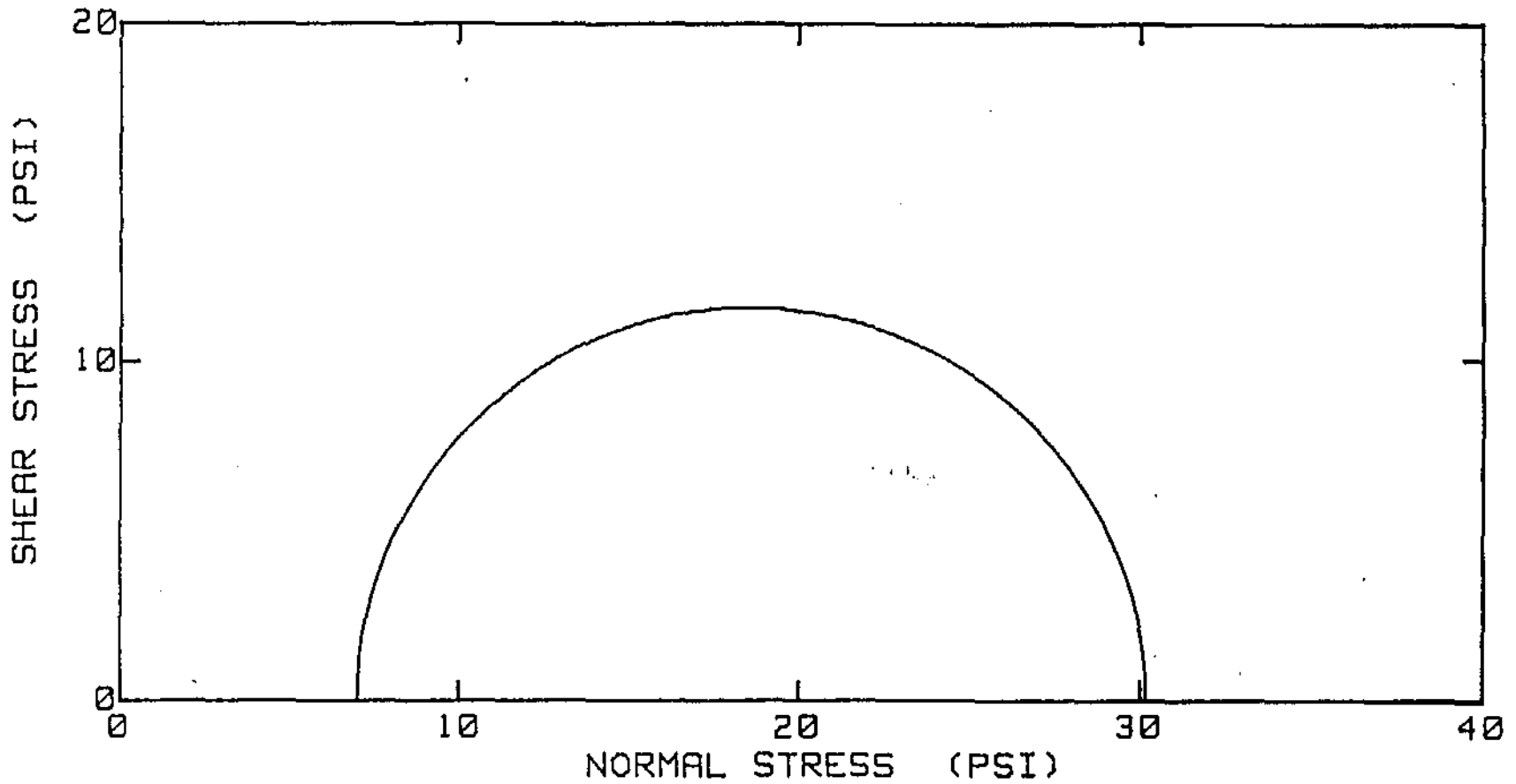
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-3 DEPTH : 5.0'
 SAMPLE #
 INITIAL DRY DENSITY: 91.8 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # T97046
 DATE: 18 Apr 1996 14:52:44

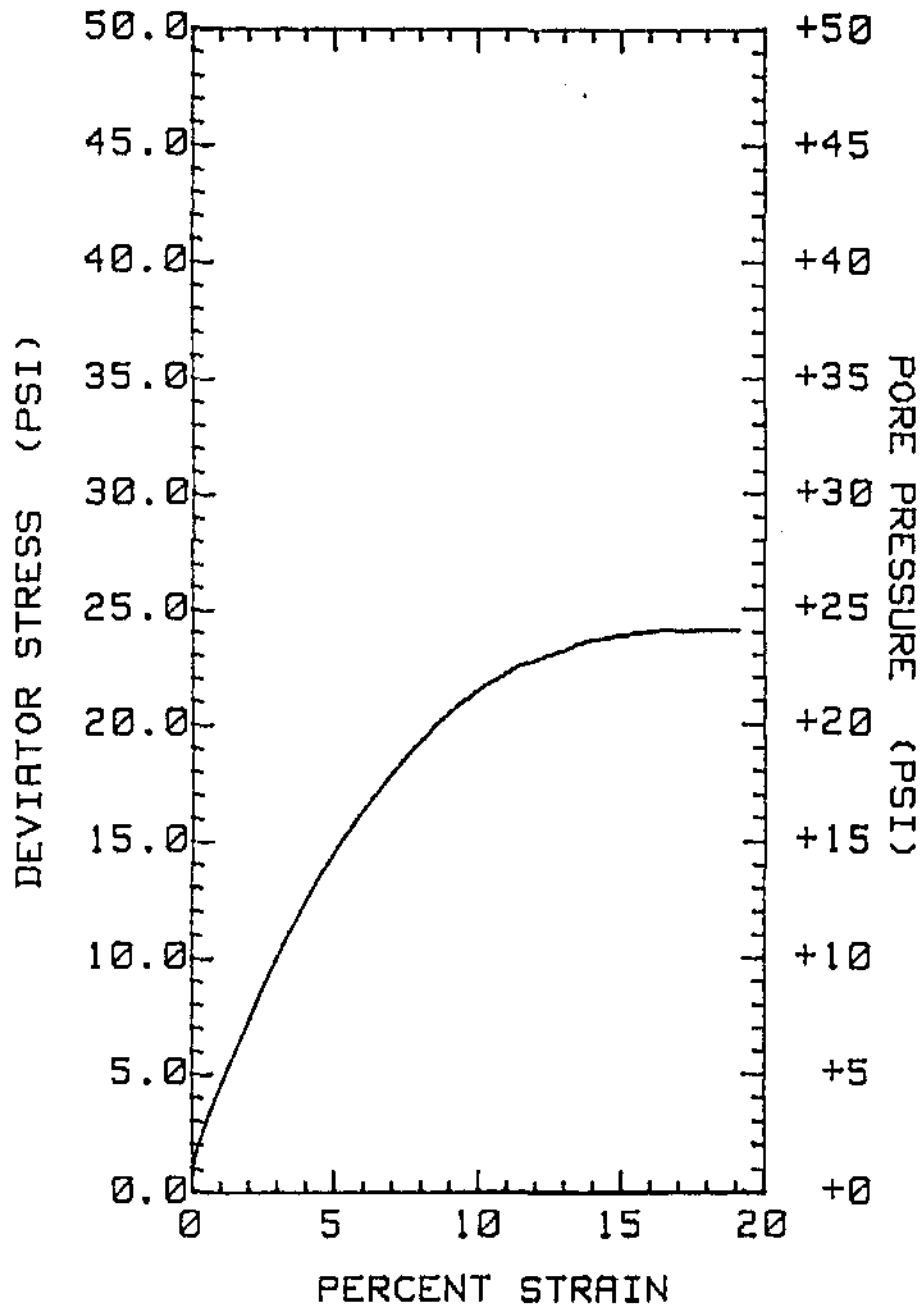


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-3
SAMPLE #
DEPTH: 5.0'

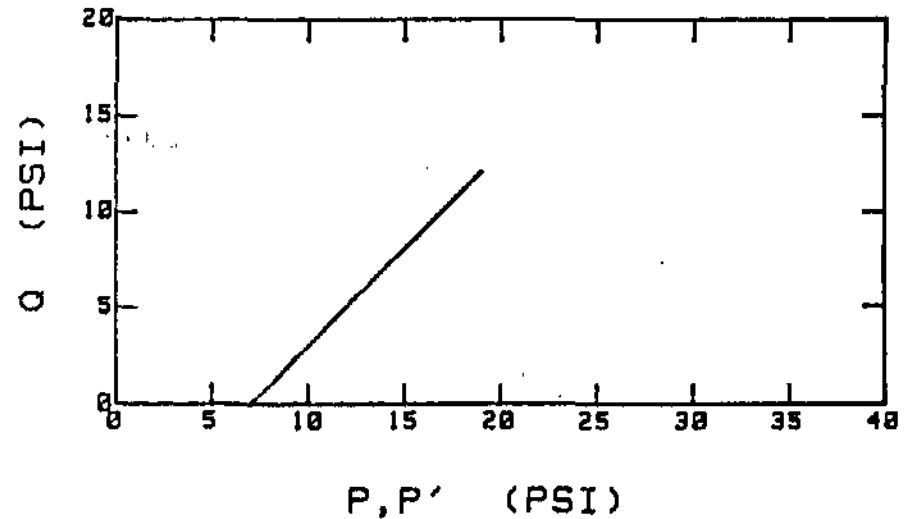
LAB # T97046; $\bar{\sigma}_3 = 7.0$ psi; $\gamma_s = 91.0$ pcf

DATE : 18 Apr 1996 14:52:44





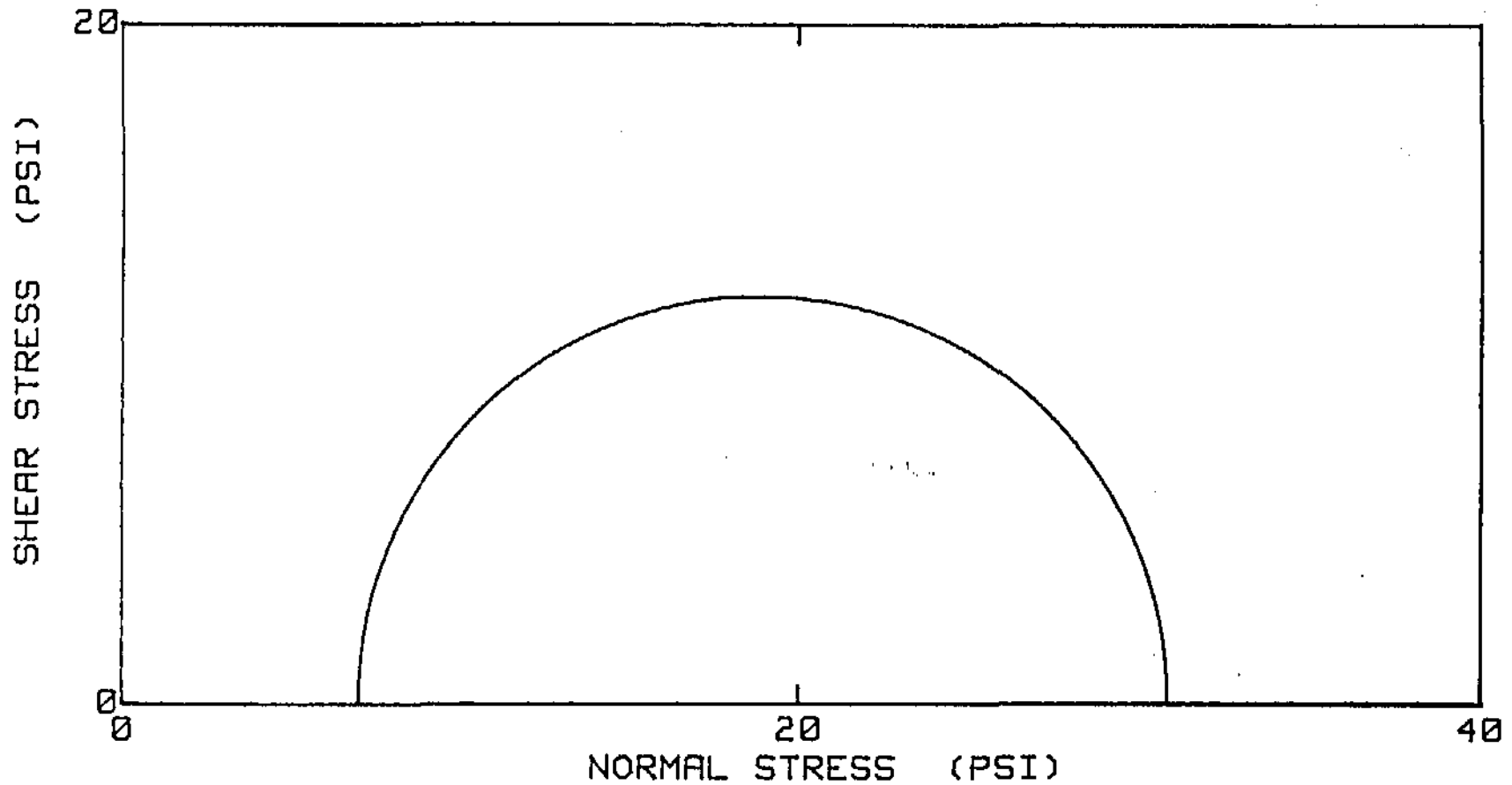
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-3 DEPTH : 7.5'
 SAMPLE #
 INITIAL DRY DENSITY: 89.3 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # T97029
 DATE: 9 Apr 1996 11:42:39

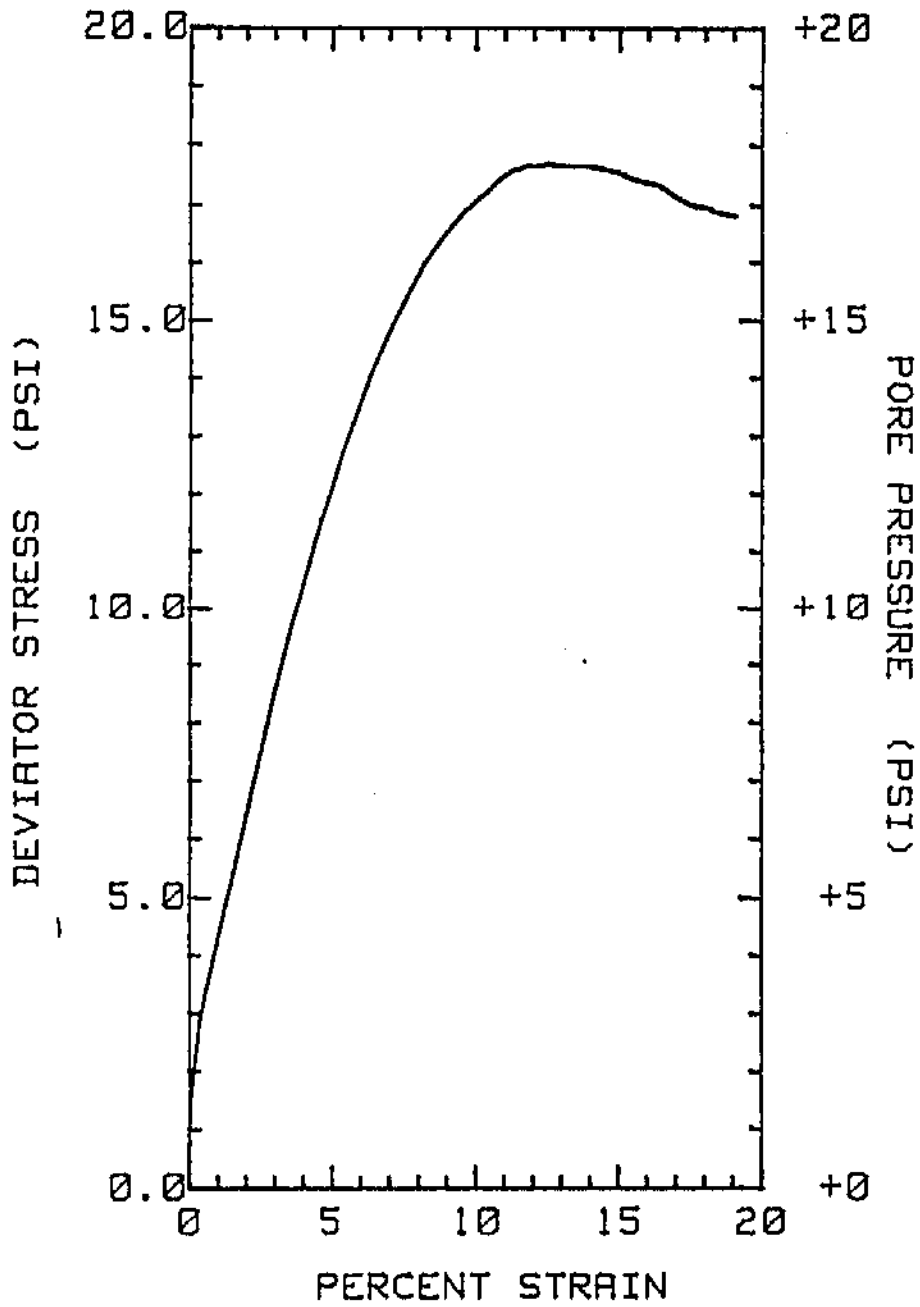


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-3
SAMPLE #
DEPTH: 7.5'

LAB # T97025; $\bar{\sigma}_v = 7.0$ psi; $\gamma_s = 89.3$ pcf

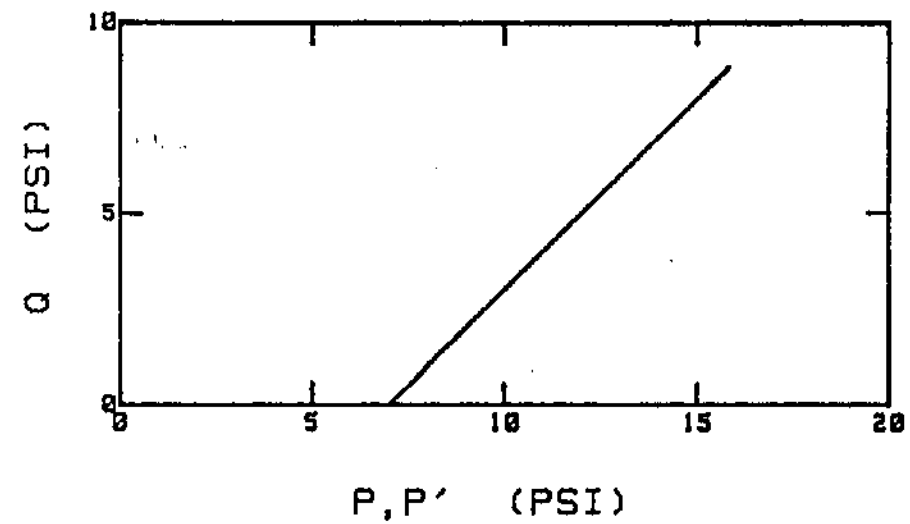
DATE : 9 Apr 1996 11:42:39





PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # 1-3 DEPTH : 12.5'
 SAMPLE #
 INITIAL DRY DENSITY: 85.7 pcf
 TOTAL CONFINING PRESSURE : 7.8 psf

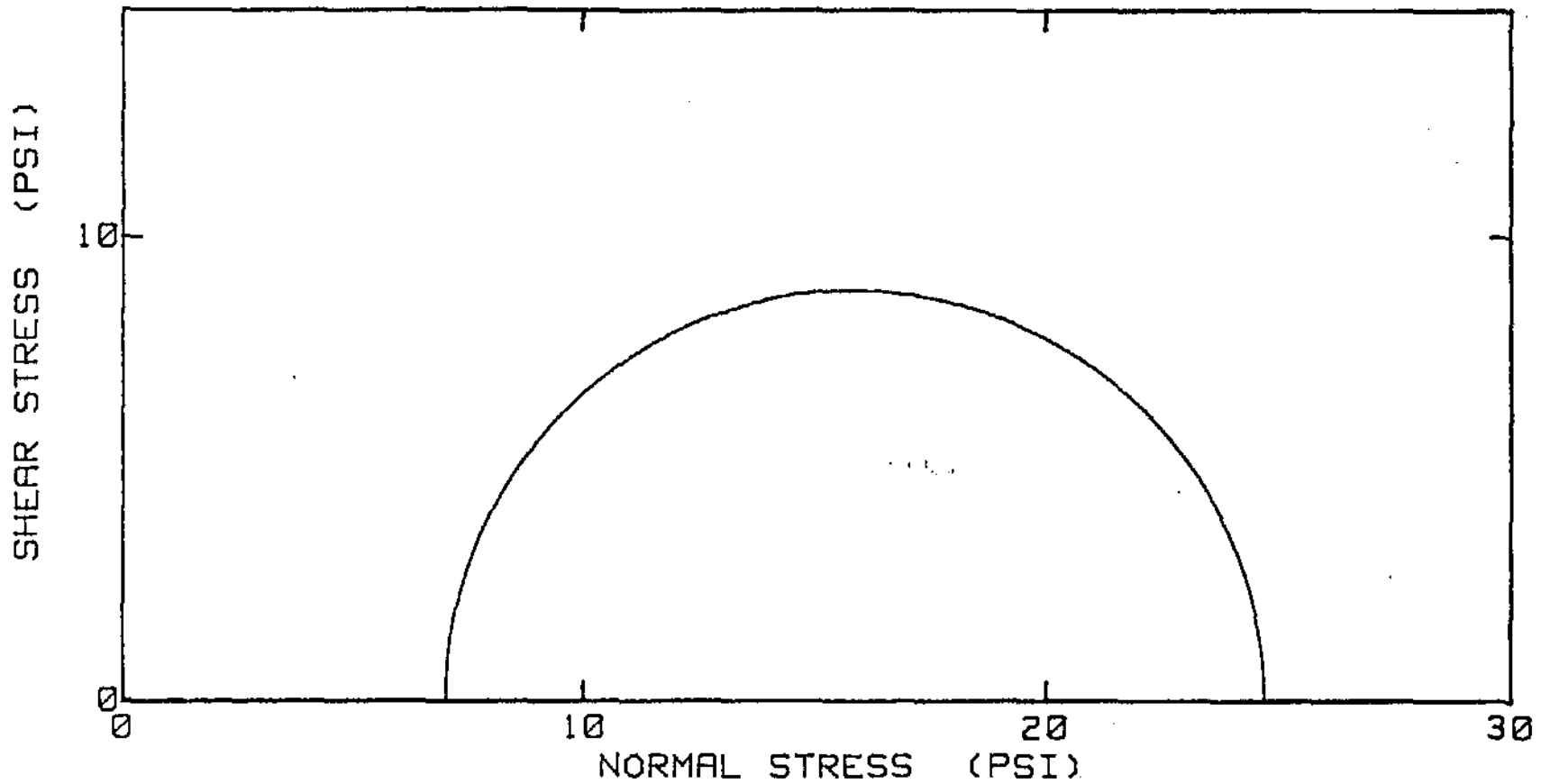
 LABORATORY # T97030
 DATE: 11 Apr 1996 07:40:55

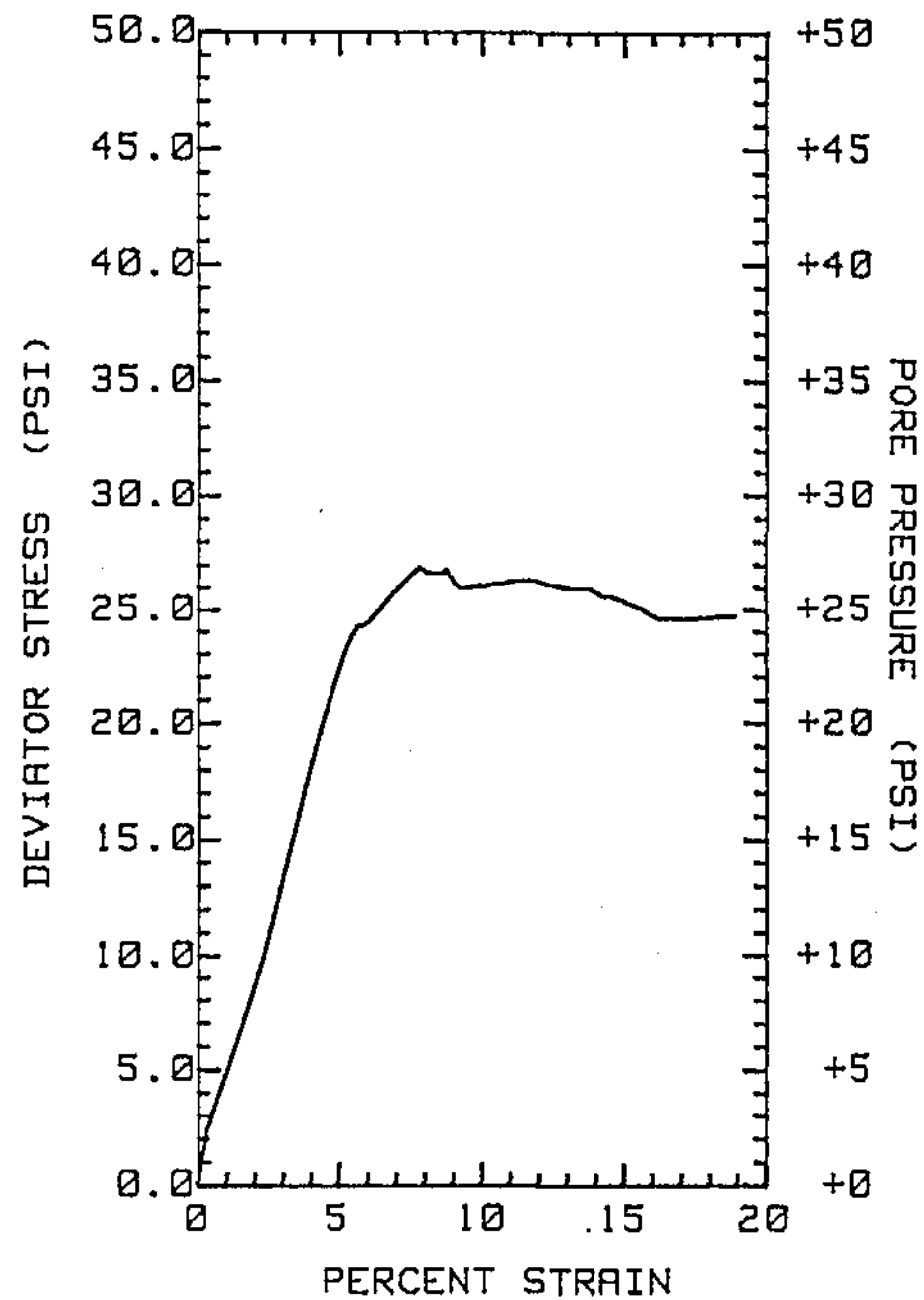


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-3
SAMPLE #
DEPTH: 12.5'

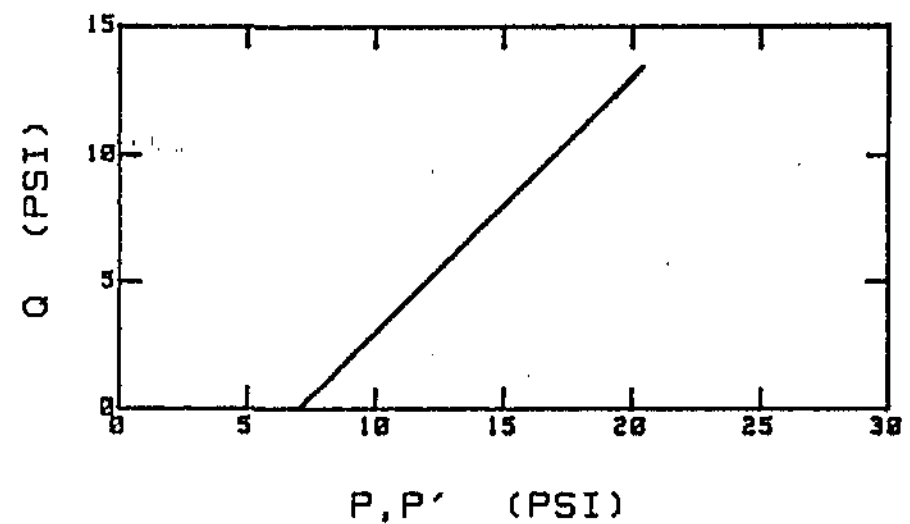
LAB # T97030; $\bar{\sigma}_v = 7.0$ psi; $\gamma_s = 85.7$ pcf

DATE : 11 Apr 1996 07:48:55





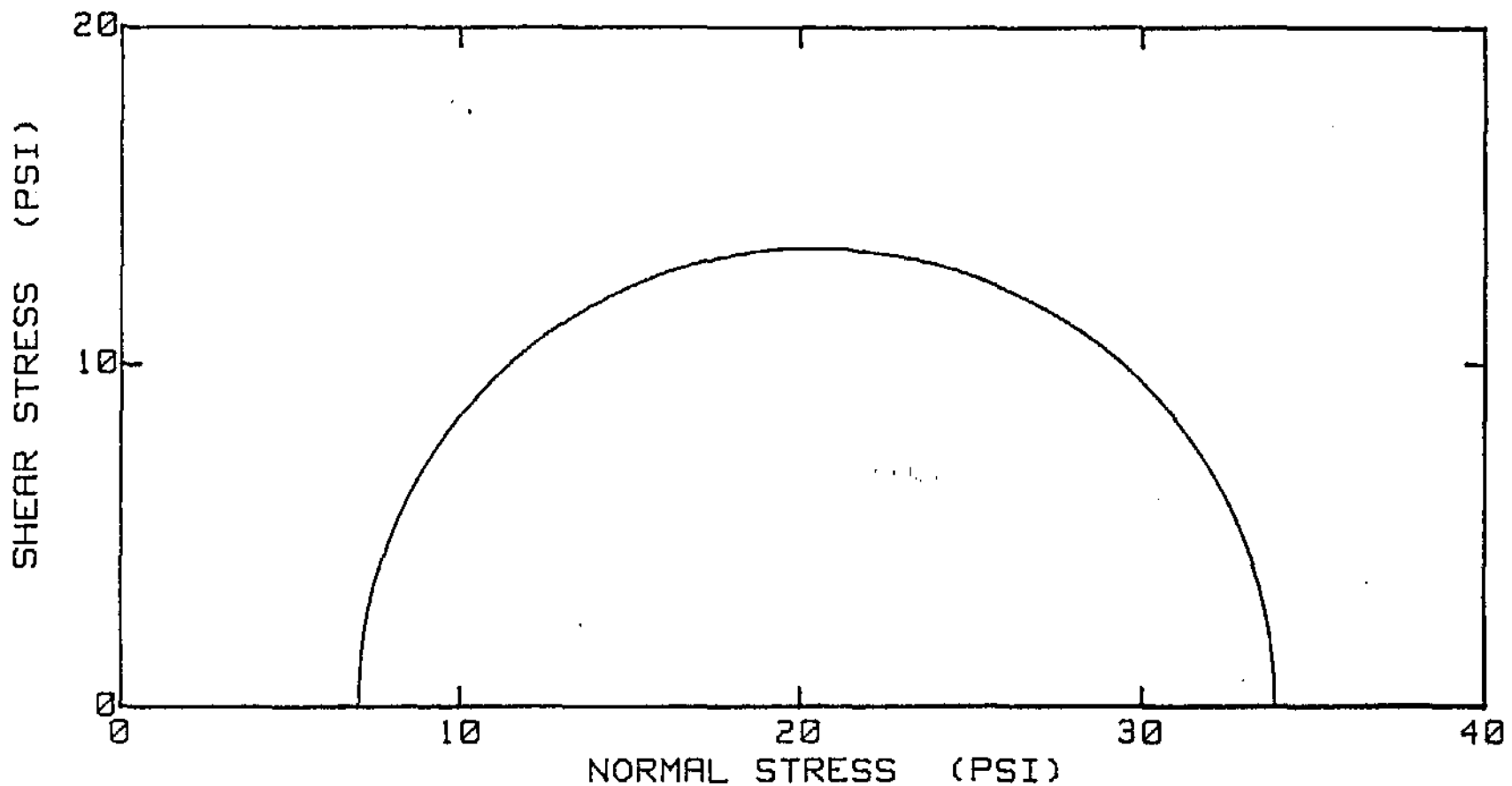
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-3 DEPTH : 20.0'
 SAMPLE #
 INITIAL DRY DENSITY: 94.2 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # T97031
 DATE: 11 Apr 1996 09:32:11

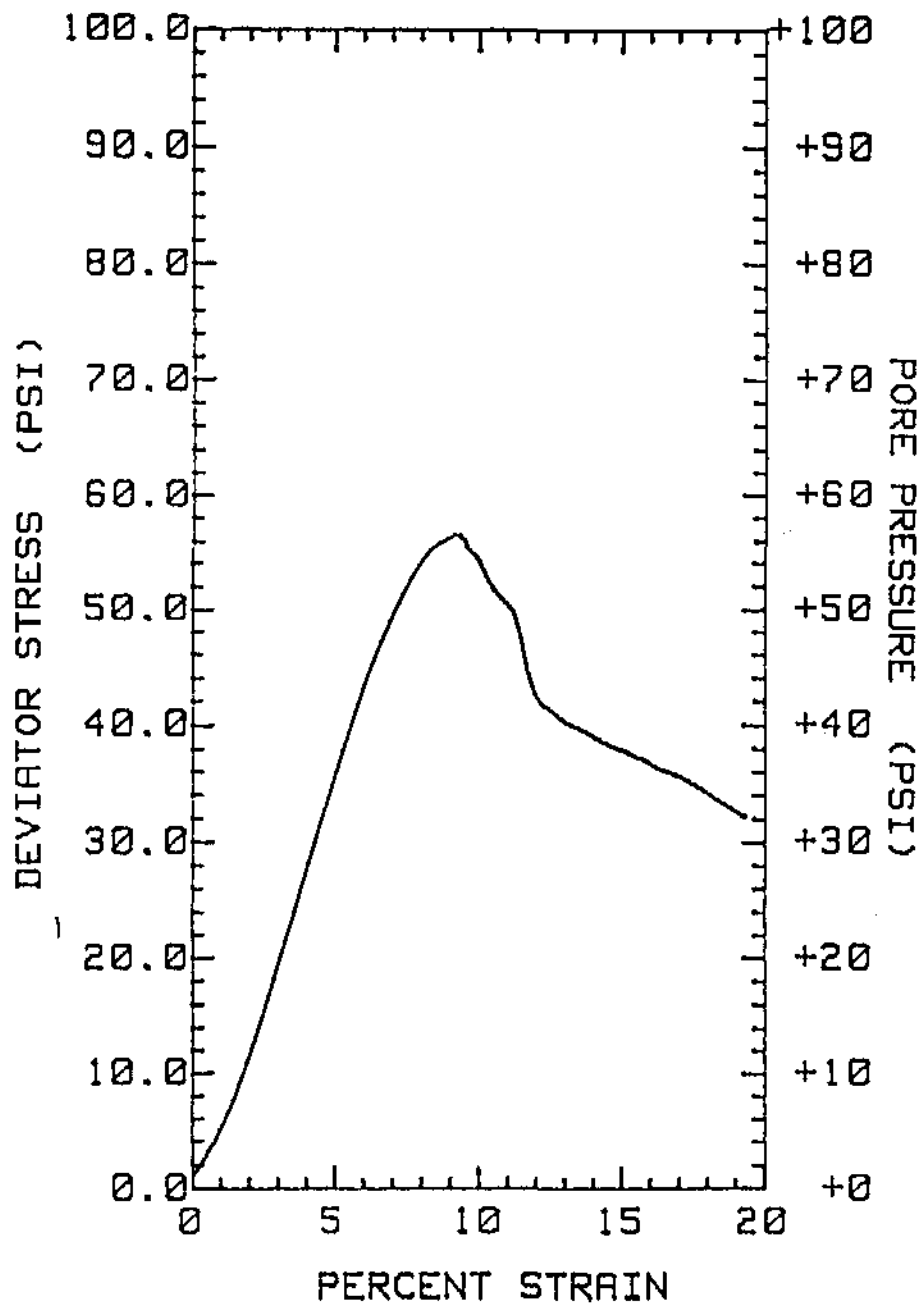


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-3
SAMPLE #
DEPTH: 20.0'

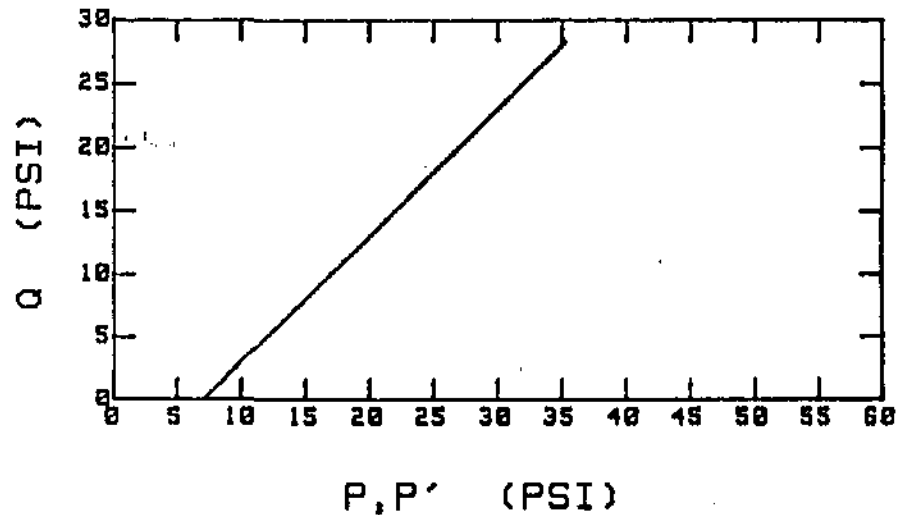
LAB # T97031; $\bar{\sigma}_v = 7.0$ psi; $\gamma_s = 94.2$ pcf

DATE : 11 Apr 1996 09:32:11





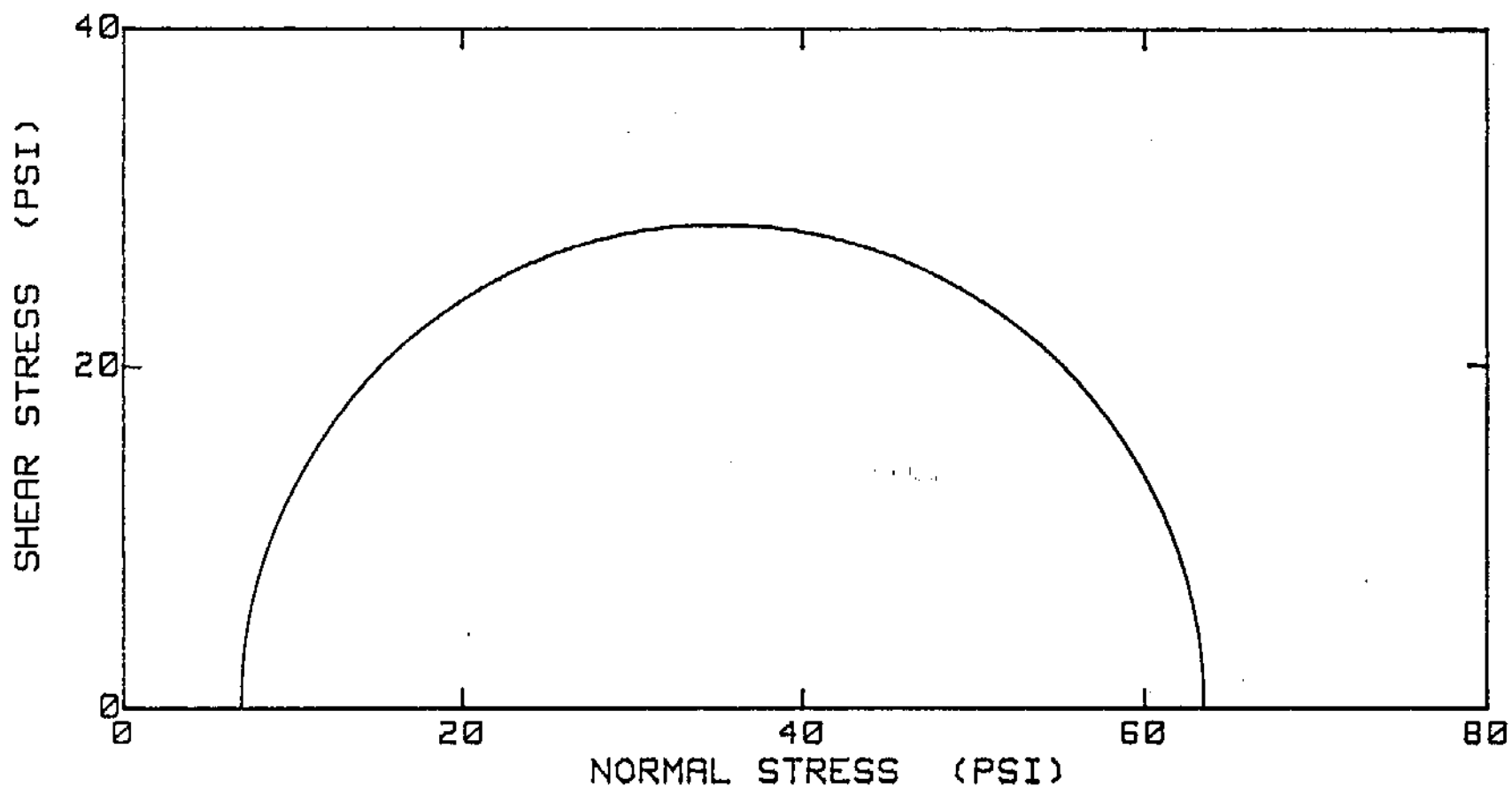
PROJECT : LIBERTY
 CLIENT : DURNE MILLER
 NO # A27153
 BORING # I-4 DEPTH : 2.0'
 SAMPLE #
 INITIAL DRY DENSITY: 92.2 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # T97024
 DATE: 9 Apr 1996 09:39:32

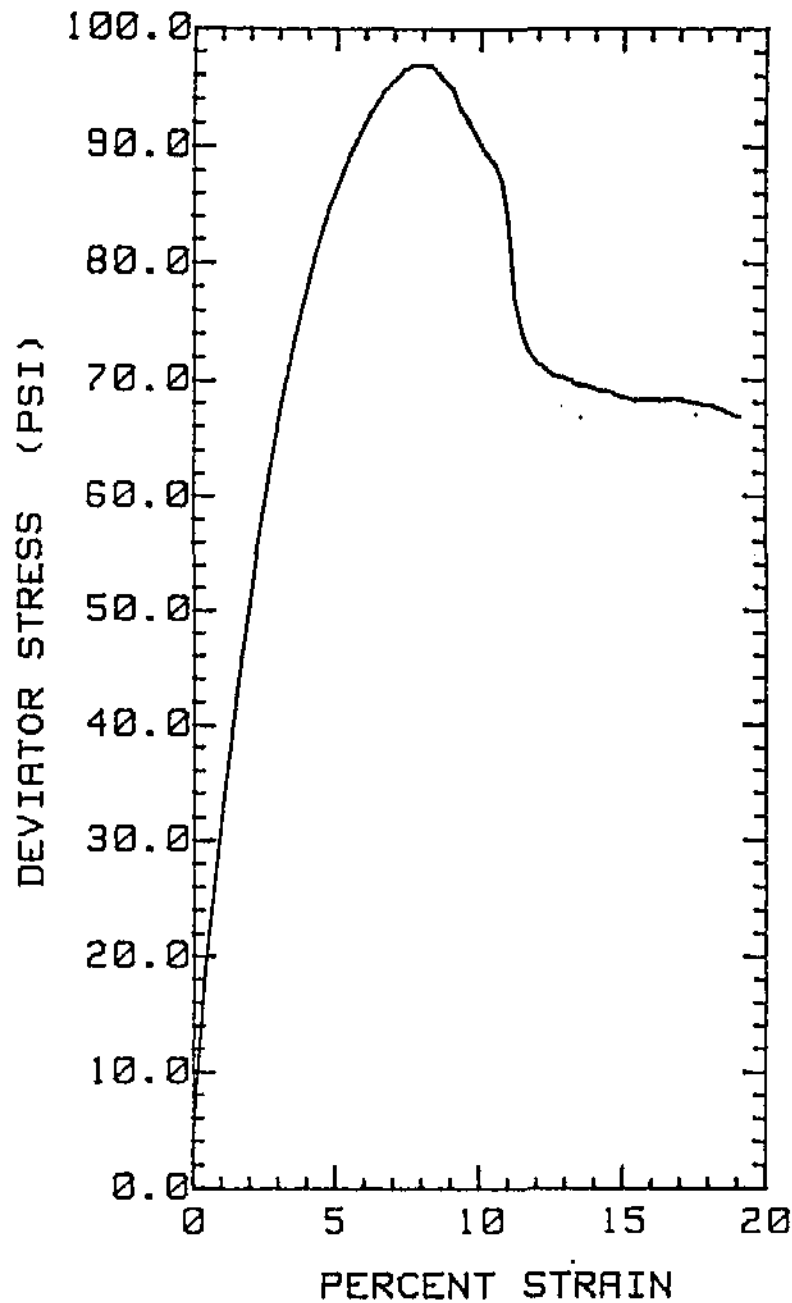


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-4
SAMPLE #
DEPTH: 2.0'

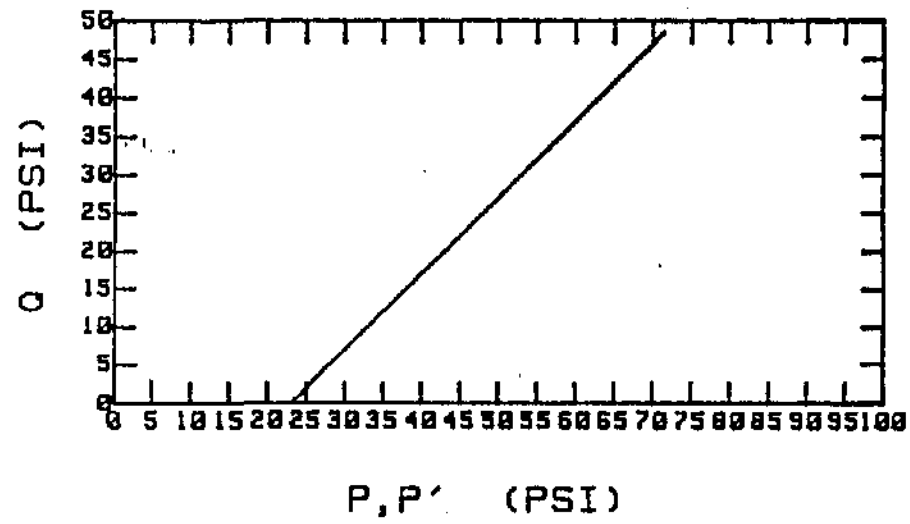
LAB # T97024; $\bar{\sigma}_v = 7.0$ psi; $\gamma_v = 92.2$ pcf

DATE : 9 Apr 1996 09:39:32





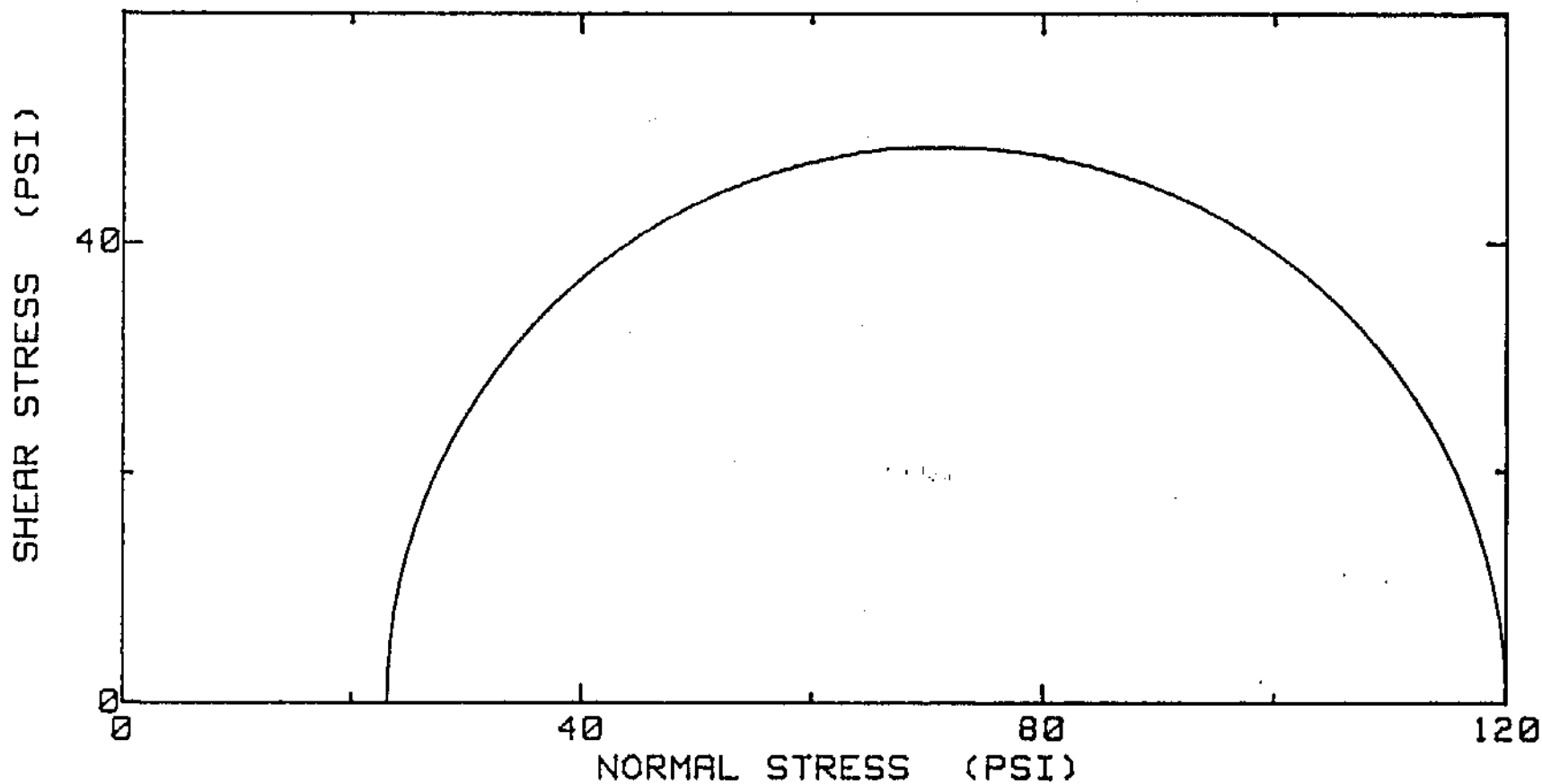
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-4 DEPTH : 2.8'
 SAMPLE #
 INITIAL DRY DENSITY: 99.4 pcf
 EFFECTIVE CONFINING PRESSURE: 23.0 psi
 FINAL MOISTURE CONTENT: 26.5 percent
 LABORATORY # T97026
 DATE: 9 Apr 1996 15:21:53

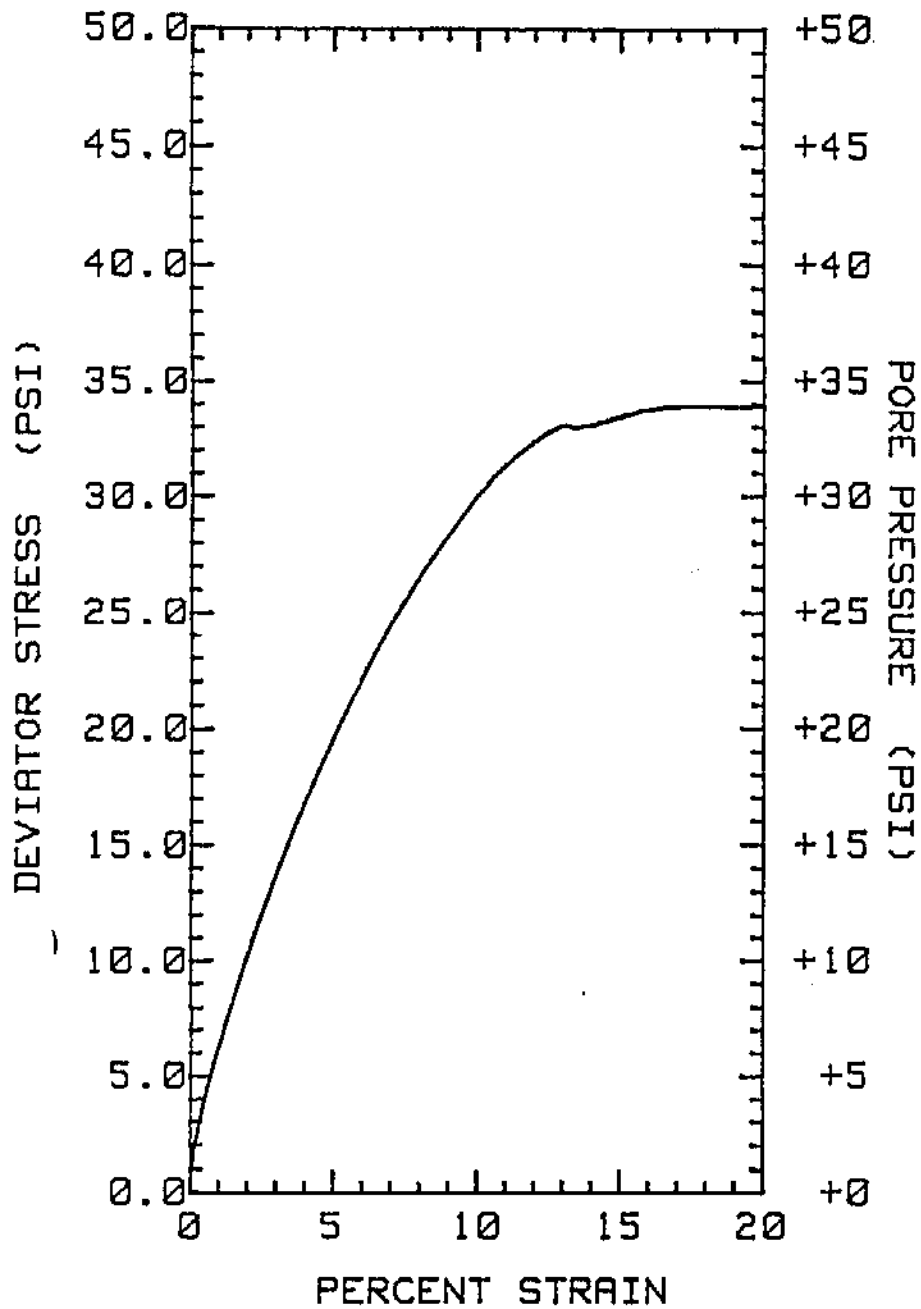


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-4
SAMPLE #
DEPTH: 2.0'

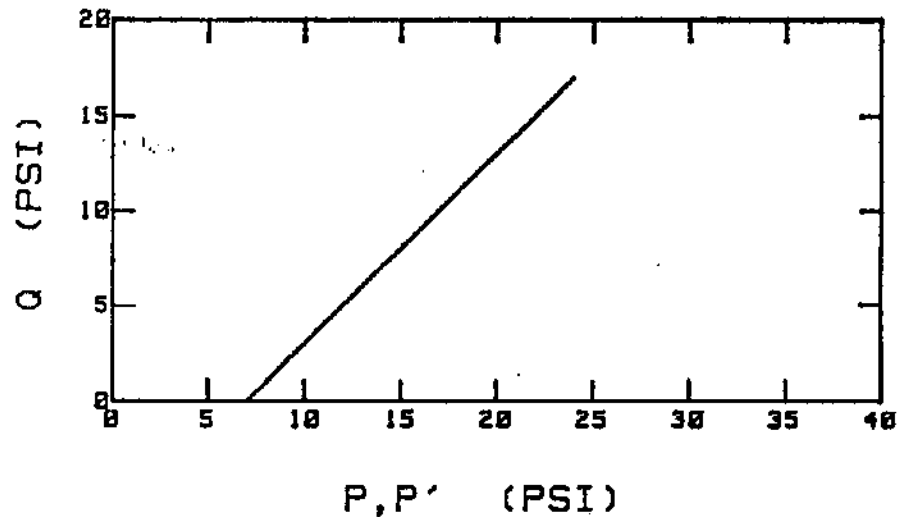
LAB # T97026; $\bar{\sigma}_v = 23.0$ psi; $\gamma_s = 99.4$ pcf

DATE : 9 Apr 1996 15:21:53





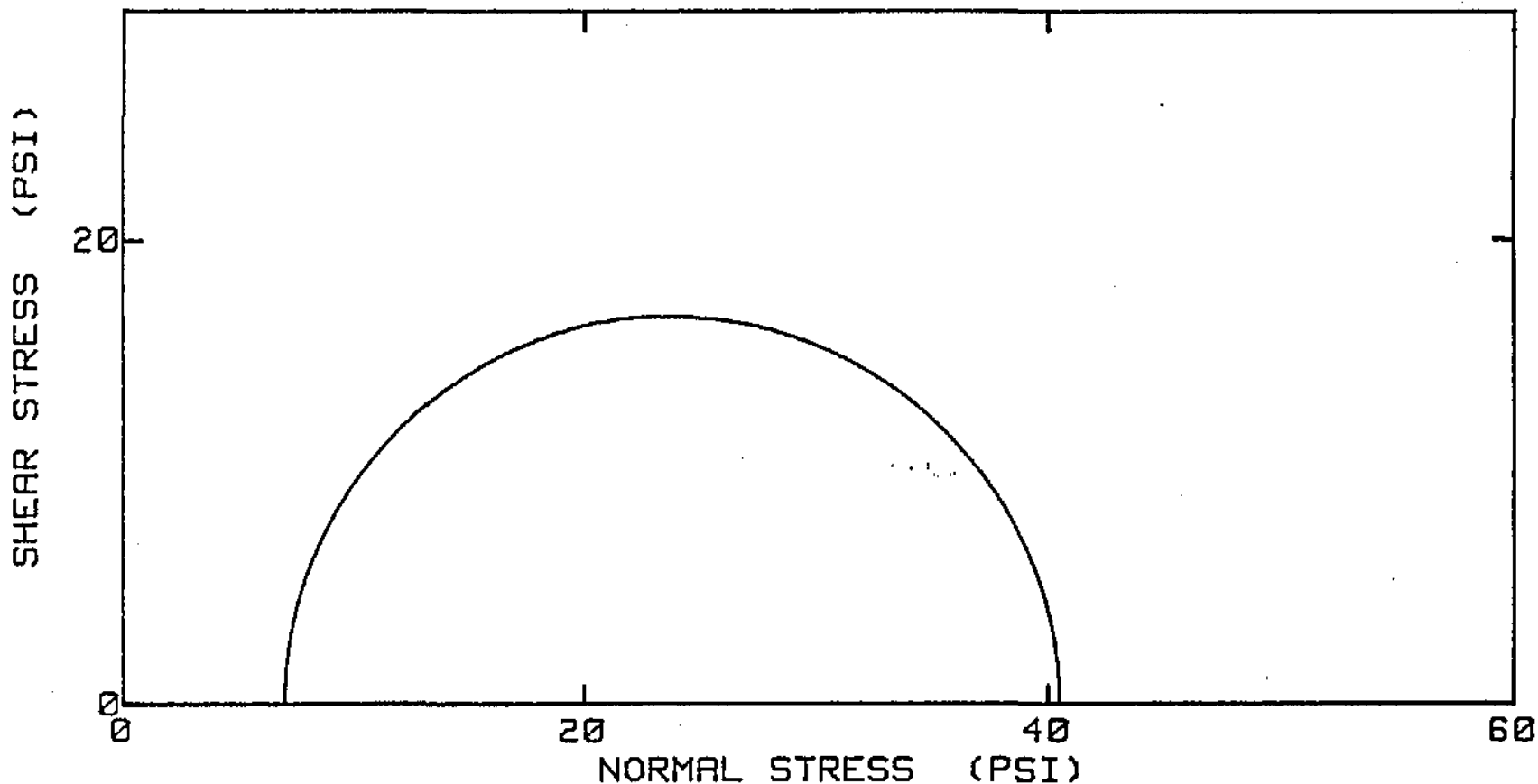
PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-4 DEPTH : 7.8'
 SAMPLE #
 INITIAL DRY DENSITY: 96.8 pcf
 TOTAL CONFINING PRESSURE : 7.8 psf
 LABORATORY # T97027
 DATE: 9 Apr 1996 13:53:36

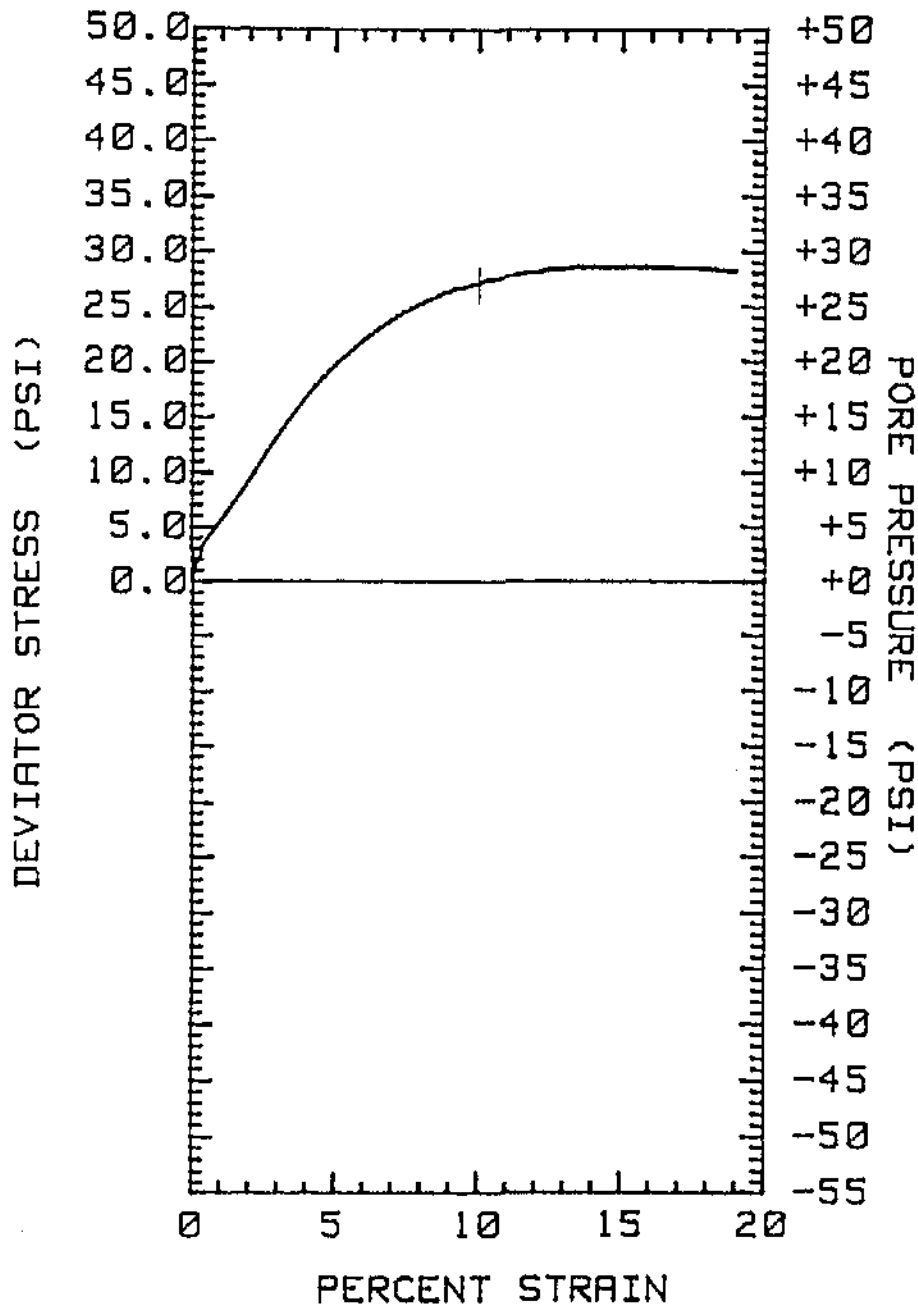


PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-4
SAMPLE #
DEPTH: 7.0'

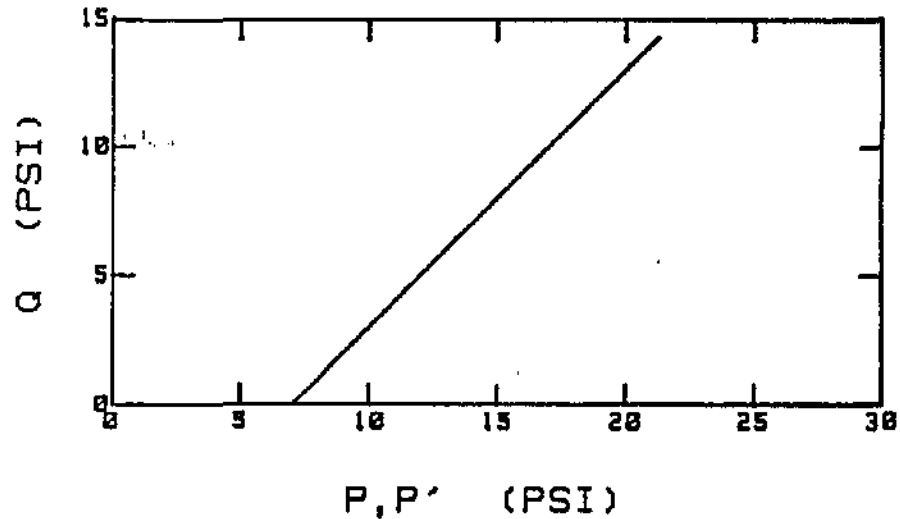
LAB # T97027; $\sigma_v = 7.0$ psi; $\gamma_s = 96.8$ pcf

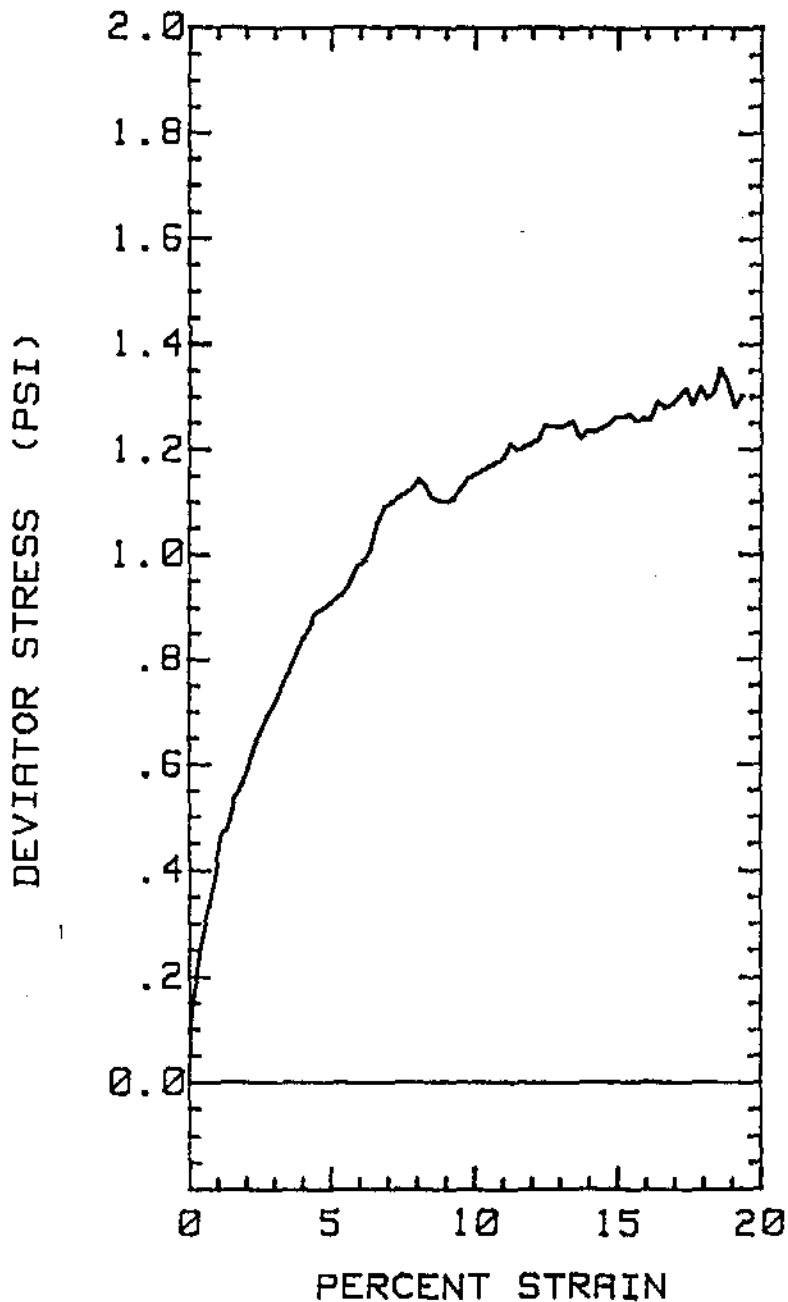
DATE : 9 Apr 1996 13:53:36





PROJECT : LIBERTY
 CLIENT : DUANE MILLER
 NO # A27153
 BORING # I-4 DEPTH : 12.8'
 SAMPLE #
 INITIAL DRY DENSITY: 89.9 pcf
 TOTAL CONFINING PRESSURE : 7.0 psi
 LABORATORY # T97045
 DATE: 18 Apr 1996 14:14:19



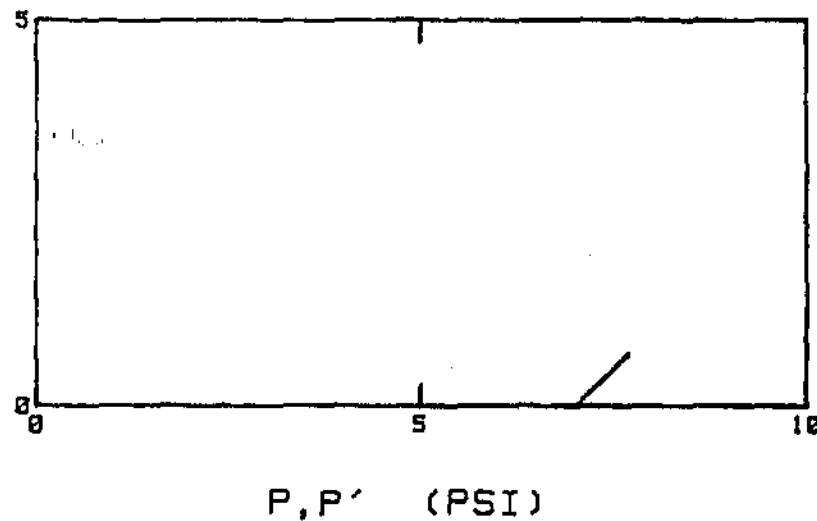


+2
+2
+2
+1
+1
+1
+1
+1
+1
+0
+0
+0
+0
-0

PORE PRESSURE (PSI)

0 (PSI)

PROJECT : LIBERTY
 CLIENT : DUARNE MILLER
 NO # A27153
 BORING # A-6 DEPTH : 3'
 SAMPLE #
 INITIAL DRY DENSITY: 55.1 pcf
 TOTAL CONFINING PRESSURE : 7.0 psf
 LABORATORY # T97887
 DATE: 17 Mar 1996 07:52:45

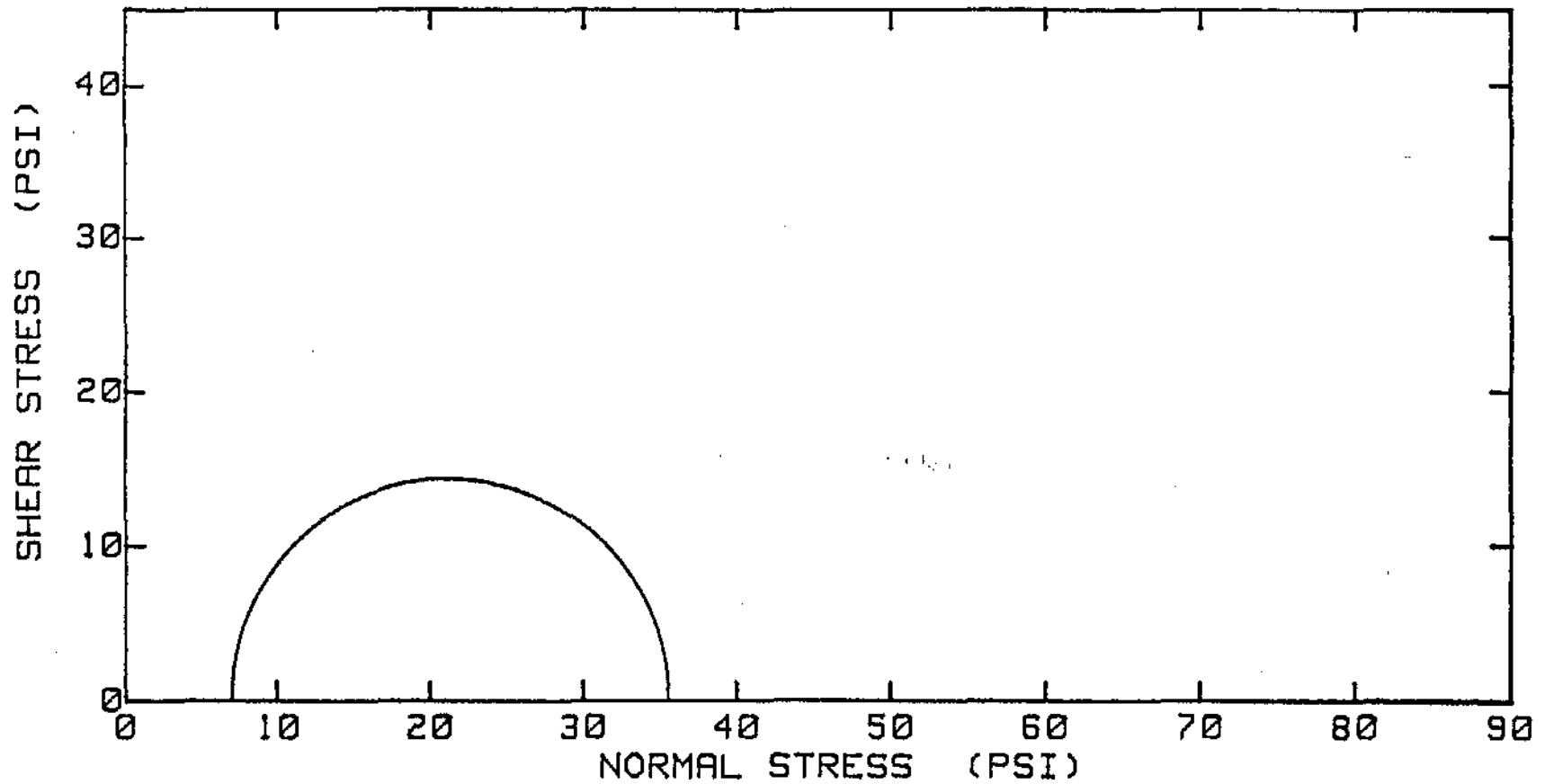


P, P' (PSI)

PROJECT : LIBERTY
CLIENT : DUANE MILLER
W.O. # A27153
BORING # I-4
SAMPLE #
DEPTH: 12.0'

LAB # T97045; $\sigma_v = 7.0$ psi; $\gamma_s = 89.9$ pcf

DATE : 18 Apr 1996 14:14:19



APPENDIX D

STRENGTH TESTING

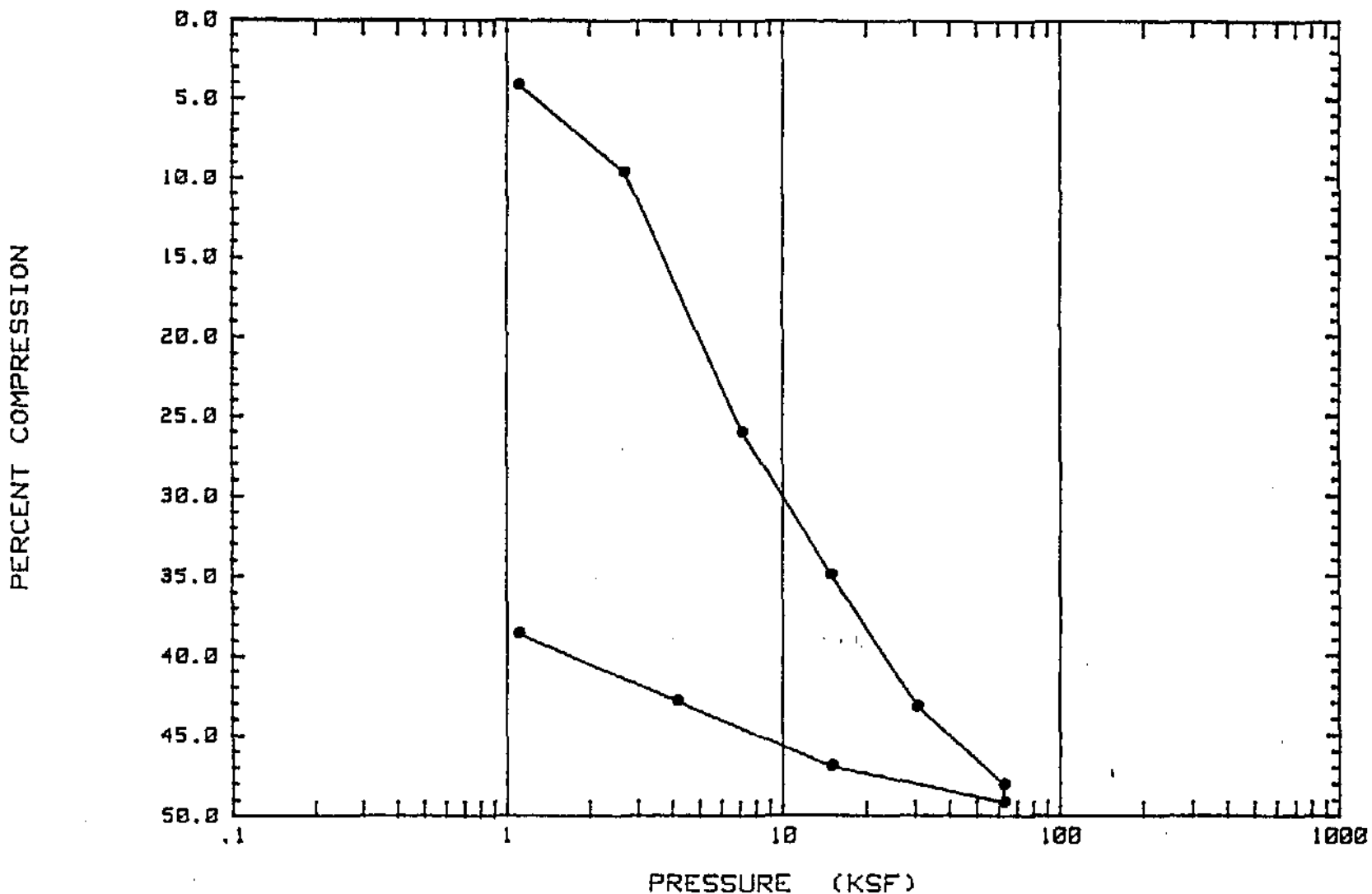
Consolidation

PROJECT : LIBERTY
BORING # I-1
SAMPLE #

CLIENT : DUANE MILLER

DEPTH: 3.0'

LABORATORY # C97034



ALASKA TESTLAB

Compression Curve (%Comp. vs. Log P)

NO # A27153

FIGURE

PROJECT : LIBERTY

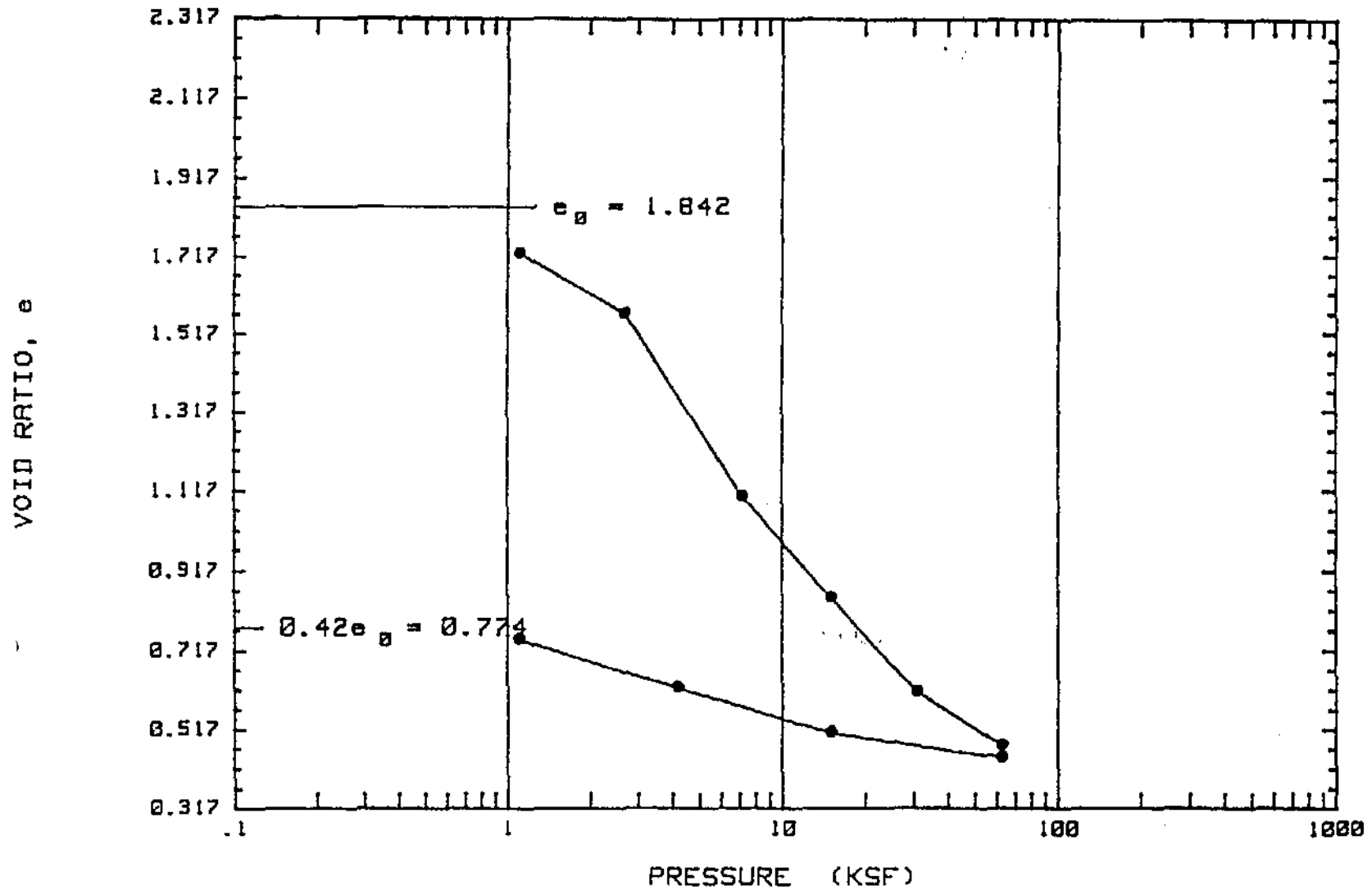
CLIENT : DUANE MILLER

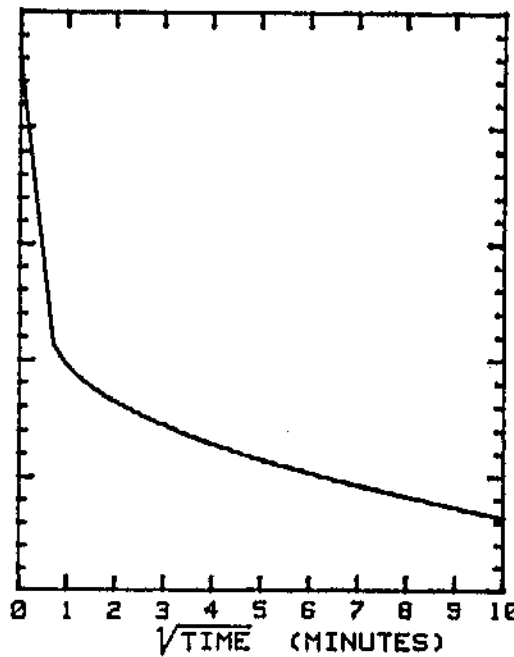
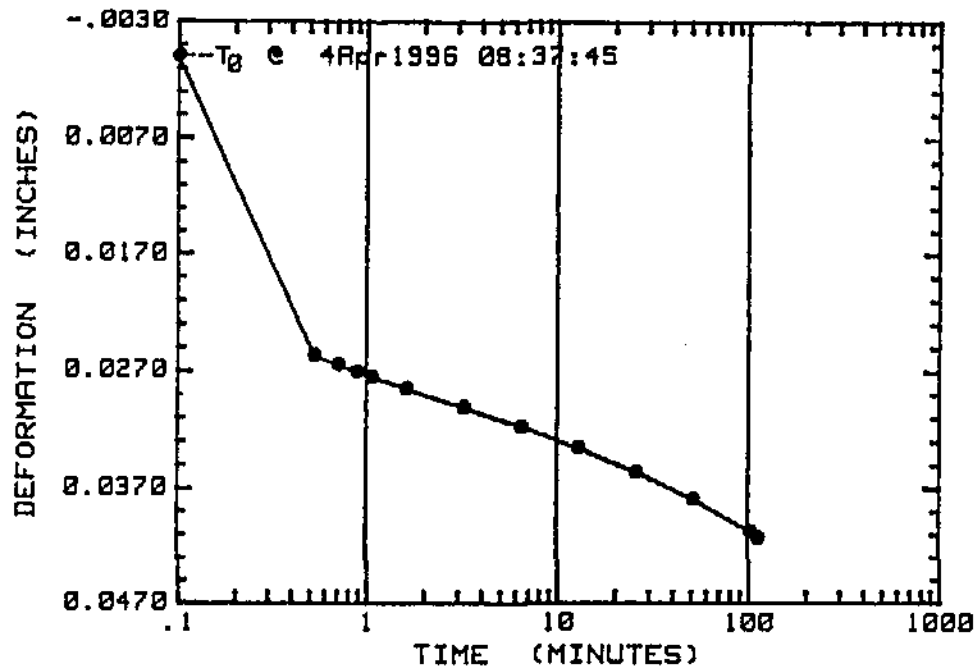
BORING # I-1

DEPTH: 3.0'

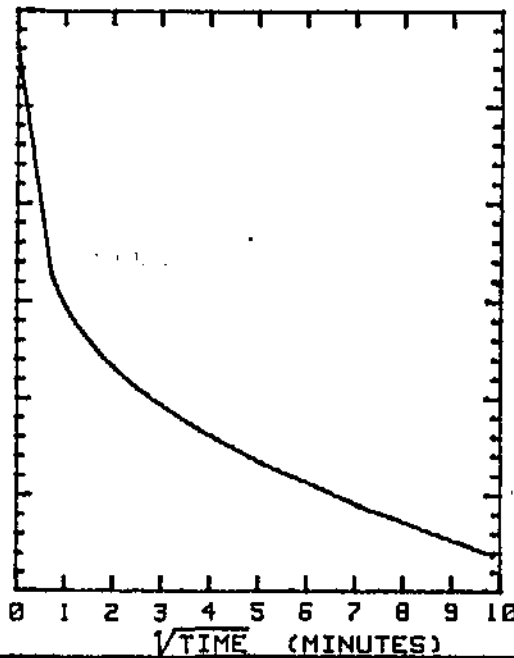
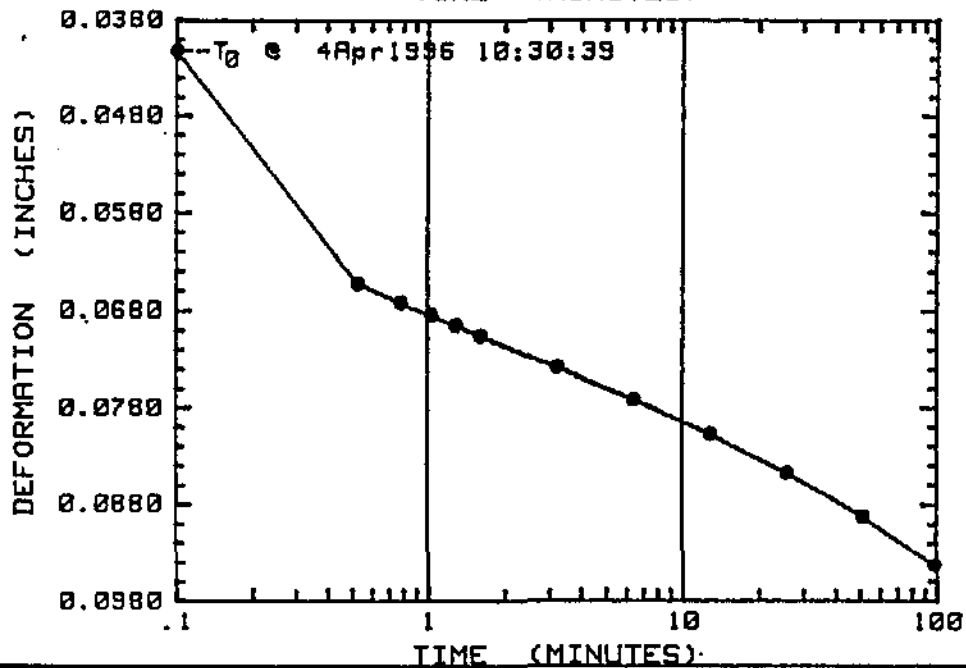
SAMPLE #

LABORATORY # C97034

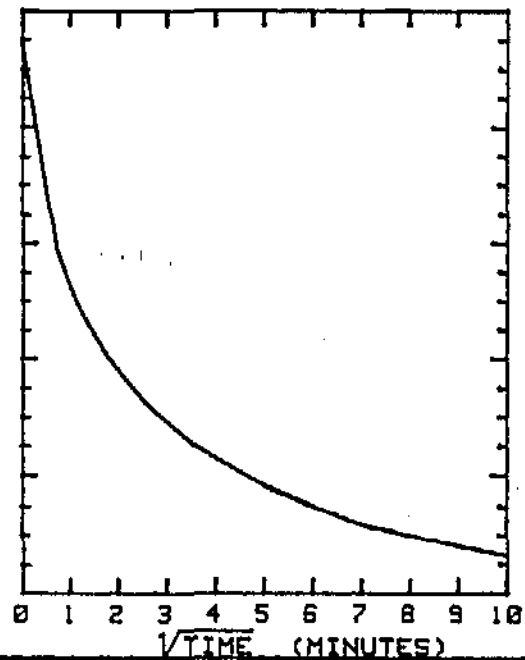
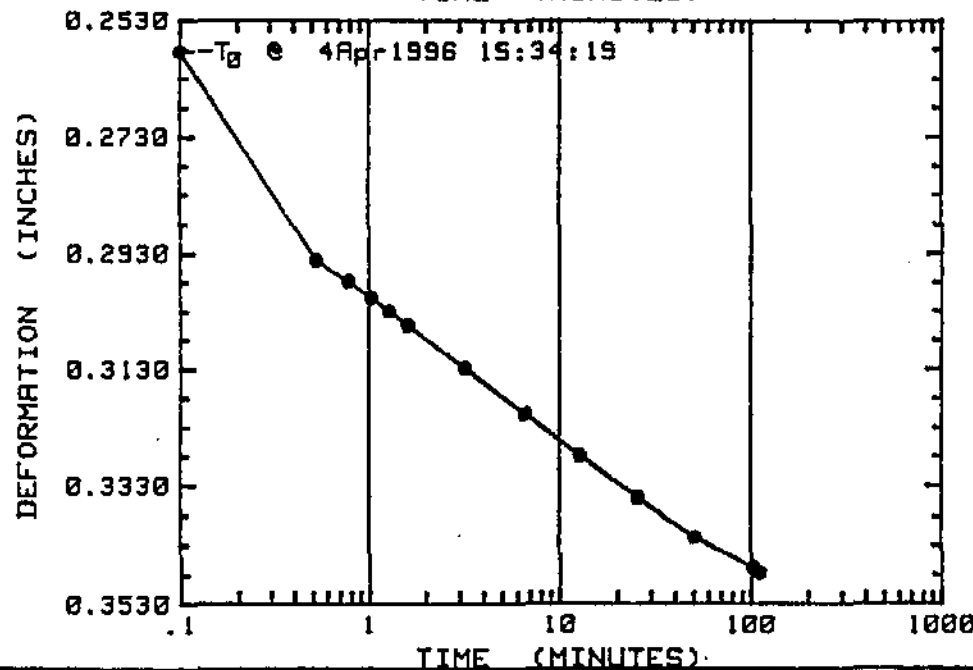
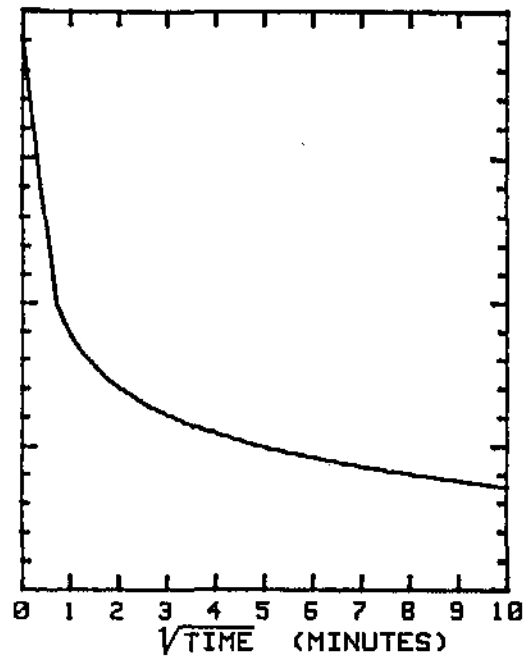
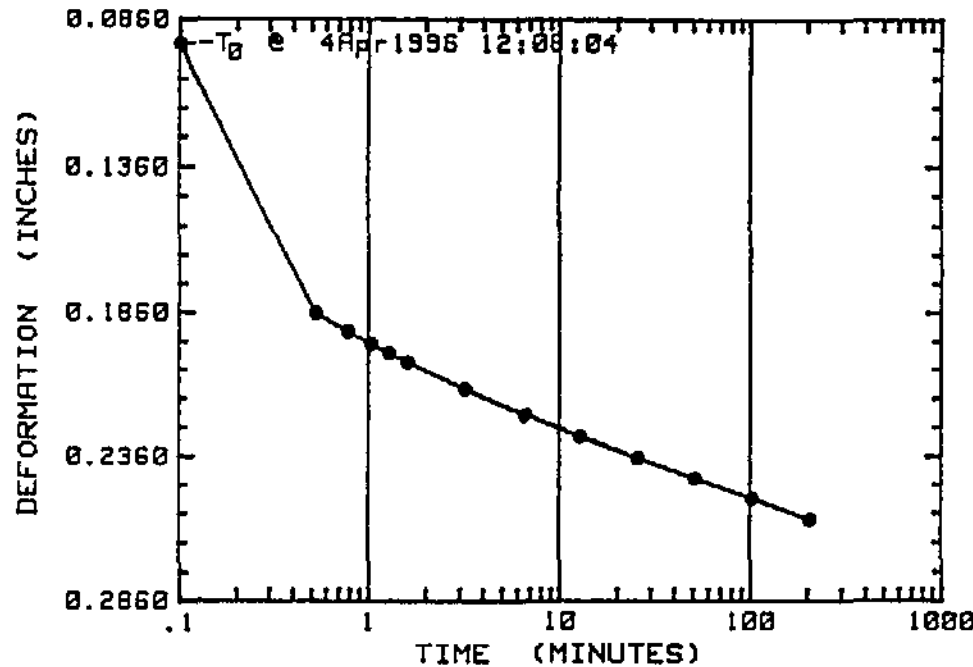


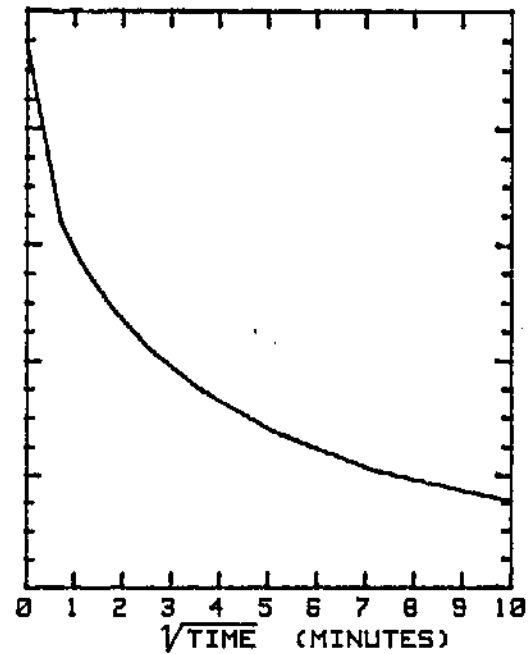
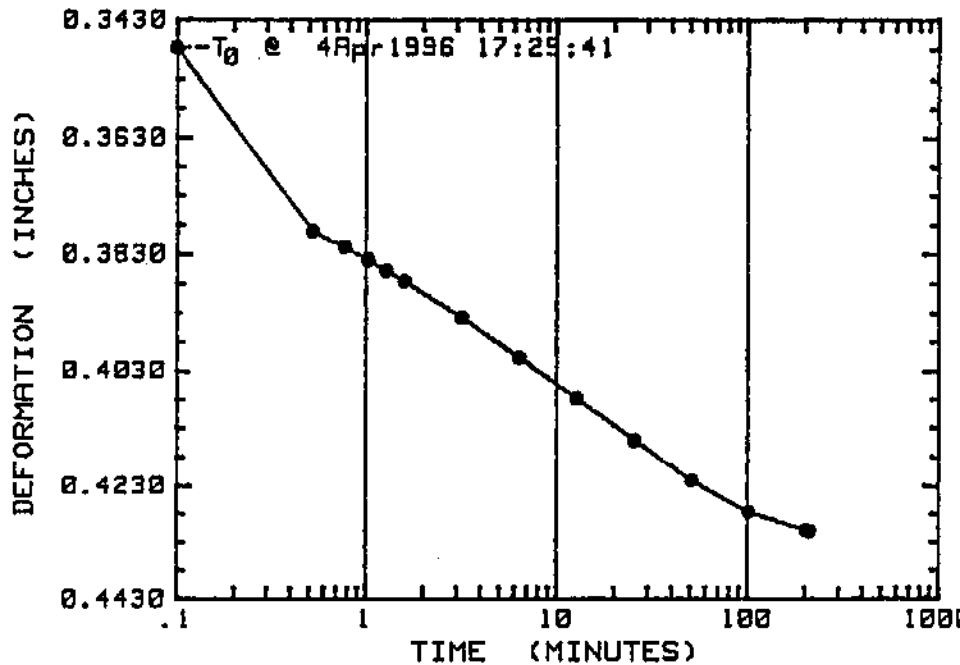


NO #A27153
 BORING #I-1
 SAMPLE #
 PART # B
 DEPTH 13.0'
 (SUBTRACT A CORRECTION
 OF -.0016"
 FROM EACH READING)
 PRESSURE: 1100 PSF

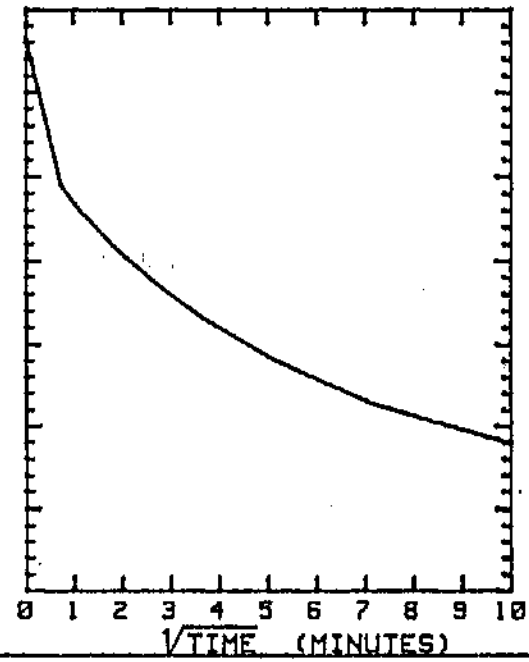
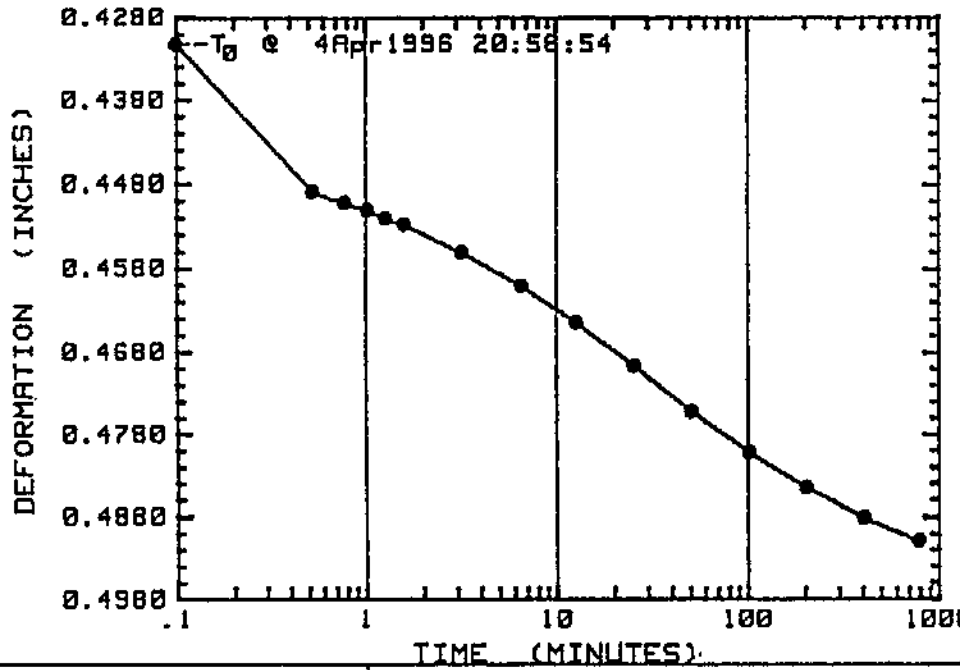


NO #A27153
 BORING #I-1
 SAMPLE #
 PART # B
 DEPTH 13.0'
 (SUBTRACT A CORRECTION
 OF -.0011"
 FROM EACH READING)
 PRESSURE: 2600 PSF

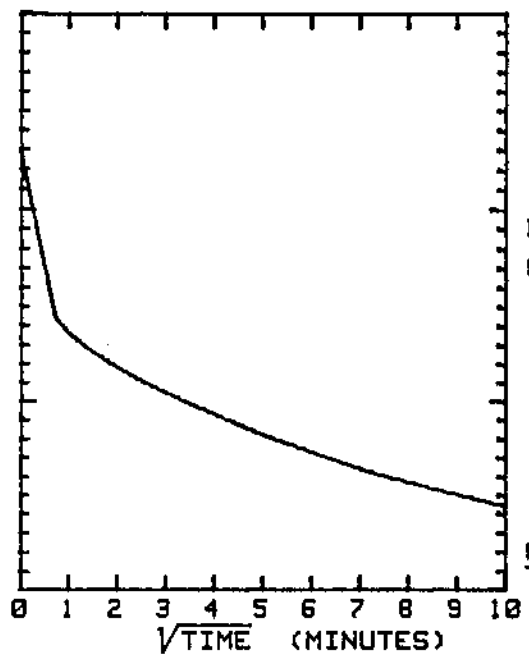
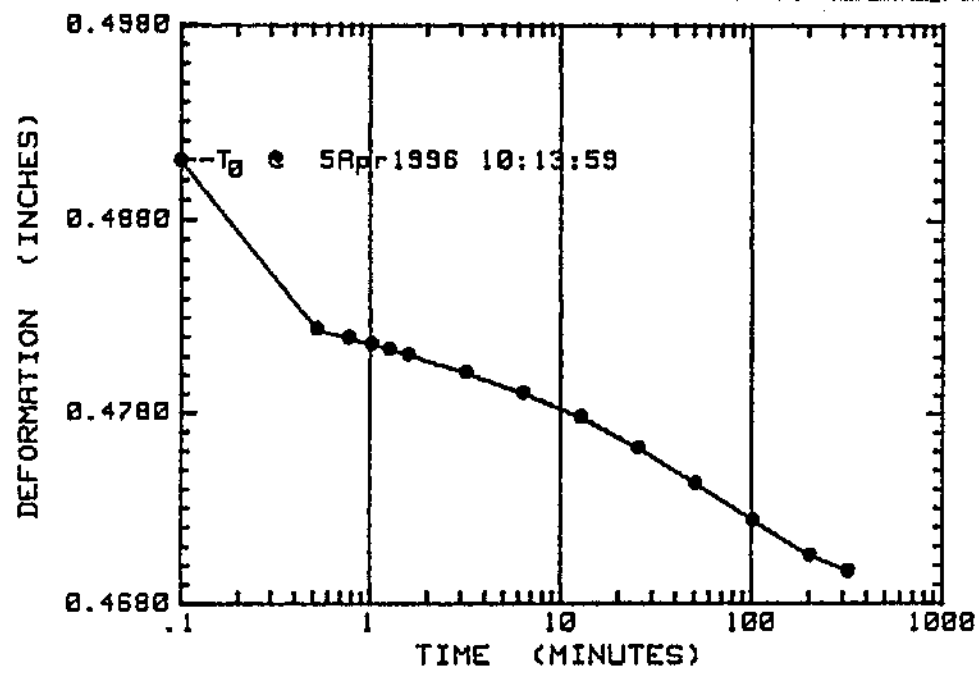




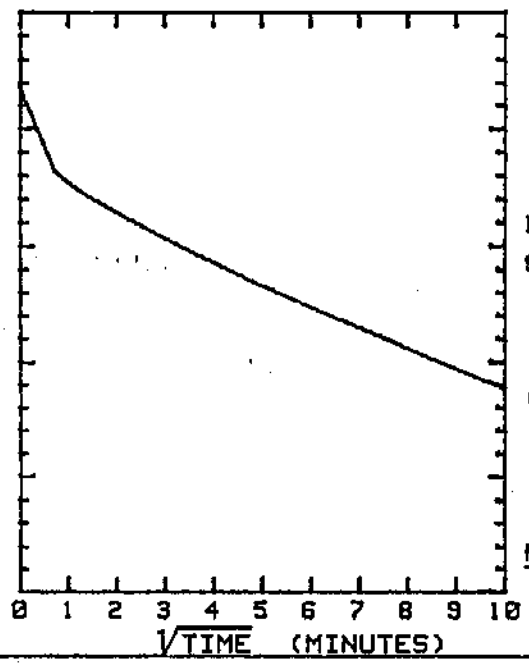
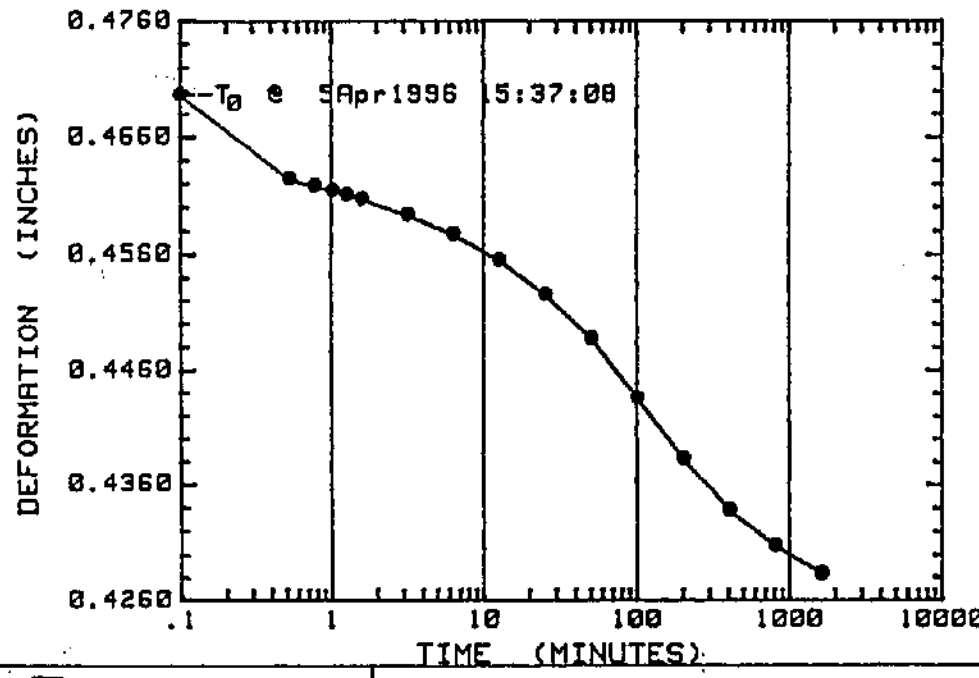
WC #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH :3.0'
 (SUBTRACT A CORRECTION
 OF 0.0014"
 FROM EACH READING)
 PRESSURE: 30700 PSF



WC #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH :3.0'
 (SUBTRACT A CORRECTION
 OF 0.0024"
 FROM EACH READING)
 PRESSURE: 62800 PSF



NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH :3.0'
 (SUBTRACT A CORRECTION
 OF 0.0009"
 FROM EACH READING)
 PRESSURE: 15000 PSF



NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH :3.0'
 (SUBTRACT A CORRECTION
 OF -.0002"
 FROM EACH READING)
 PRESSURE: 4100 PSF

APPENDIX D

CONSOLIDATION TEST DATA

PROJECT : LIBERTY

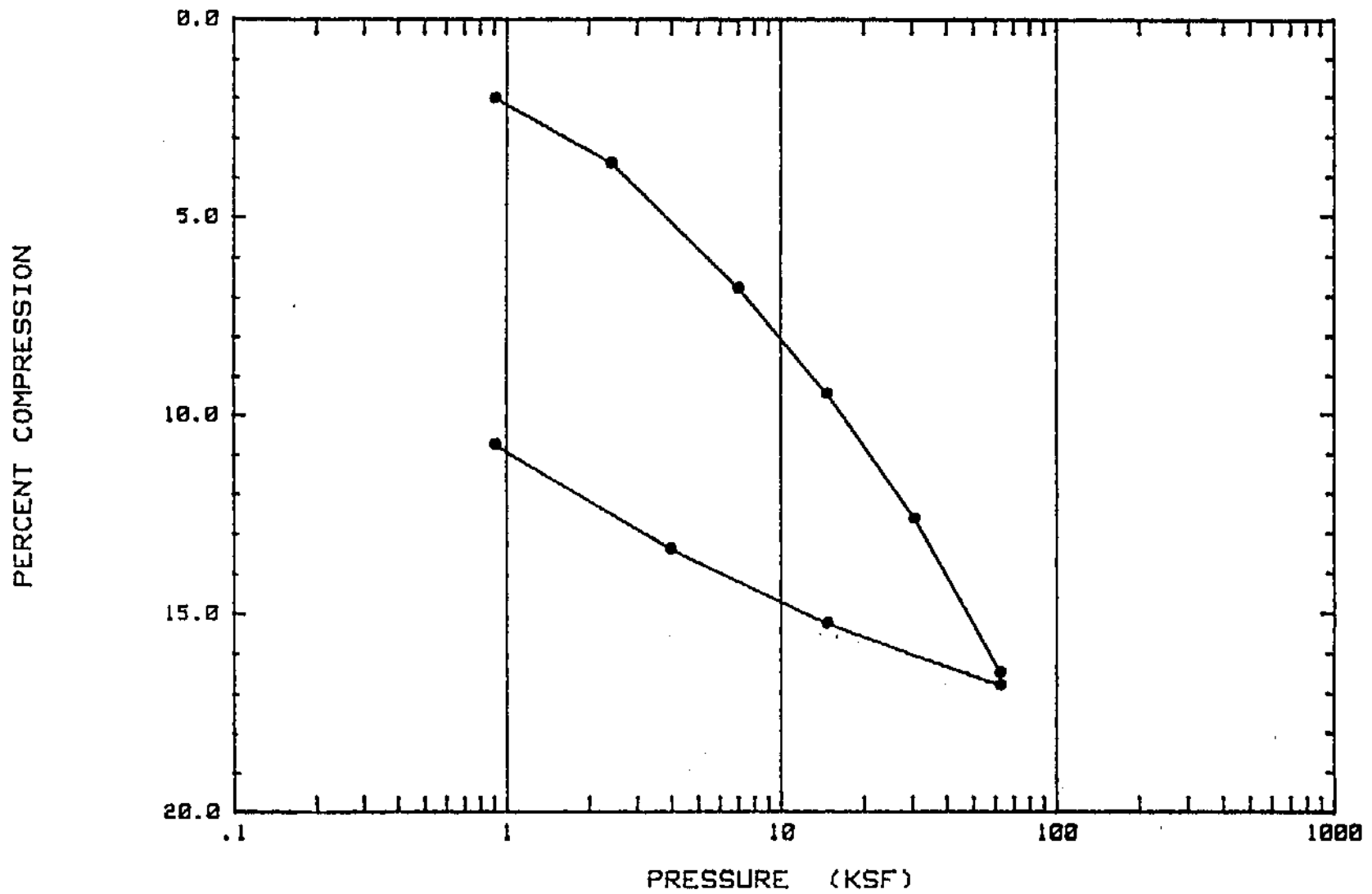
CLIENT : DUANE MILLER

BORING # I-1

SAMPLE #

DEPTH: 5.5'

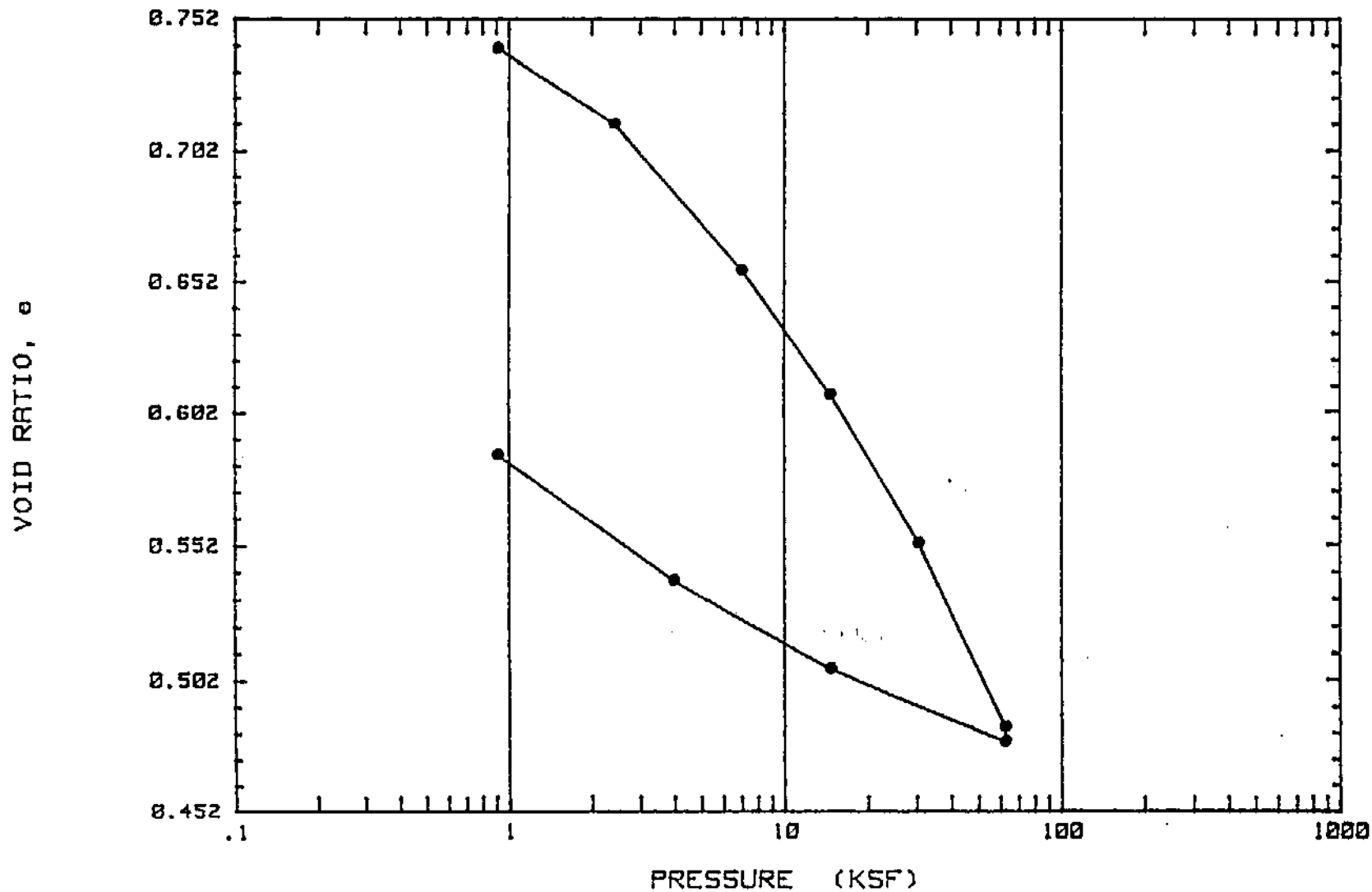
LABORATORY # C97035

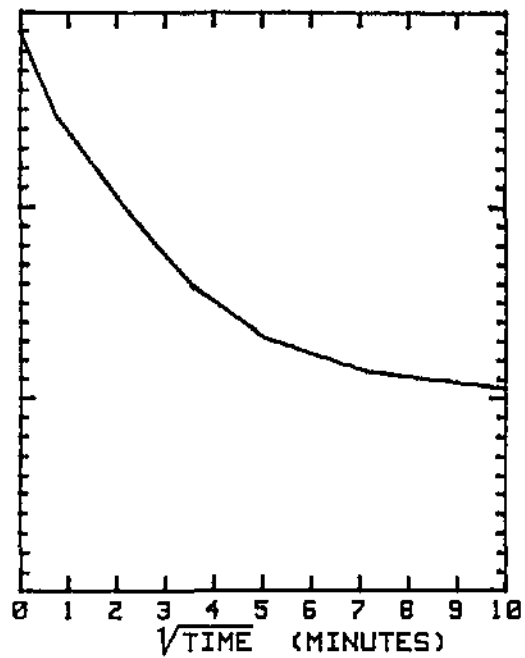
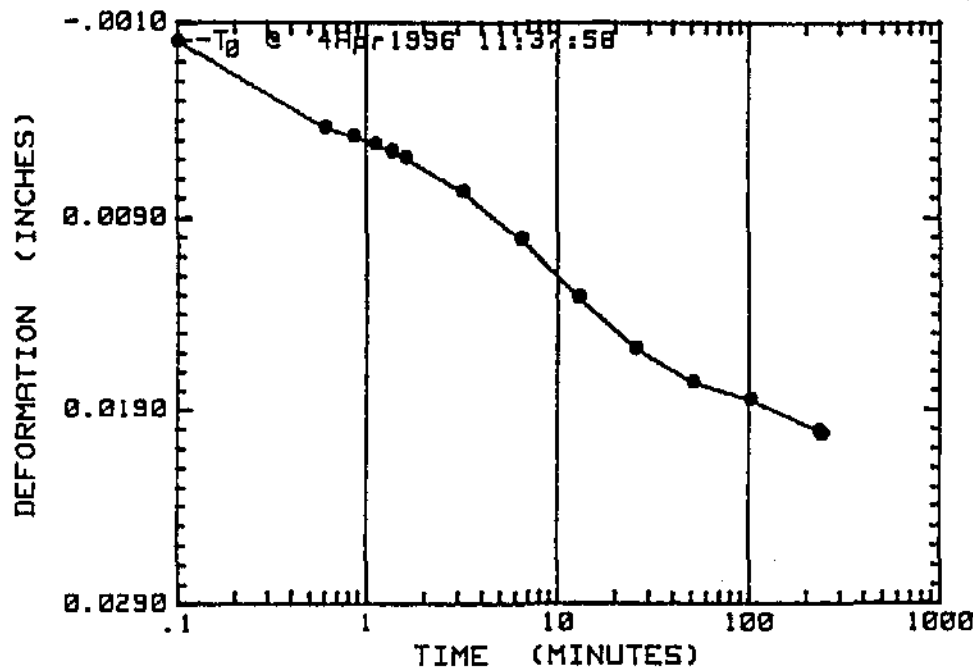


PROJECT : LIBERTY
BORING # I-1
SAMPLE #

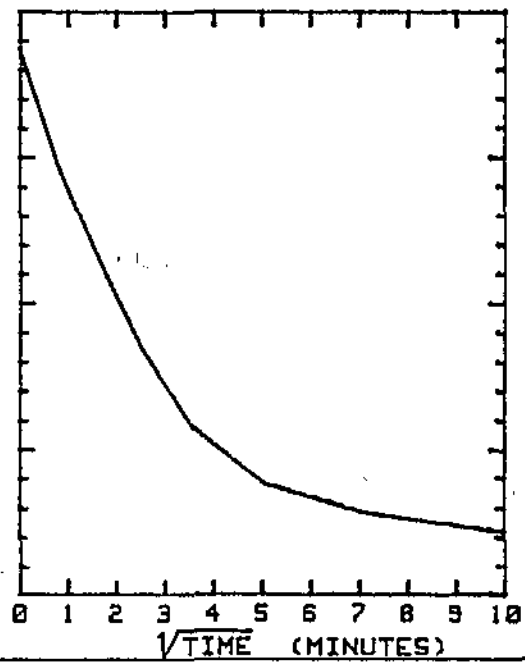
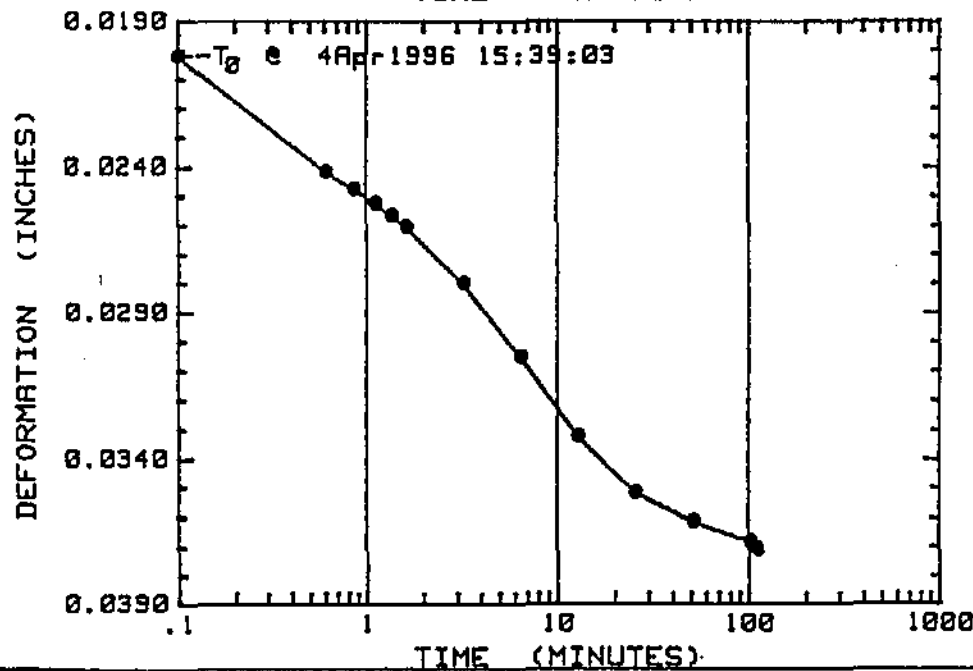
CLIENT : DUANE MILLER

DEPTH: 5.5' LABORATORY # C97035

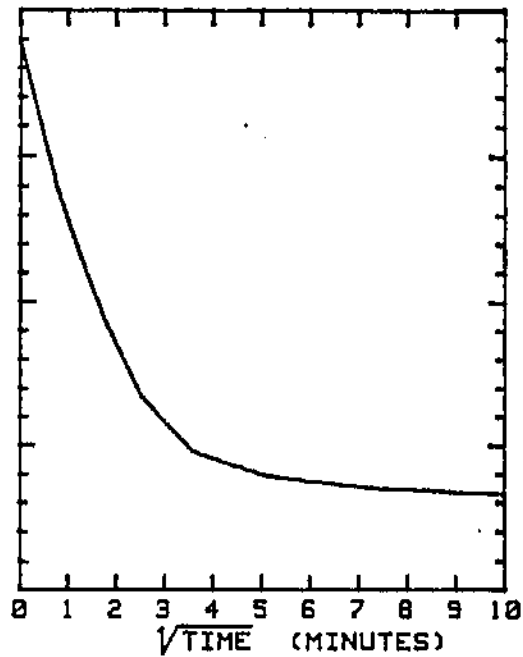
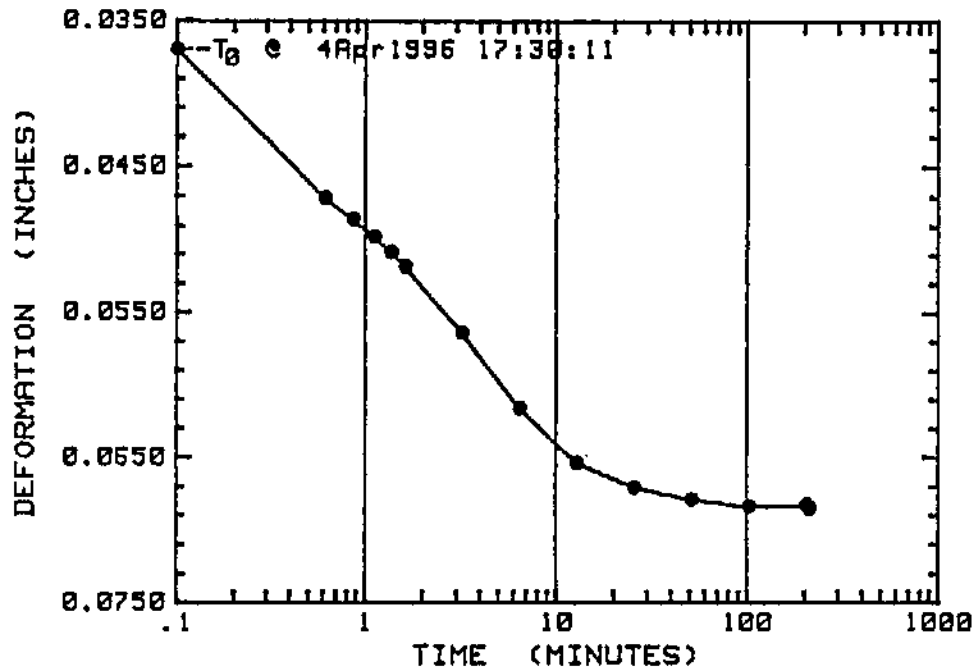




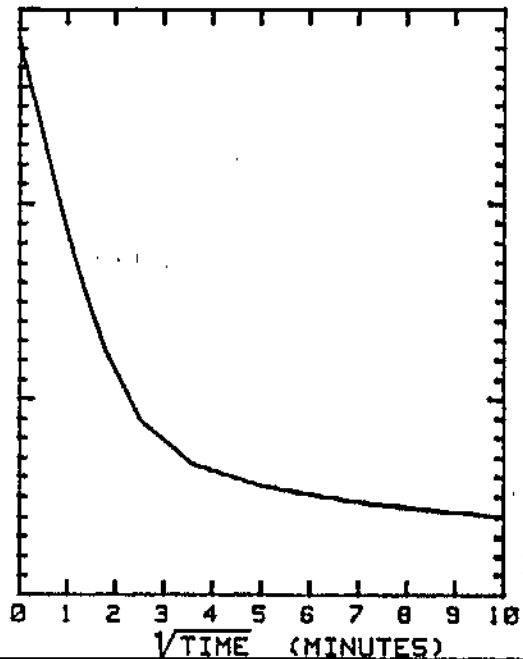
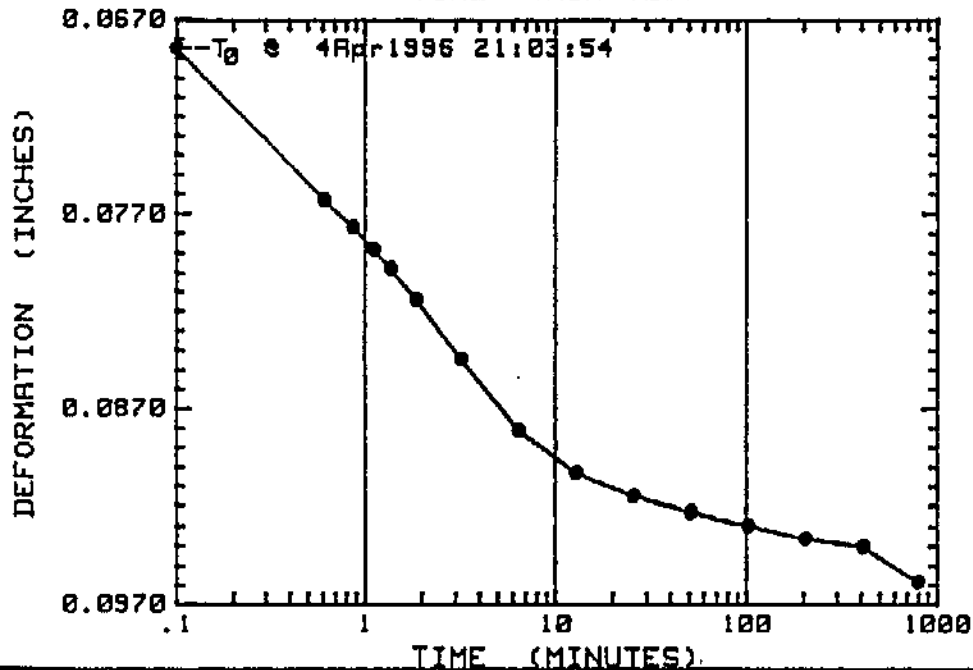
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 8
 DEPTH :5.5'
 (SUBTRACT A CORRECTION
 OF 0.0006"
 FROM EACH READING)
 PRESSURE: 989 PSF



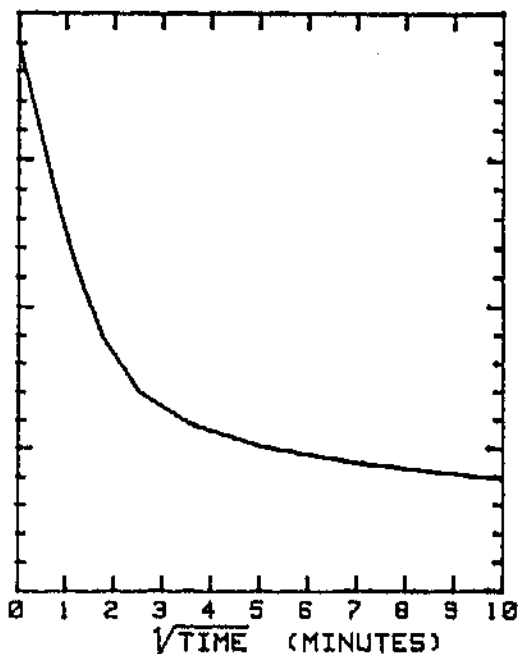
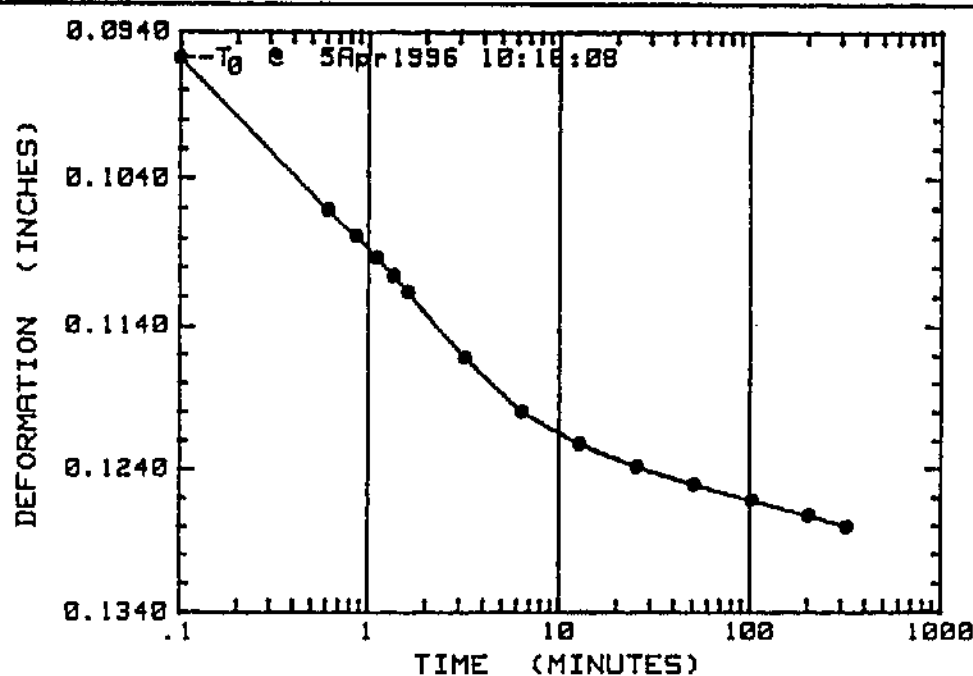
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 8
 DEPTH :5.5'
 (SUBTRACT A CORRECTION
 OF 0.0009"
 FROM EACH READING)
 PRESSURE: 2428 PSF



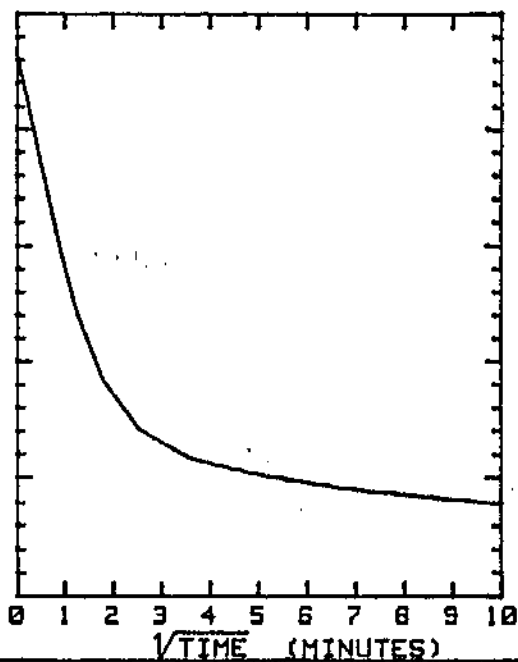
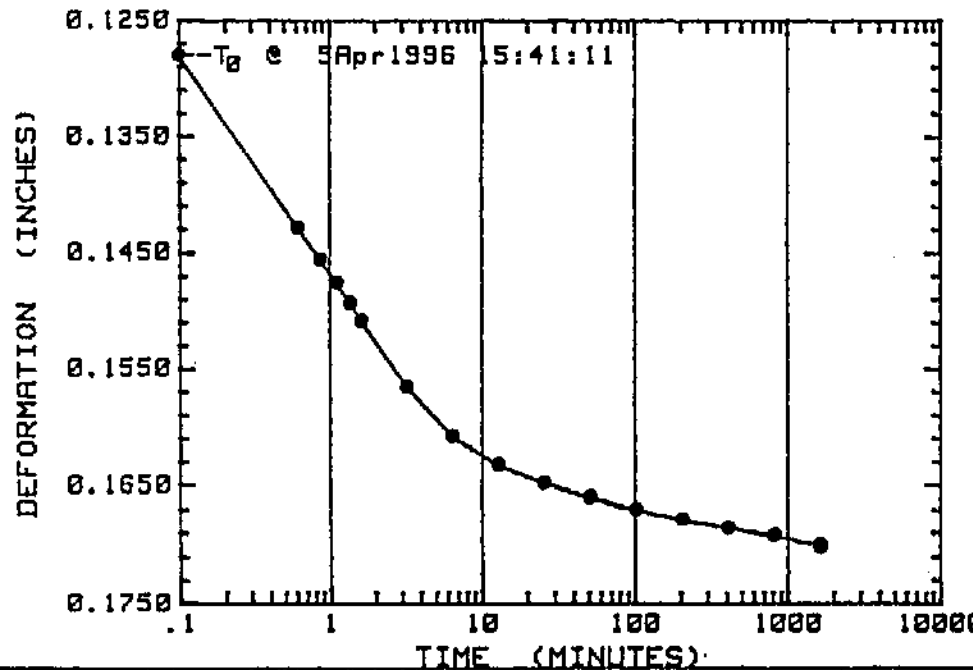
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # B
 DEPTH :5.5'
 (SUBTRACT A CORRECTION
 OF 0.0015"
 FROM EACH READING)
 PRESSURE: 7020 PSF



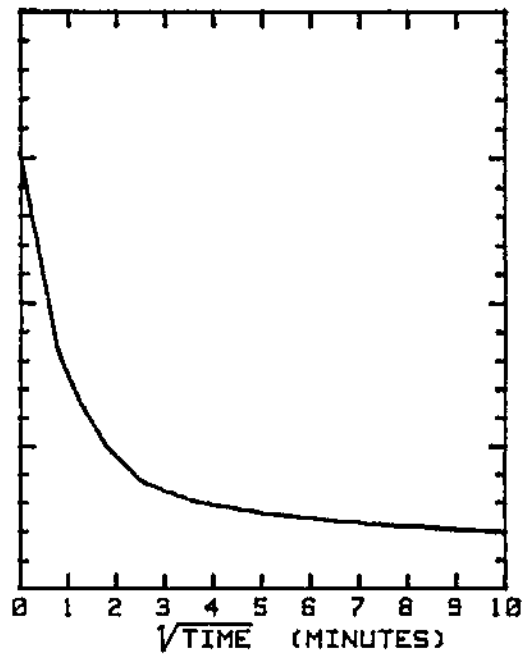
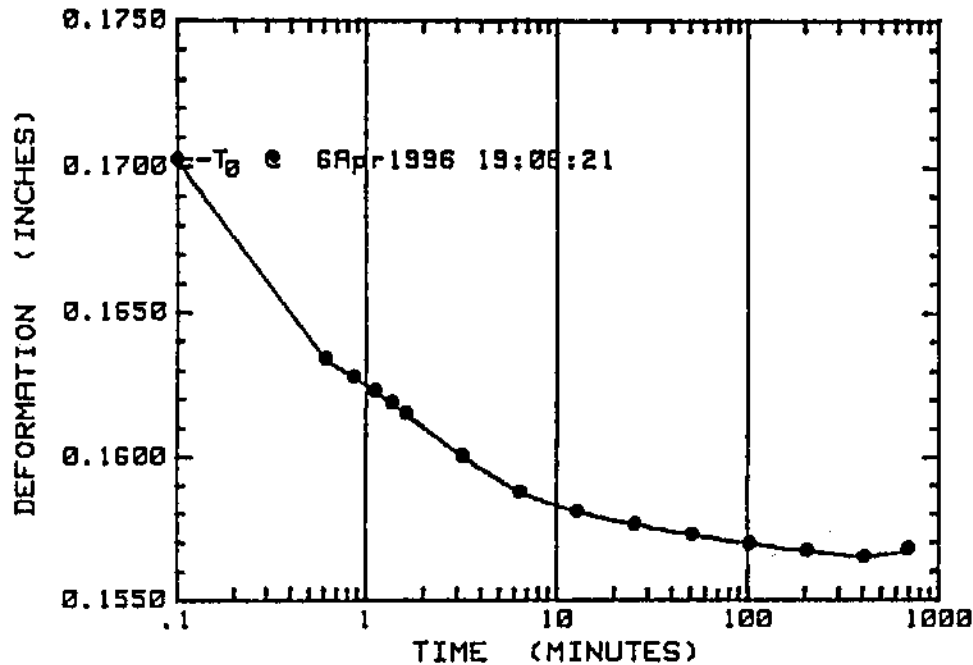
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # B
 DEPTH :5.5'
 (SUBTRACT A CORRECTION
 OF 0.0023"
 FROM EACH READING)
 PRESSURE: 14700 PSF



NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 5.5'
 (SUBTRACT A CORRECTION
 OF 0.0031"
 FROM EACH READING)
 PRESSURE: 30600 PSF



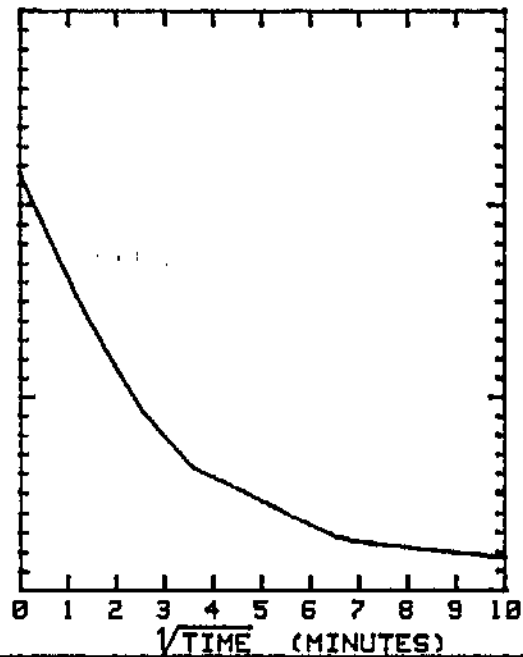
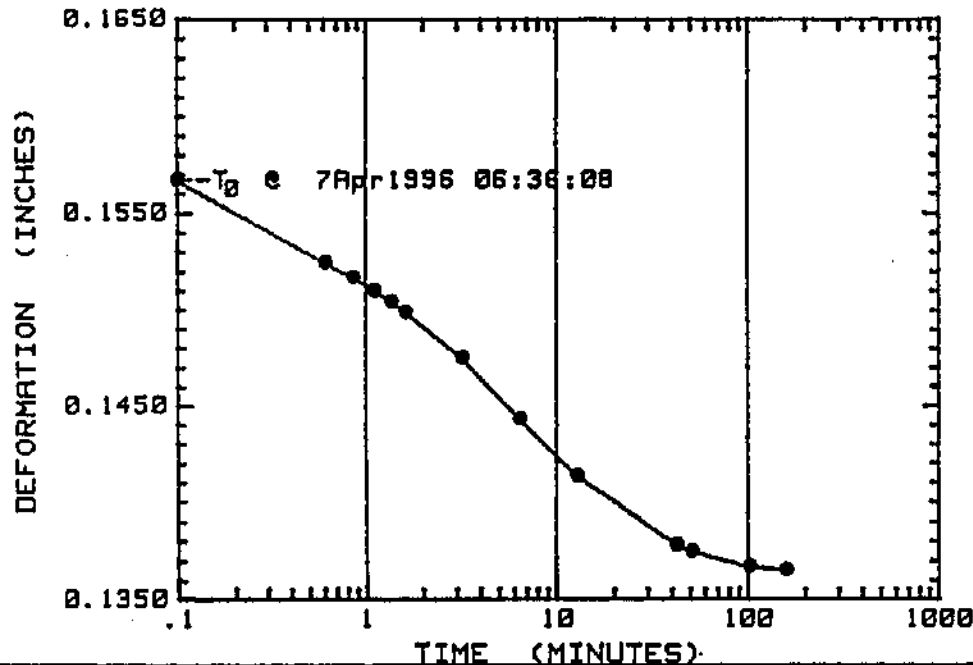
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 5.5'
 (SUBTRACT A CORRECTION
 OF 0.0049"
 FROM EACH READING)
 PRESSURE: 62600 PSF



NO #A27153
BORING #I-1
SAMPLE #
PART # B
DEPTH 15.5'

(SUBTRACT A CORRECTION
OF 0.0030"
FROM EACH READING)

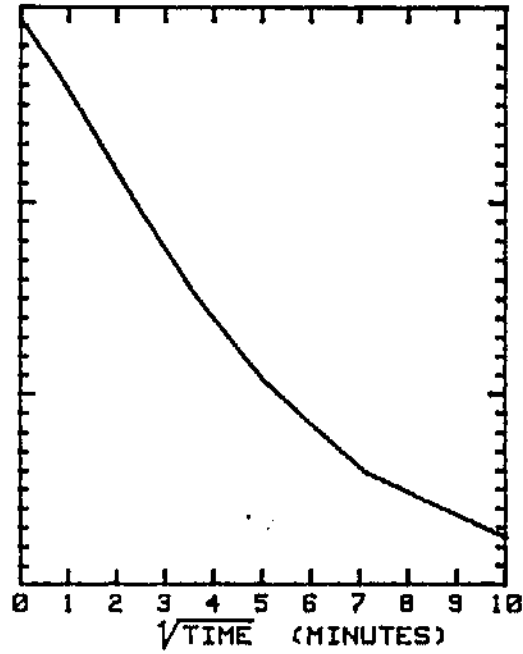
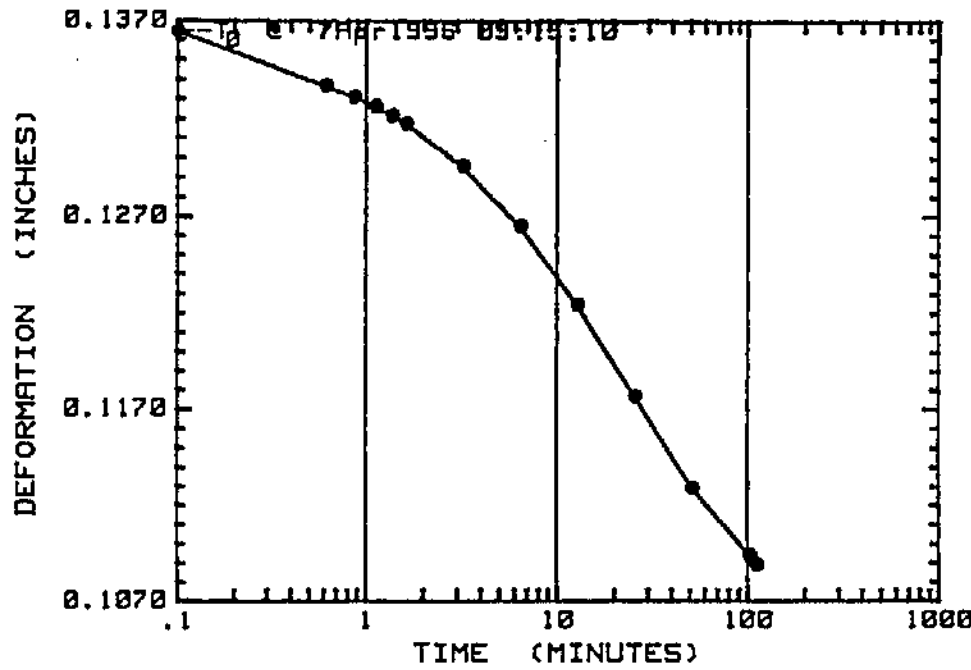
PRESSURE: 14700 PSF



NO #A27153
BORING #I-1
SAMPLE #
PART # B
DEPTH 15.5'

(SUBTRACT A CORRECTION
OF 0.0017"
FROM EACH READING)

PRESSURE: 3970 PSF



NO #A27153
BORING #I-1
SAMPLE #
PART # 8
DEPTH 15.5'
(SUBTRACT A CORRECTION
OF 0.0010"
FROM EACH READING)
PRESSURE: 989 PSF

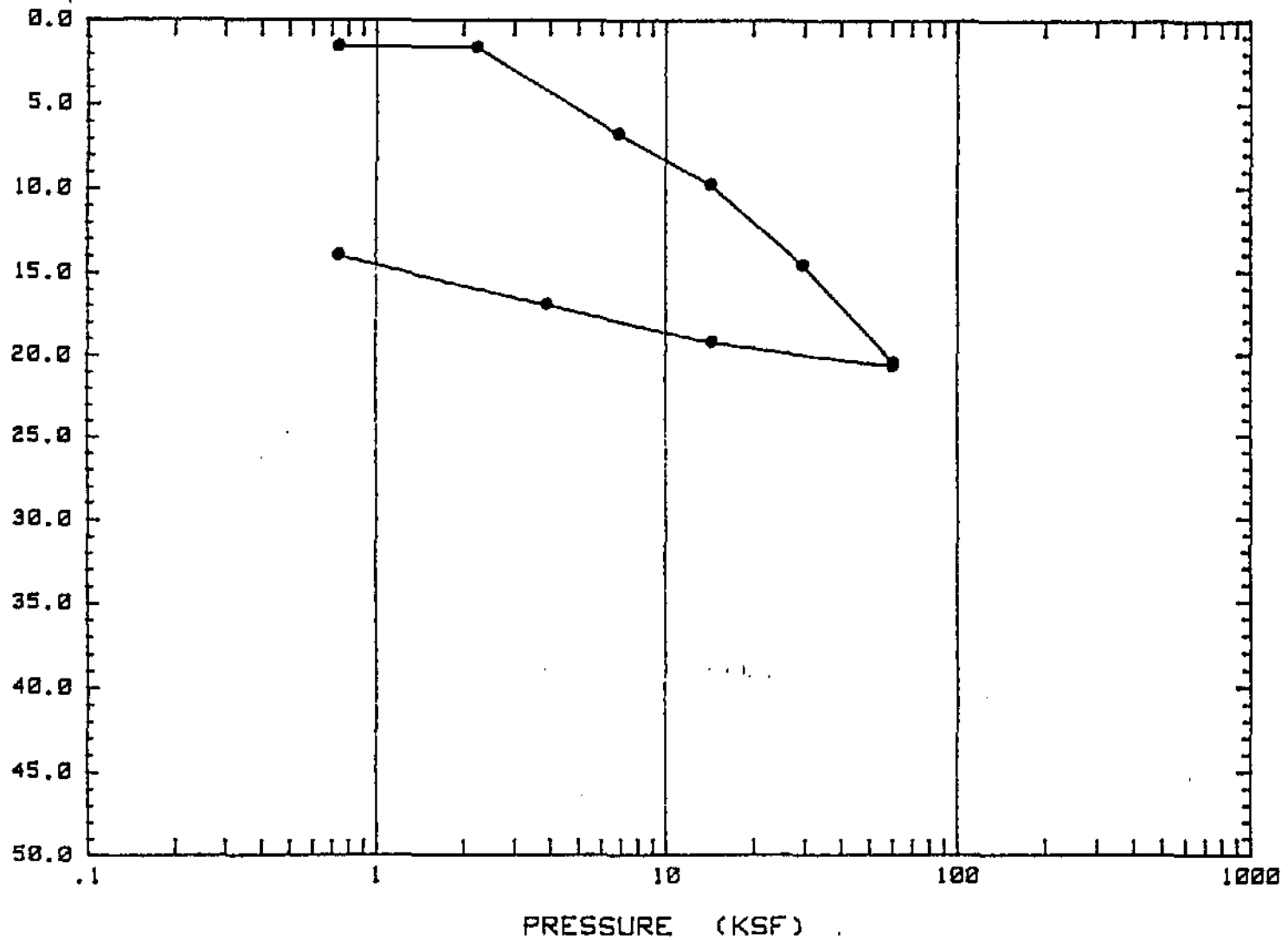
PROJECT : LIBERTY
BORING # I-1
SAMPLE #

CLIENT : DUANE MILLER

DEPTH: 15.5

LABORATORY # C97048

PERCENT COMPRESSION



ALASKA TESTLAB

Compression Curve (%Comp. vs. Log P)

NO # A27153

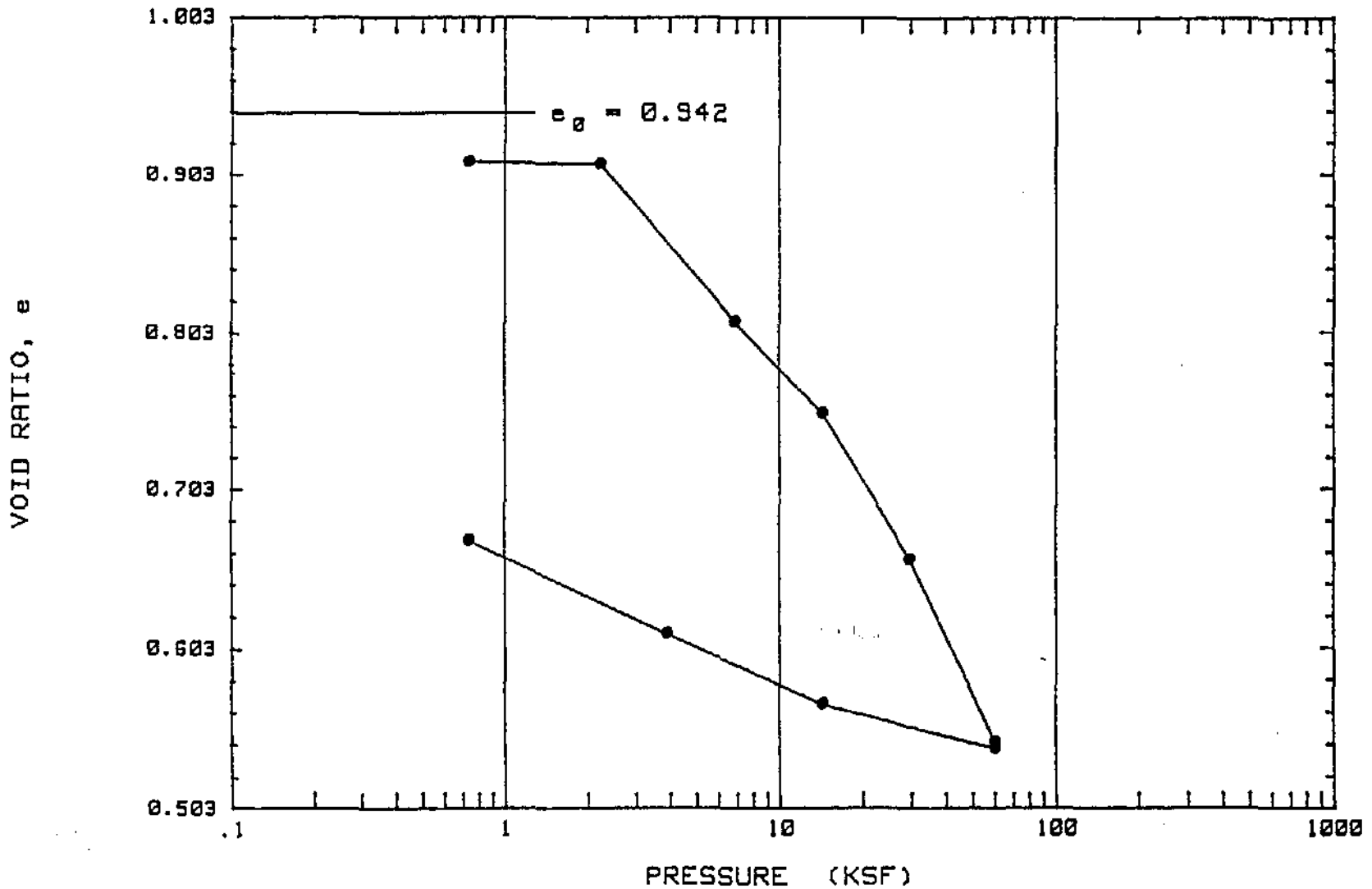
FIGURE

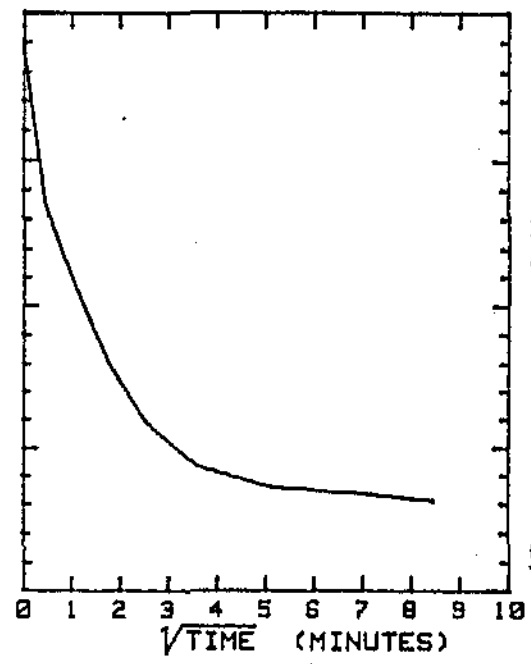
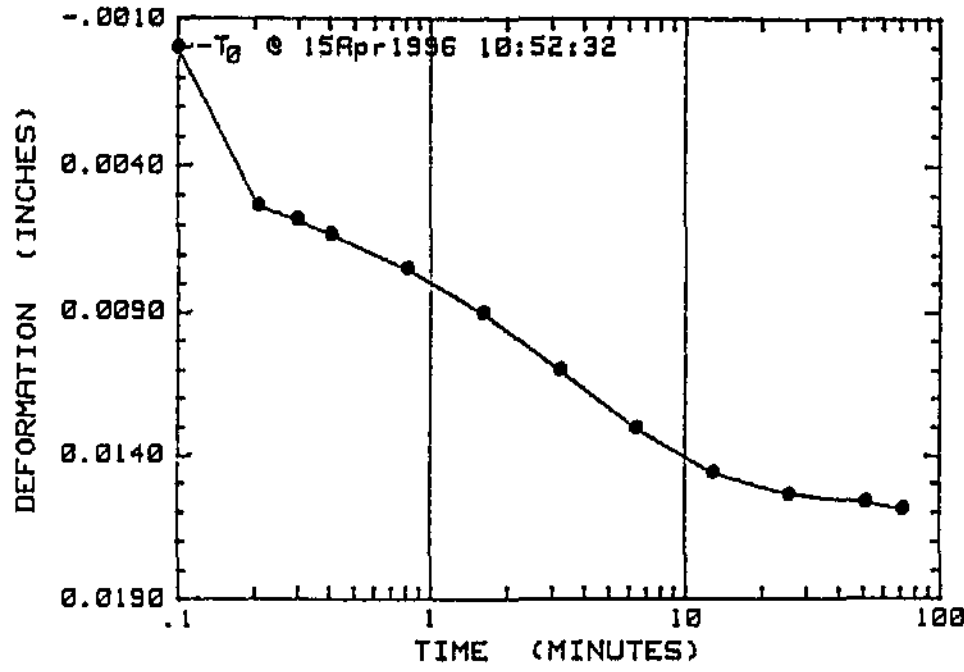
PROJECT : LIBERTY
BORING # I-1
SAMPLE #

CLIENT : DUANE MILLER

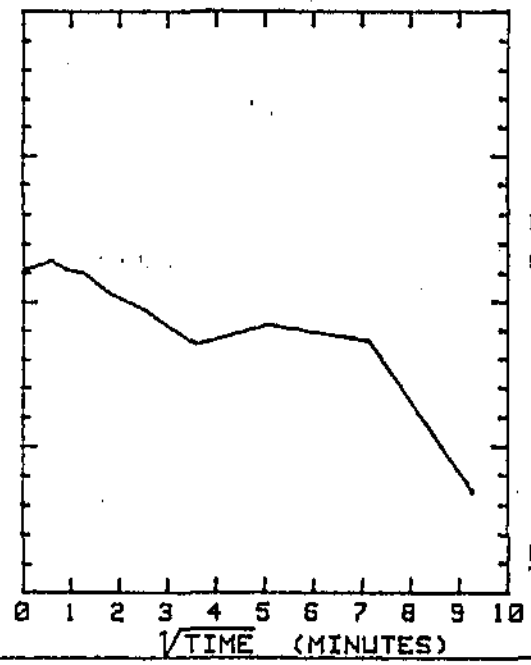
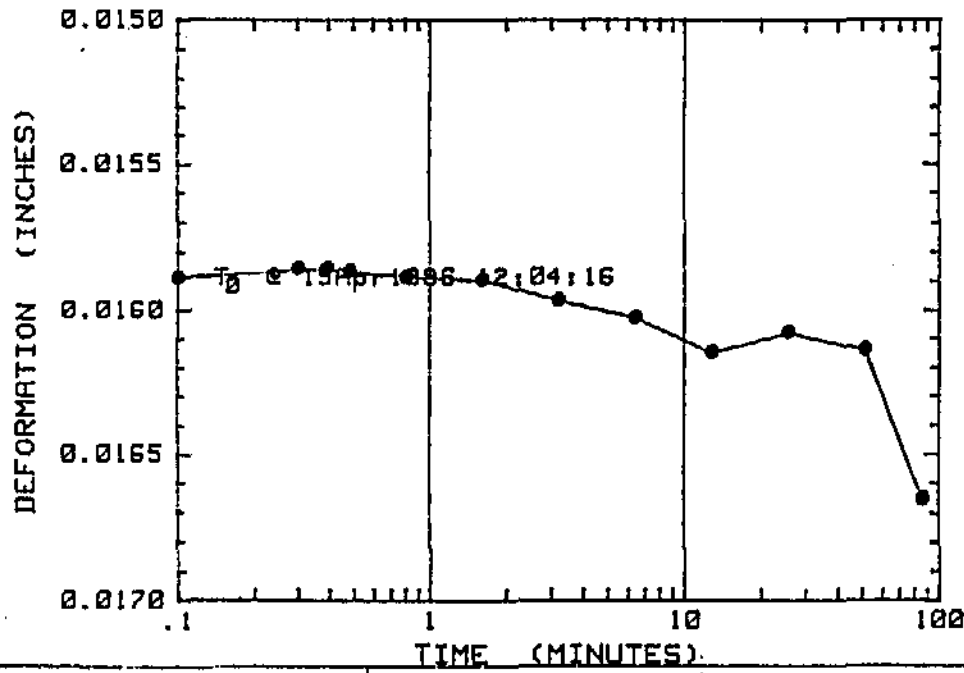
DEPTH: 15.5

LABORATORY # C97048

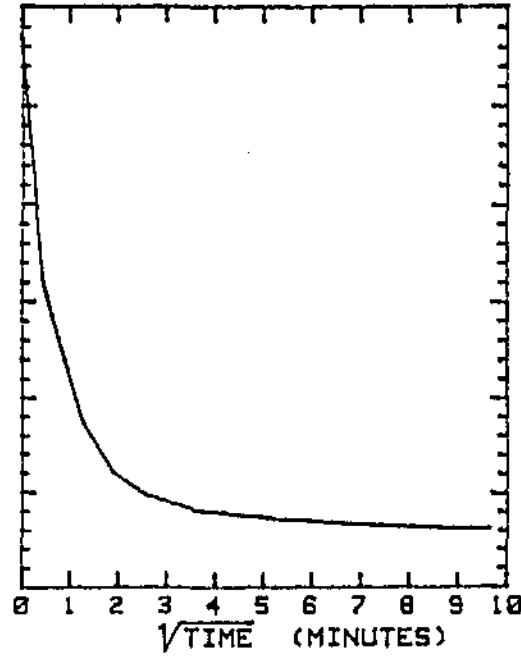
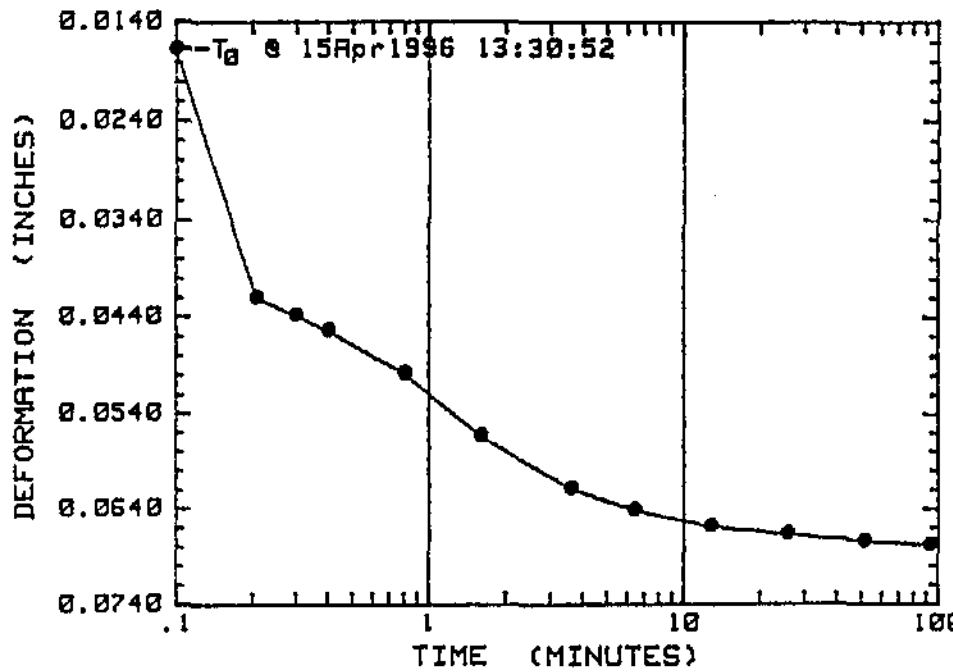




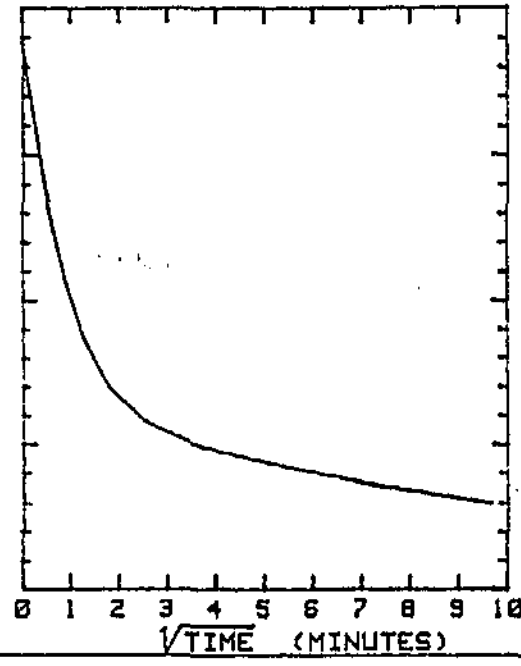
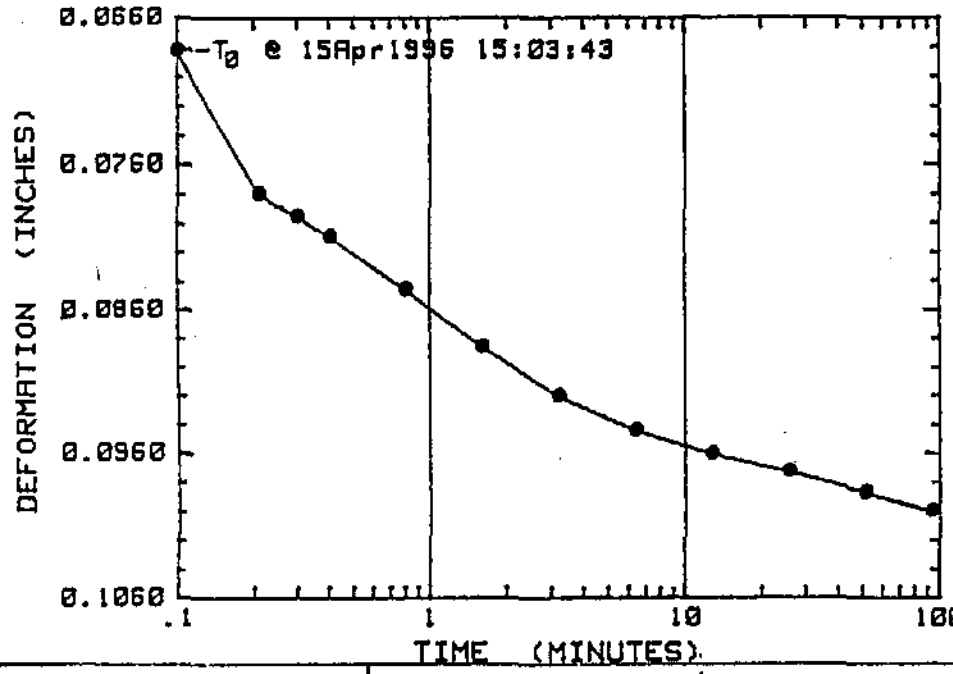
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0004"
 FROM EACH READING)
 PRESSURE: 739 PSF



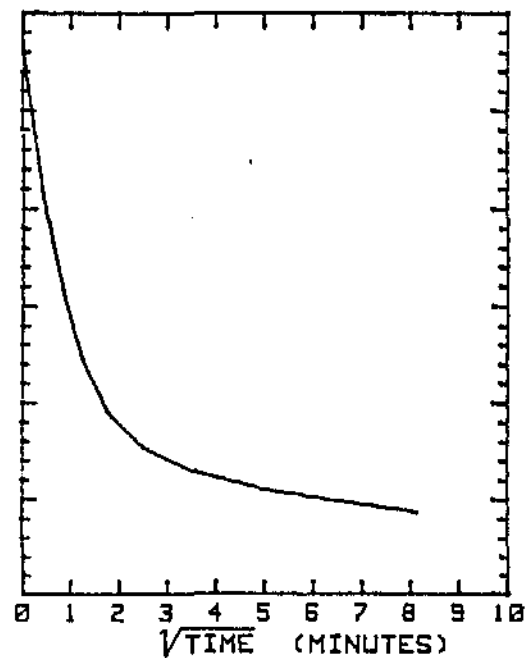
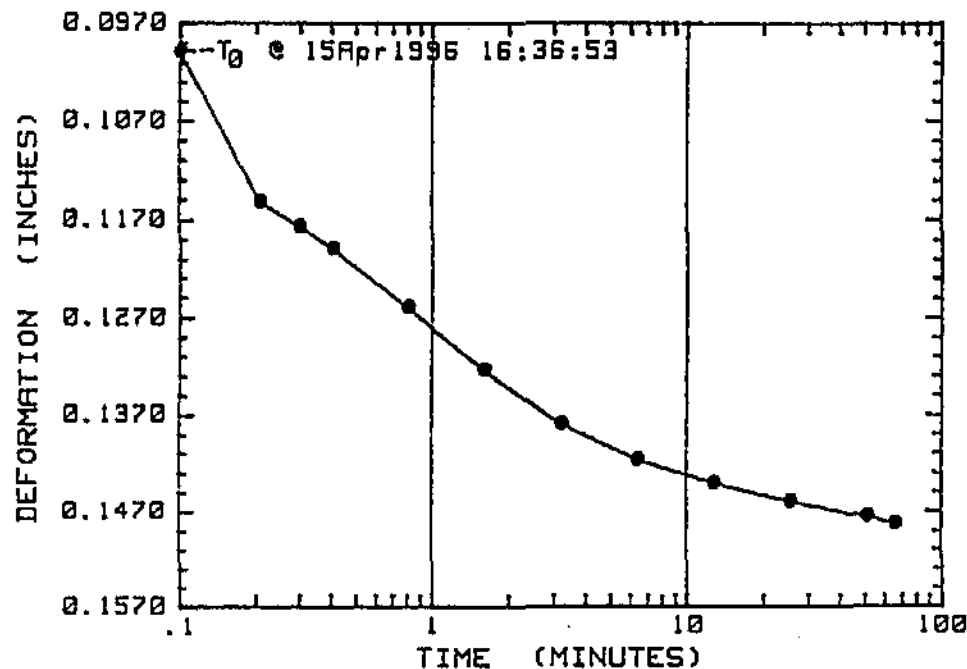
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0027"
 FROM EACH READING)
 PRESSURE: 2230 PSF



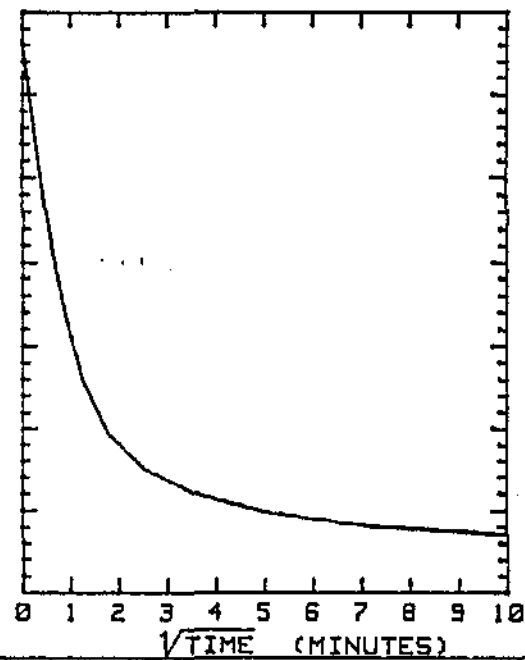
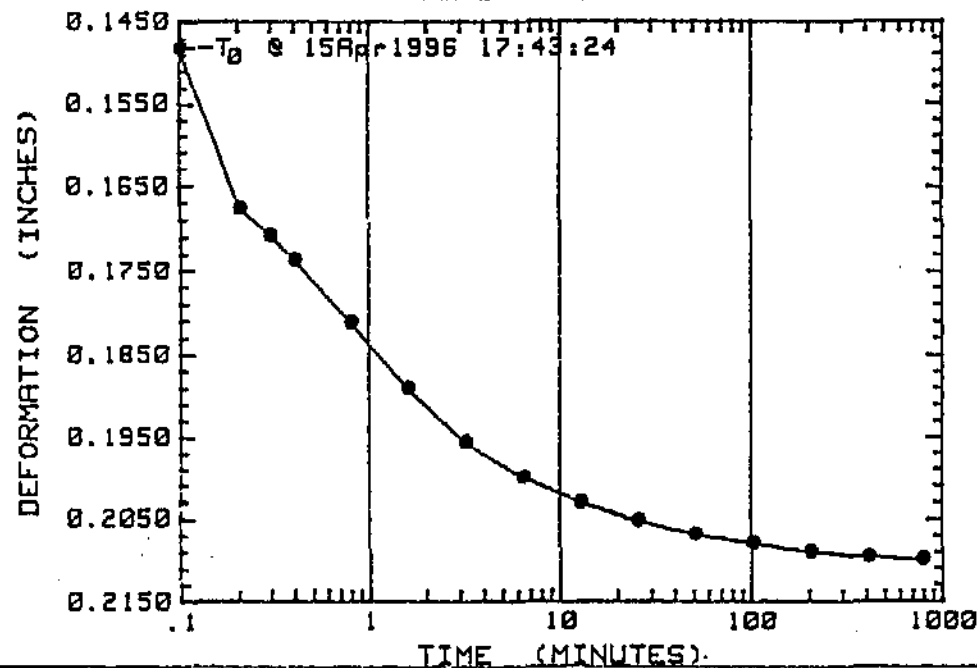
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0018"
 FROM EACH READING)
 PRESSURE: 6840 PSF



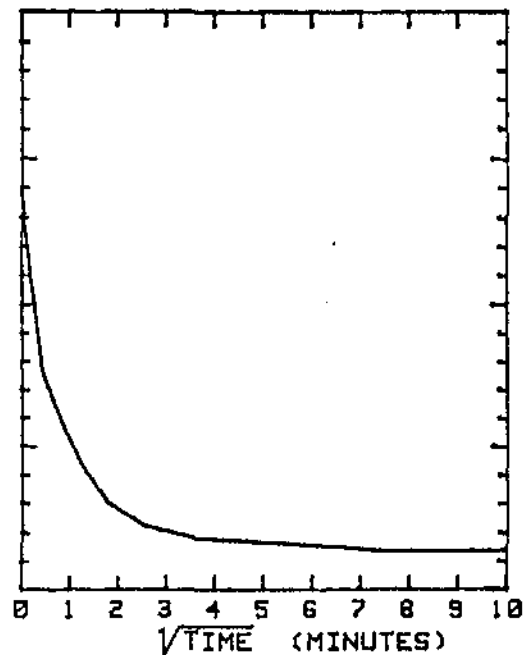
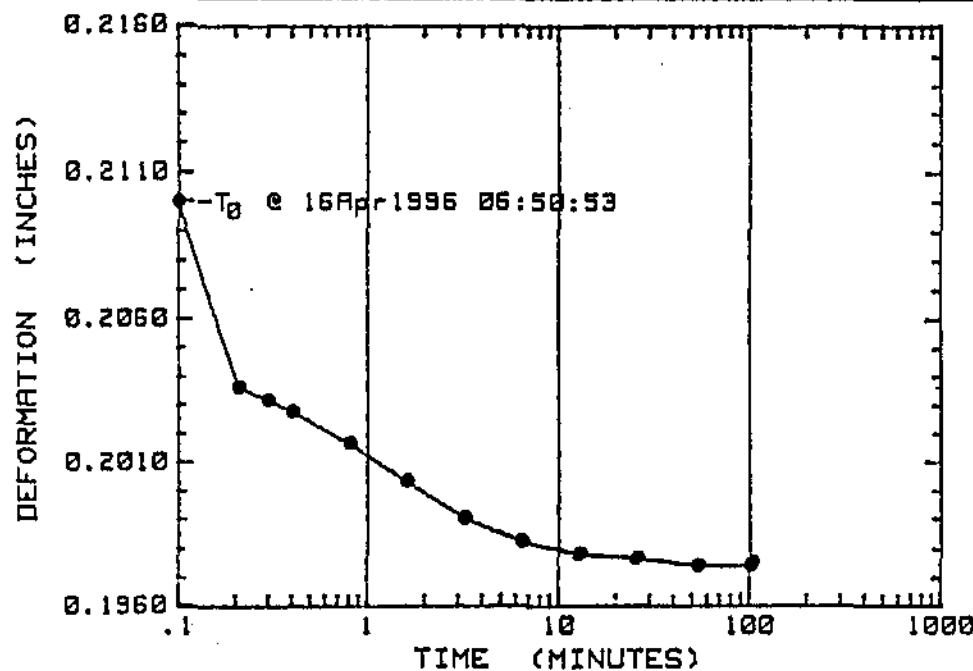
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0027"
 FROM EACH READING)
 PRESSURE: 14300 PSF



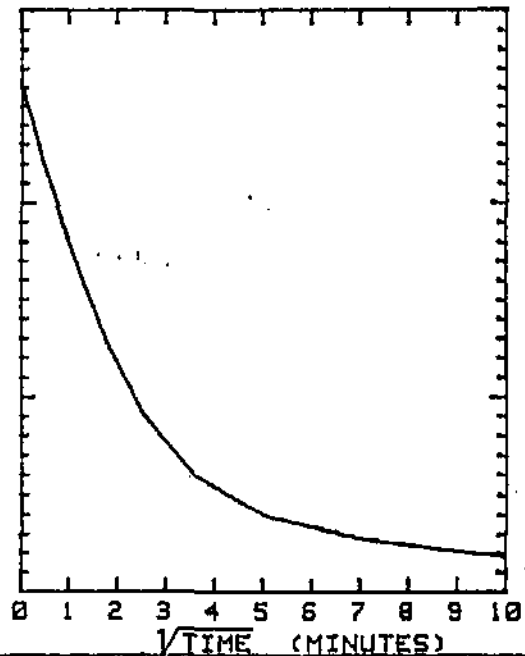
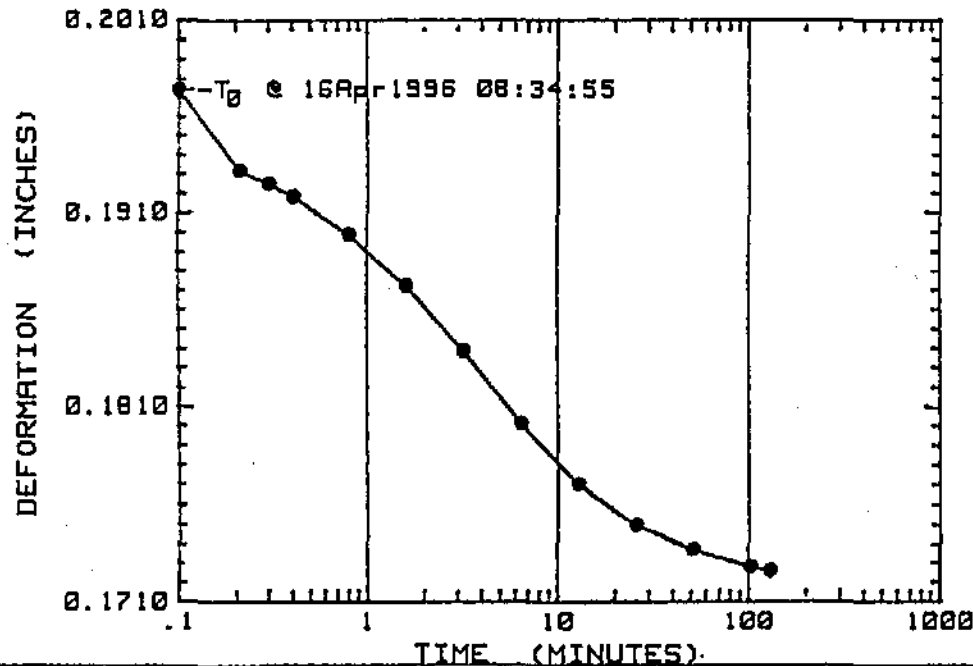
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0037"
 FROM EACH READING)
 PRESSURE: 29500 PSF



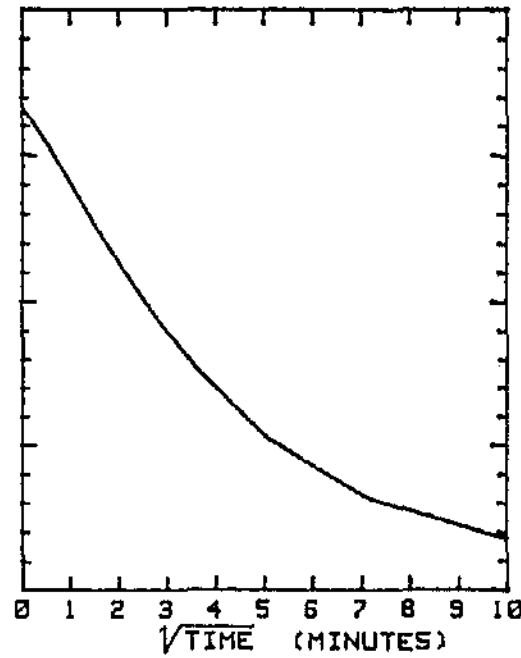
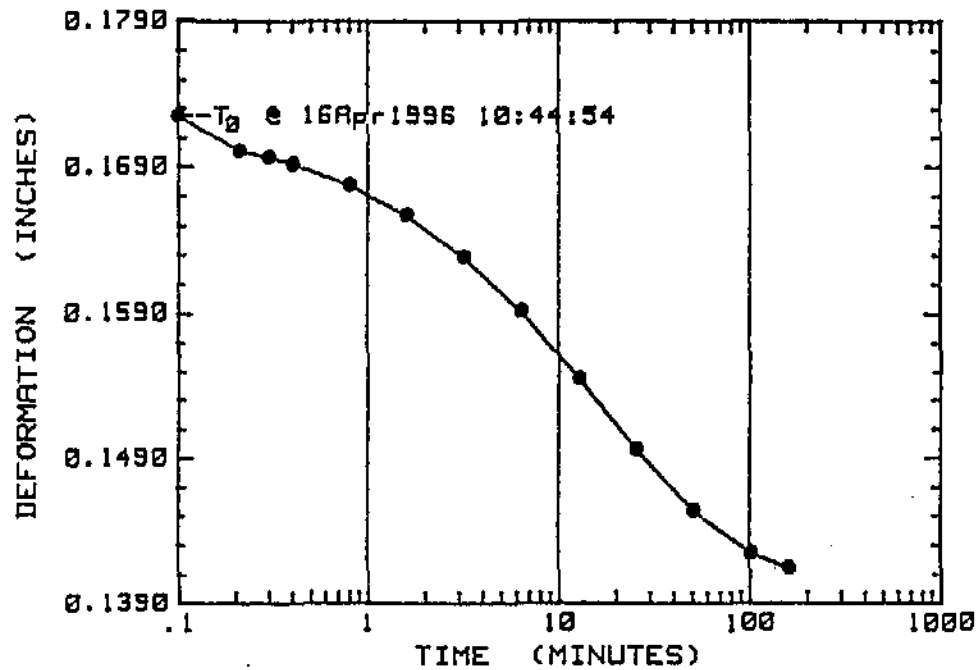
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0053"
 FROM EACH READING)
 PRESSURE: 60200 PSF



NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 8
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0032"
 FROM EACH READING)
 PRESSURE: 14300 PSF



NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 8
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0019"
 FROM EACH READING)
 PRESSURE: 3000 PSF



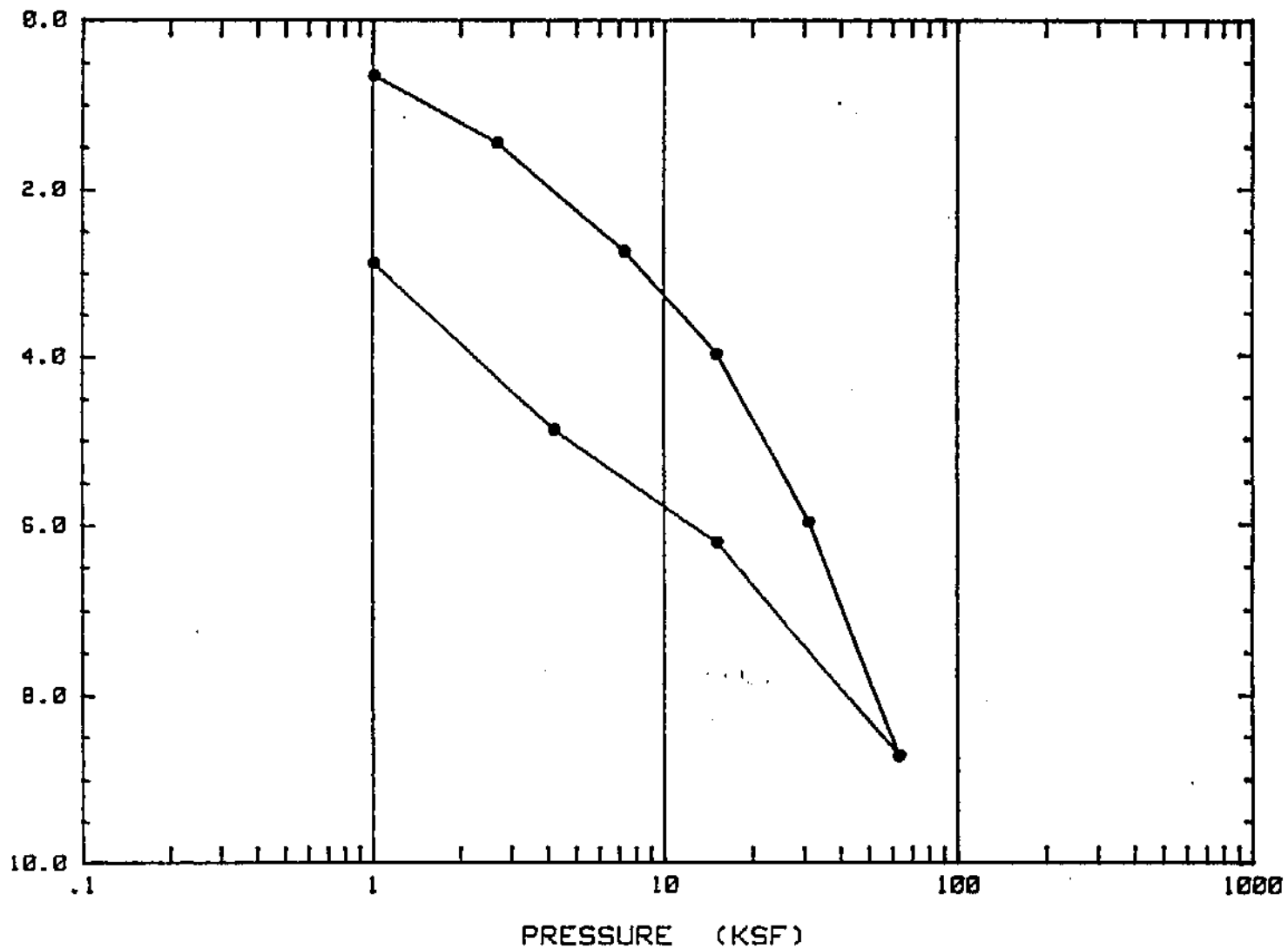
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH : 15.5
 (SUBTRACT A CORRECTION
 OF 0.0010"
 FROM EACH READING)
 PRESSURE: 739 PSF

PROJECT : LIBERTY
BORING # I-2
SAMPLE #

CLIENT : DUANE MILLER
LABORATORY # C97049

DEPTH: 9.7

PERCENT COMPRESSION



ALASKA TESTLAB

Compression Curve (%Comp. vs. Log P)

NO # R27153

FIGURE

PROJECT : LIBERTY

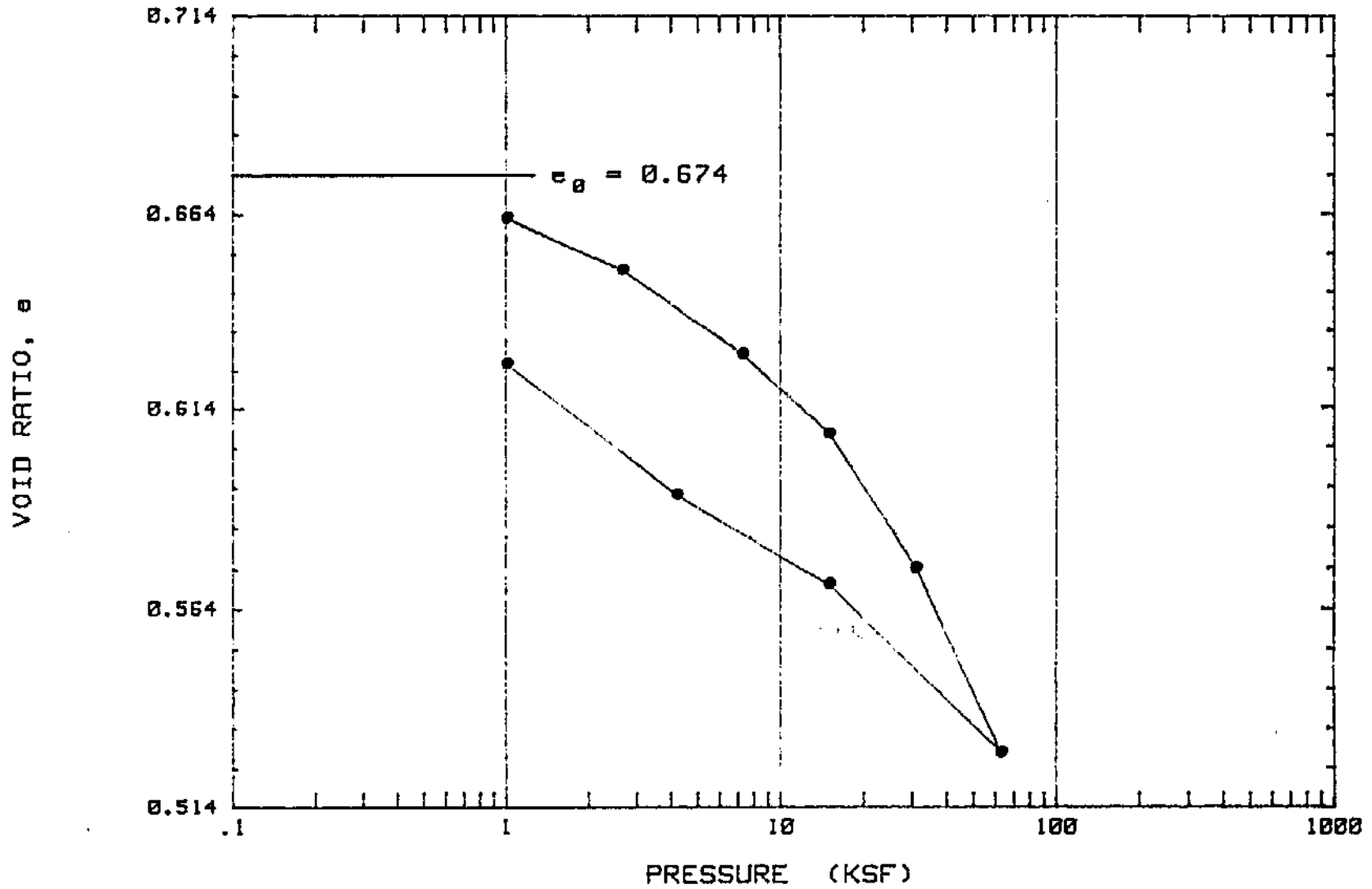
CLIENT : DURNE MILLER

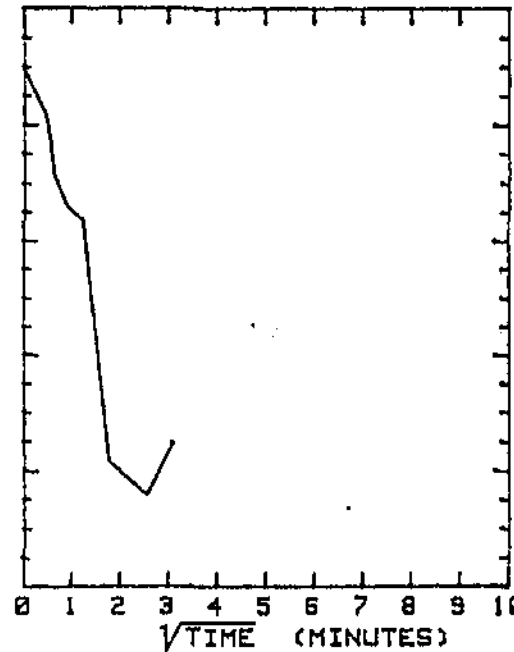
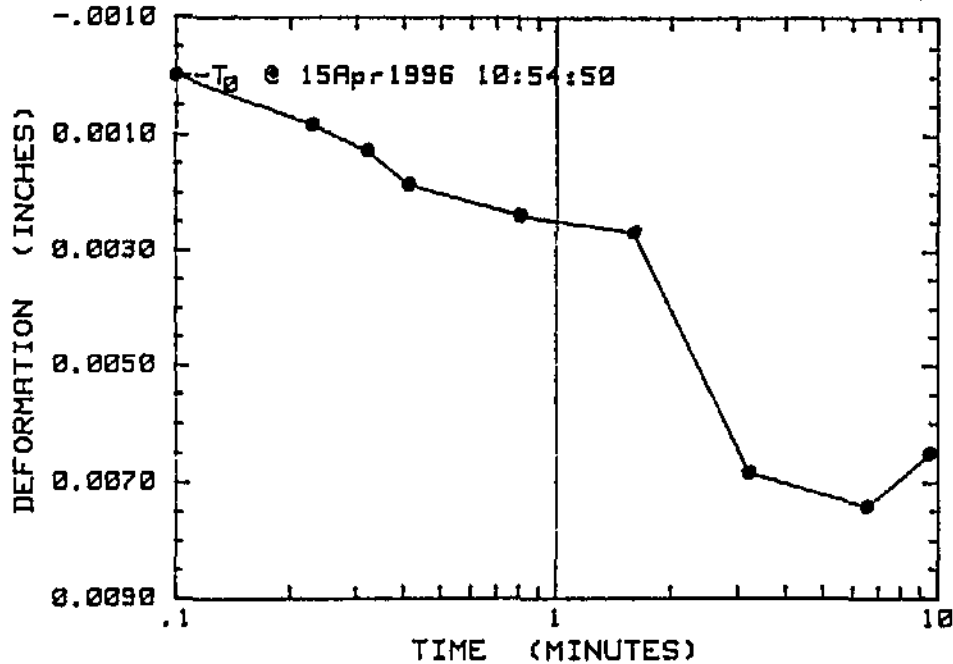
BORING # I-2

DEPTH: 9.7

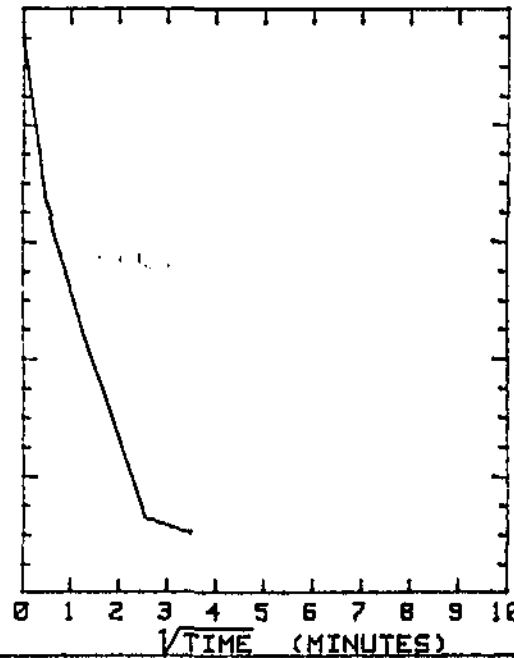
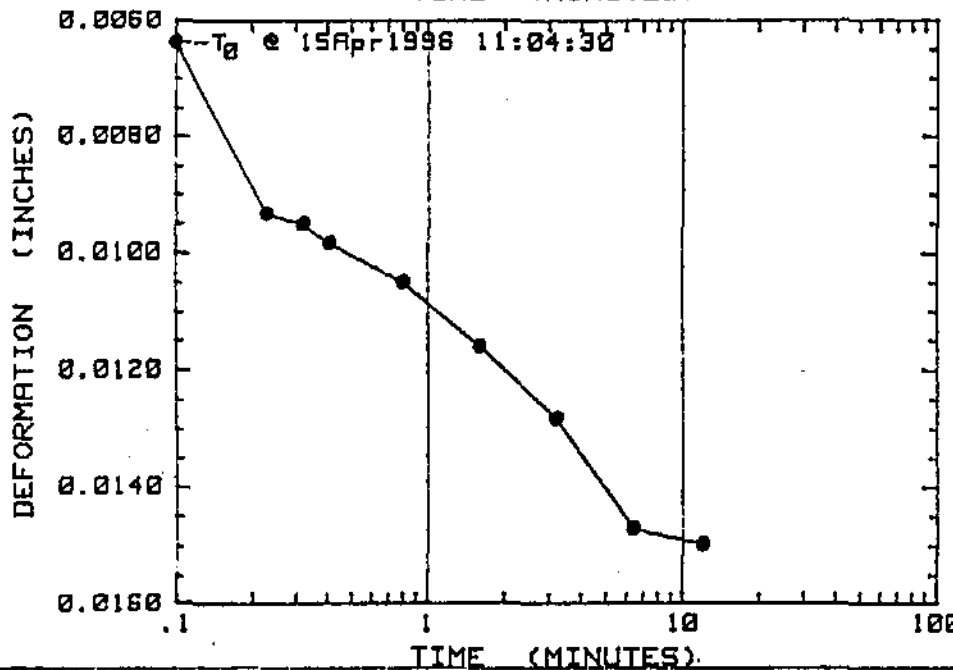
SAMPLE #

LABORATORY # C97049

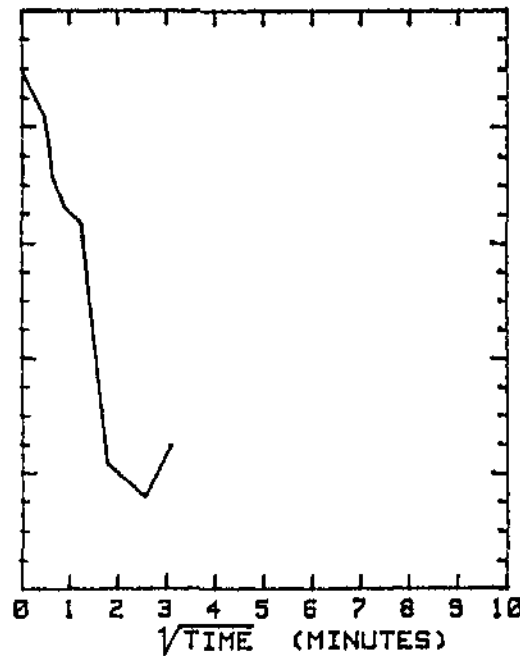
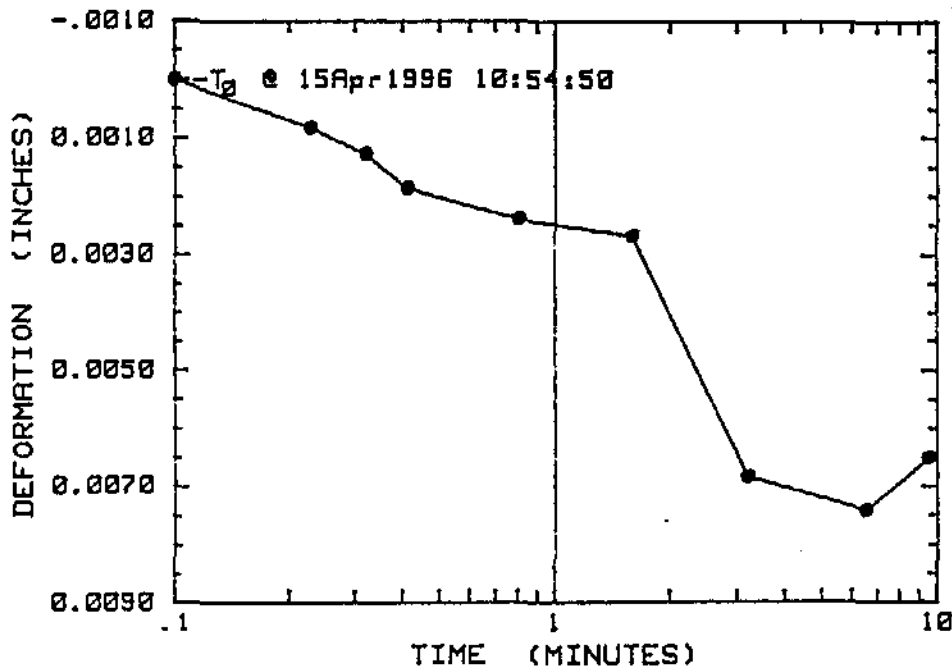




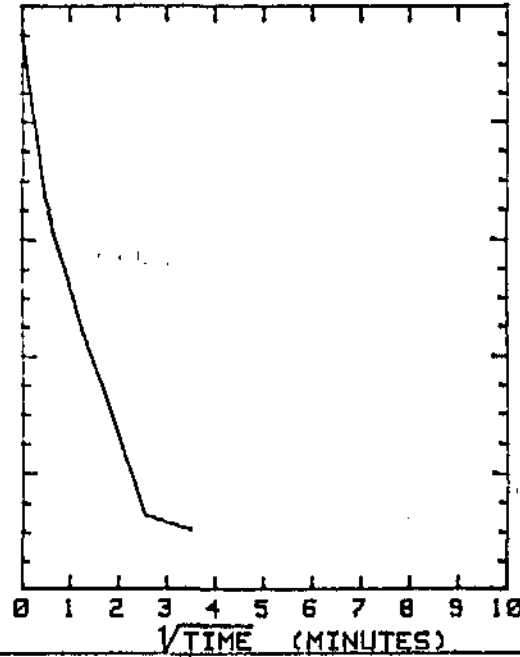
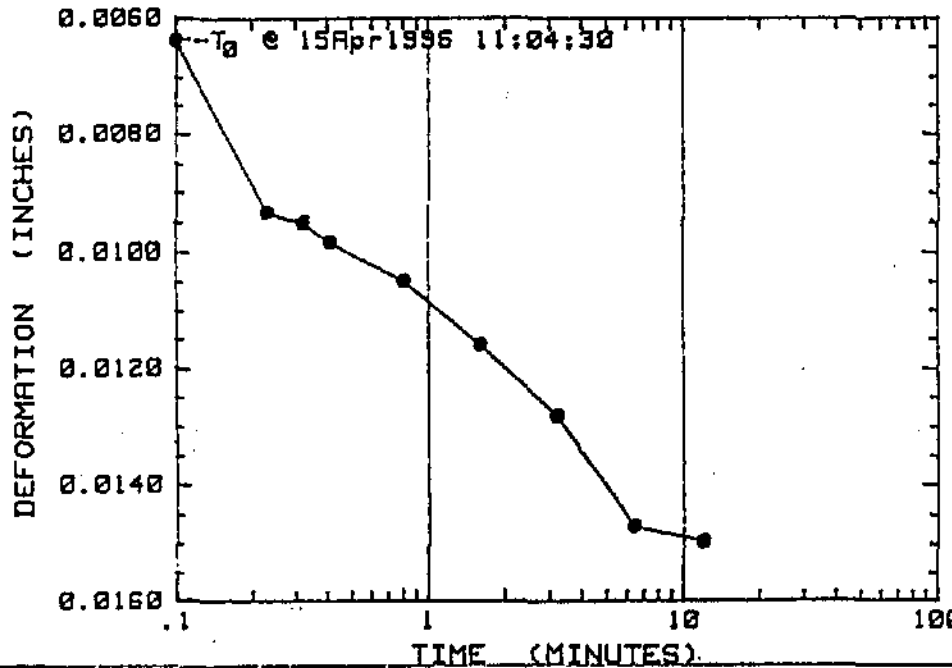
NO #A27153
 BORING #I-2
 SAMPLE #
 PART # 0
 DEPTH 19.7
 (SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)
 PRESSURE: 1010 PSF



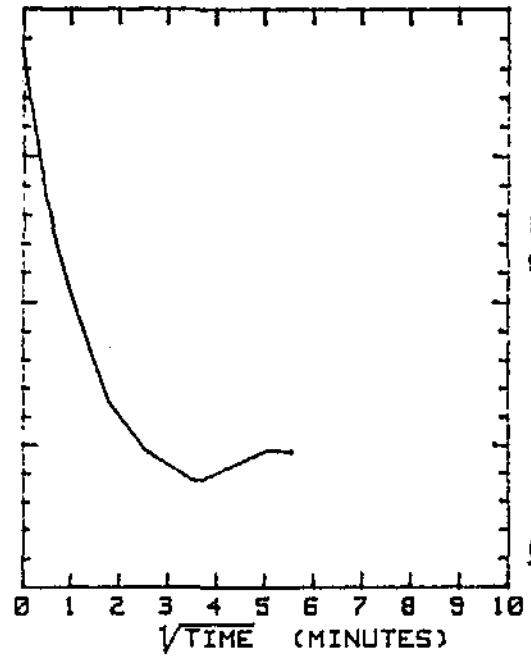
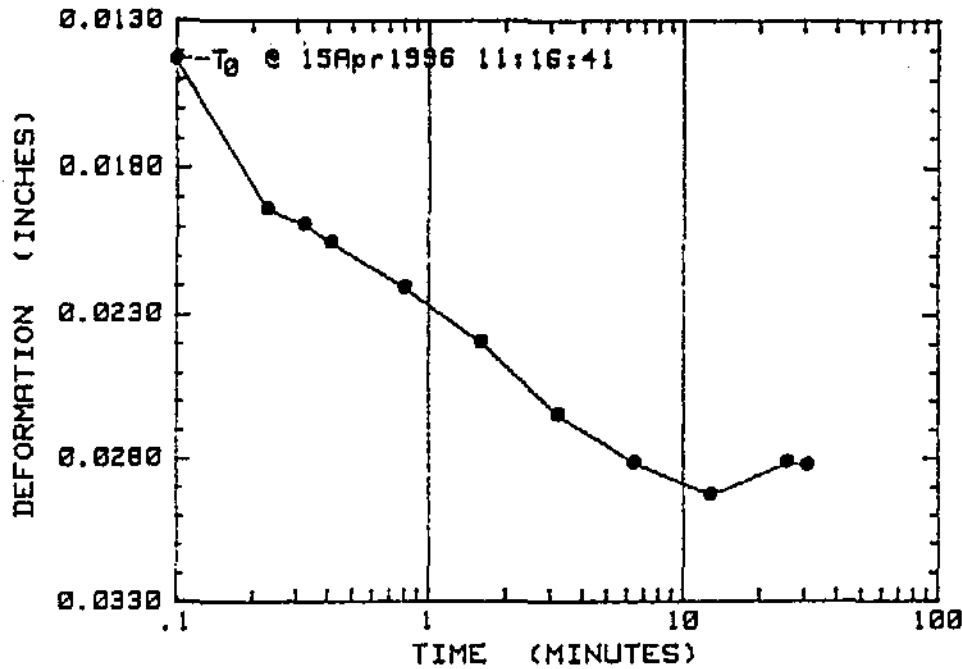
NO #A27153
 BORING #I-2
 SAMPLE #
 PART # 0
 DEPTH 19.7
 (SUBTRACT A CORRECTION
 OF 0.0009"
 FROM EACH READING)
 PRESSURE: 2580 PSF



NO #A27153
 BORING #1-2
 SAMPLE #
 PART # 8
 DEPTH :9.7
 (SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)
 PRESSURE: 1818 PSF



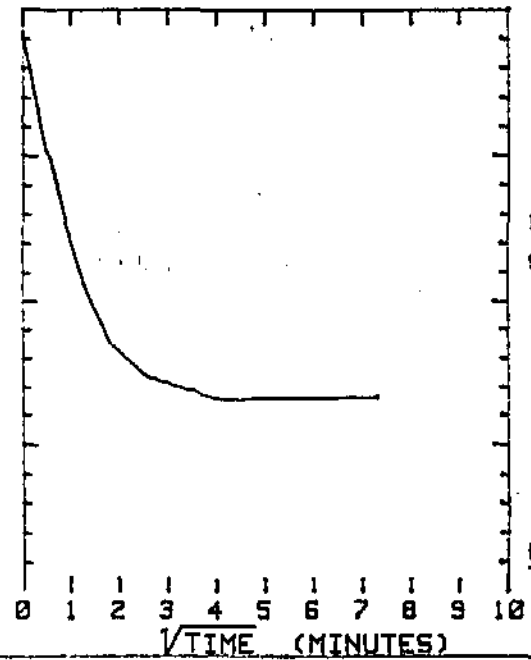
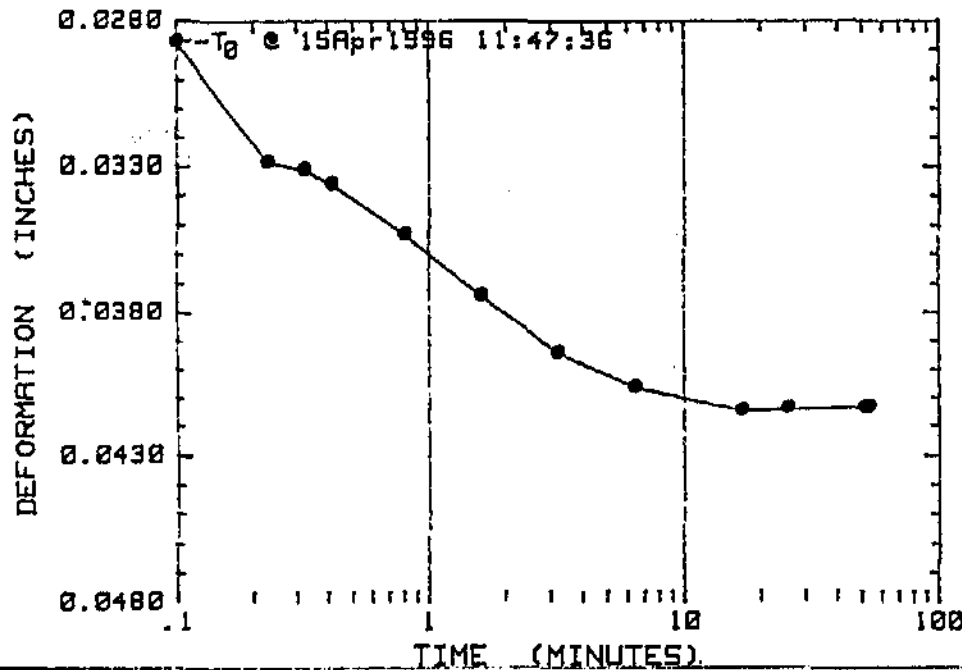
NO #A27153
 BORING #1-2
 SAMPLE #
 PART # 8
 DEPTH :9.7
 (SUBTRACT A CORRECTION
 OF 0.0009"
 FROM EACH READING)
 PRESSURE: 2688 PSF



NO #A27153
 BORING #I-2
 SAMPLE #
 PART # 8
 DEPTH : 9.7

(SUBTRACT A CORRECTION
 OF 0.0016"
 FROM EACH READING)

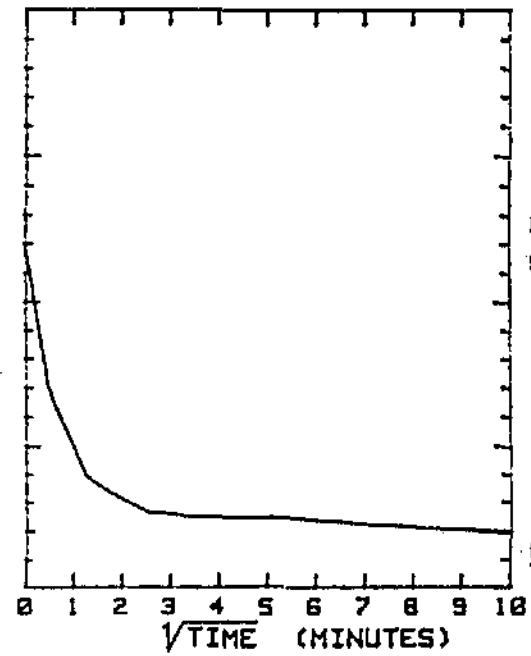
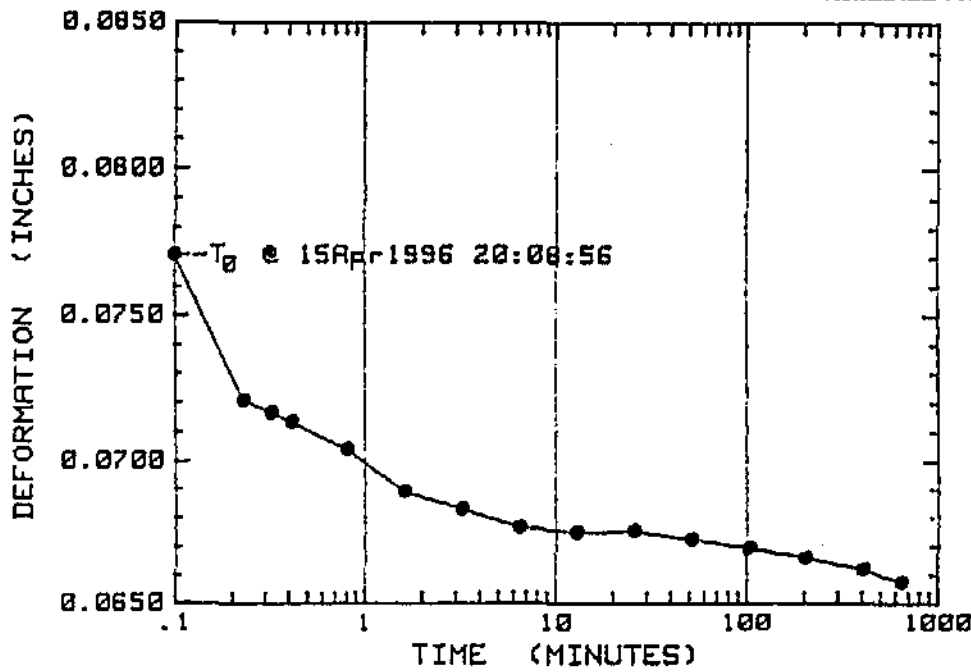
PRESSURE: 7320 PSF



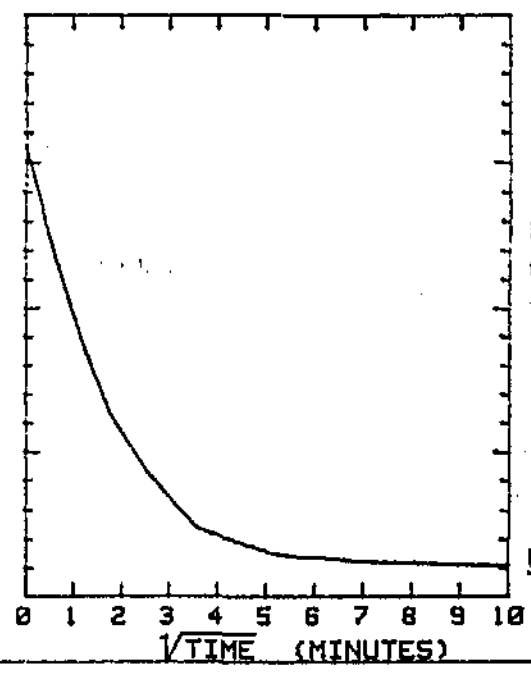
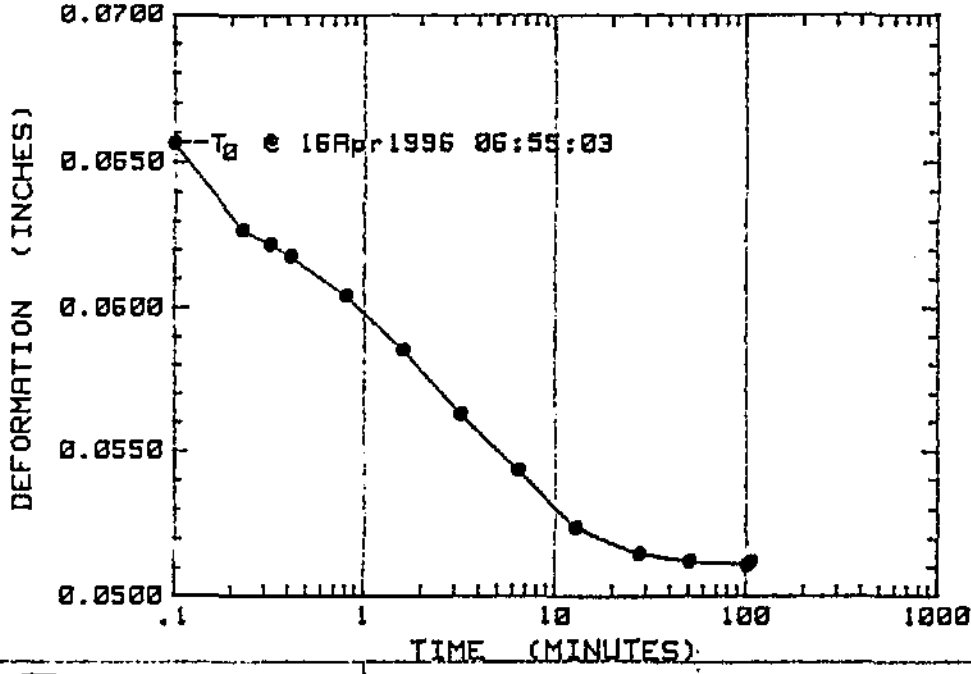
NO #A27153
 BORING #I-2
 SAMPLE #
 PART # 8
 DEPTH : 9.7

(SUBTRACT A CORRECTION
 OF 0.0022"
 FROM EACH READING)

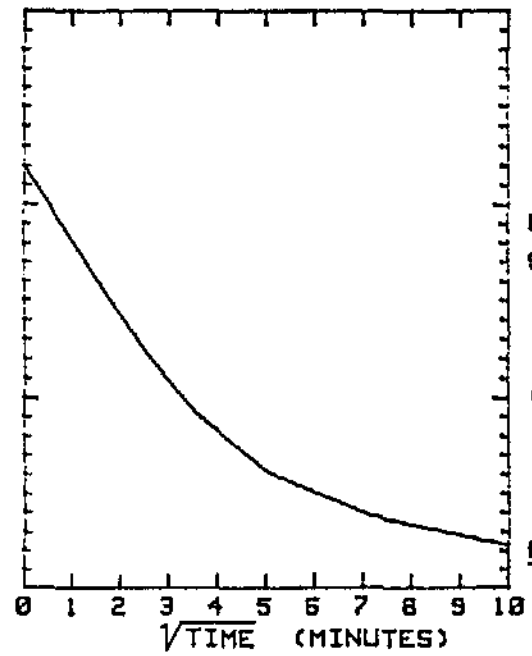
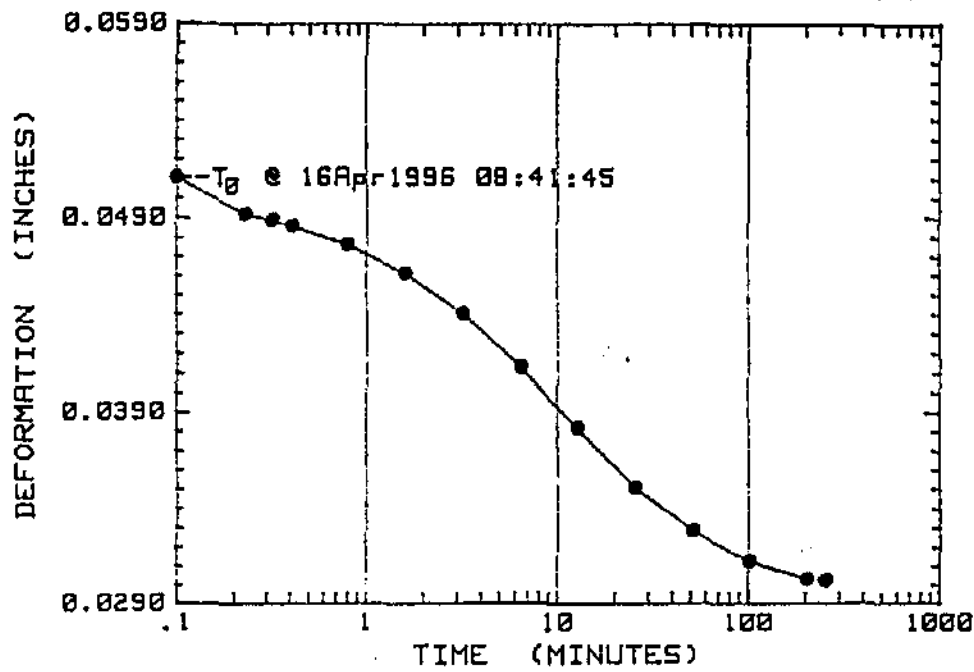
PRESSURE: 15100 PSF



NO #A27153
BORING #I-2
SAMPLE #
PART # 8
DEPTH :9.7
(SUBTRACT A CORRECTION
OF 0.0024"
FROM EACH READING)
PRESSURE: 15100 PSF



NO #A27153
BORING #I-2
SAMPLE #
PART # 8
DEPTH :9.7
(SUBTRACT A CORRECTION
OF 0.0014"
FROM EACH READING)
PRESSURE: 4210 PSF



NO #A27153
 BORING #I-2
 SAMPLE #
 PART # 0
 DEPTH 19.7
 (SUBTRACT A CORRECTION
 OF 0.0008"
 FROM EACH READING)
 PRESSURE: 1010 PSF

PROJECT : LIBERTY

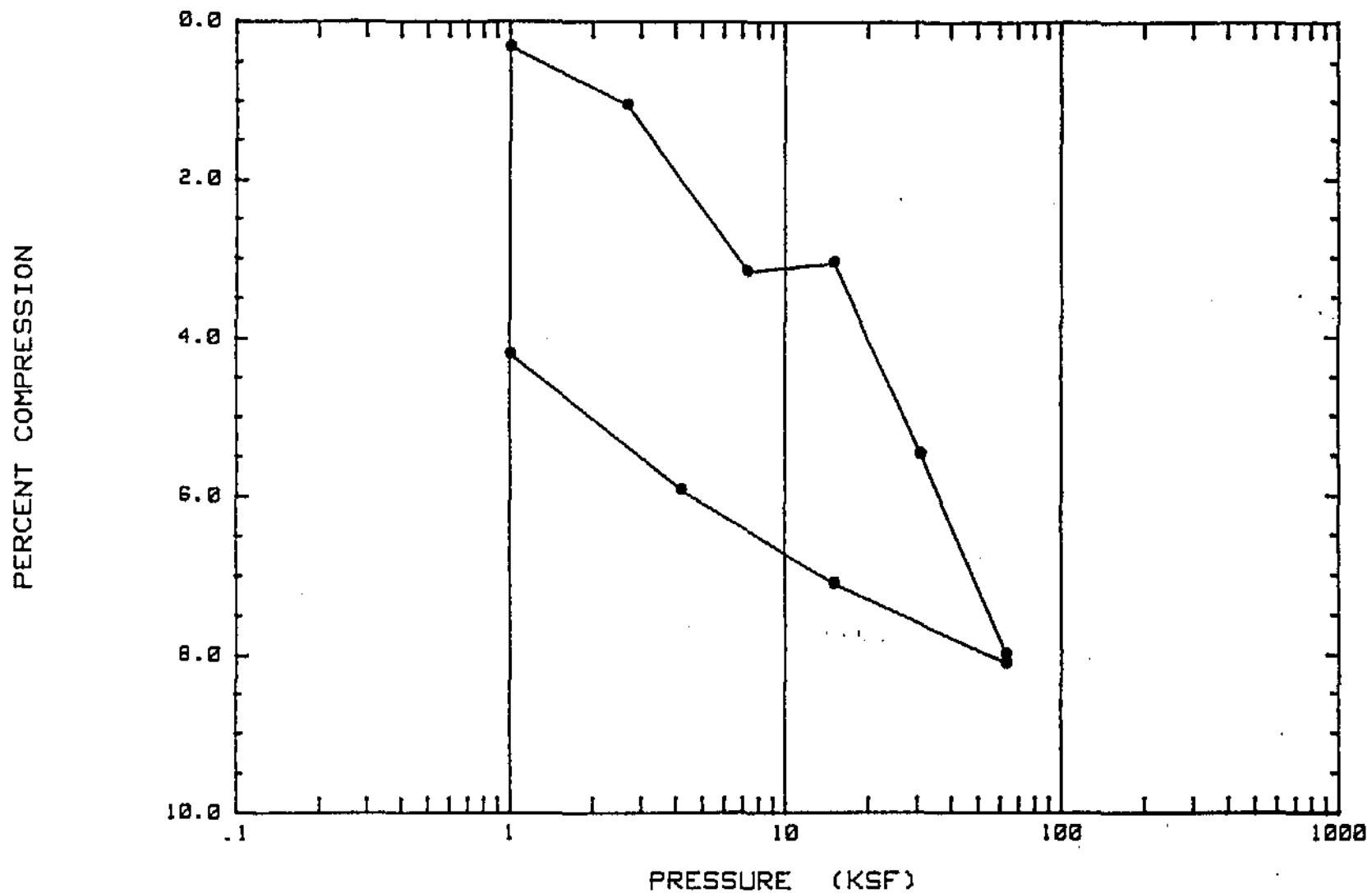
CLIENT : DUANE MILLER

BORING # I-3

DEPTH: 2.5'

SAMPLE #

LABORATORY # CS7052



PROJECT : LIBERTY

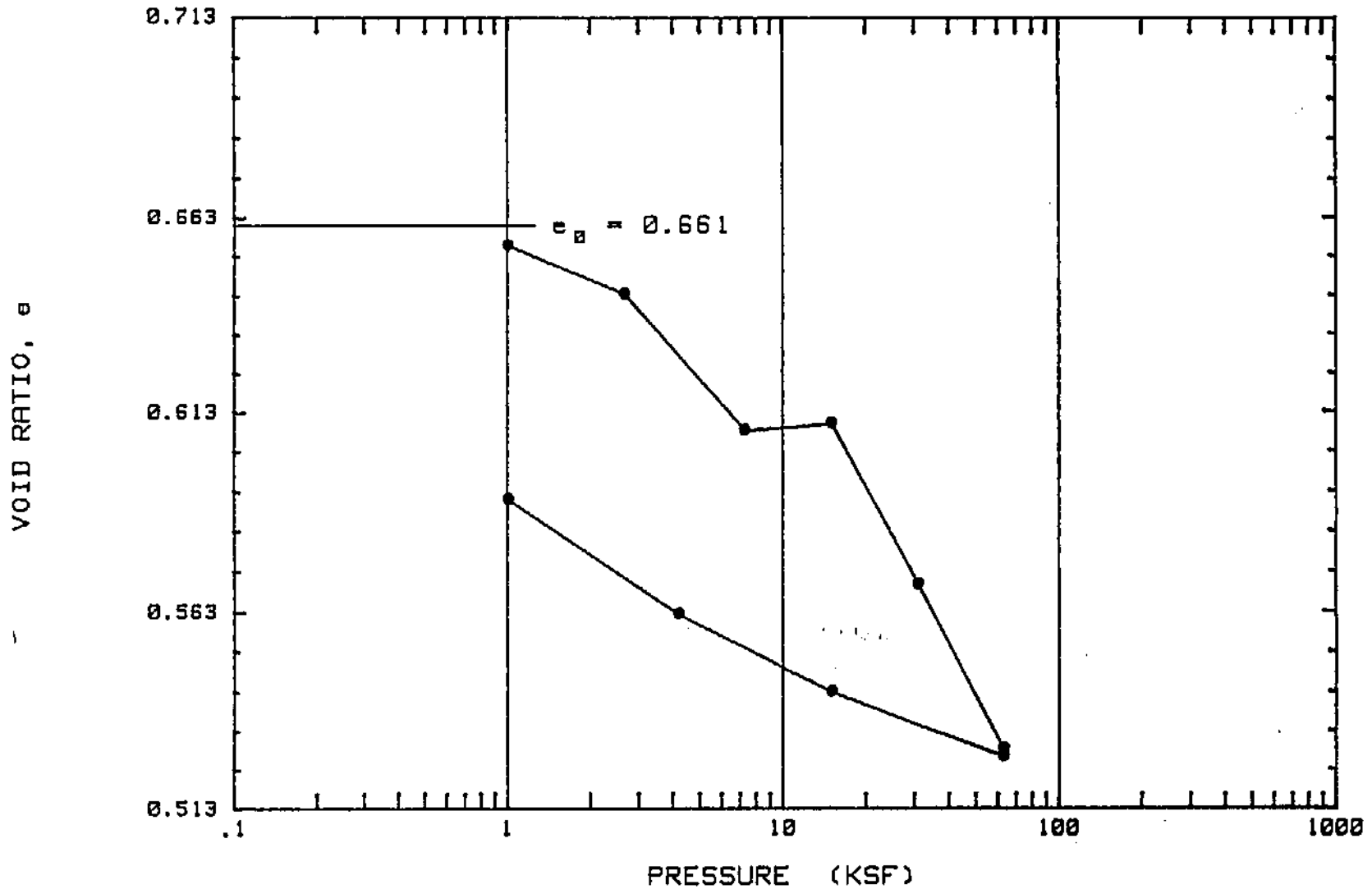
CLIENT : DUANE MILLER

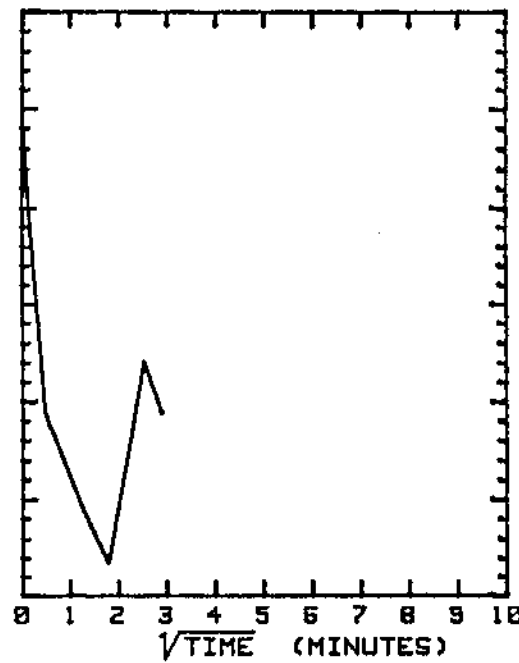
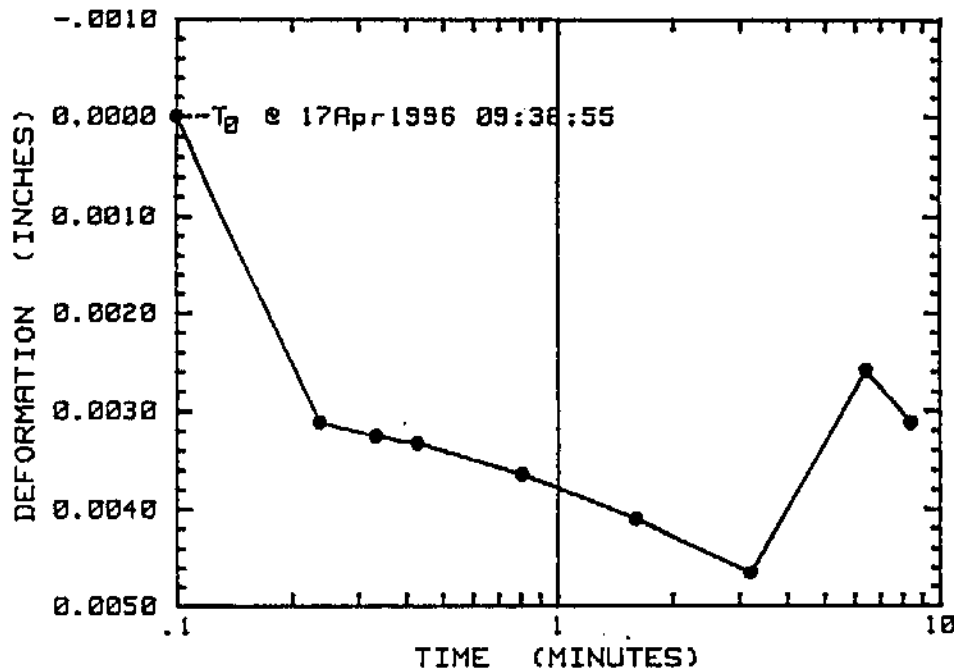
BORING * I-3

DEPTH: 2.5'

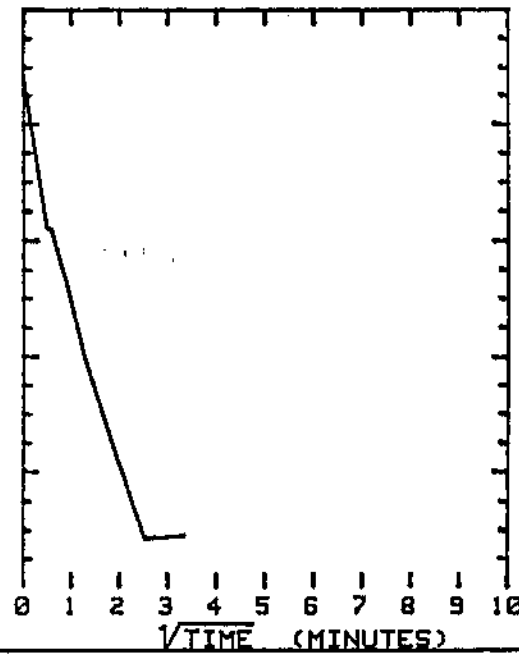
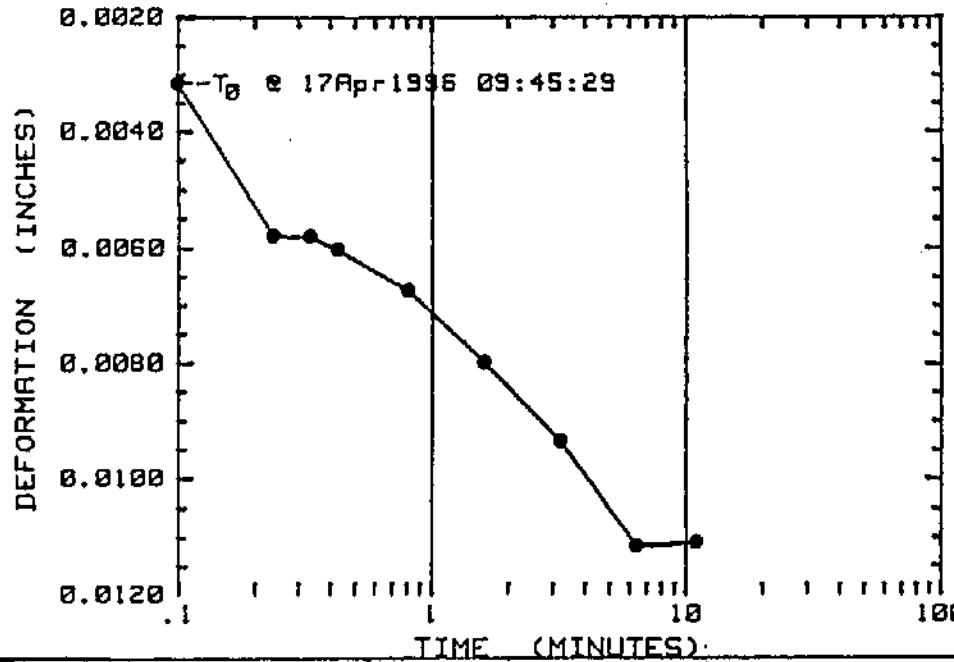
SAMPLE *

LABORATORY * CS7052

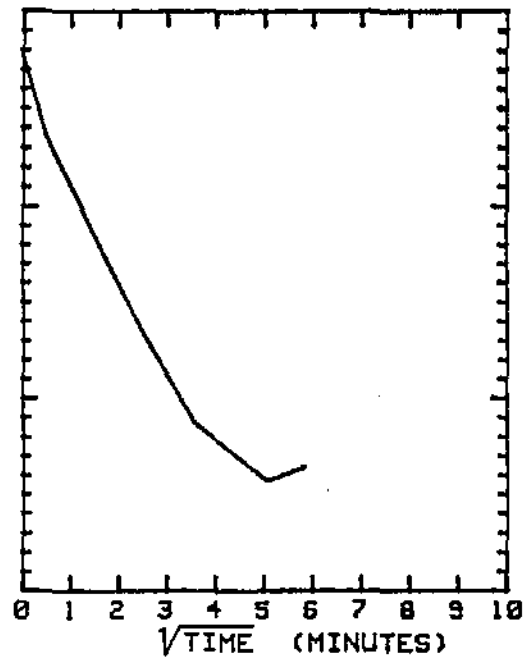
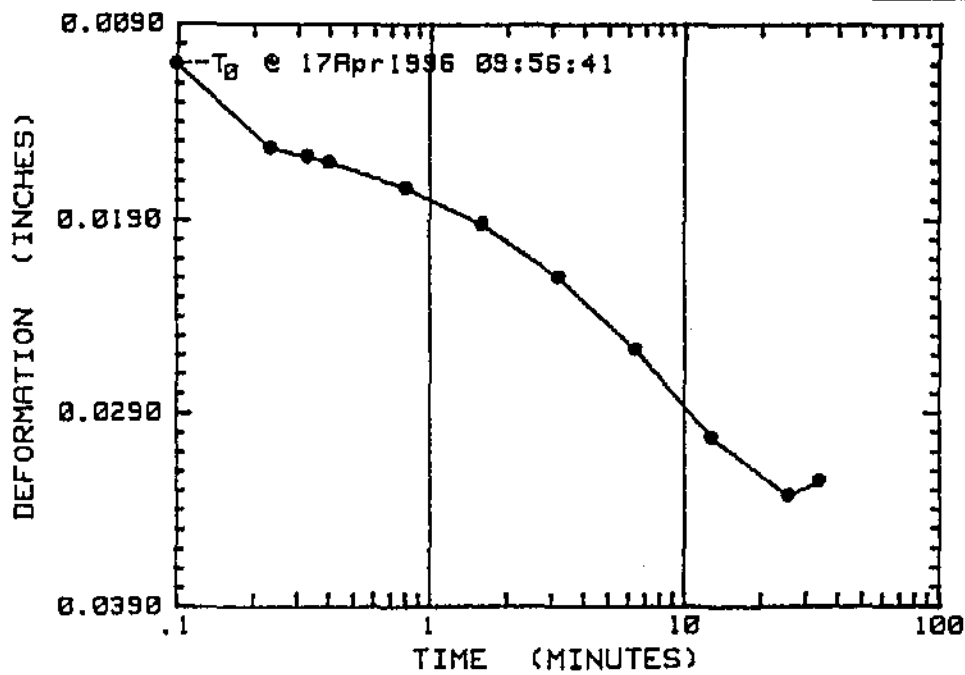




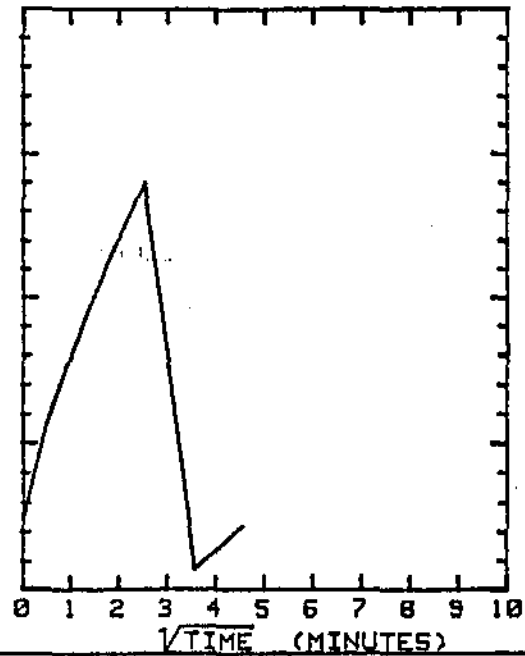
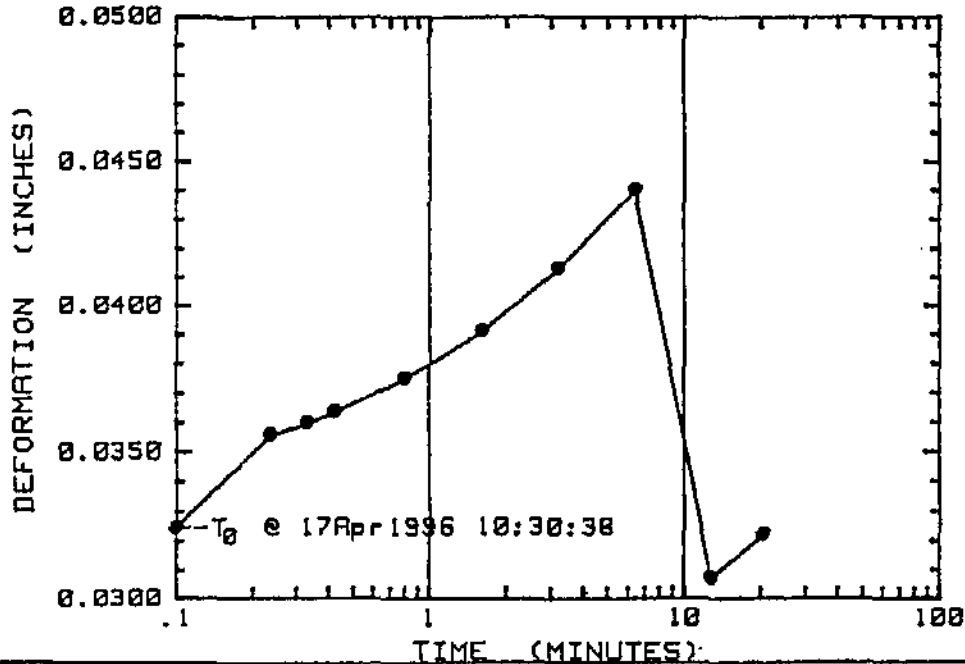
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 0
 DEPTH :2.5'
 (SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)
 PRESSURE: 1010 PSF



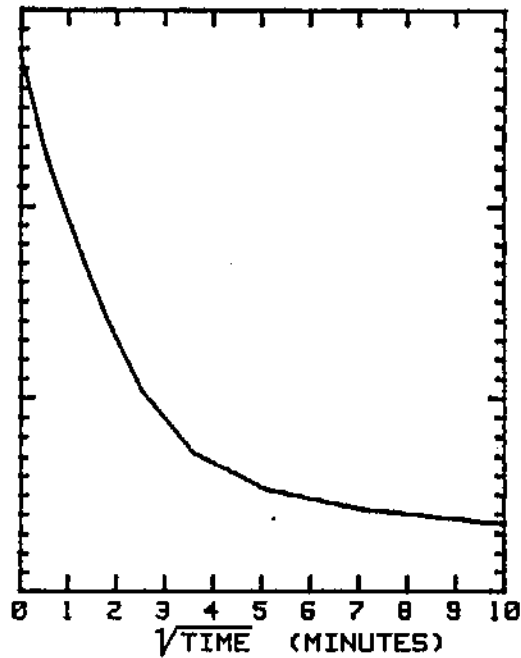
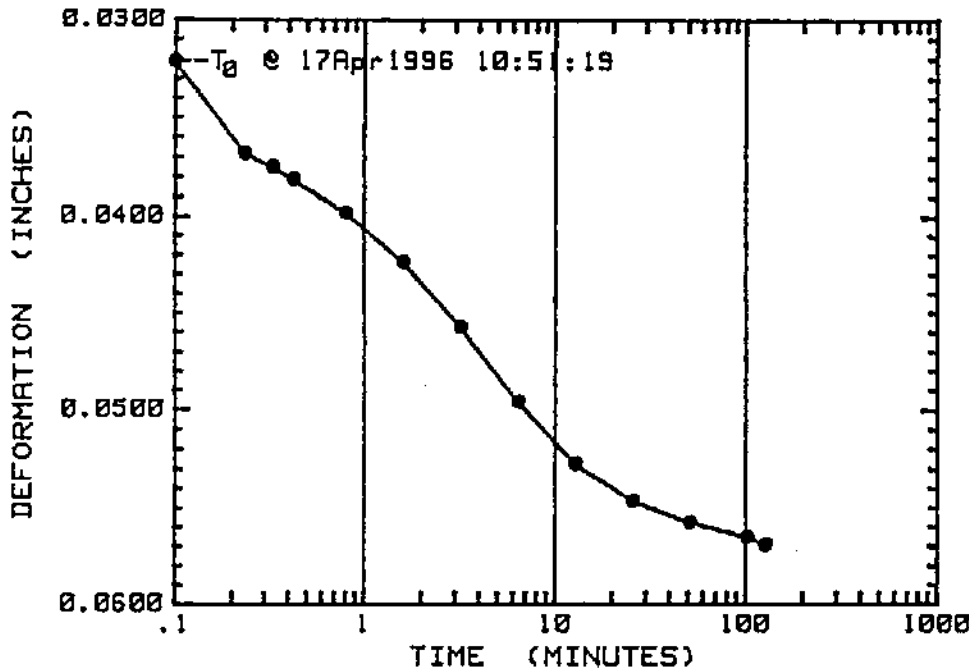
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 0
 DEPTH :2.5'
 (SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)
 PRESSURE: 2600 PSF



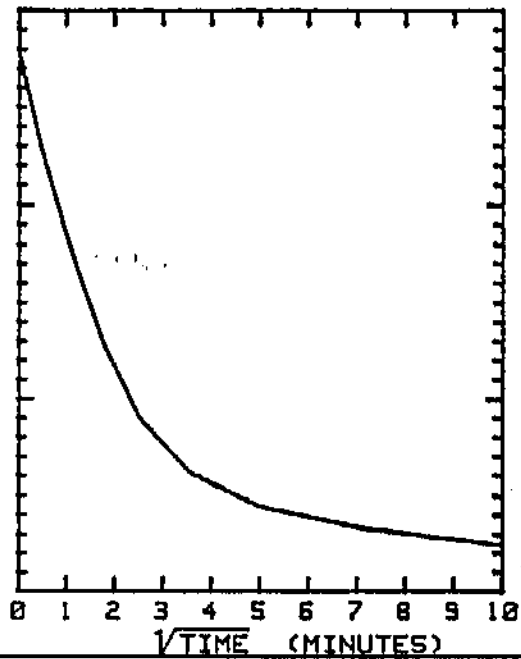
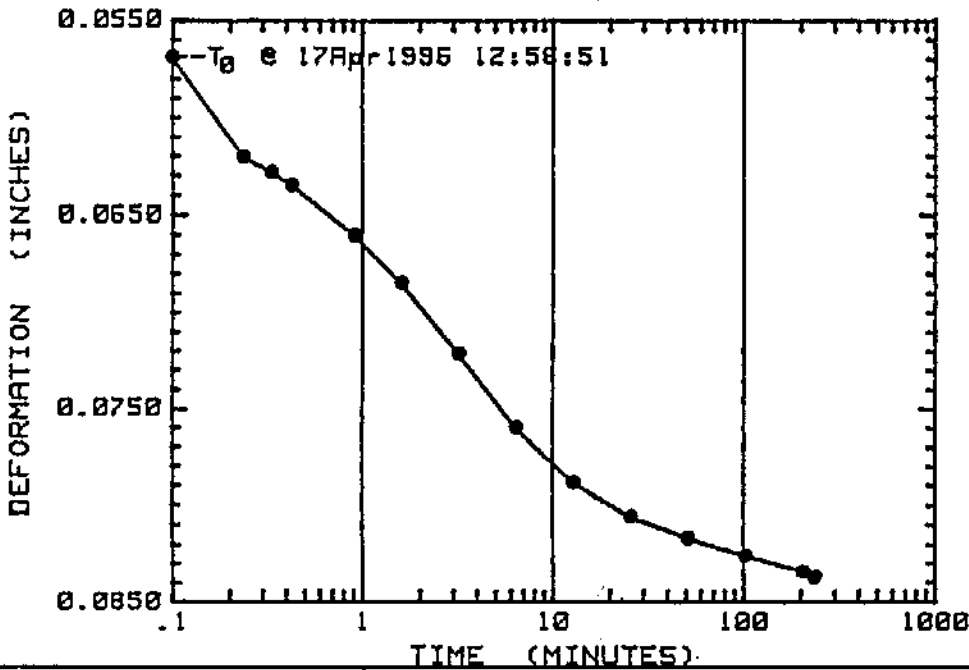
NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :2.5'
(SUBTRACT A CORRECTION
OF 0.0016"
FROM EACH READING)
PRESSURE: 7320 PSF



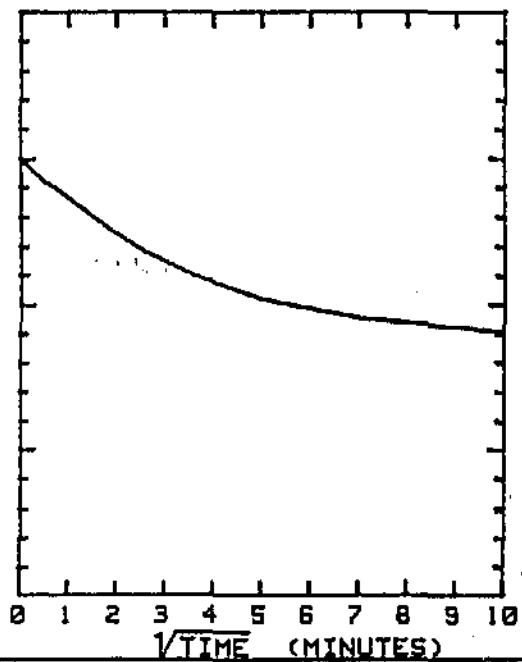
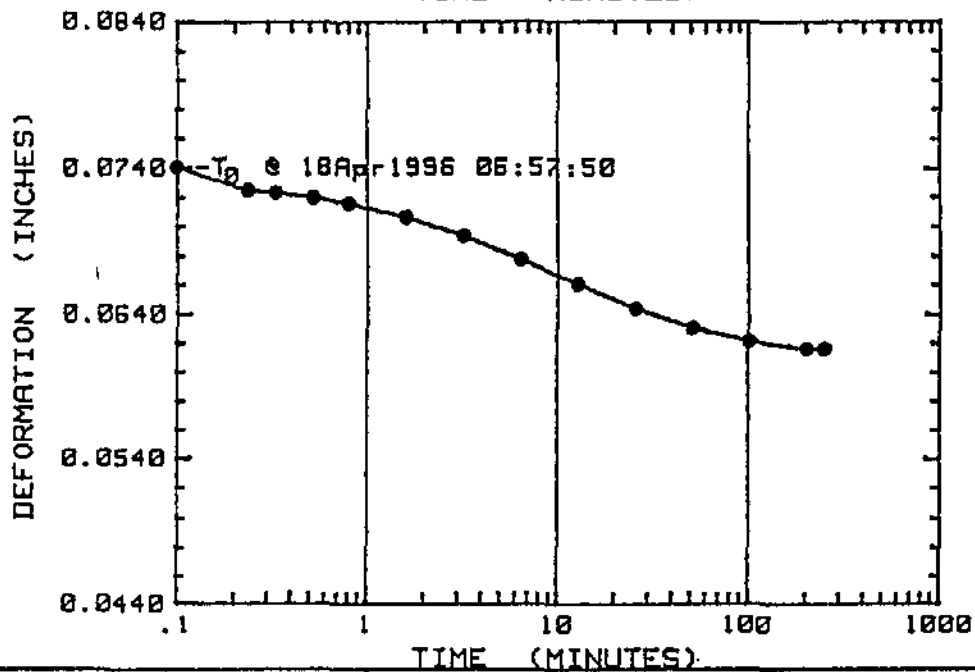
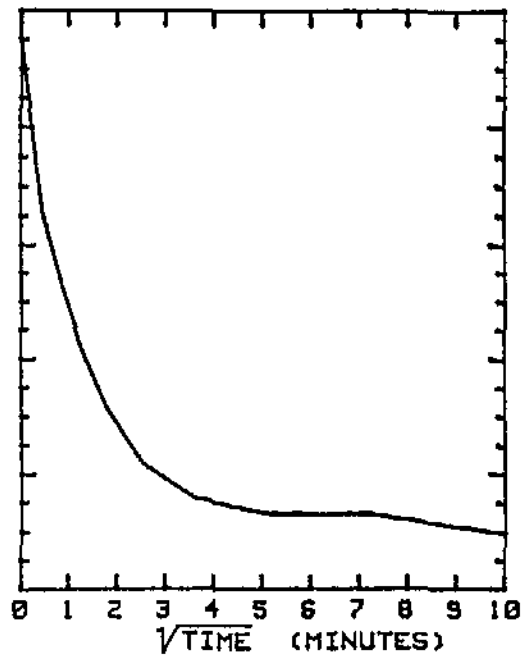
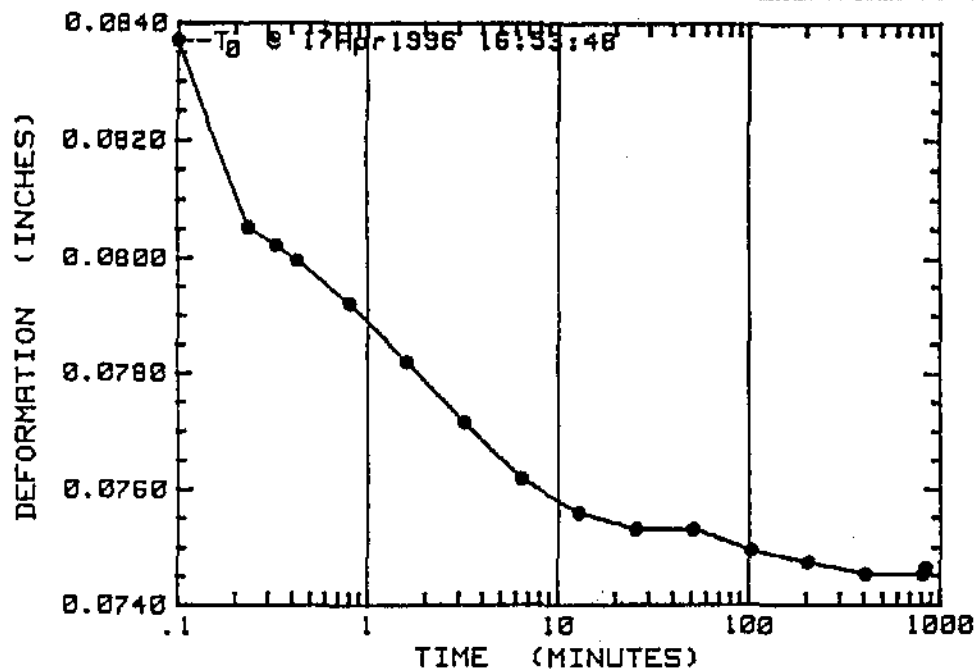
NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :2.5'
(SUBTRACT A CORRECTION
OF 0.0022"
FROM EACH READING)
PRESSURE: 15100 PSF

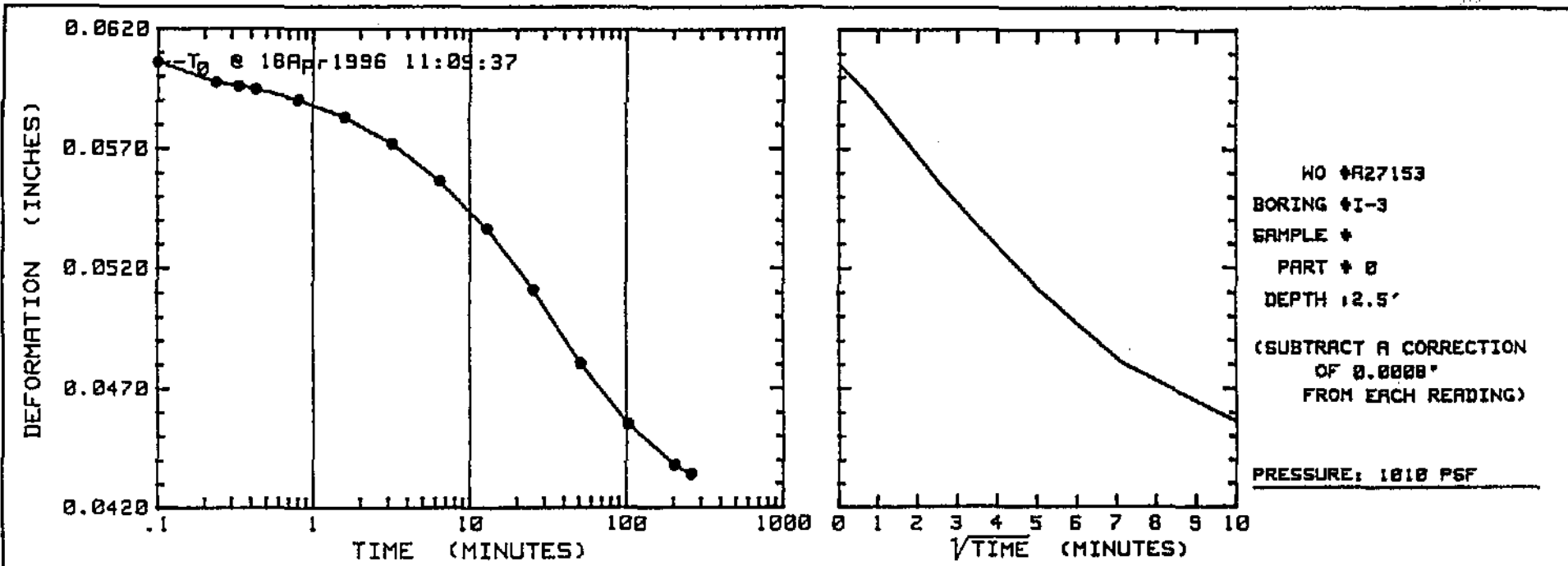


NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :2.5'
 (SUBTRACT A CORRECTION
 OF 0.0029"
 FROM EACH READING)
 PRESSURE: 31100 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :2.5'
 (SUBTRACT A CORRECTION
 OF 0.0030"
 FROM EACH READING)
 PRESSURE: 63300 PSF





PROJECT : LIBERTY

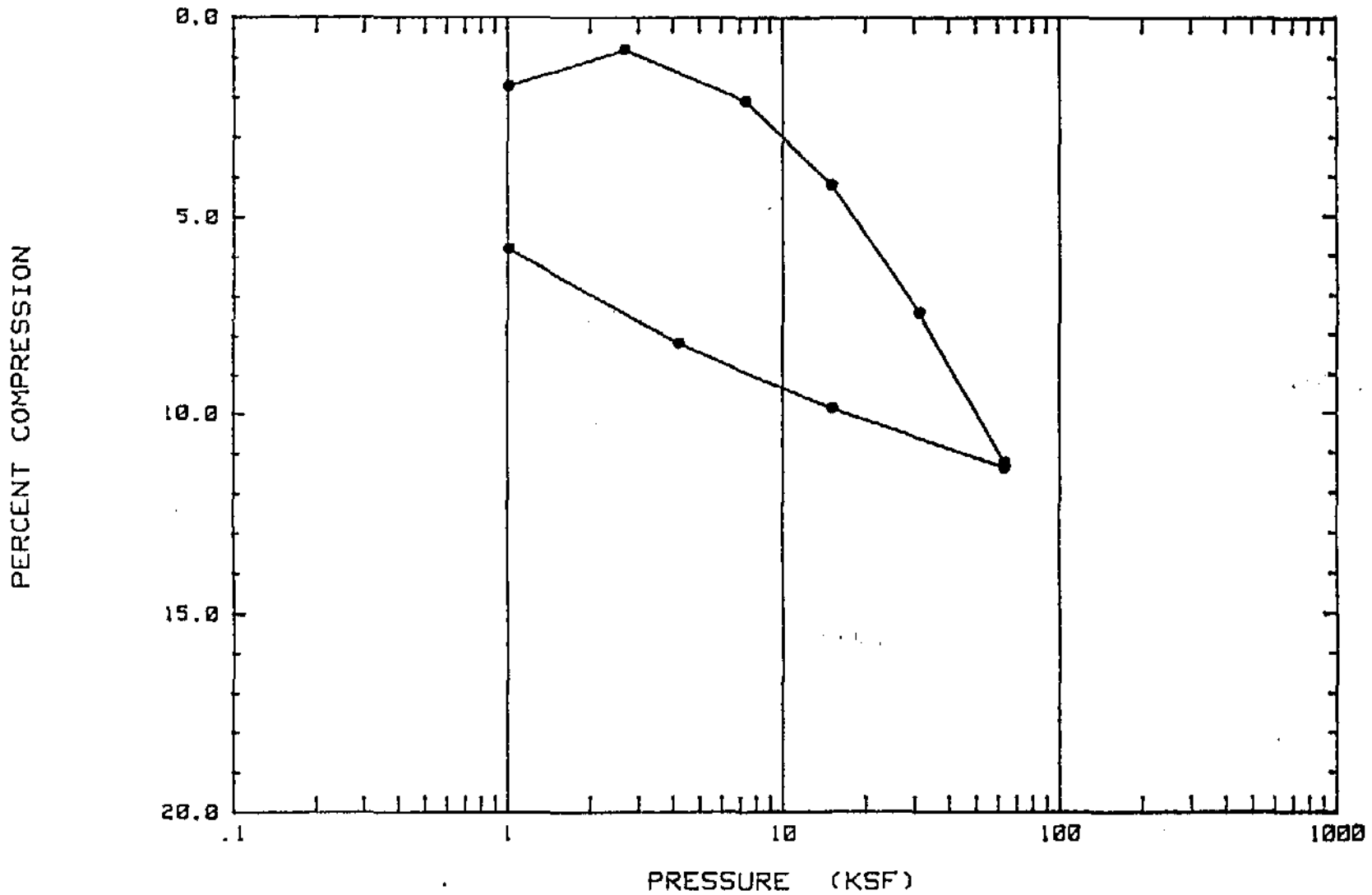
CLIENT : DUANE MILLER

BORING * I-3

SAMPLE *

DEPTH: 7.5'

LABORATORY * C97039



PROJECT : LIBERTY

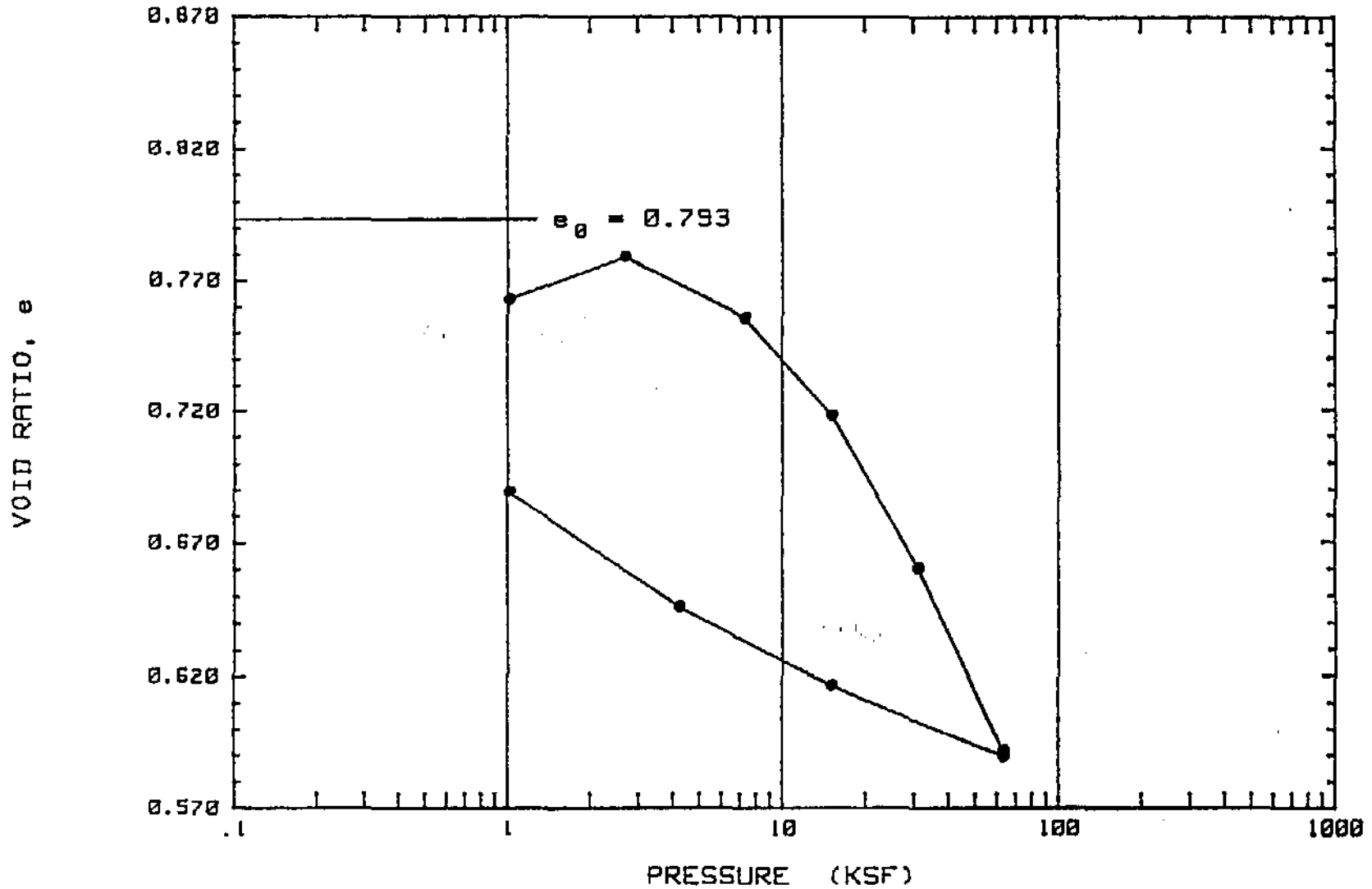
CLIENT : DUANE MILLER

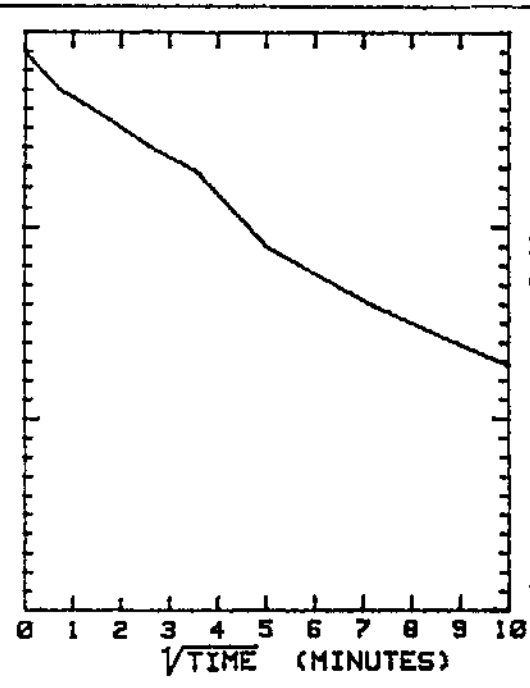
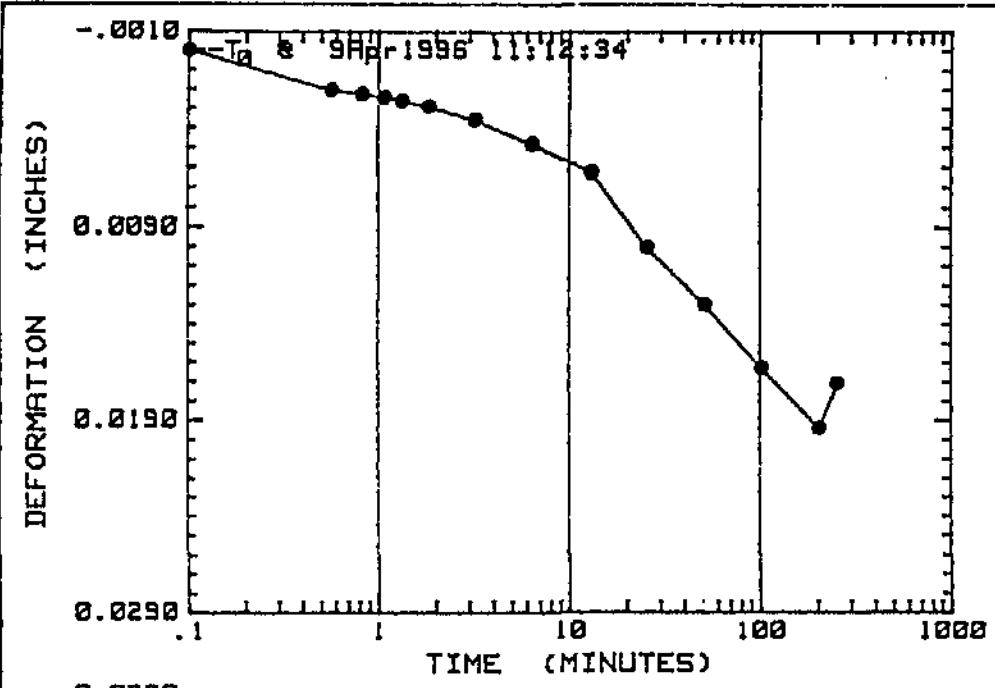
BORING * I-3

SAMPLE *

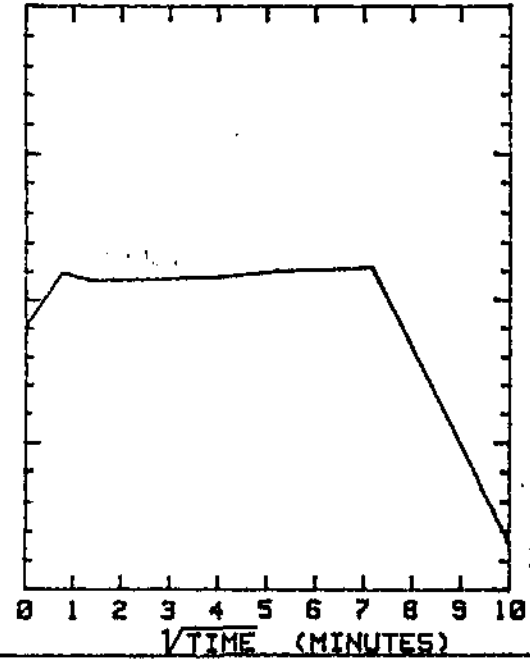
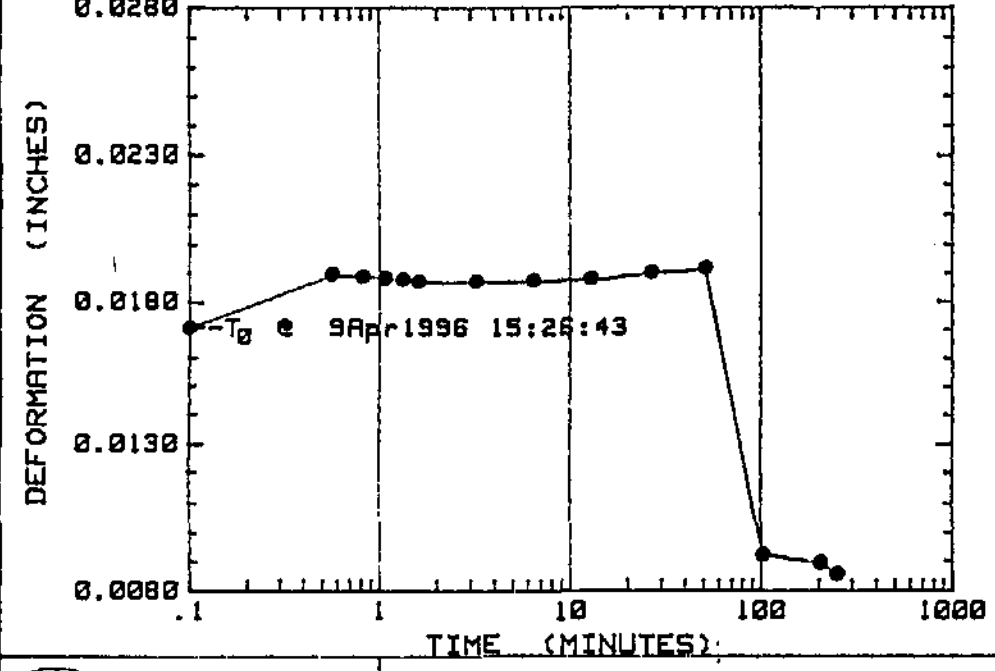
DEPTH: 7.5'

LABORATORY * C97039

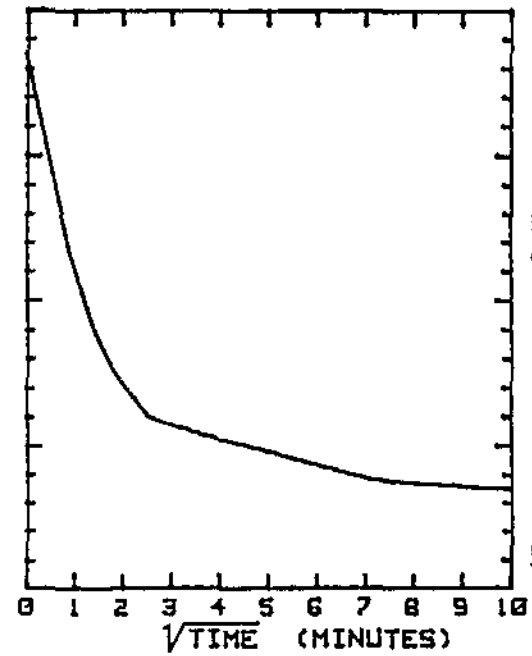
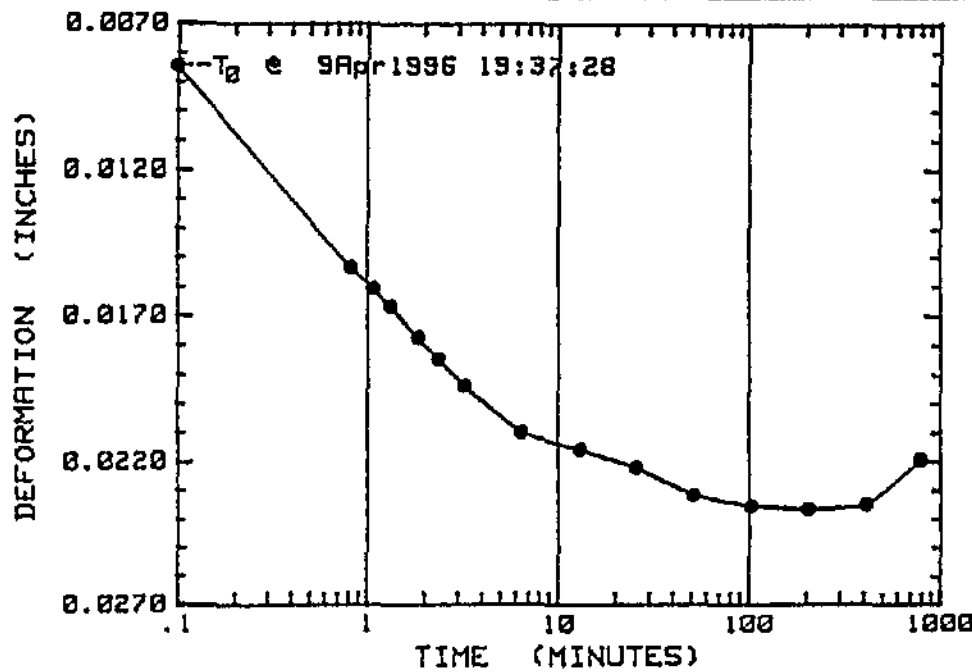




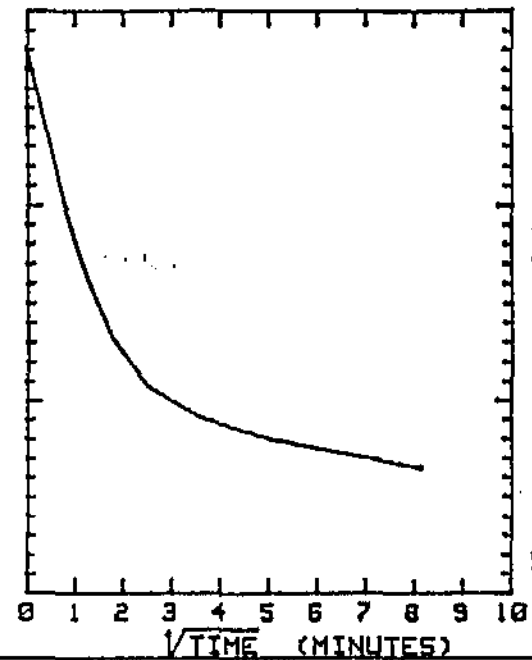
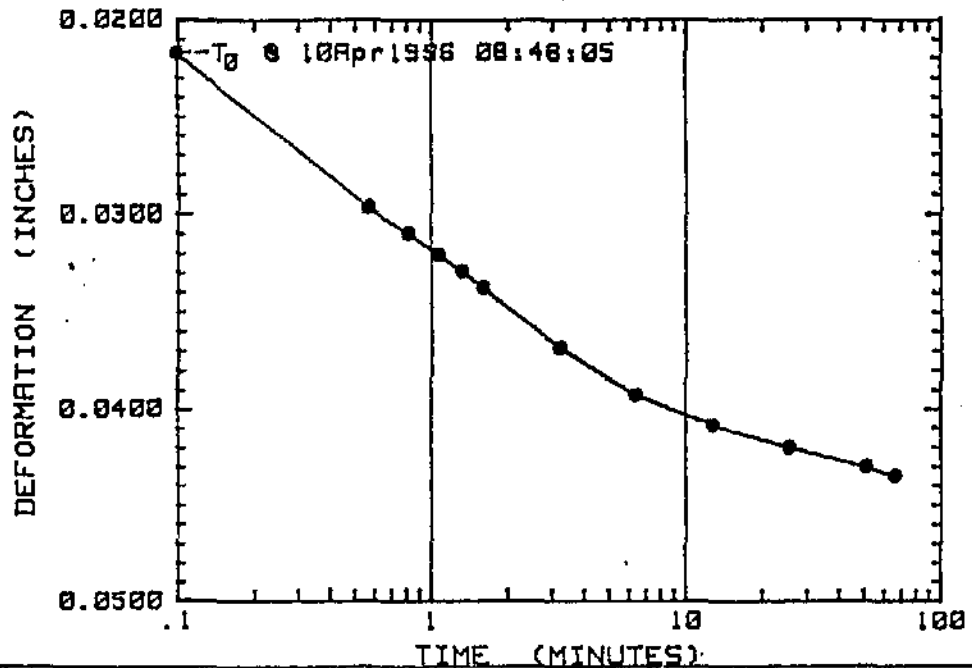
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # B
 DEPTH 17.5'
 (SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)
 PRESSURE: 1210 PSF



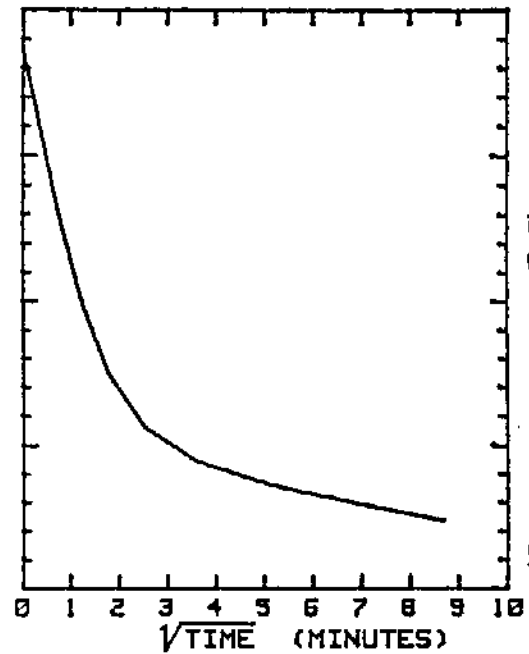
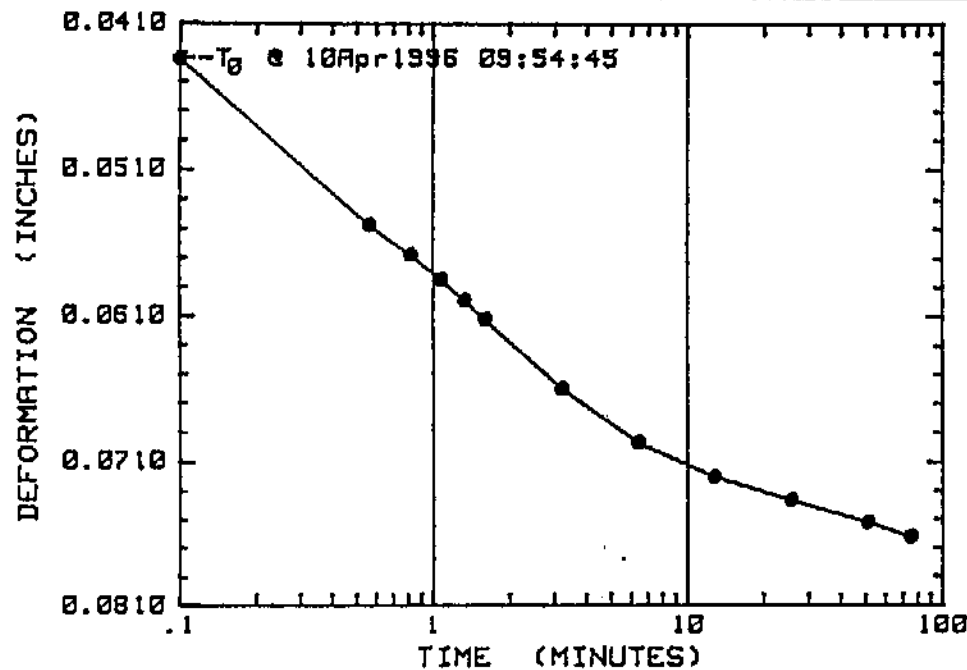
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # B
 DEPTH 17.5'
 (SUBTRACT A CORRECTION
 OF 0.0009"
 FROM EACH READING)
 PRESSURE: 2670 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH : 7.5'
 (SUBTRACT A CORRECTION
 OF 0.0016"
 FROM EACH READING)
 PRESSURE: 7310 PSF



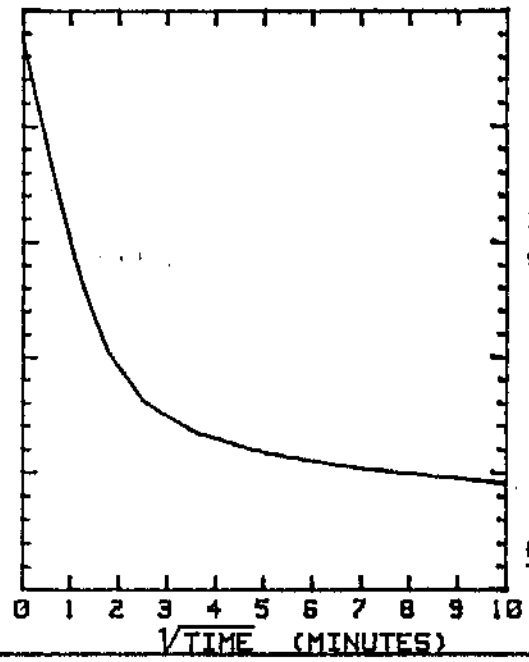
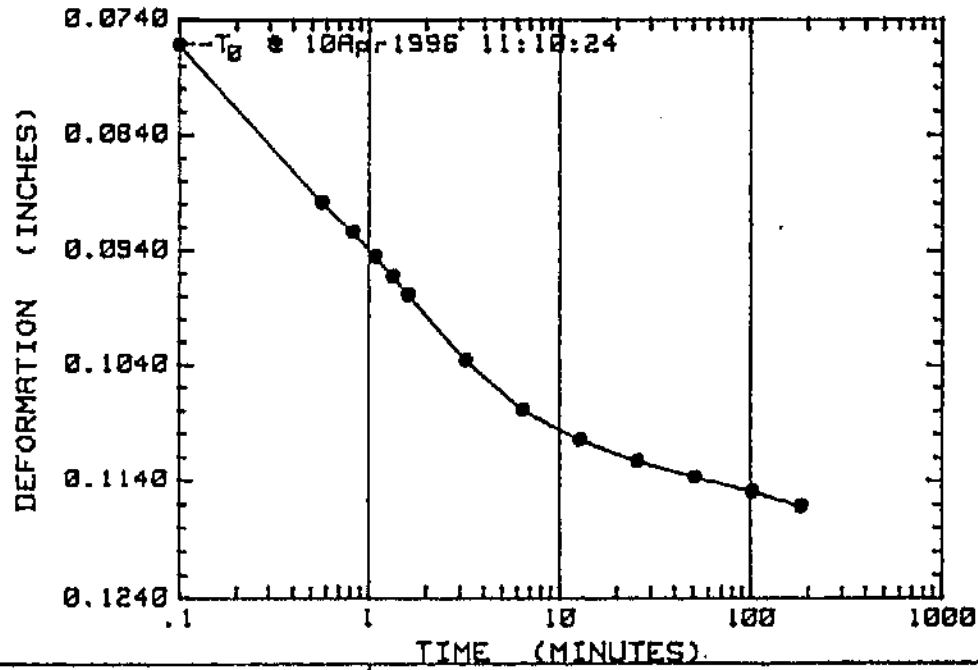
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH : 7.5'
 (SUBTRACT A CORRECTION
 OF 0.0022"
 FROM EACH READING)
 PRESSURE: 15100 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :7.5'

(SUBTRACT A CORRECTION
OF 0.0025"
FROM EACH READING)

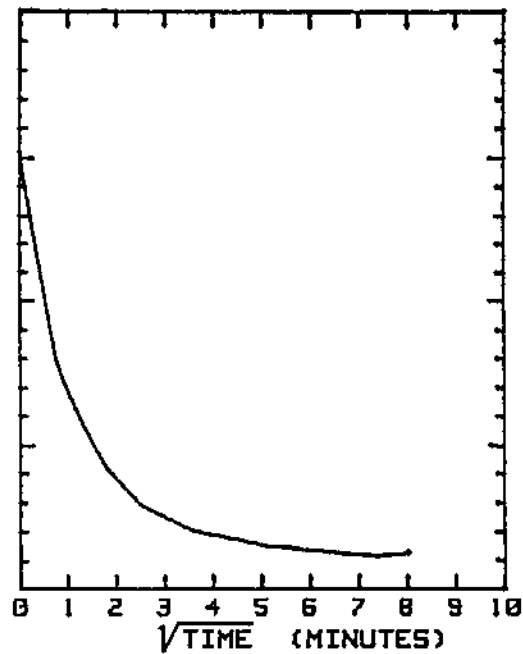
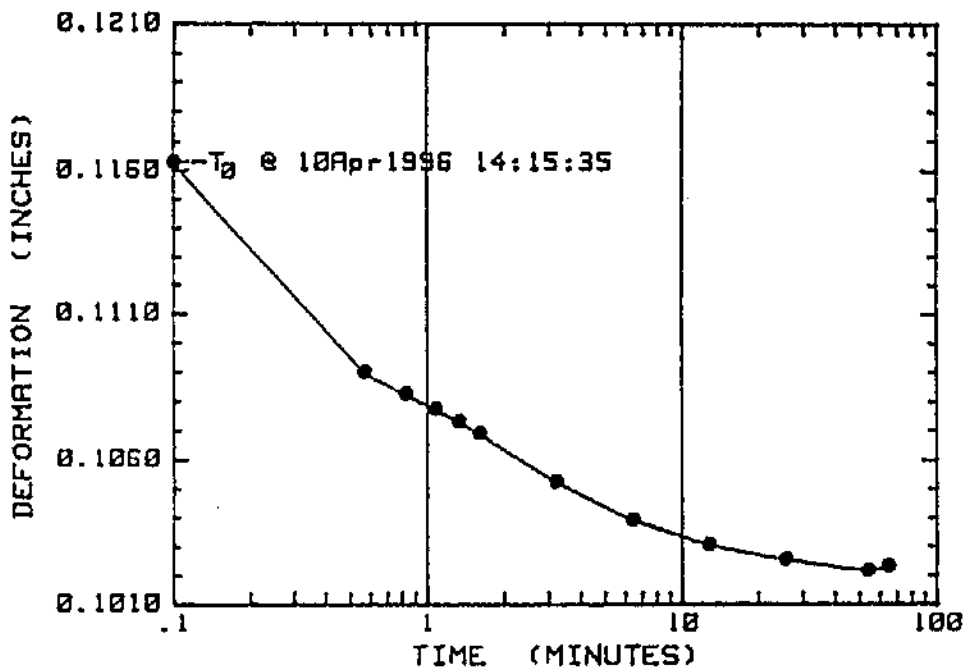
PRESSURE: 31100 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :7.5'

(SUBTRACT A CORRECTION
OF 0.0030"
FROM EACH READING)

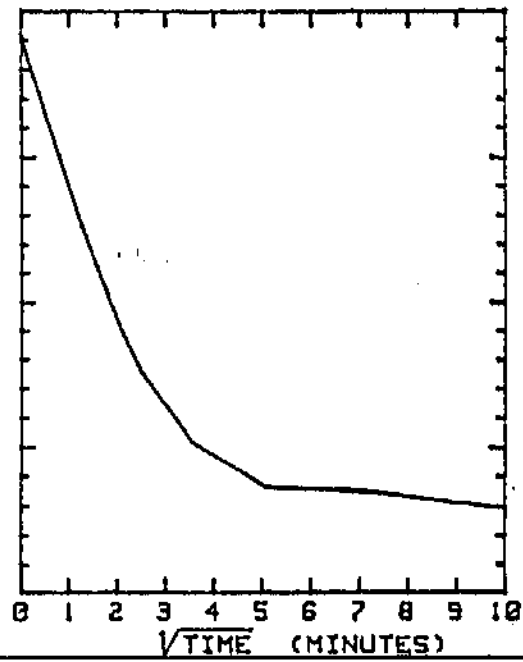
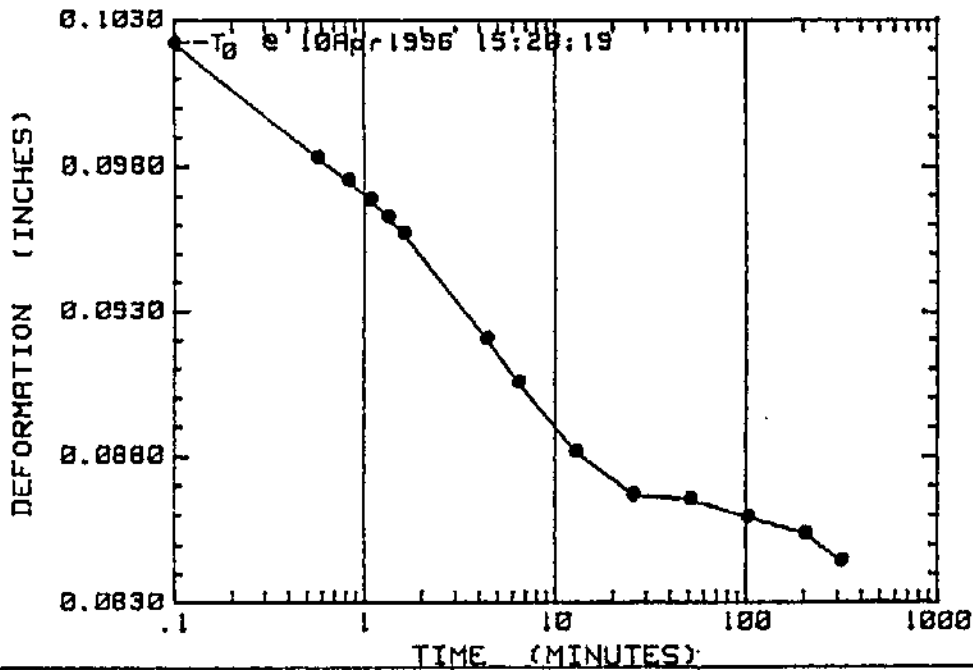
PRESSURE: 63200 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # B
DEPTH :7.5'

(SUBTRACT A CORRECTION
OF 0.0024"
FROM EACH READING)

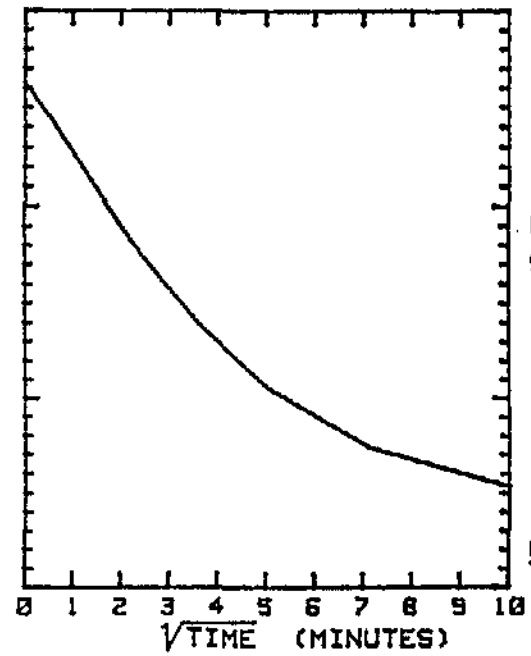
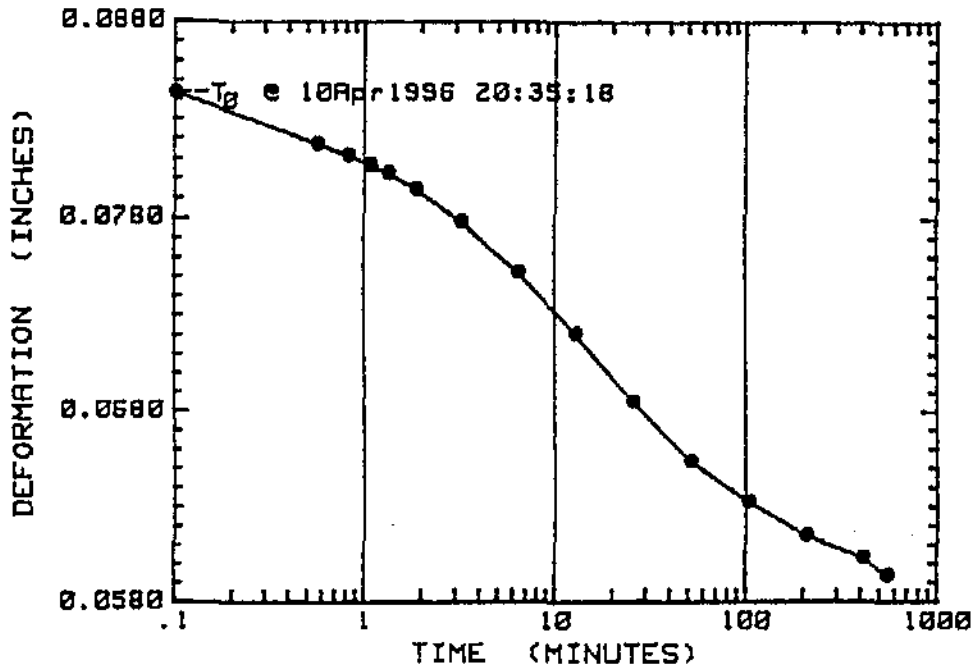
PRESSURE: 15100 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # B
DEPTH :7.5'

(SUBTRACT A CORRECTION
OF 0.0014"
FROM EACH READING)

PRESSURE: 4210 PSF



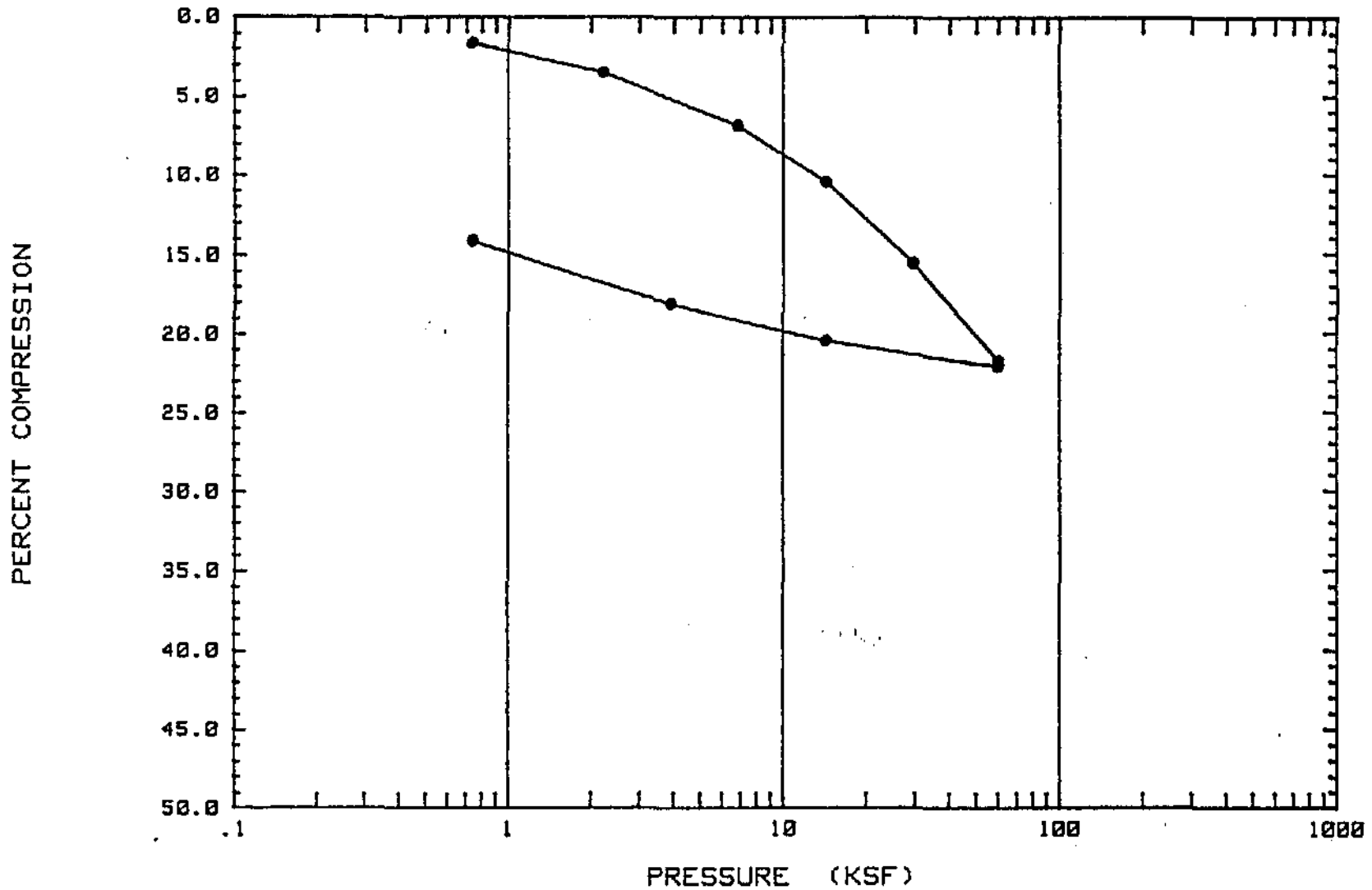
NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH : 7.5'
(SUBTRACT A CORRECTION
OF 0.0000"
FROM EACH READING)
PRESSURE: 1010 PSF

PROJECT : LIBERTY
BORING # I-3
SAMPLE #

CLIENT : DUARNE MILLER

DEPTH: 12.5'

LABORATORY # C97042

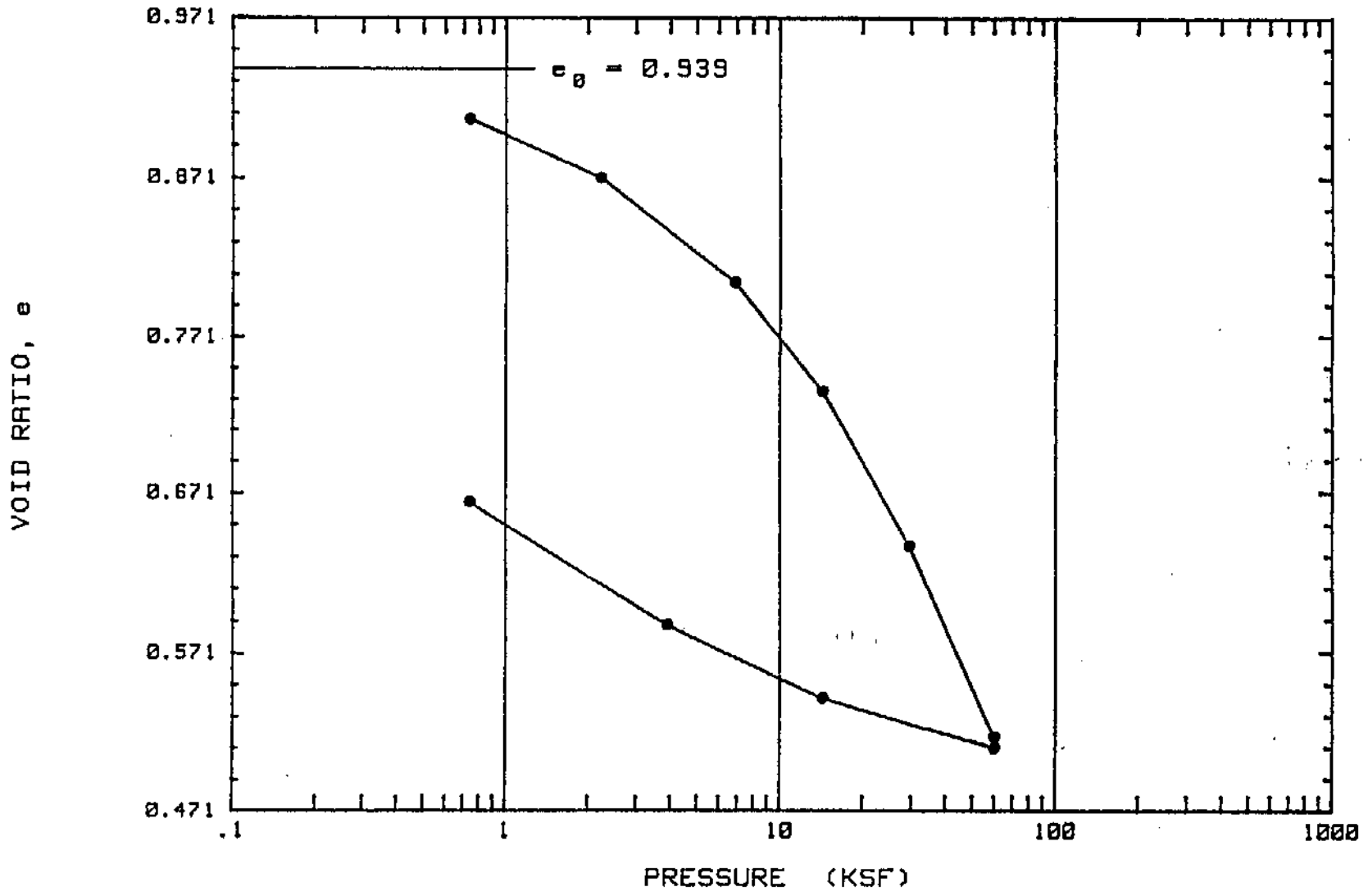


PROJECT : LIBERTY
BORING # I-3
SAMPLE #

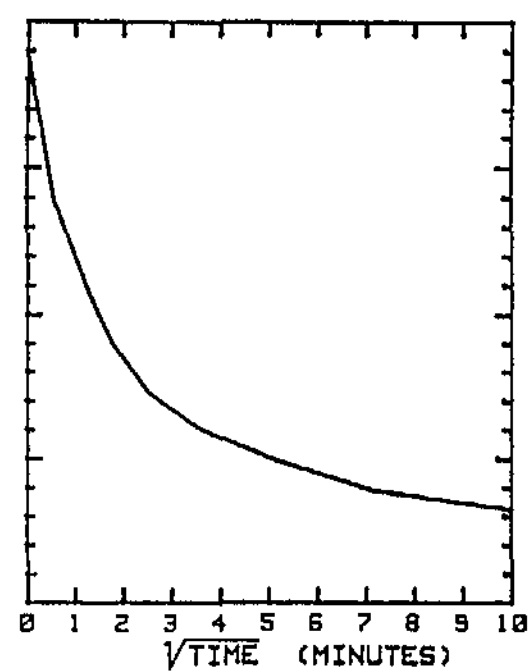
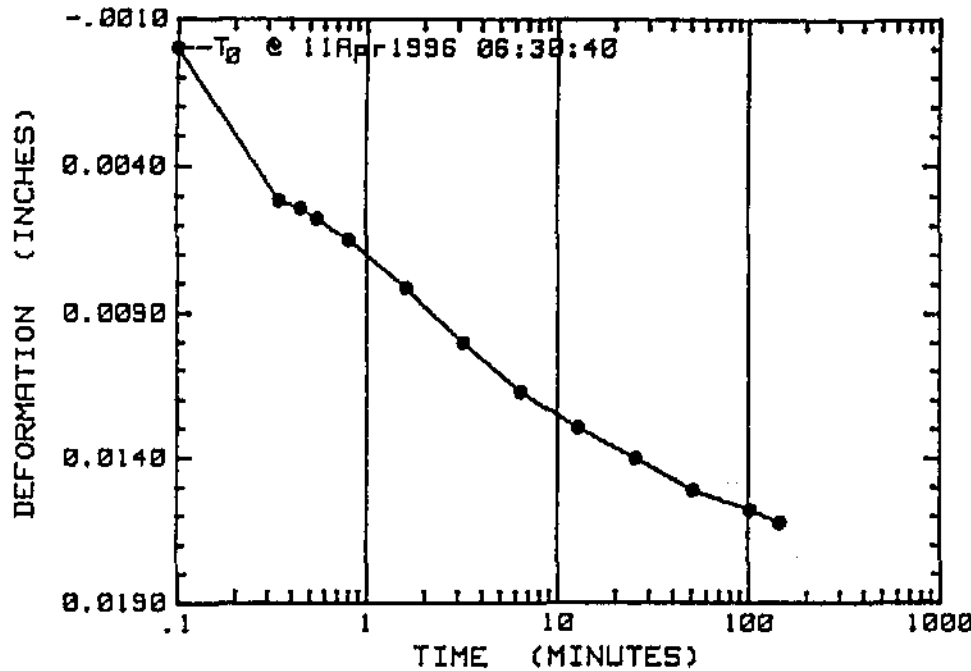
CLIENT : DUANE MILLER

DEPTH: 12.5'

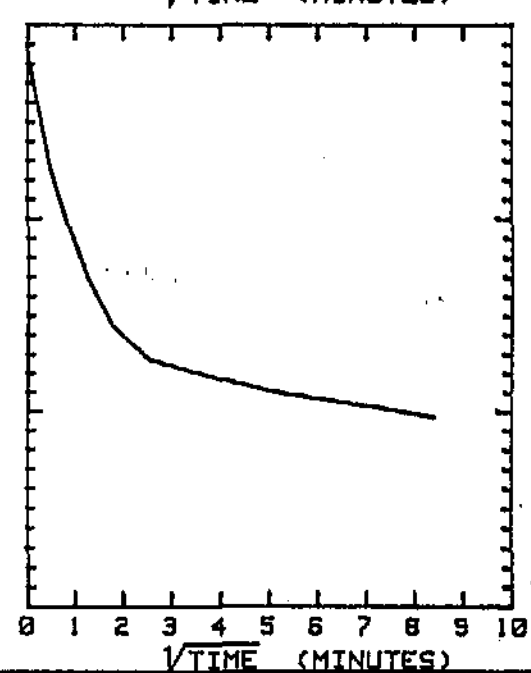
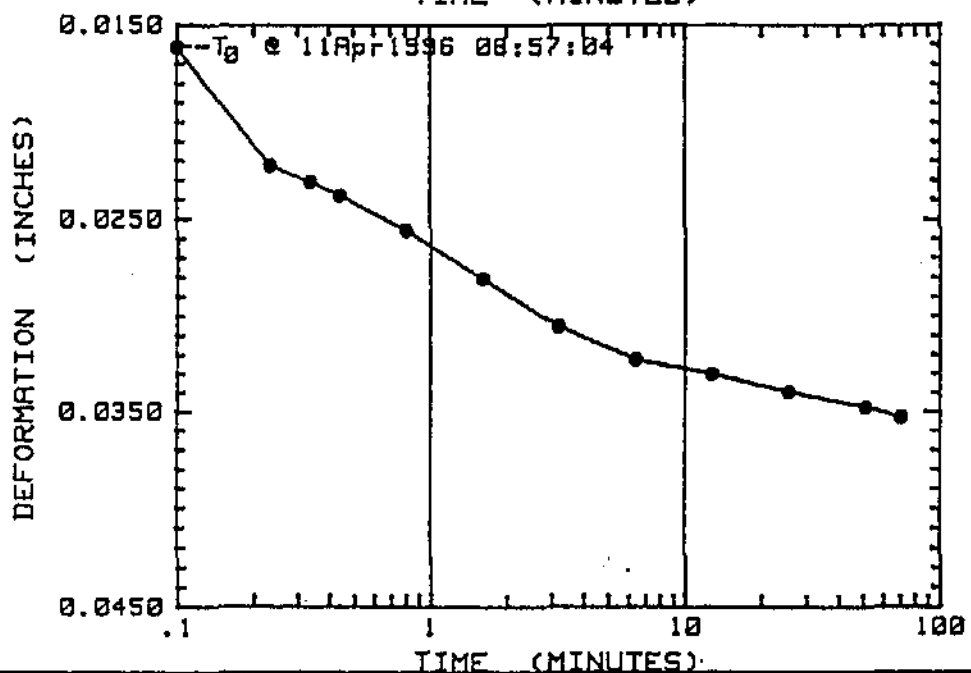
LABORATORY # CS7042



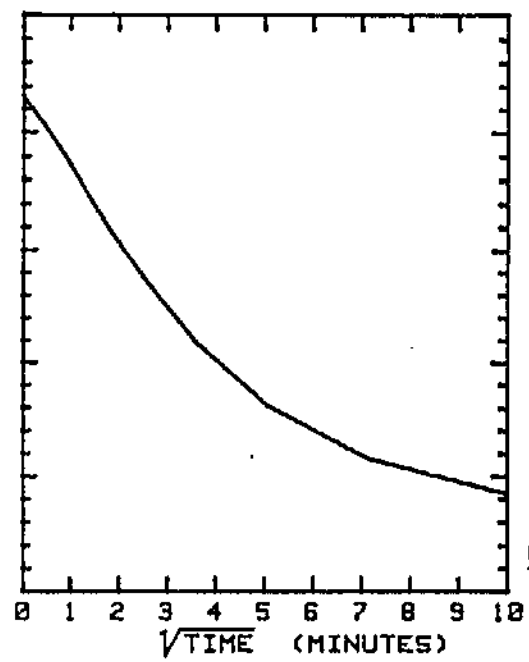
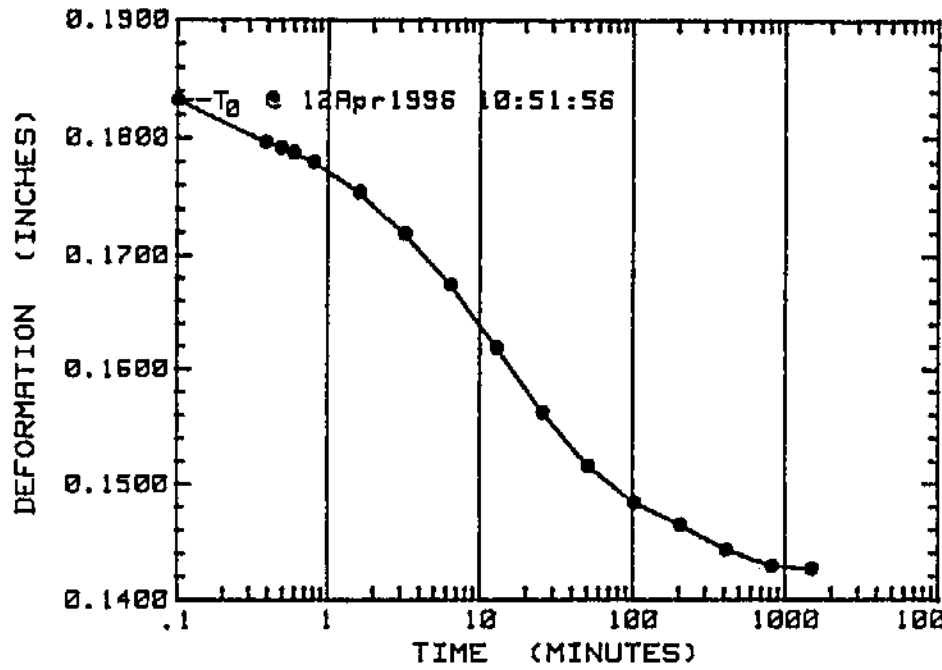
$0.42e_g = 0.394$



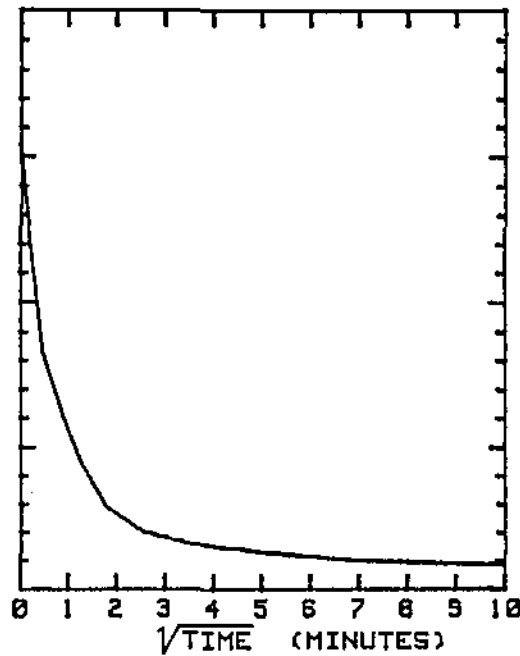
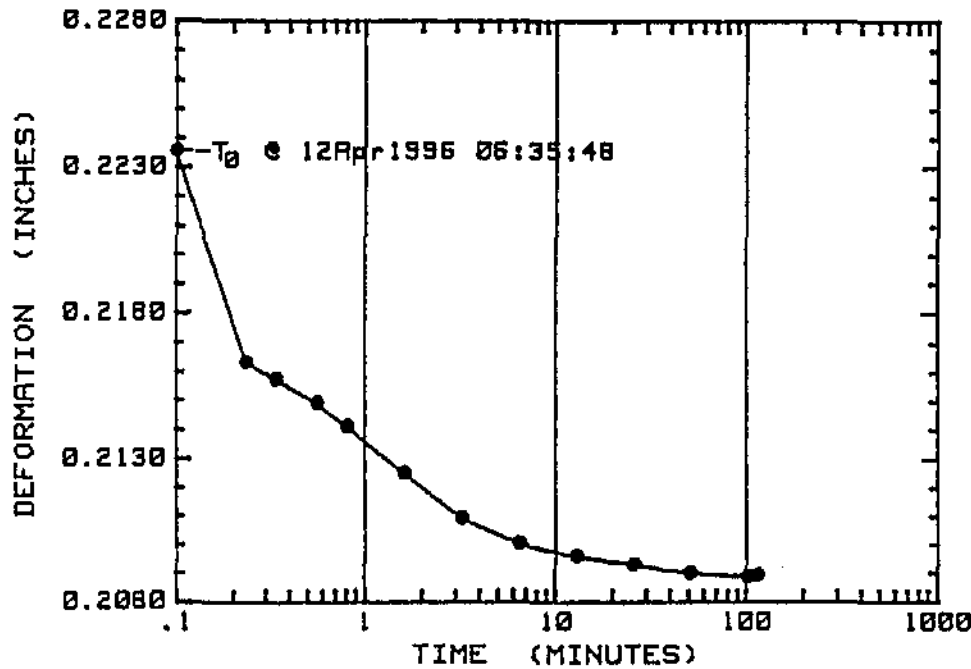
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :12.5'
 (SUBTRACT A CORRECTION
 OF 0.0004"
 FROM EACH READING)
 PRESSURE: 738 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :12.5'
 (SUBTRACT A CORRECTION
 OF 0.0027"
 FROM EACH READING)
 PRESSURE: 2230 PSF



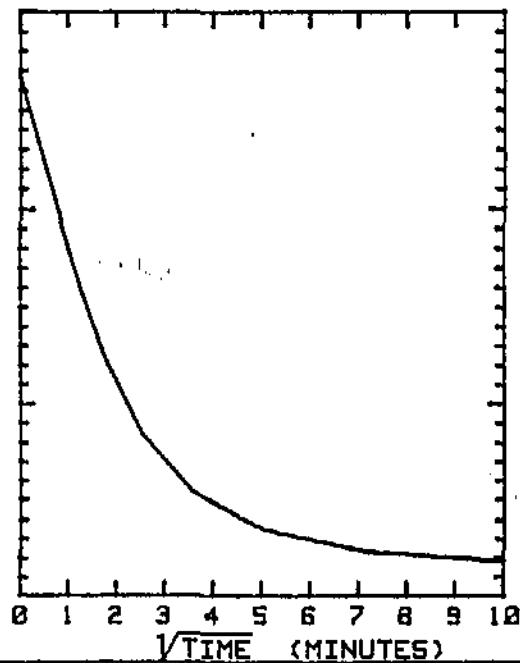
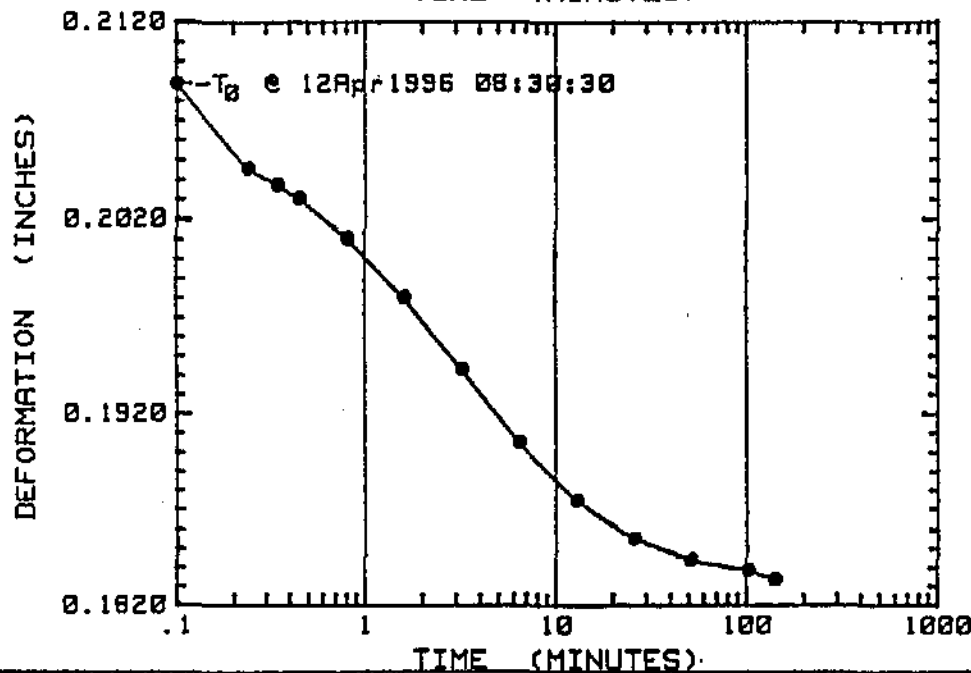
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :12.5'
 (SUBTRACT A CORRECTION
 OF 0.0010"
 FROM EACH READING)
 PRESSURE: 738 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :12.5'

(SUBTRACT A CORRECTION
OF 0.0032"
FROM EACH READING)

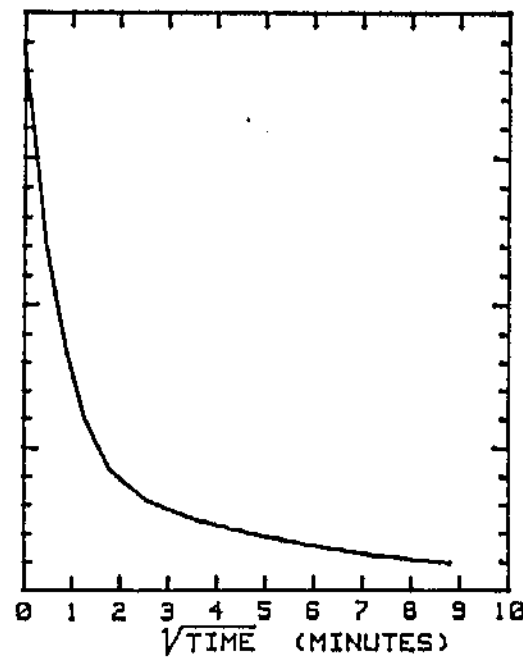
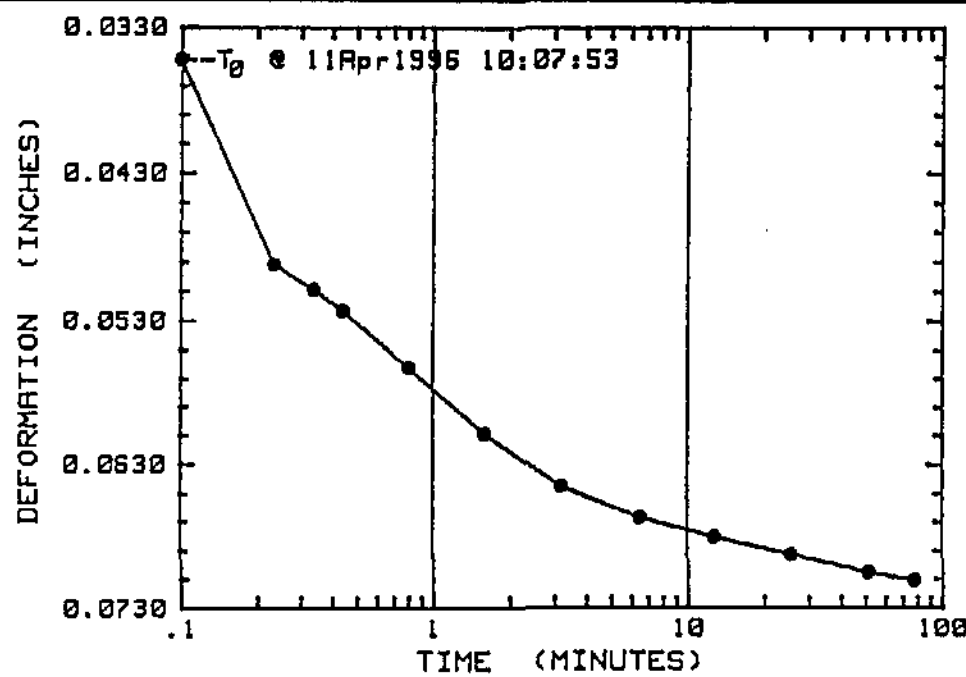
PRESSURE: 14300 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :12.5'

(SUBTRACT A CORRECTION
OF 0.0019"
FROM EACH READING)

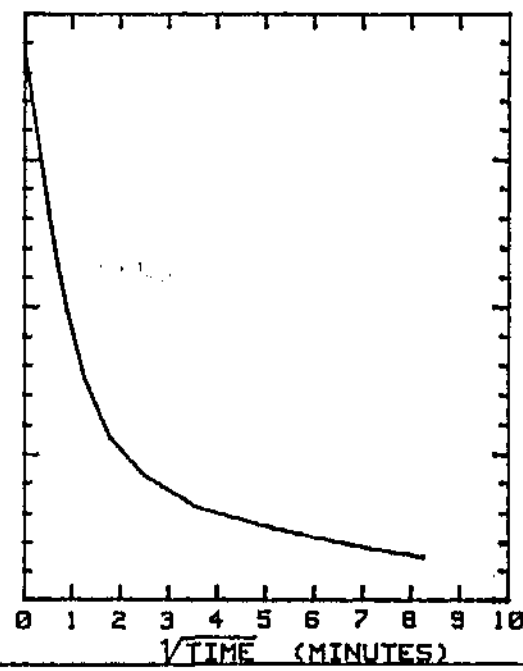
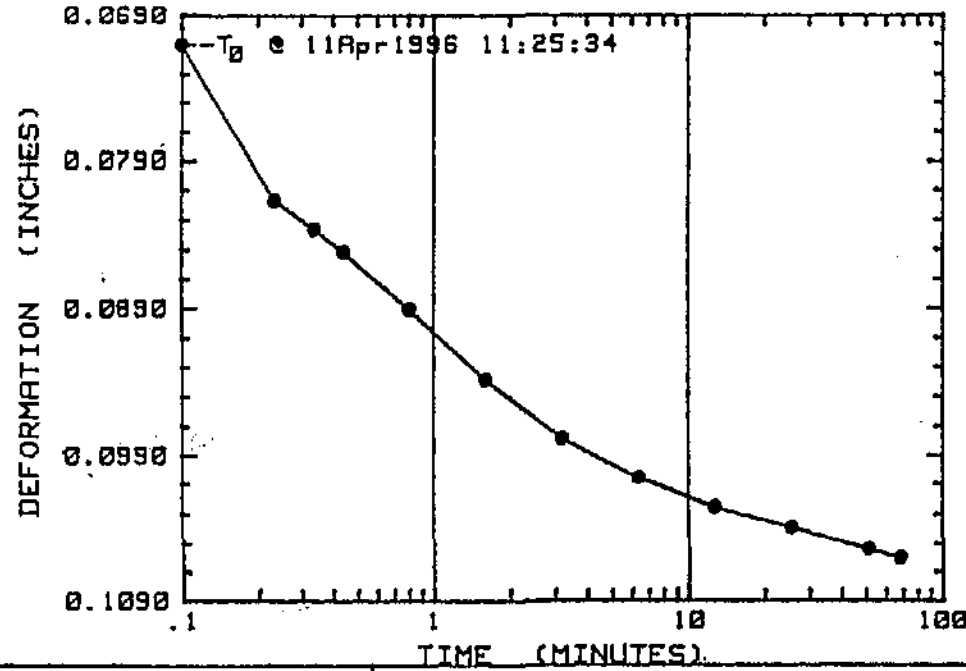
PRESSURE: 3800 PSF



NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :12.5'

(SUBTRACT A CORRECTION
OF 0.0018"
FROM EACH READING)

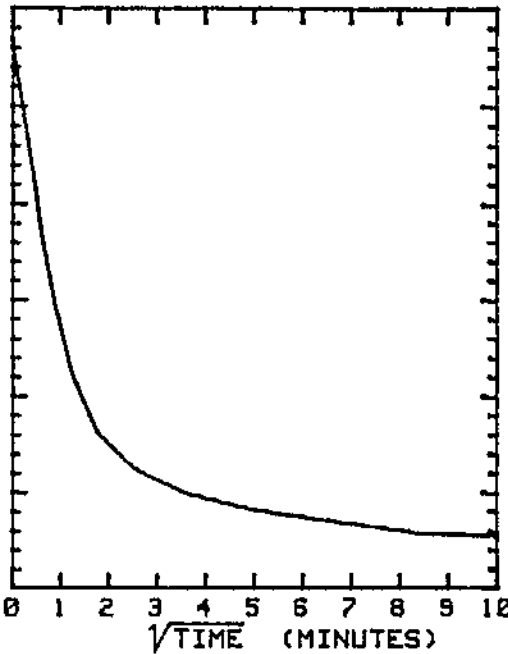
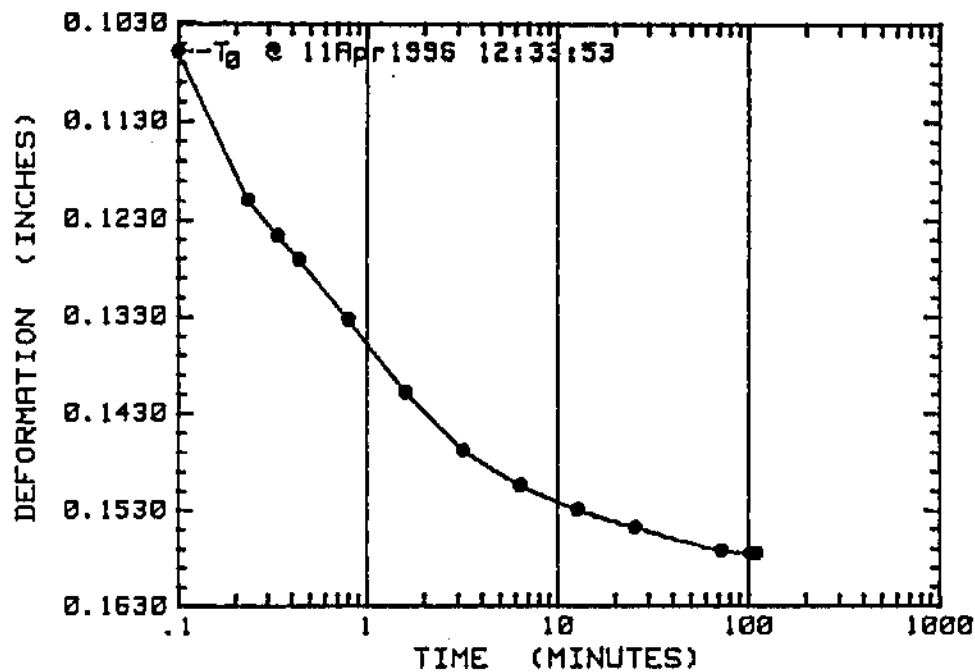
PRESSURE: 6840 PSF



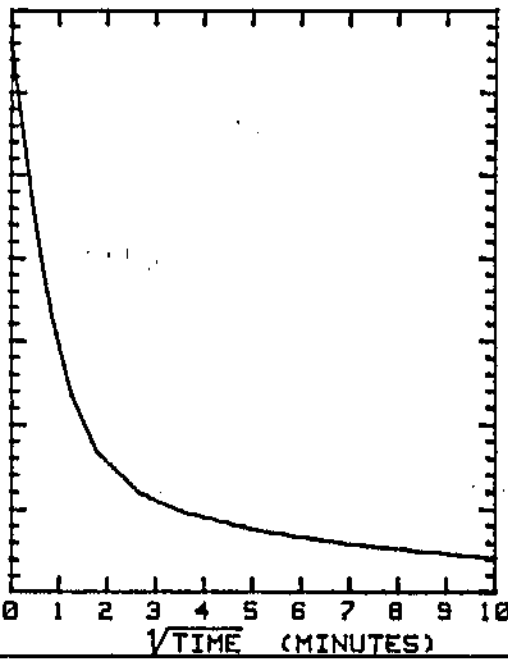
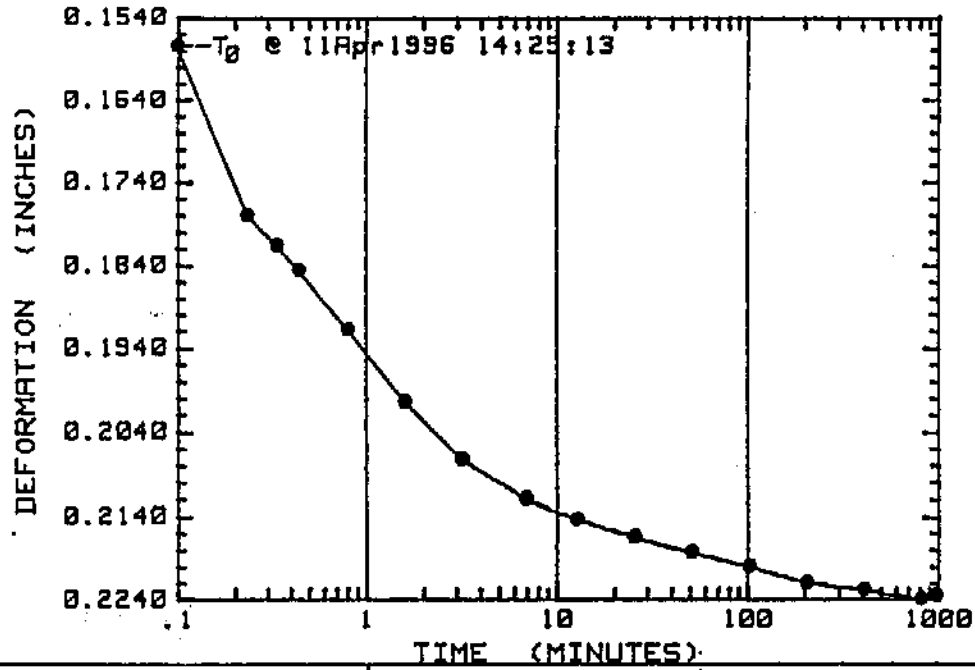
NO #A27153
BORING #I-3
SAMPLE #
PART # 0
DEPTH :12.5'

(SUBTRACT A CORRECTION
OF 0.0027"
FROM EACH READING)

PRESSURE: 14300 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 0
 DEPTH :12.5'
 (SUBTRACT A CORRECTION
 OF 0.0037"
 FROM EACH READING)
 PRESSURE: 29500 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 0
 DEPTH :12.5'
 (SUBTRACT A CORRECTION
 OF 0.0053"
 FROM EACH READING)
 PRESSURE: 60100 PSF

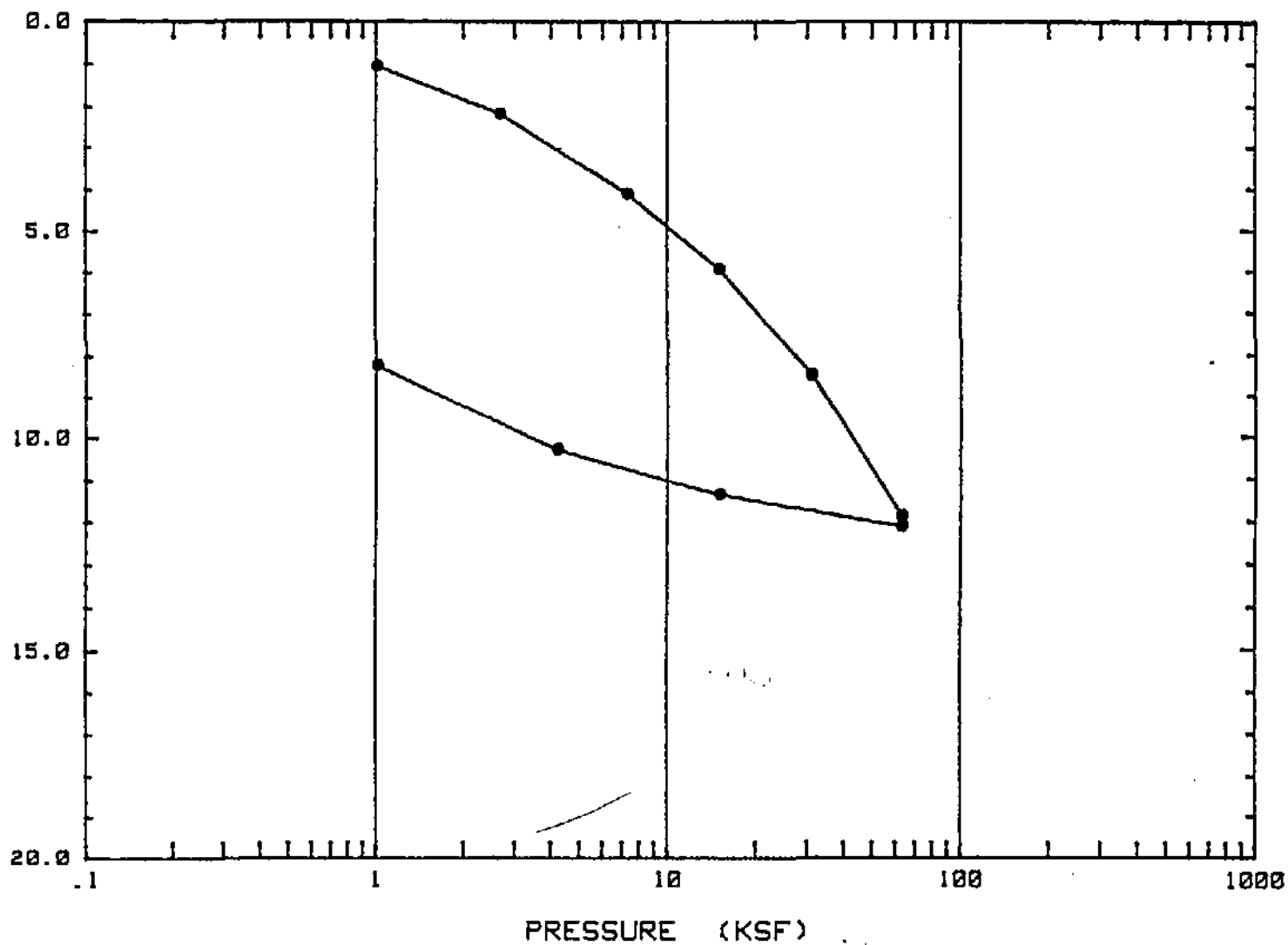
PROJECT : LIBERTY
BORING # I-3
SAMPLE #

CLIENT : DUANE MILLER

DEPTH: 20.0'

LABORATORY # C57043

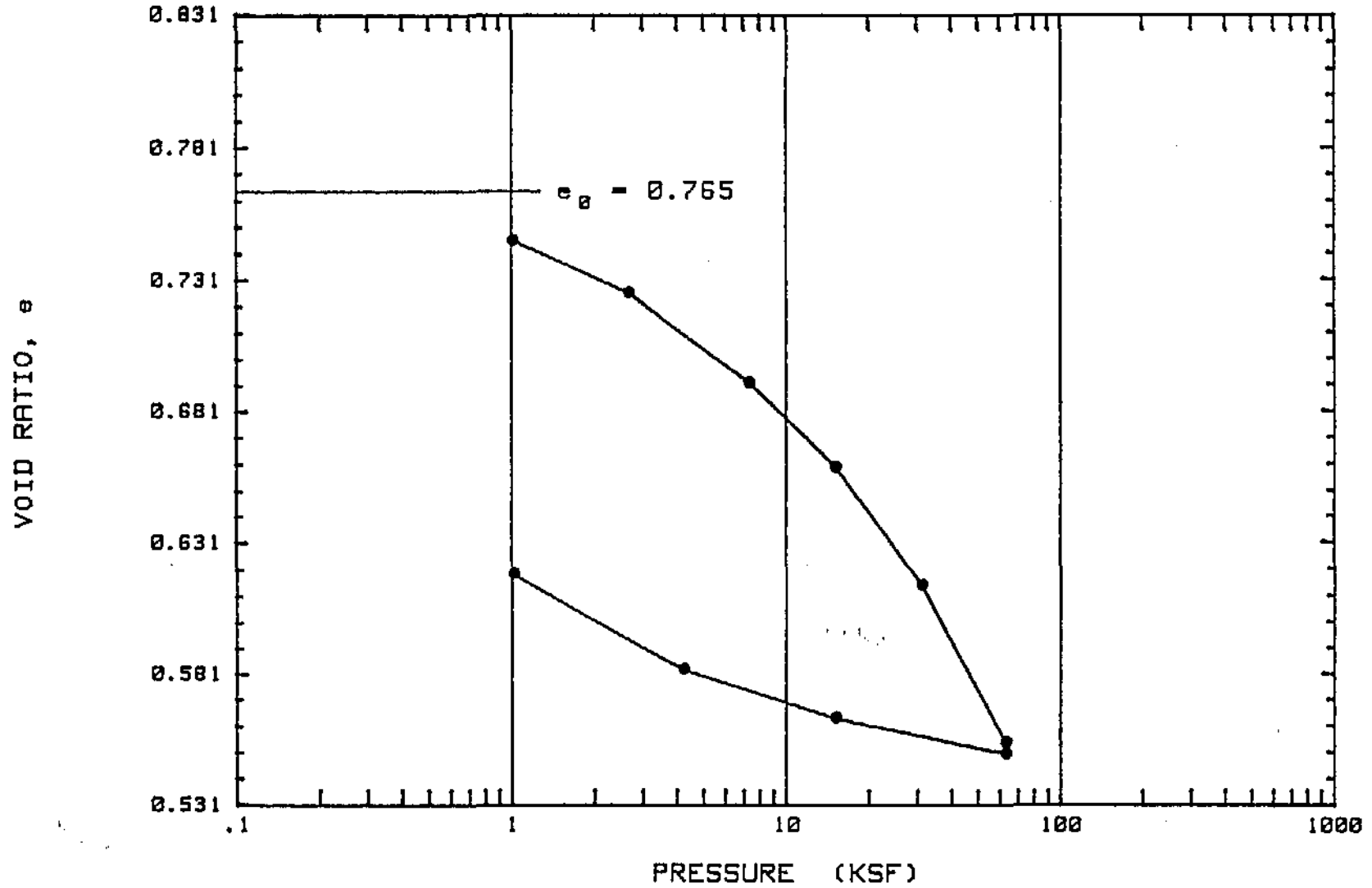
PERCENT COMPRESSION

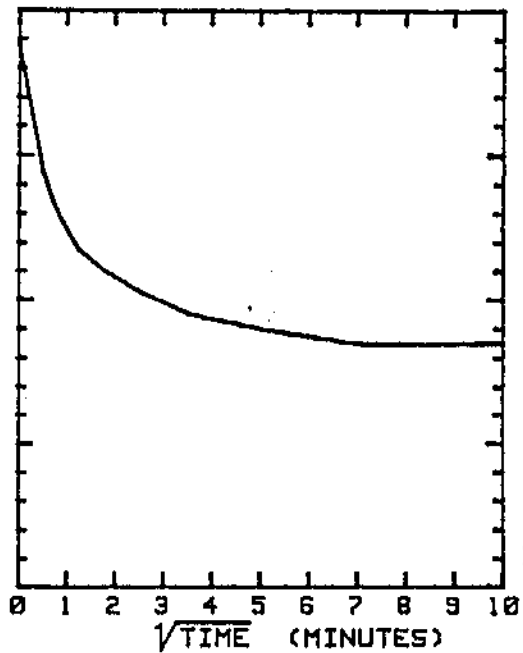
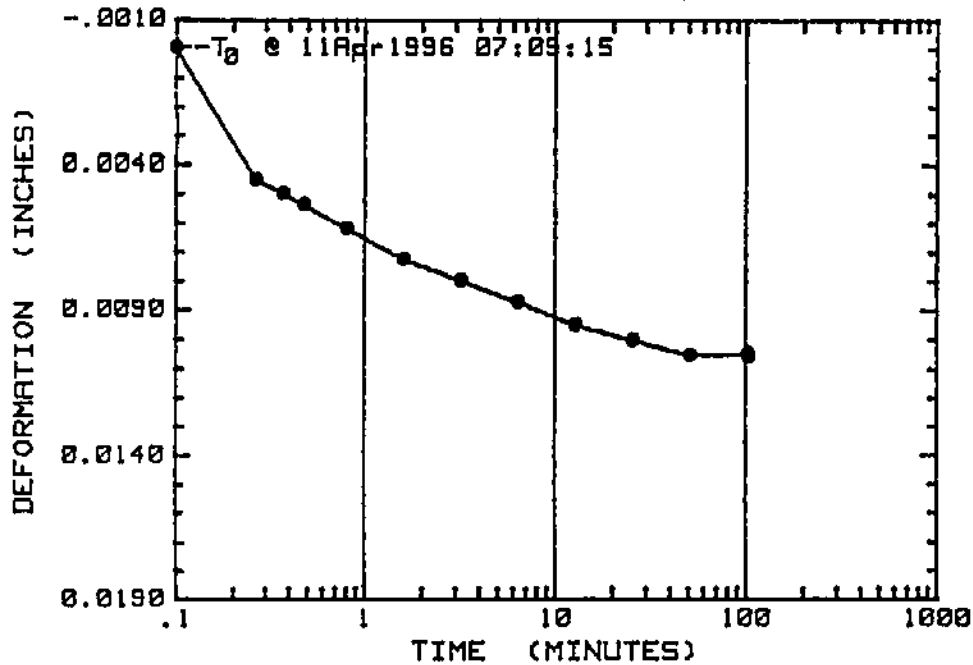


PROJECT : LIBERTY
BORING # I-3
SAMPLE #

CLIENT : DUANE MILLER
LABORATORY # C97843

DEPTH: 28.0'

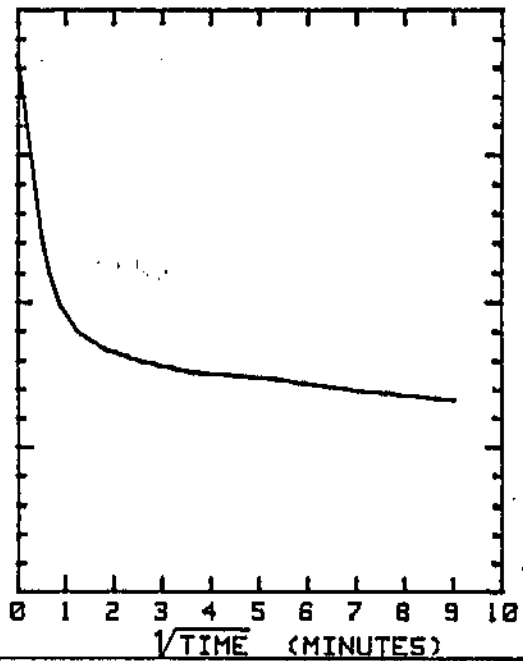
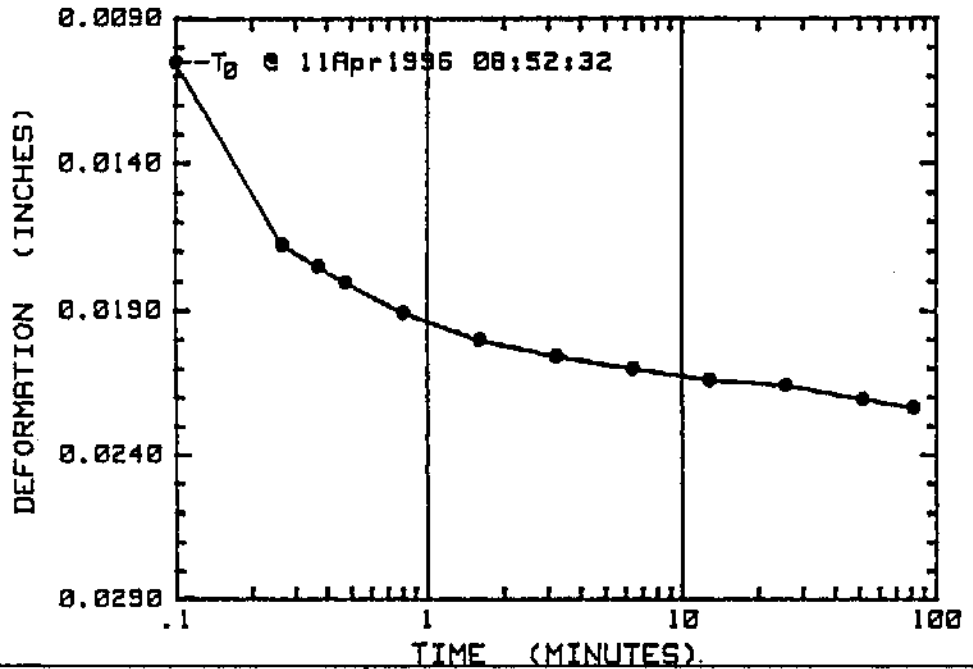




NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 0
 DEPTH 120.0'

(SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)

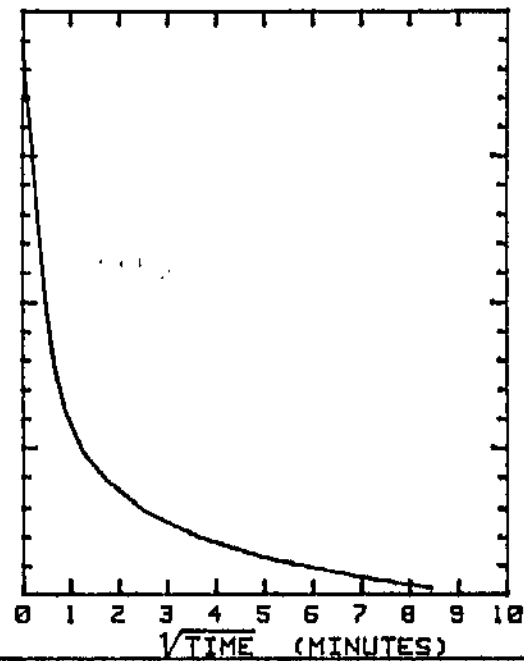
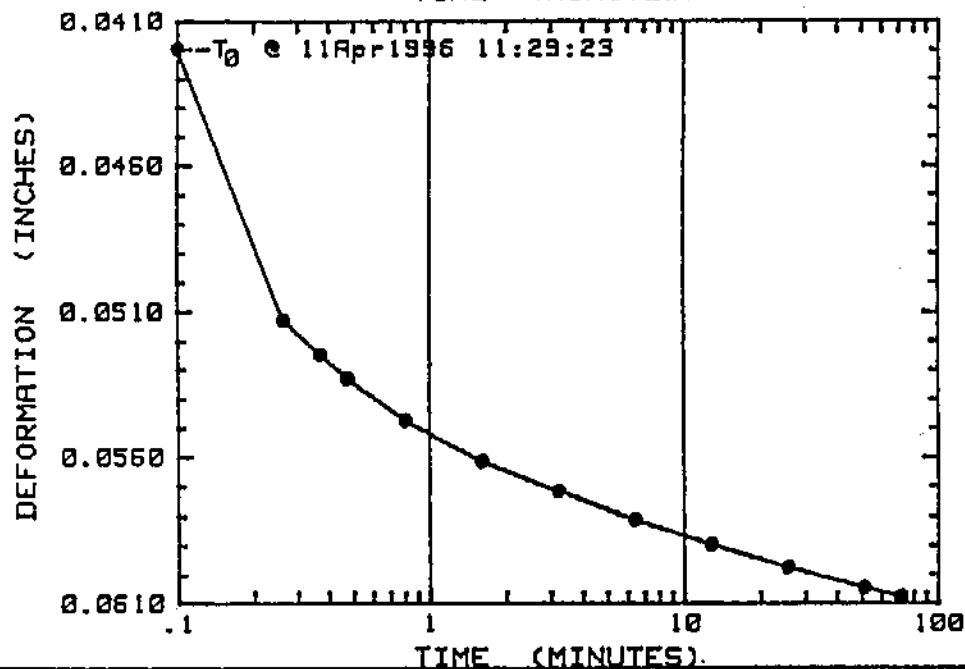
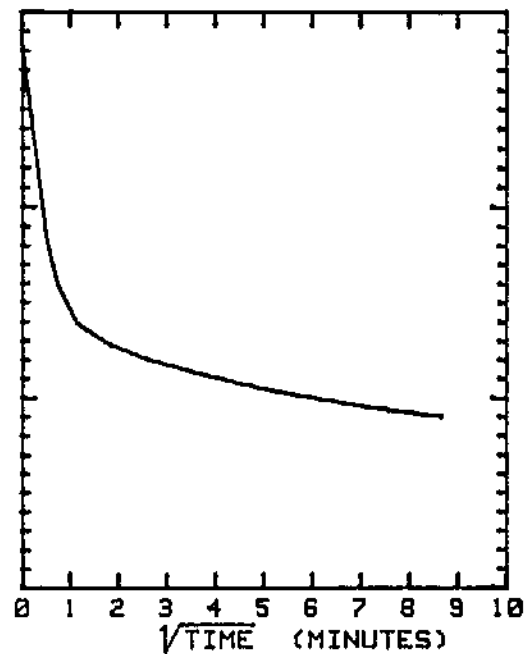
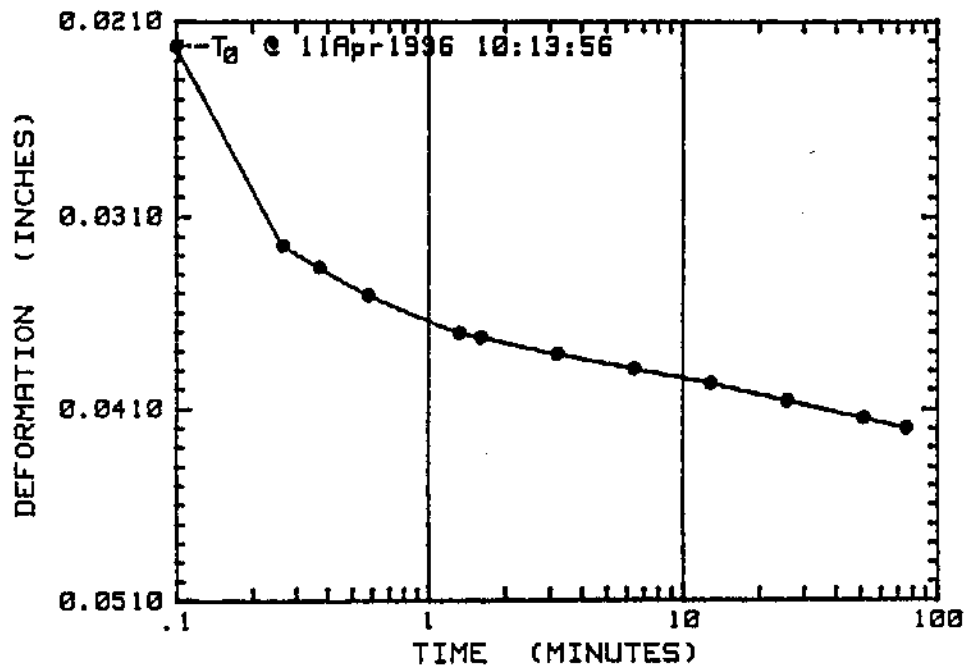
PRESSURE: 1010 PSF

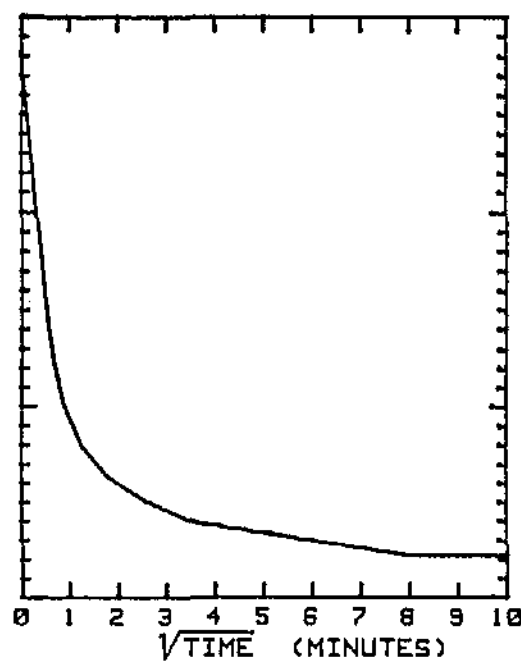
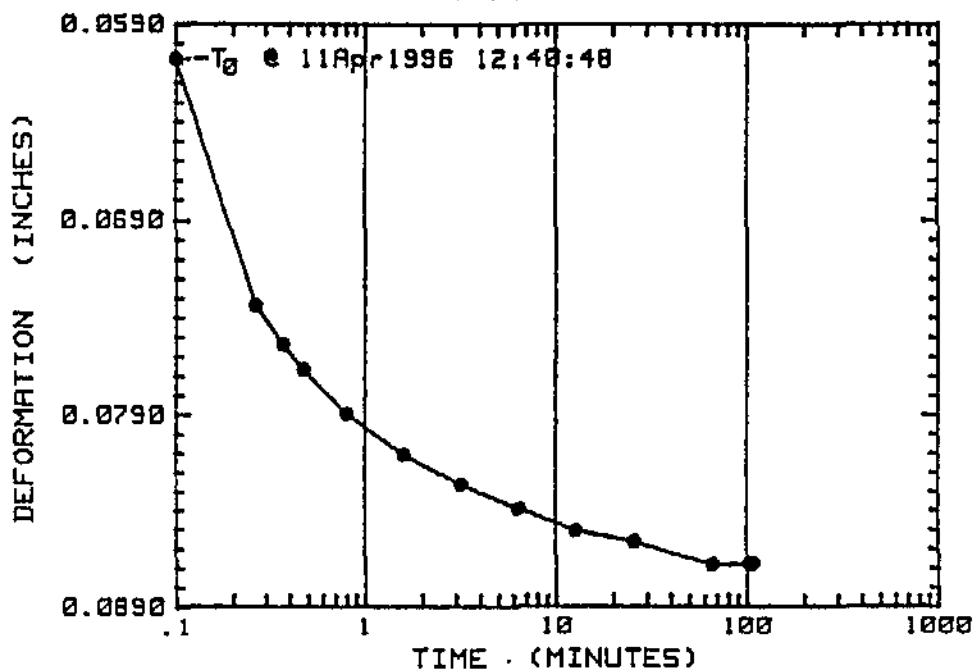


NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 0
 DEPTH 120.0'

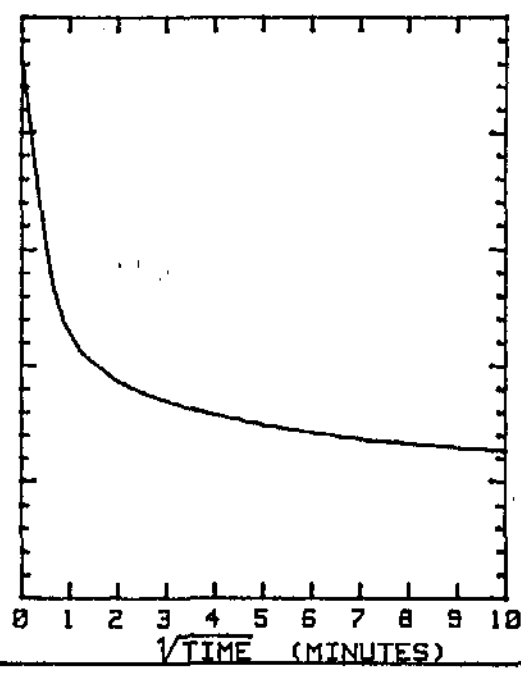
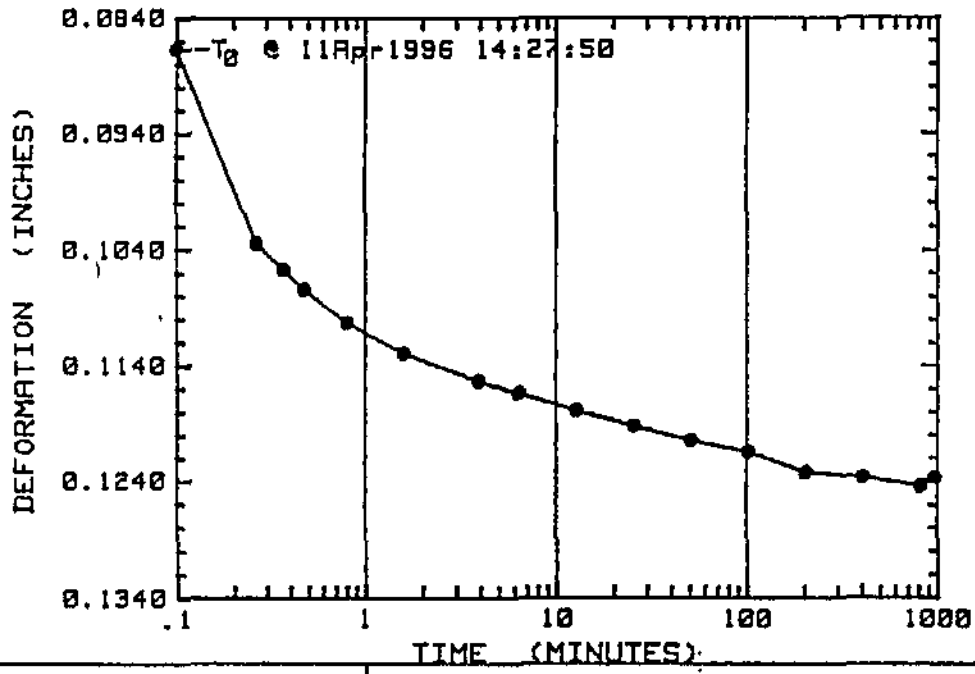
(SUBTRACT A CORRECTION
 OF 0.0005"
 FROM EACH READING)

PRESSURE: 2670 PSF

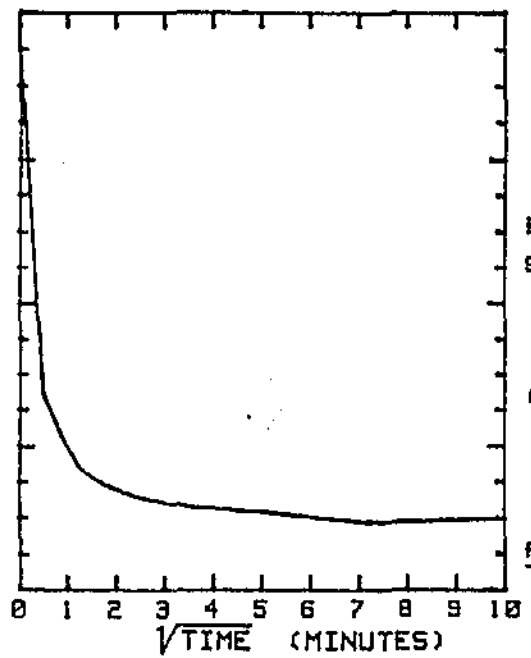
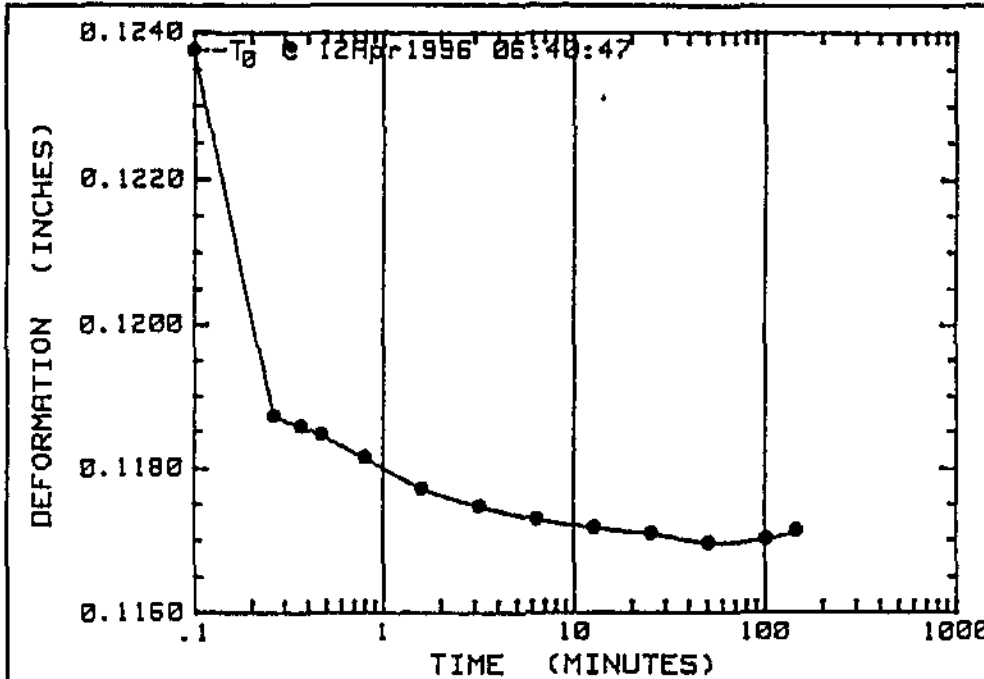




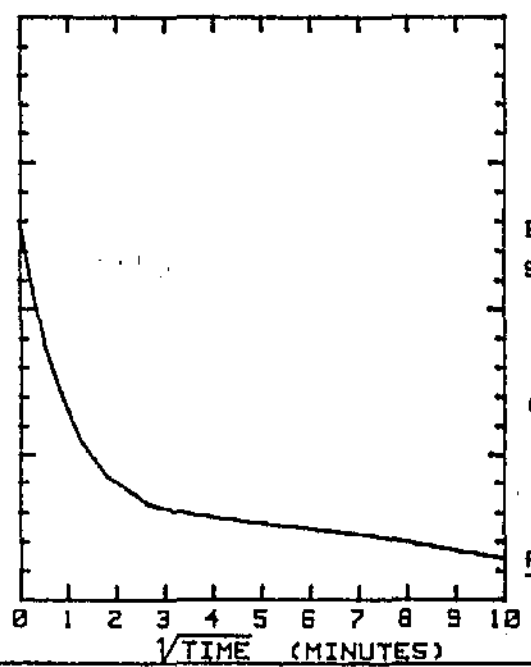
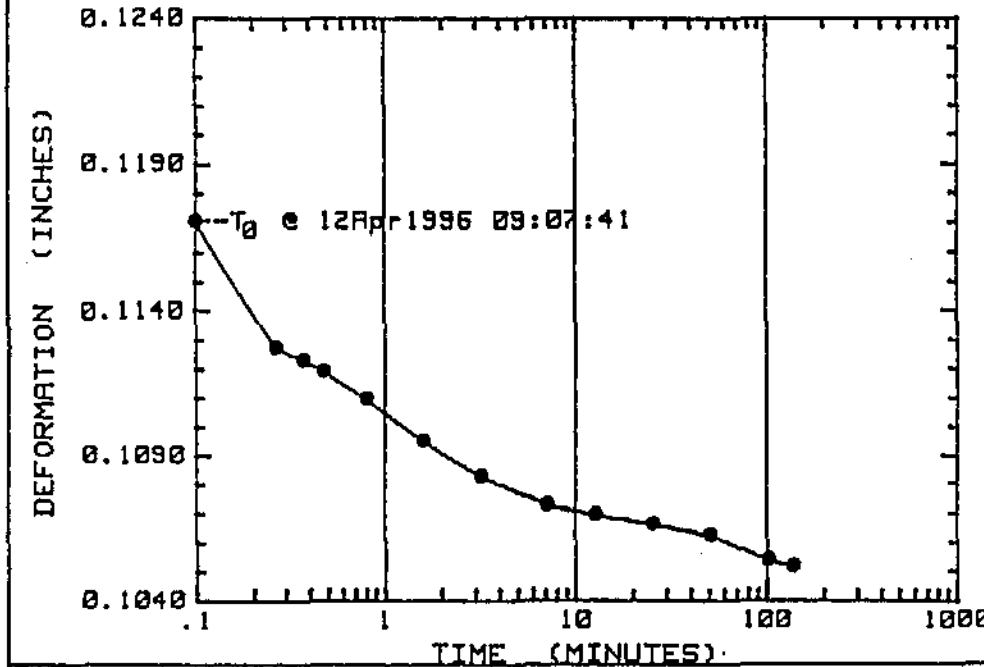
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # B
 DEPTH :20.0'
 (SUBTRACT A CORRECTION
 OF 0.0029"
 FROM EACH READING)
 PRESSURE: 31100 PSF



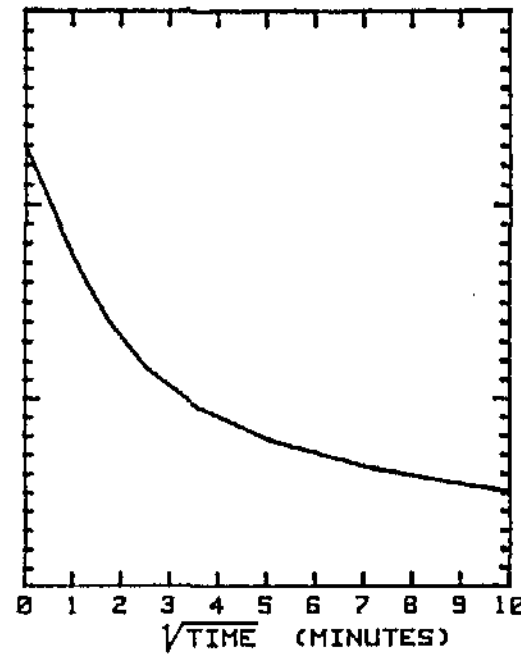
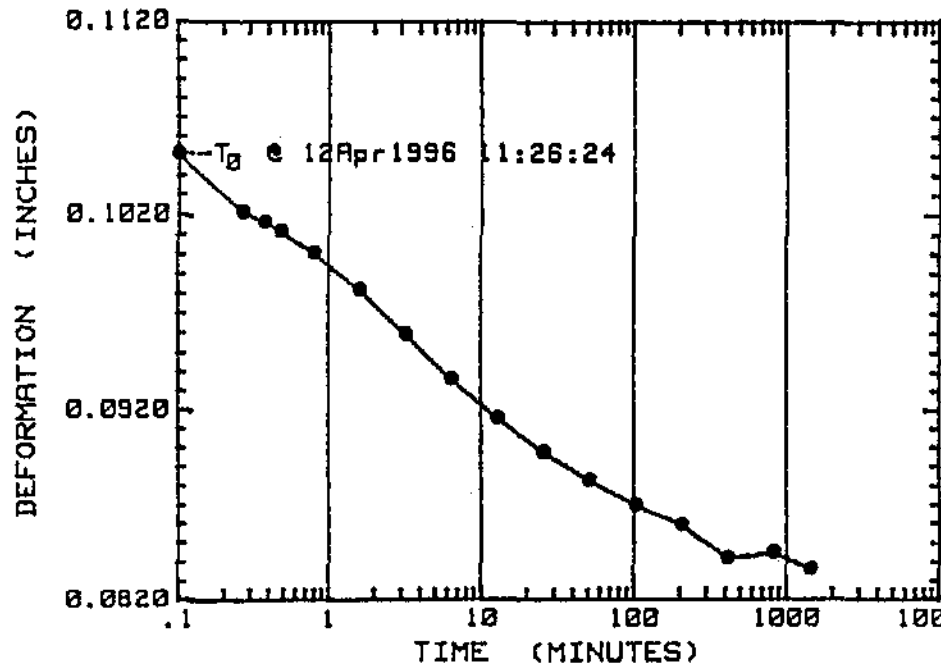
NO #A27153
 BORING #I-3
 SAMPLE #
 PART # B
 DEPTH :20.0'
 (SUBTRACT A CORRECTION
 OF 0.0030"
 FROM EACH READING)
 PRESSURE: 63200 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :20.0'
 (SUBTRACT A CORRECTION
 OF 0.0024"
 FROM EACH READING)
 PRESSURE: 15100 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH :20.0'
 (SUBTRACT A CORRECTION
 OF 0.0014"
 FROM EACH READING)
 PRESSURE: 4210 PSF



NO #A27153
 BORING #I-3
 SAMPLE #
 PART # 8
 DEPTH : 20.0'
 (SUBTRACT A CORRECTION
 OF 0.0008"
 FROM EACH READING)
 PRESSURE: 1010 PSF

PROJECT : LIBERTY

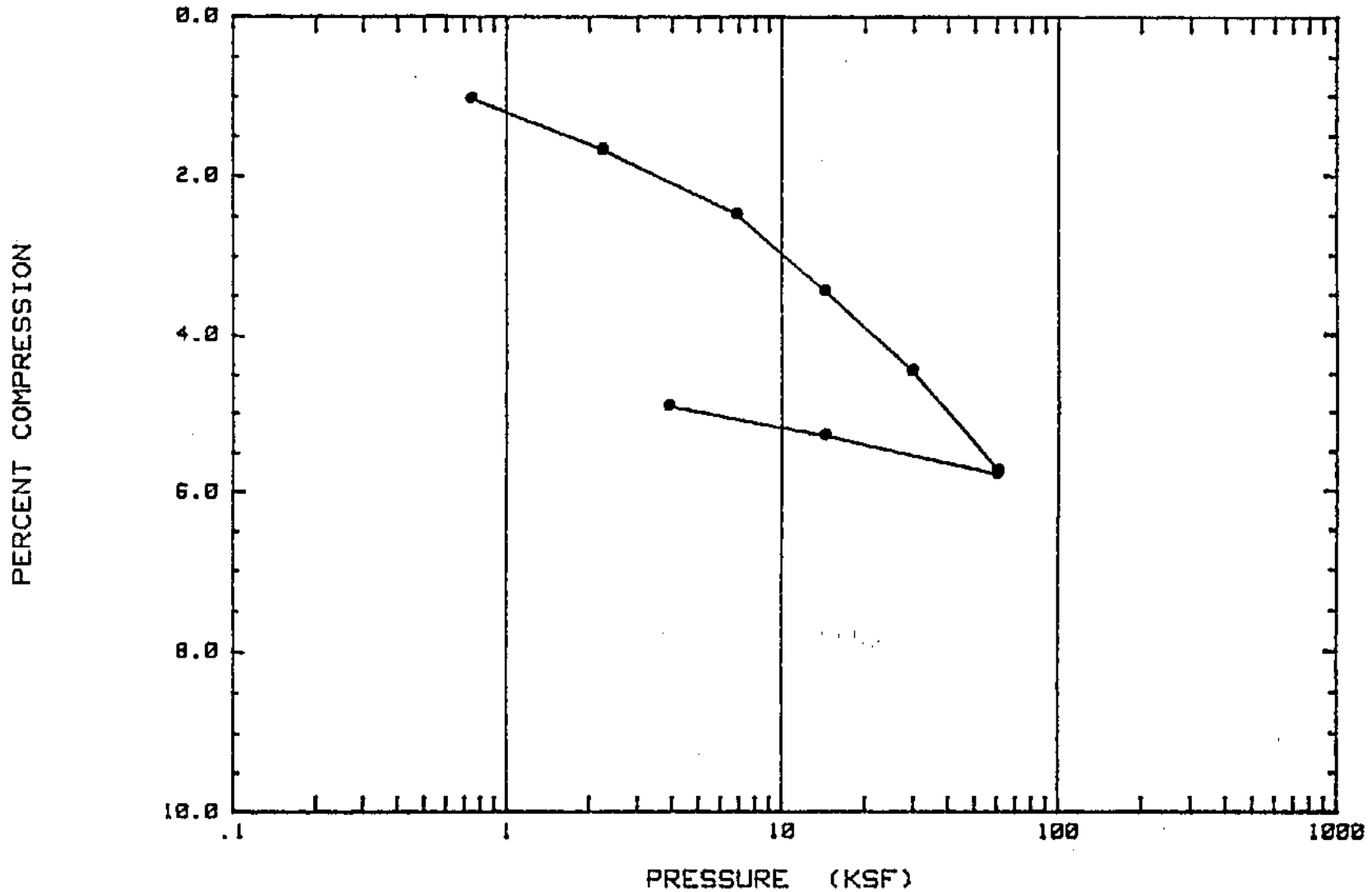
CLIENT : DUANE MILLER

BORING # I-4

DEPTH: 2.0'

SAMPLE #

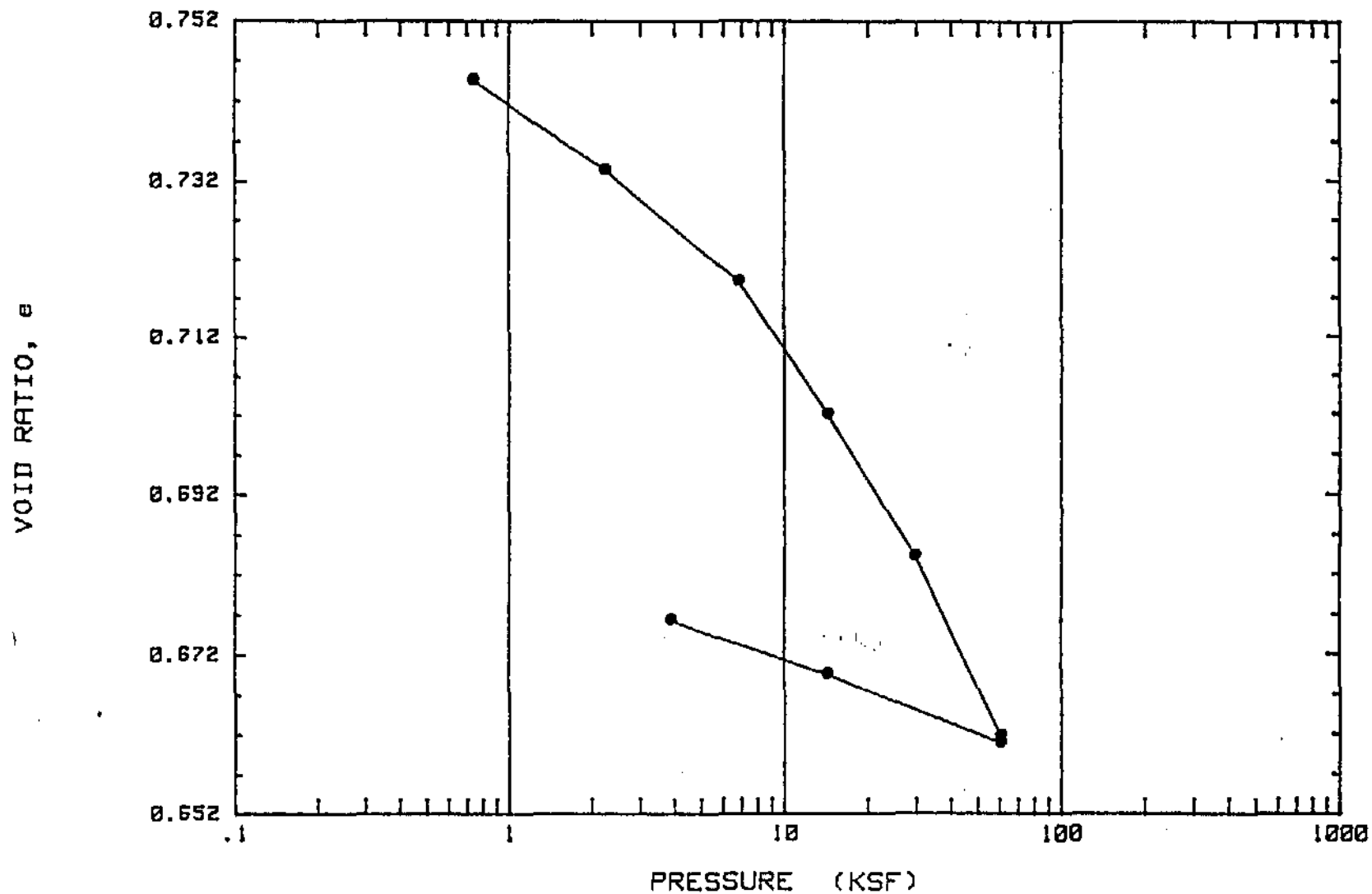
LABORATORY # C97038

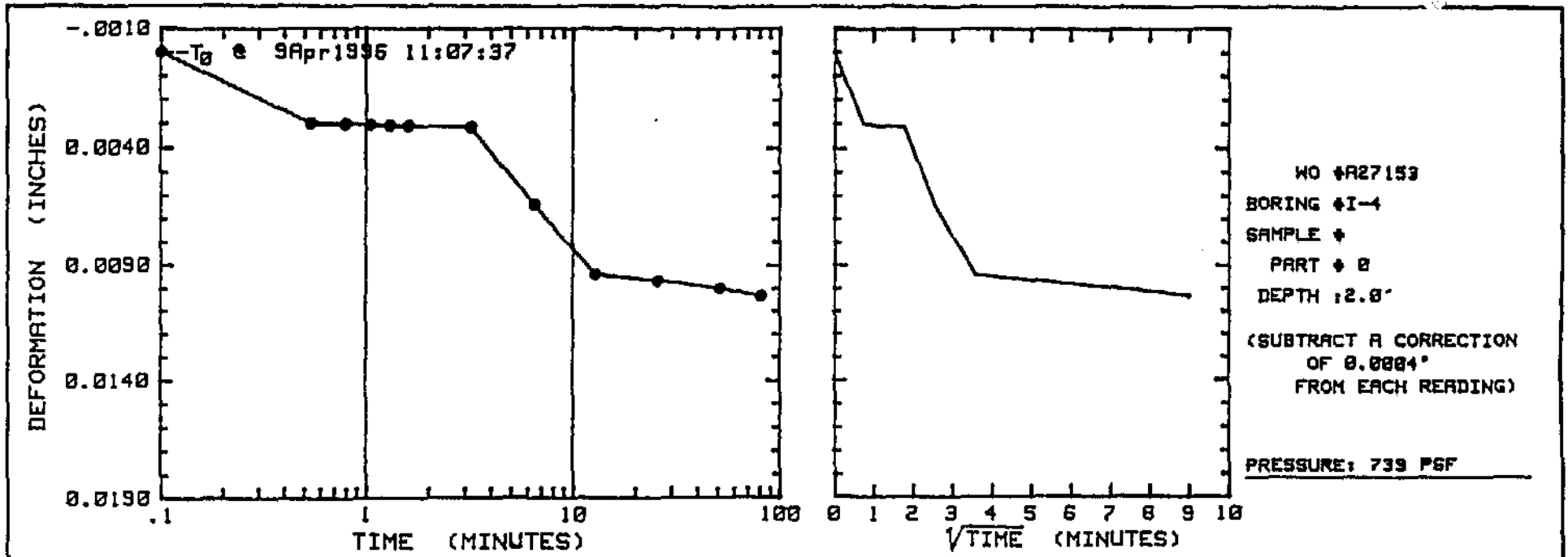


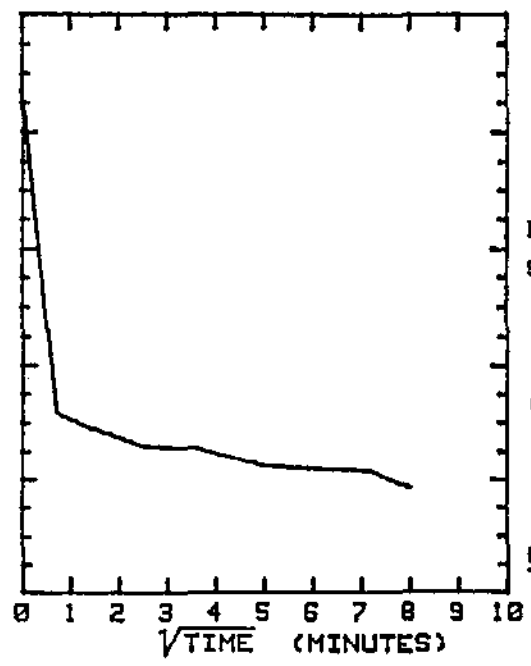
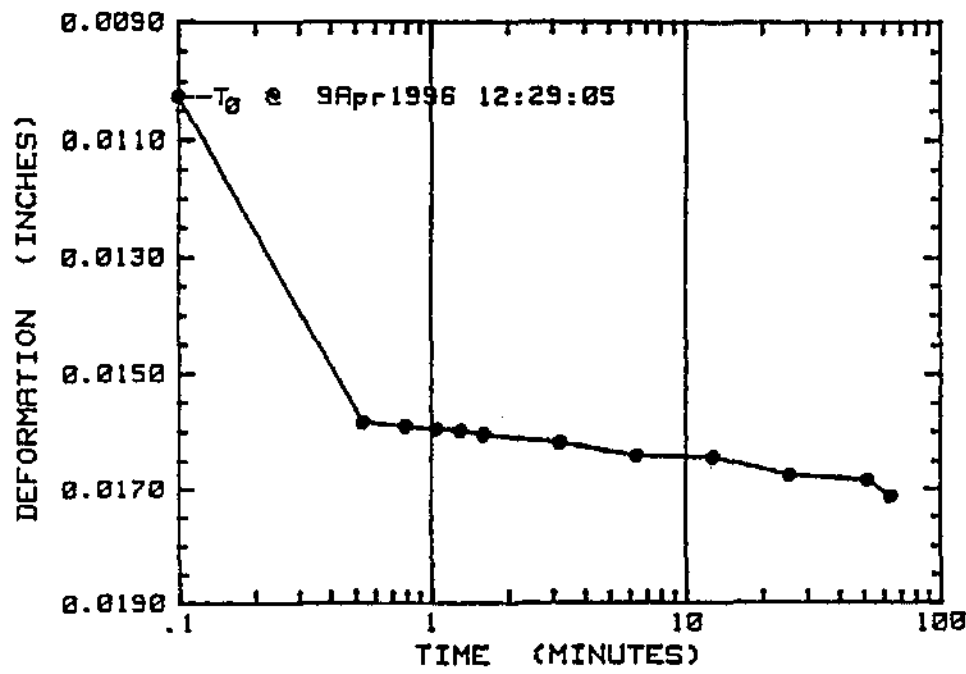
PROJECT : LIBERTY
BORING # I-4
SAMPLE #

DEPTH: 2.0'

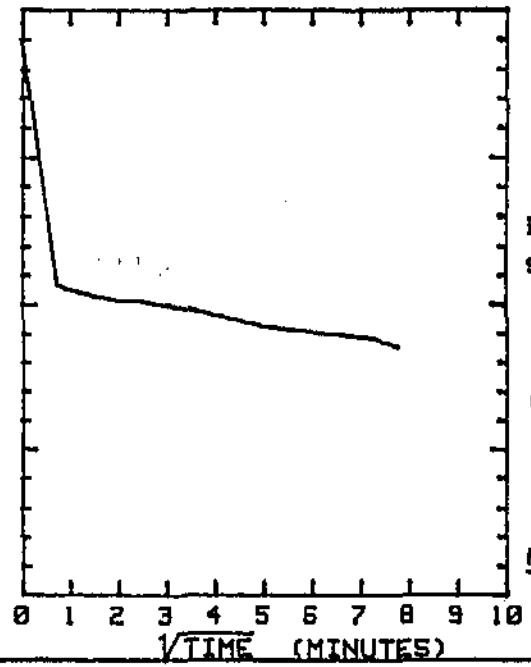
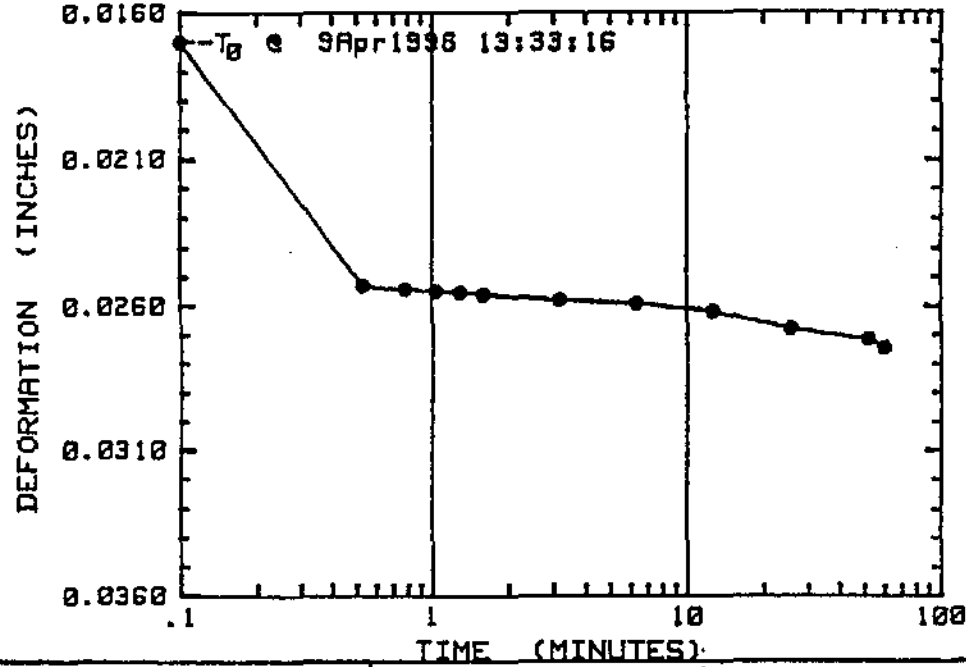
CLIENT : DUANE MILLER
 $e_g = 0.763$
LABORATORY # C97038



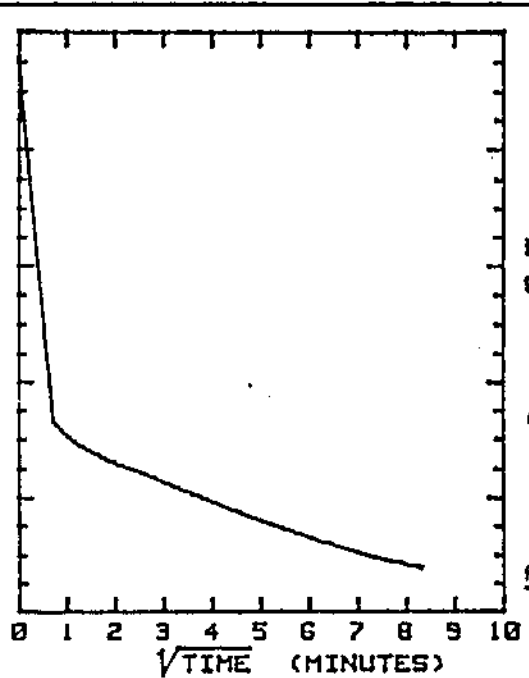
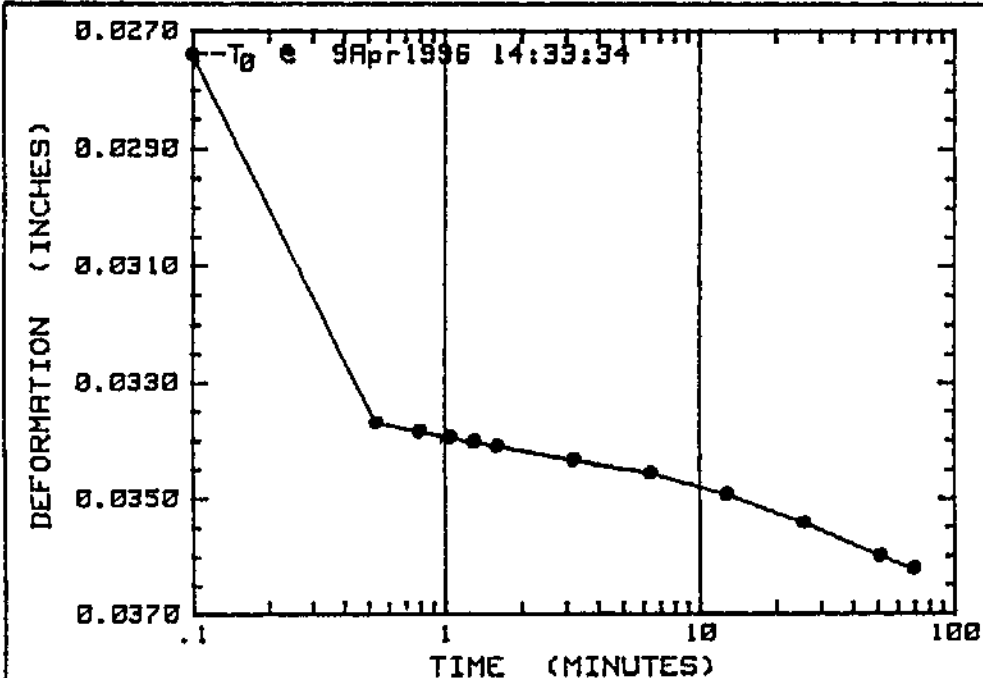




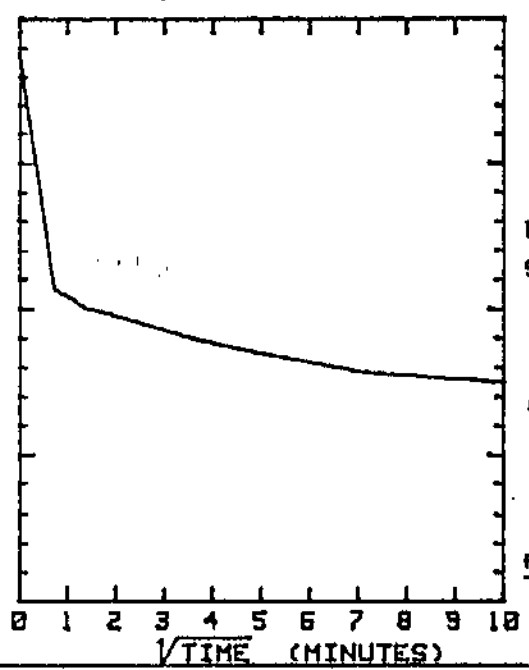
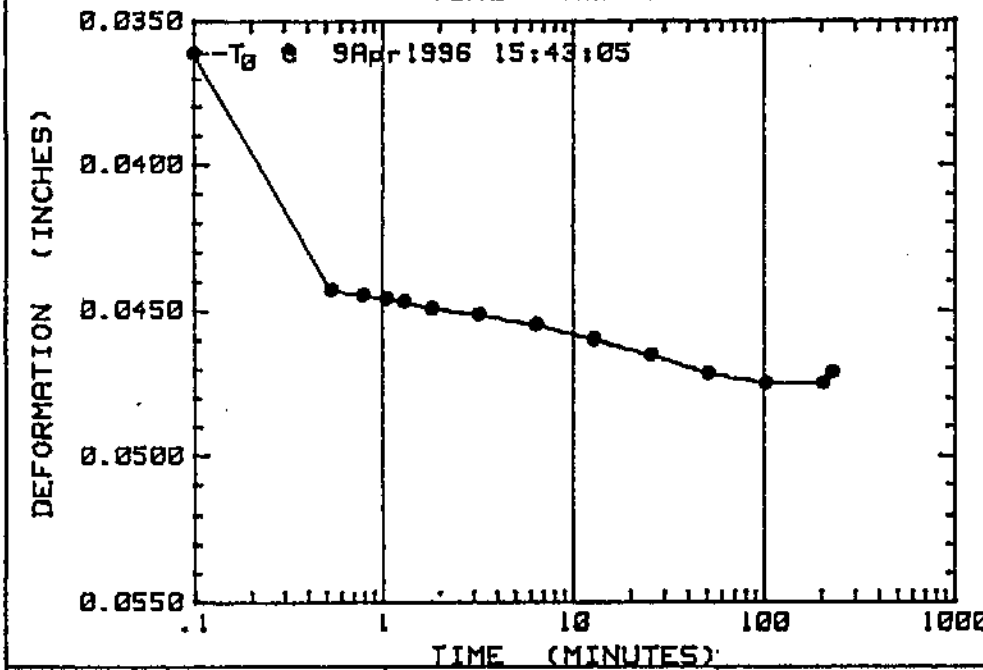
NO #A27153
BORING #I-4
SAMPLE #
PART # 8
DEPTH 12.8'
(SUBTRACT A CORRECTION
OF 0.0027"
FROM EACH READING)
PRESSURE: 2230 PSF



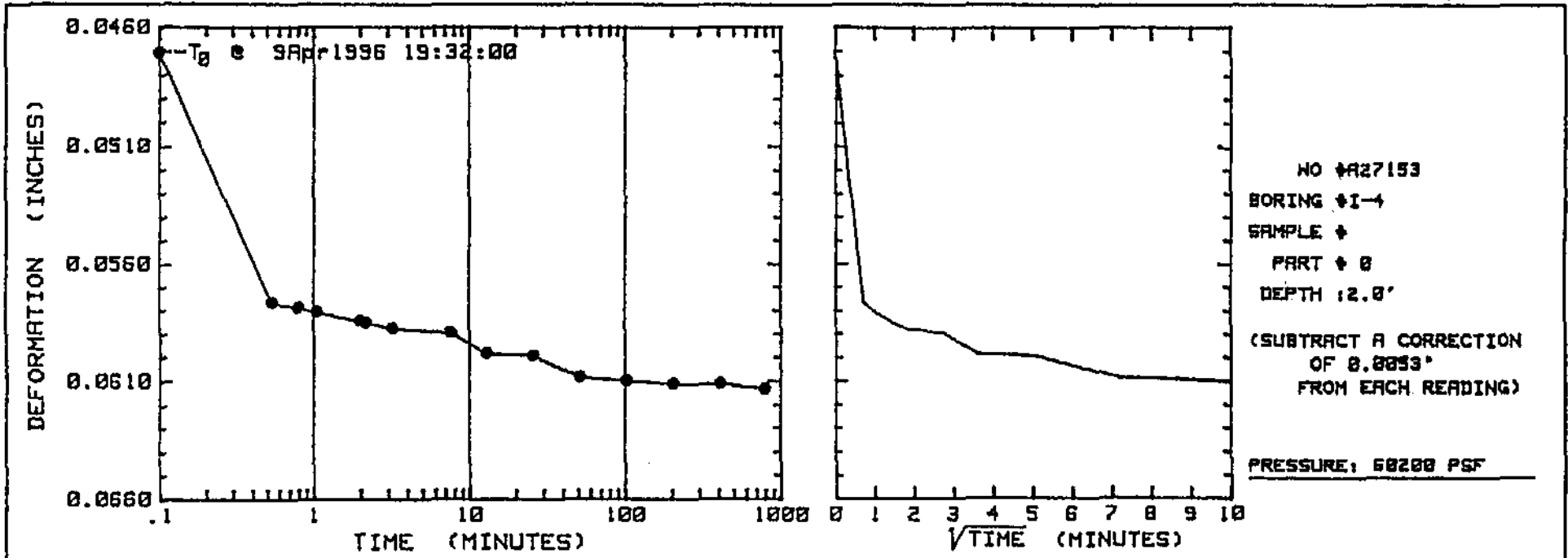
NO #A27153
BORING #I-4
SAMPLE #
PART # 8
DEPTH 12.8'
(SUBTRACT A CORRECTION
OF 0.0018"
FROM EACH READING)
PRESSURE: 6840 PSF



NO #A27153
 BORING #I-4
 SAMPLE #
 PART # B
 DEPTH : 2.8'
 (SUBTRACT A CORRECTION
 OF 0.0027"
 FROM EACH READING)
 PRESSURE: 14300 PSF



NO #A27153
 BORING #I-4
 SAMPLE #
 PART # B
 DEPTH : 2.8'
 (SUBTRACT A CORRECTION
 OF 0.0037"
 FROM EACH READING)
 PRESSURE: 29600 PSF



PROJECT : LIBERTY

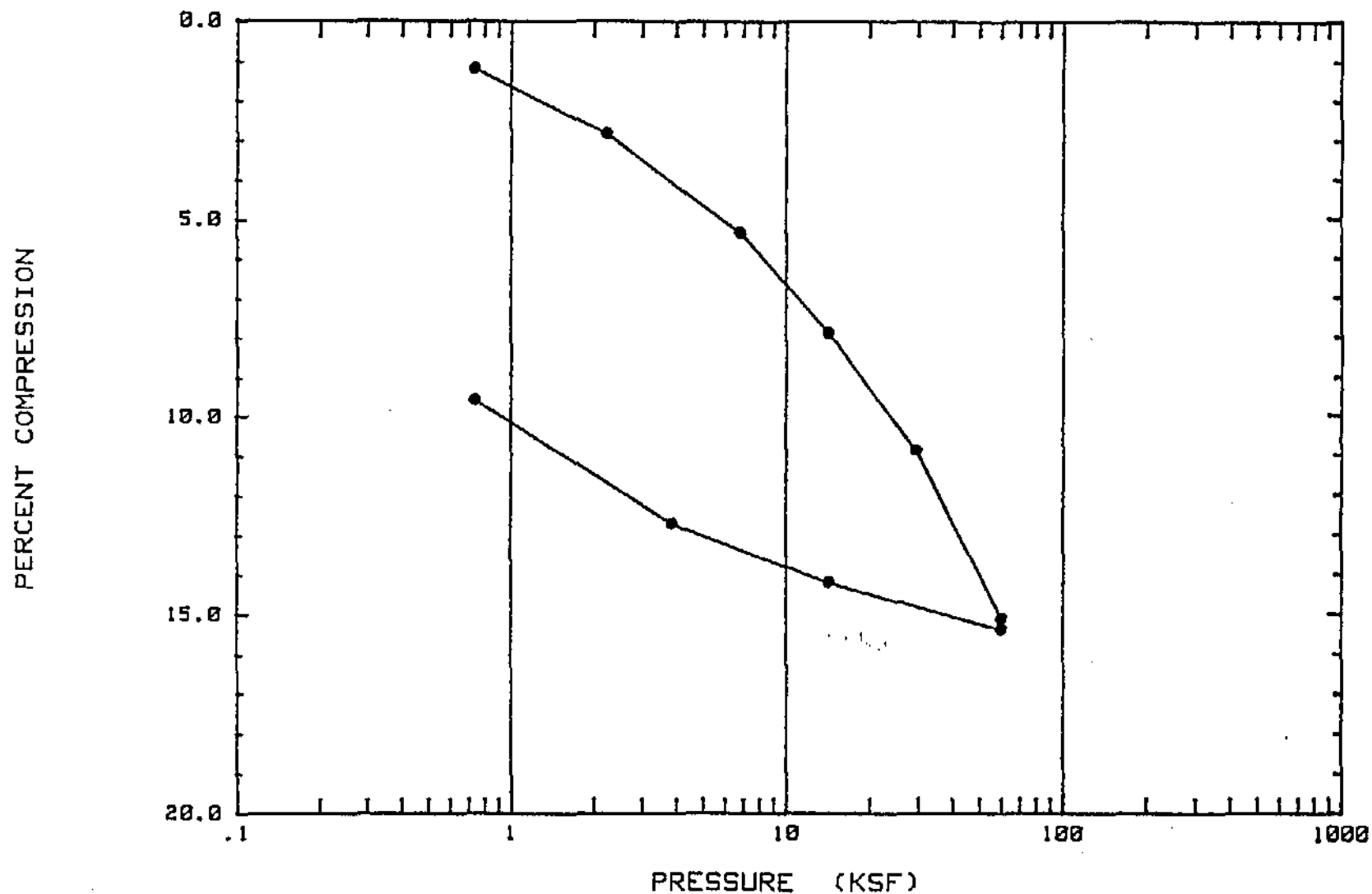
CLIENT : DUANE MILLER

BORING # I-4

DEPTH: 22'

SAMPLE #

LABORATORY # C97053



PROJECT : LIBERTY

CLIENT : DUANE MILLER

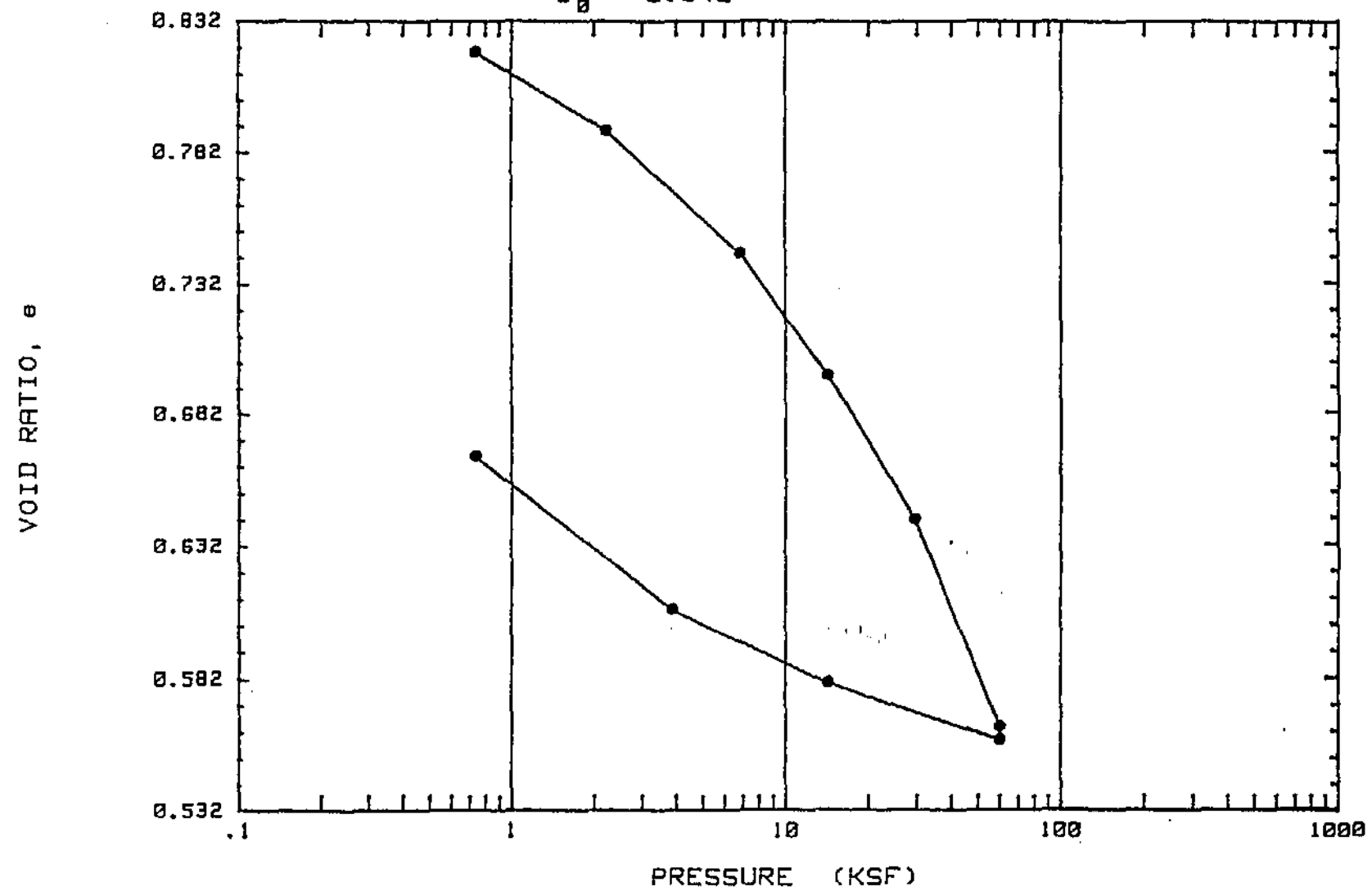
BORING # I-4

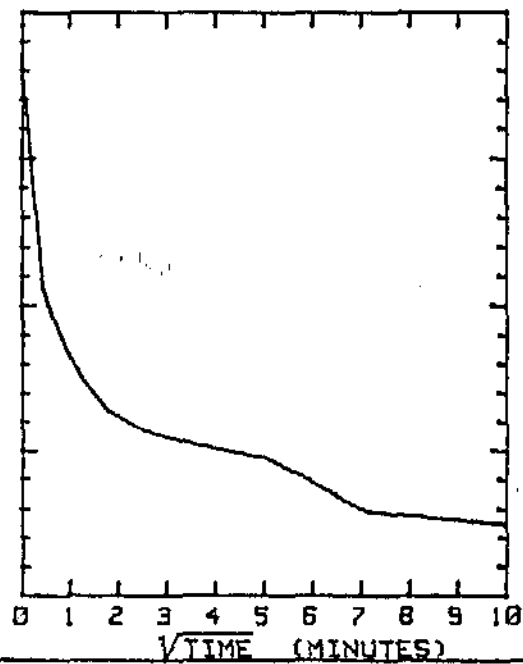
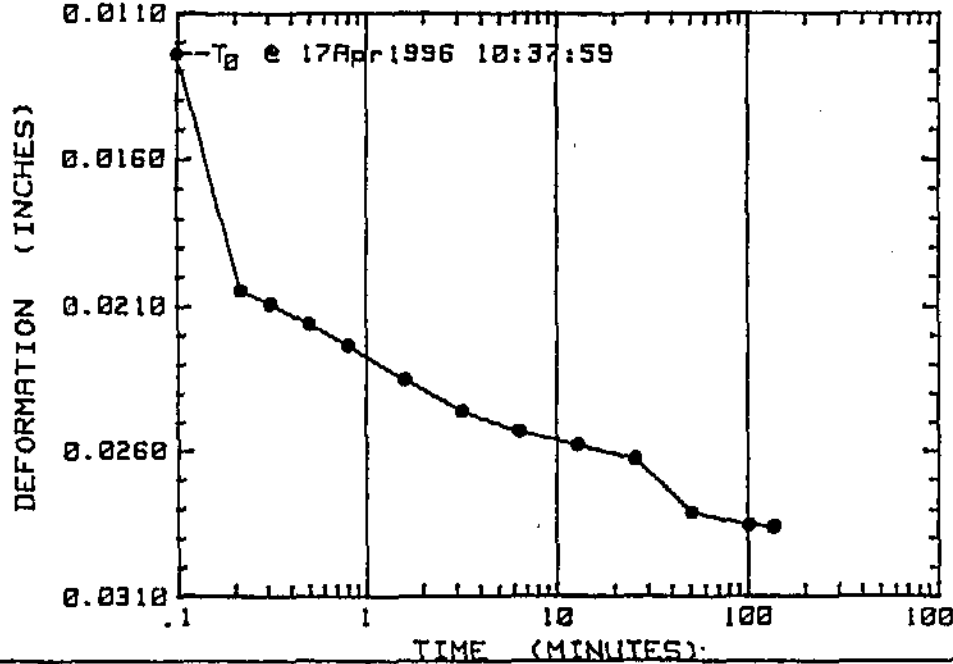
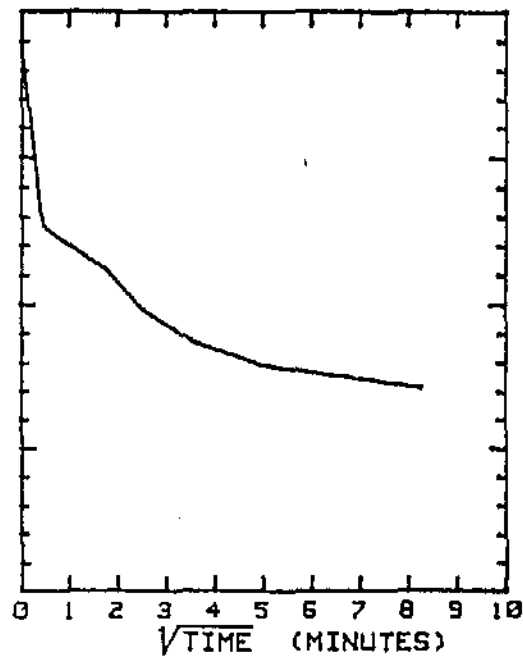
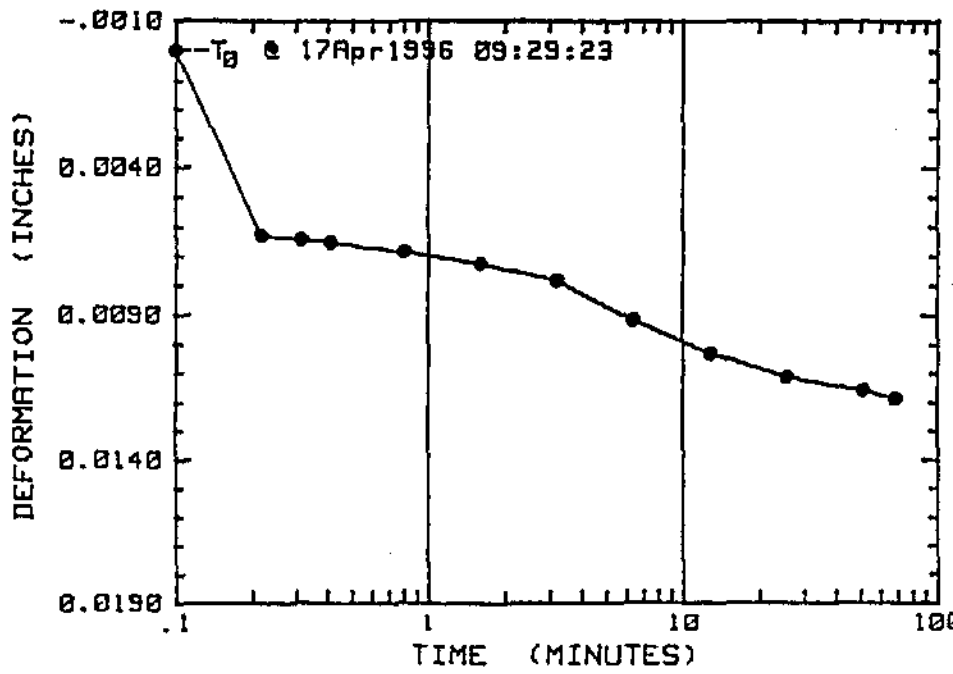
DEPTH: 22'

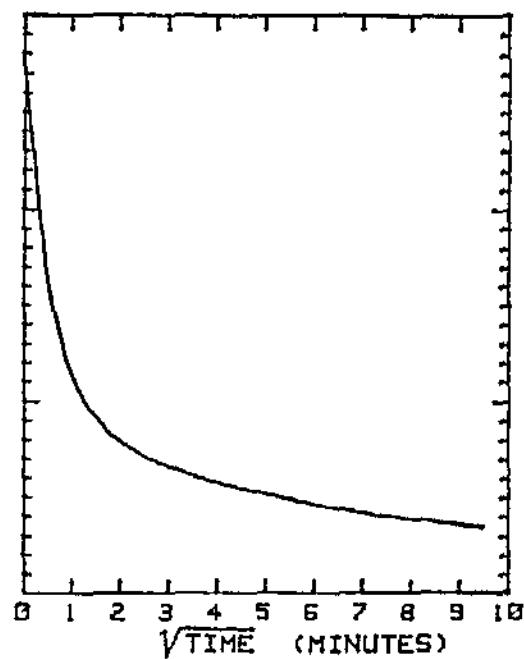
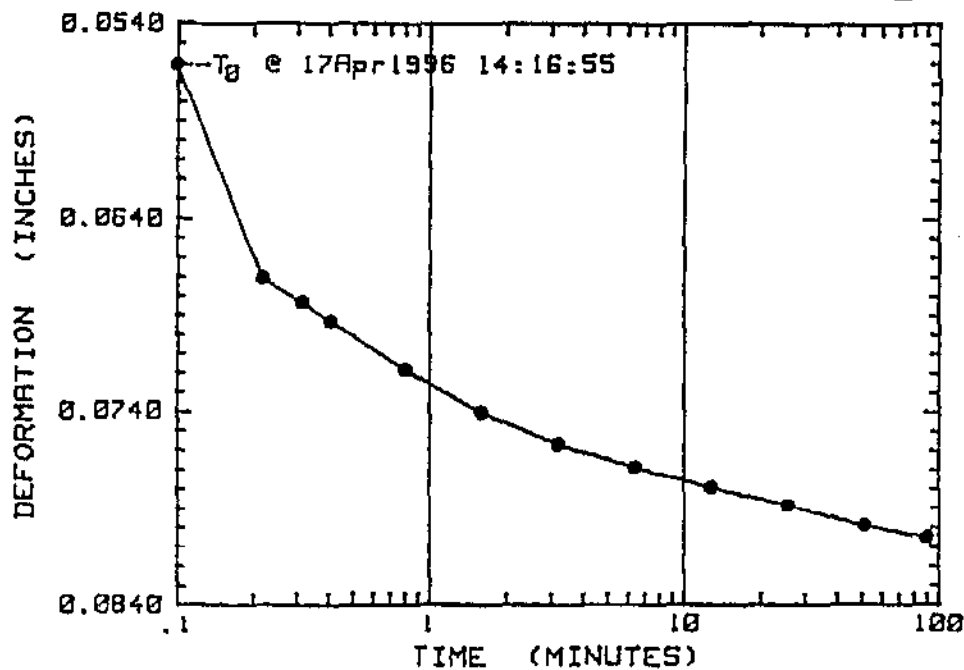
LABORATORY # C97053

SAMPLE #

$e_0 = 0.842$



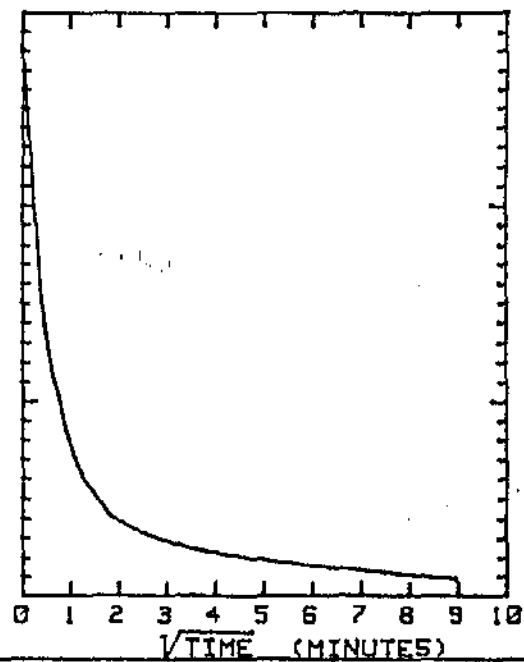
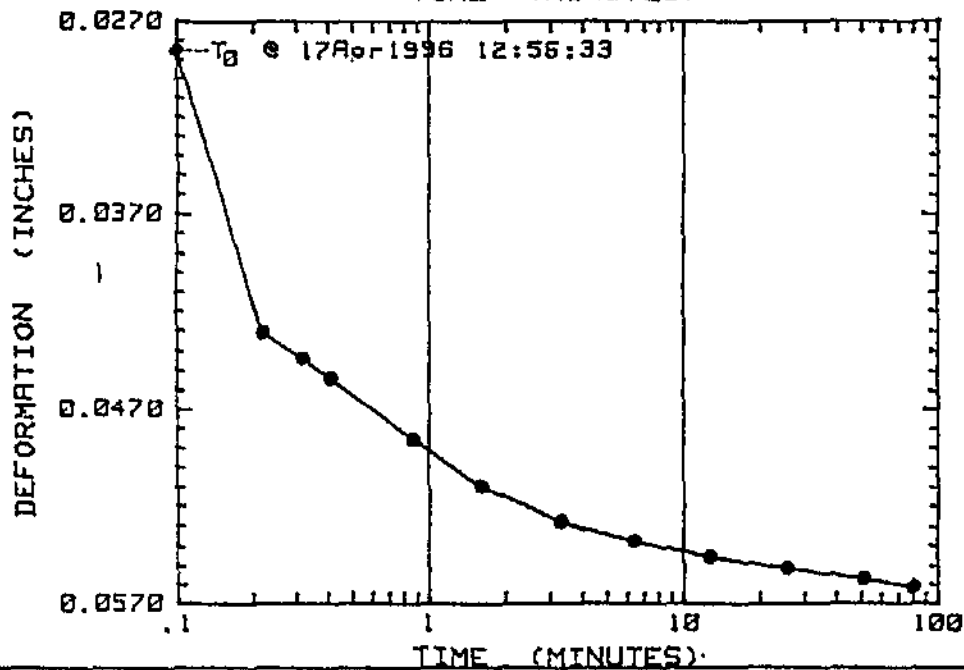




NO #A27153
BORING #I-4
SAMPLE #
PART # B
DEPTH : 22'

(SUBTRACT A CORRECTION
OF 0.0027"
FROM EACH READING)

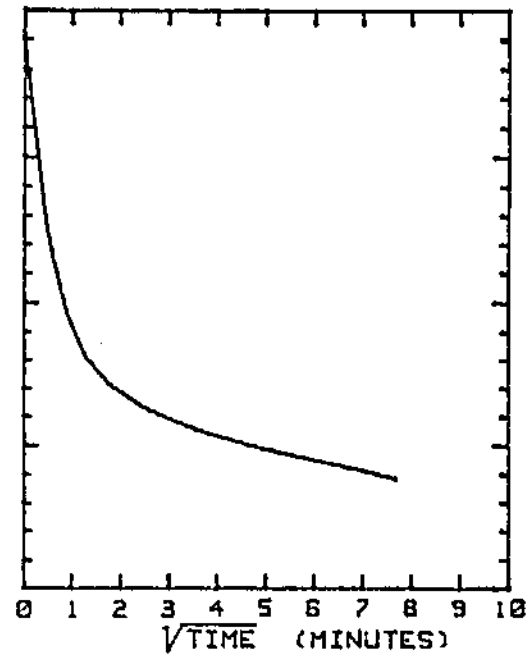
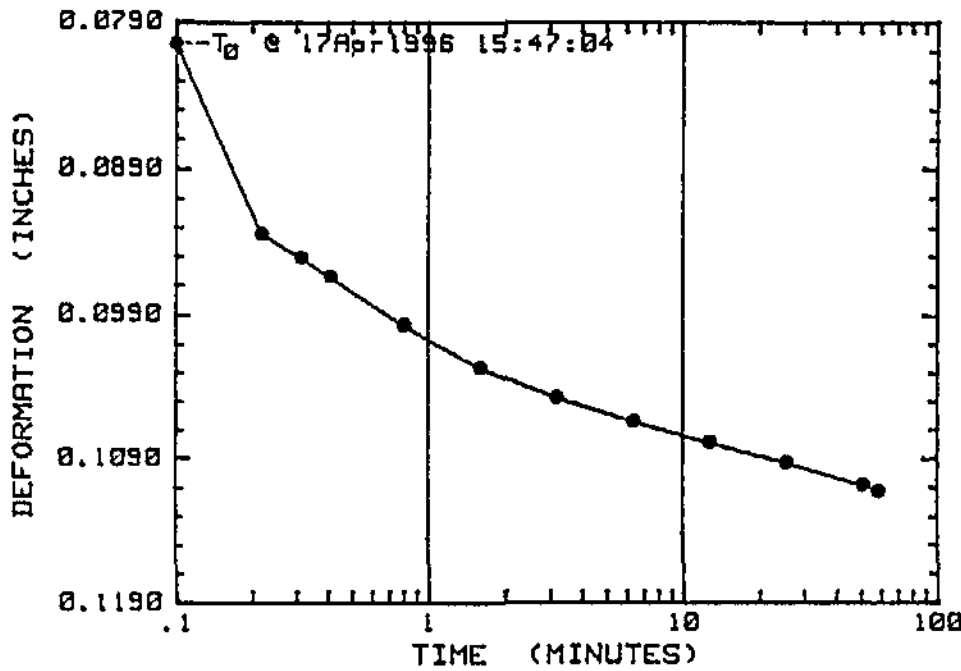
PRESSURE: 14300 PSF



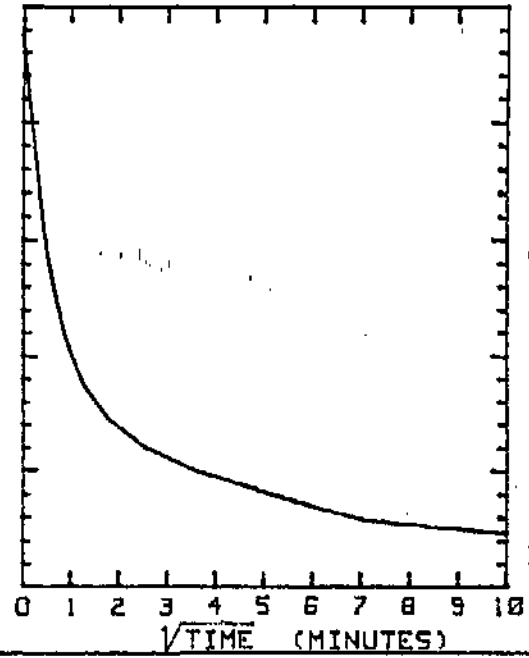
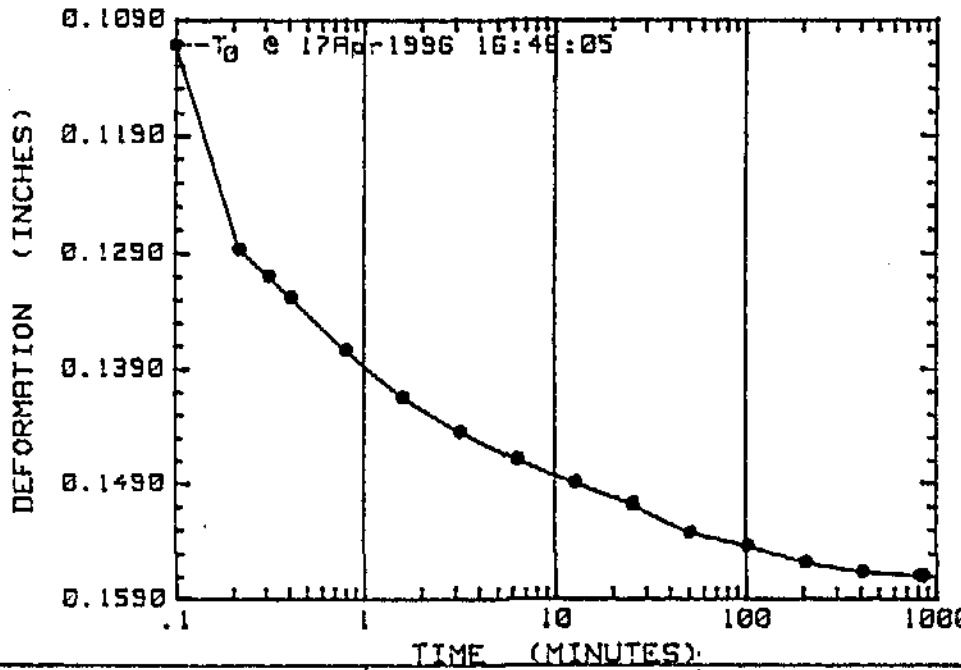
NO #A27153
BORING #I-4
SAMPLE #
PART # B
DEPTH : 22'

(SUBTRACT A CORRECTION
OF 0.0018"
FROM EACH READING)

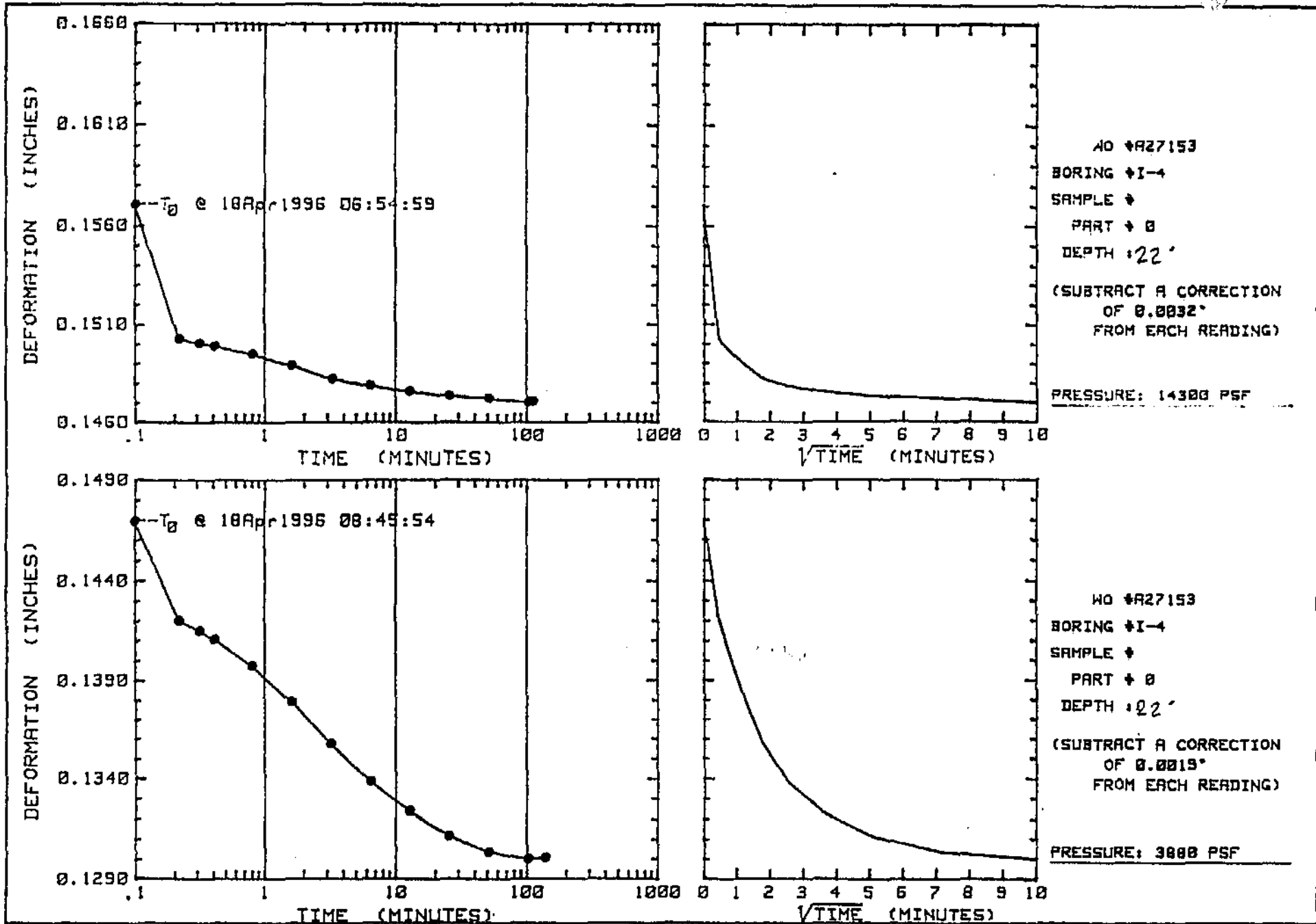
PRESSURE: 6840 PSF

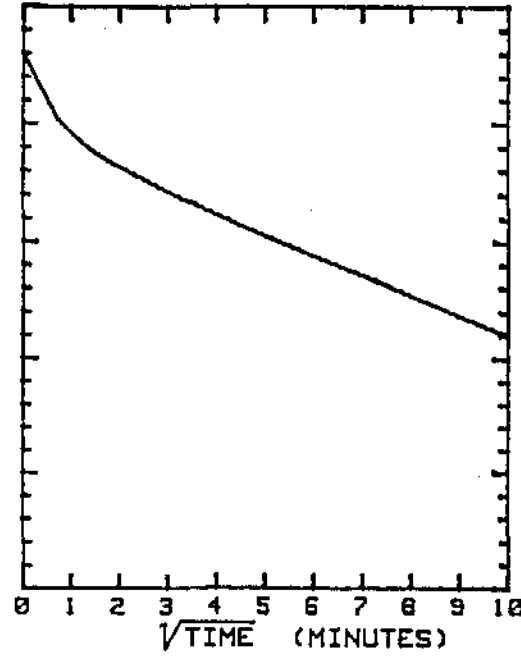
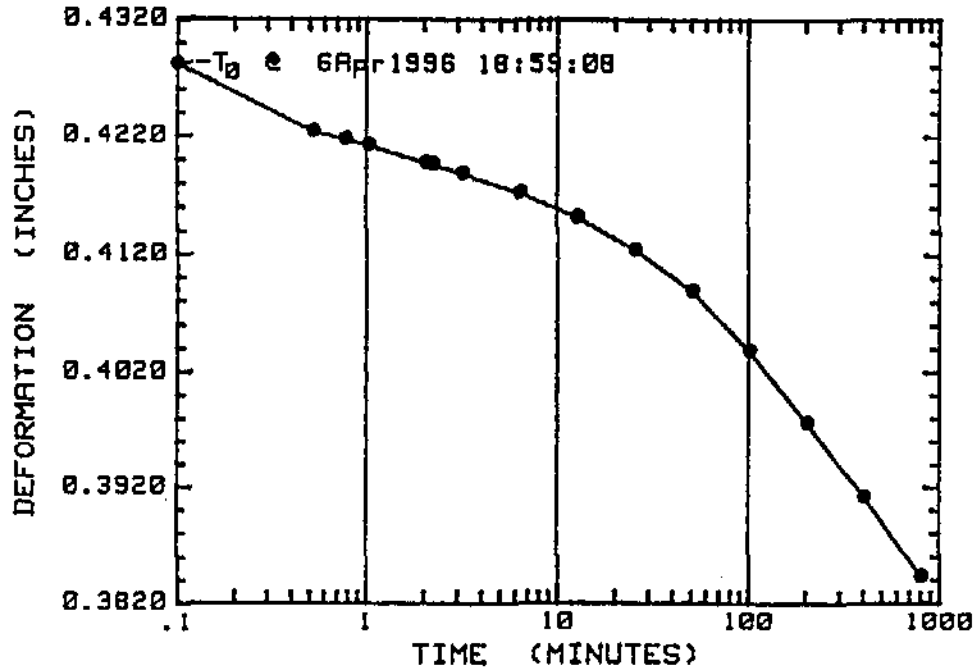


NO #A27153
BORING #I-4
SAMPLE #
PART # 0
DEPTH :
(SUBTRACT A CORRECTION
OF 0.0037"
FROM EACH READING)
PRESSURE: 29800 PSF

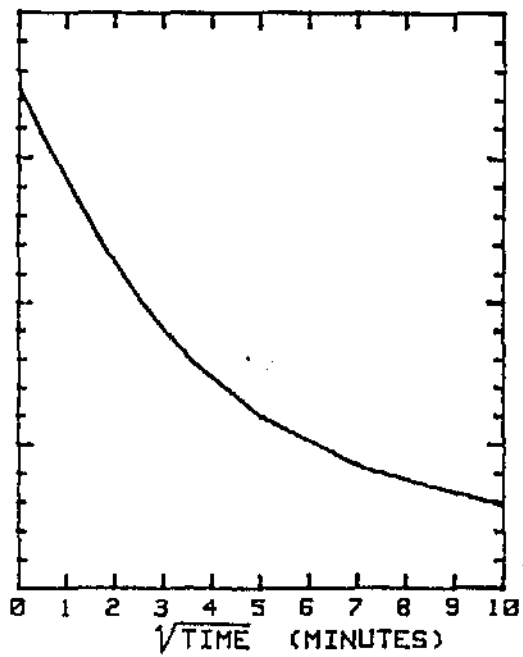
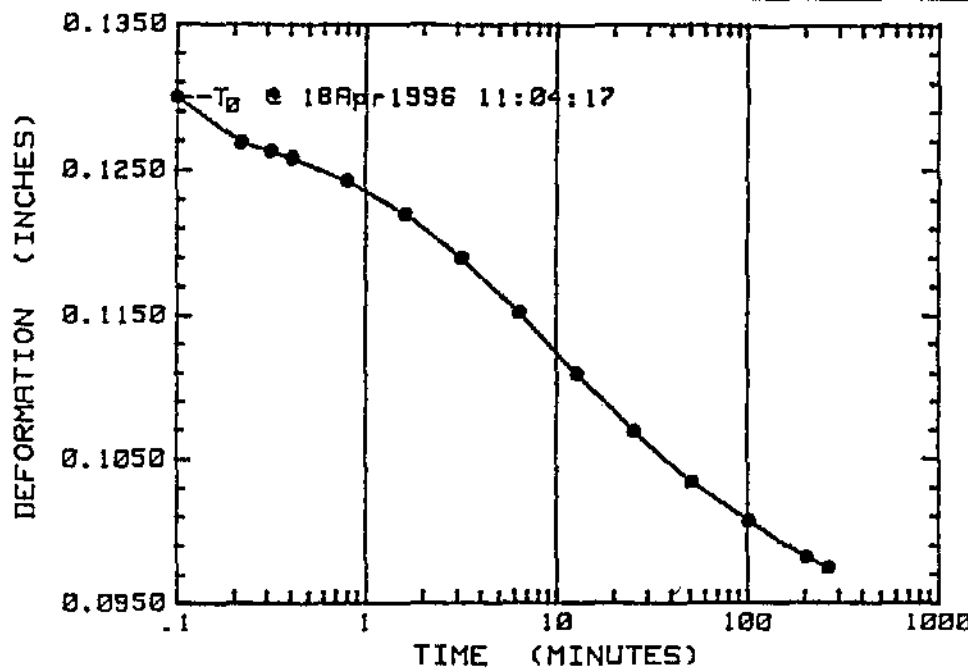


NO #A27153
BORING #I-4
SAMPLE #
PART # 0
DEPTH :
(SUBTRACT A CORRECTION
OF 0.0053"
FROM EACH READING)
PRESSURE: 60200 PSF





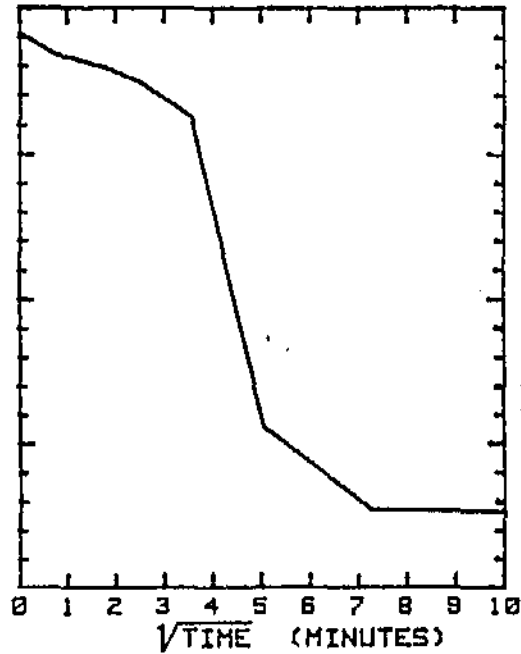
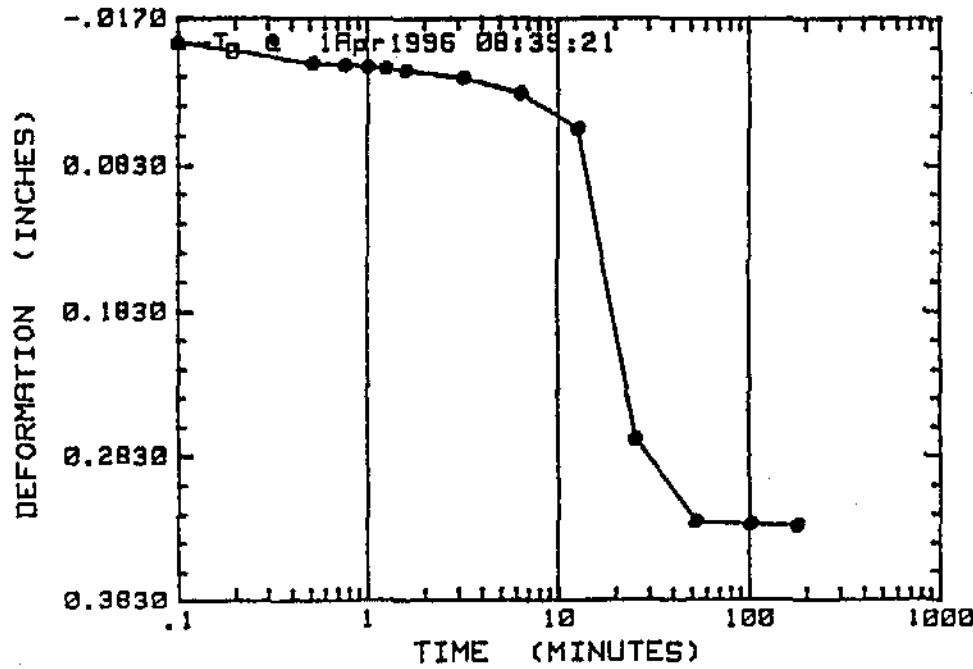
NO #A27153
BORING #I-1
SAMPLE #
PART # 8
DEPTH 13.0'
(SUBTRACT A CORRECTION
OF -0.0003 "
FROM EACH READING)
PRESSURE: 1100 PSF



NO #A27153
BORING #I-4
SAMPLE #
PART # 0
DEPTH : 22 '
(SUBTRACT A CORRECTION
OF 0.0010"
FROM EACH READING)
PRESSURE: 739 PSF

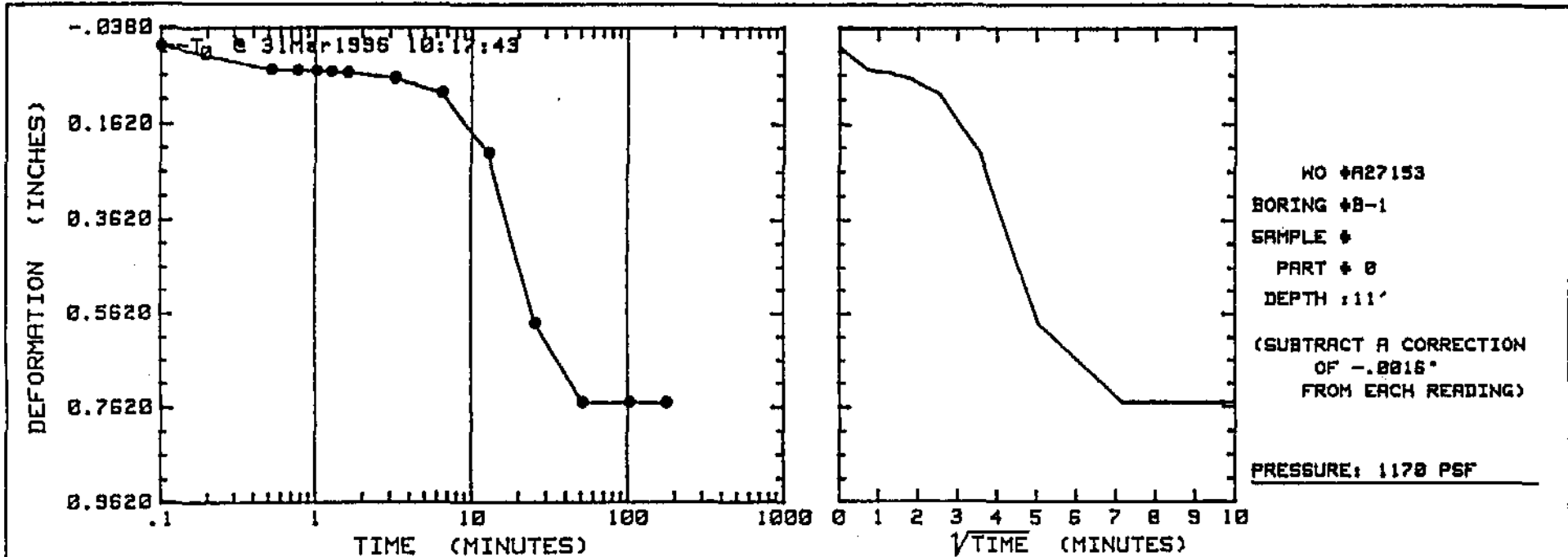
APPENDIX E

THAW STRAIN TESTS

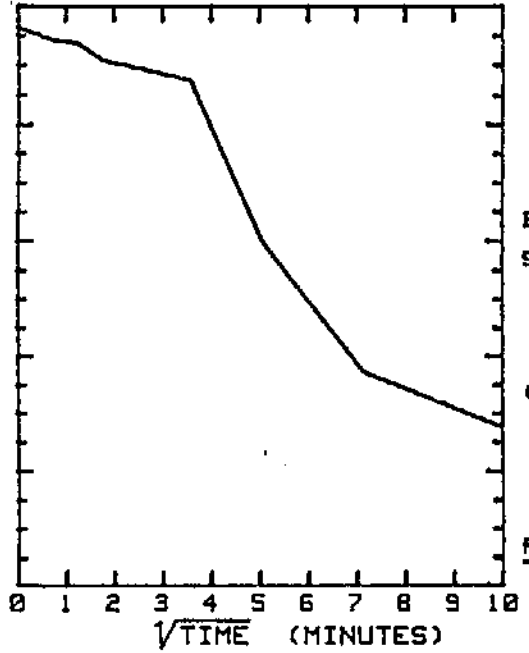
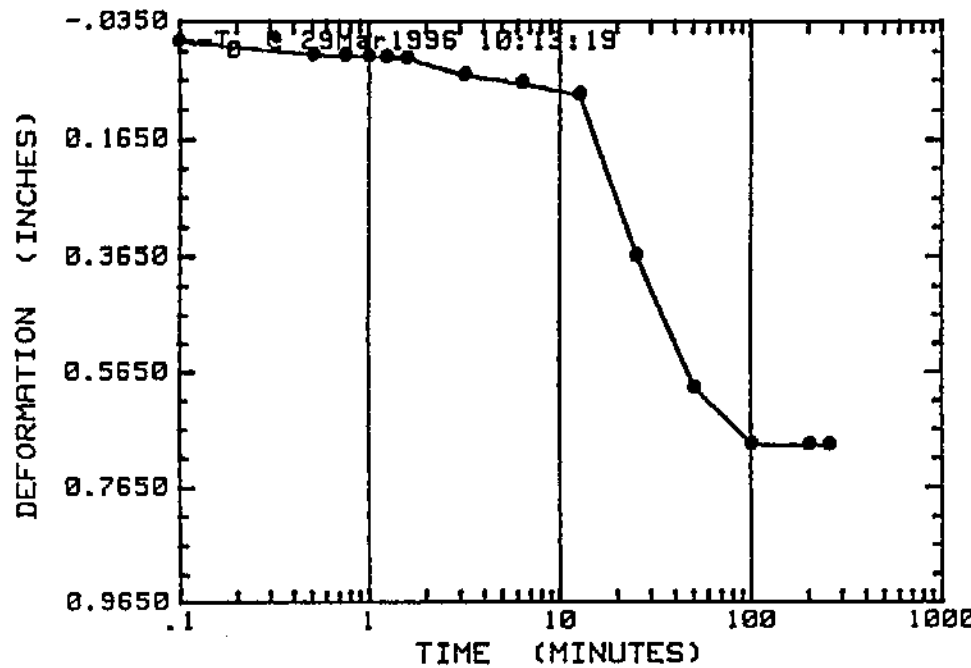


NO #A27153
 BORING #I-1
 SAMPLE #
 PART # B
 DEPTH : 65.5
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 4230 PSF

$H_c = 5.594''$

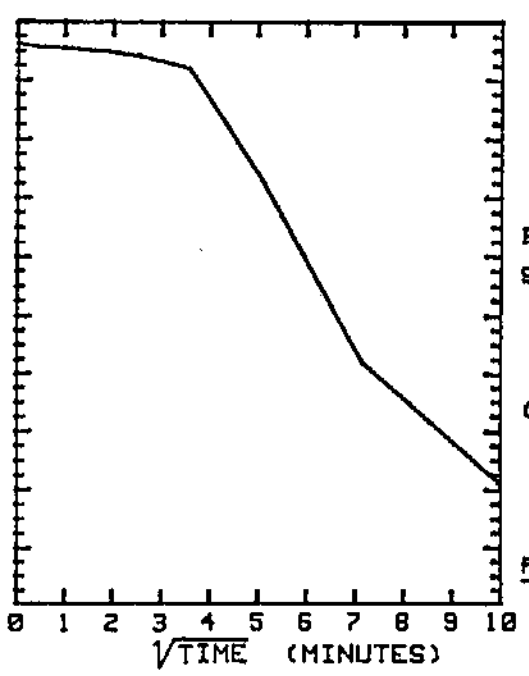
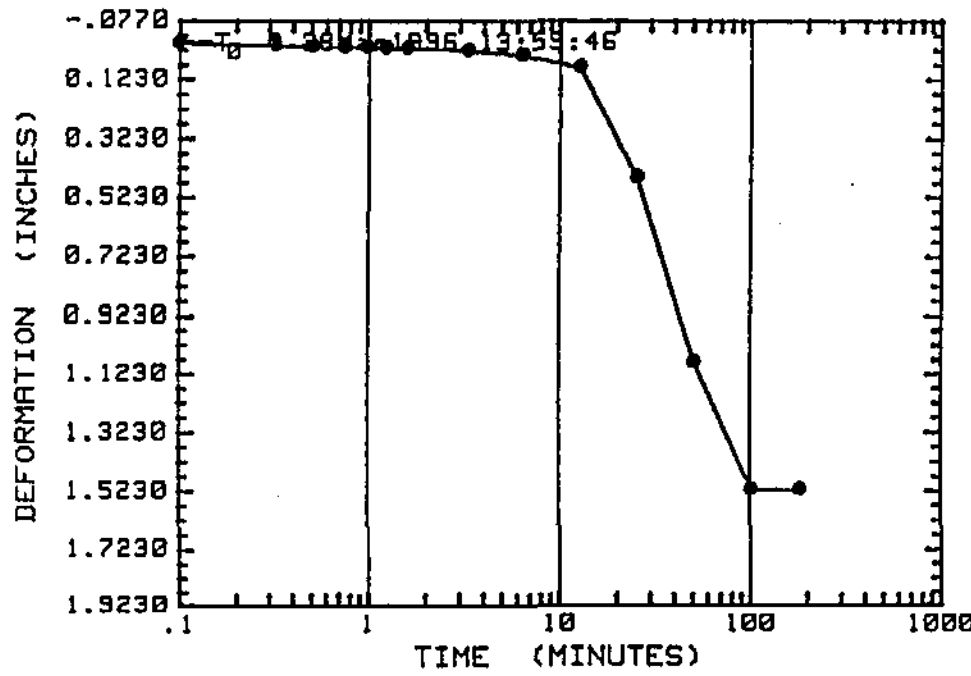


H_c = 5.28"



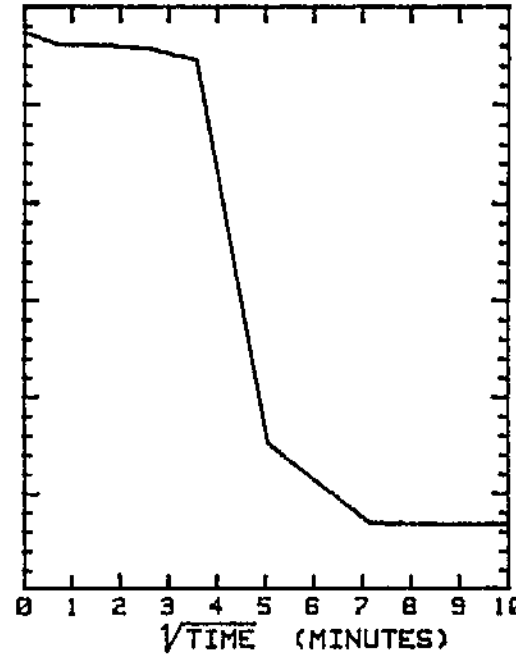
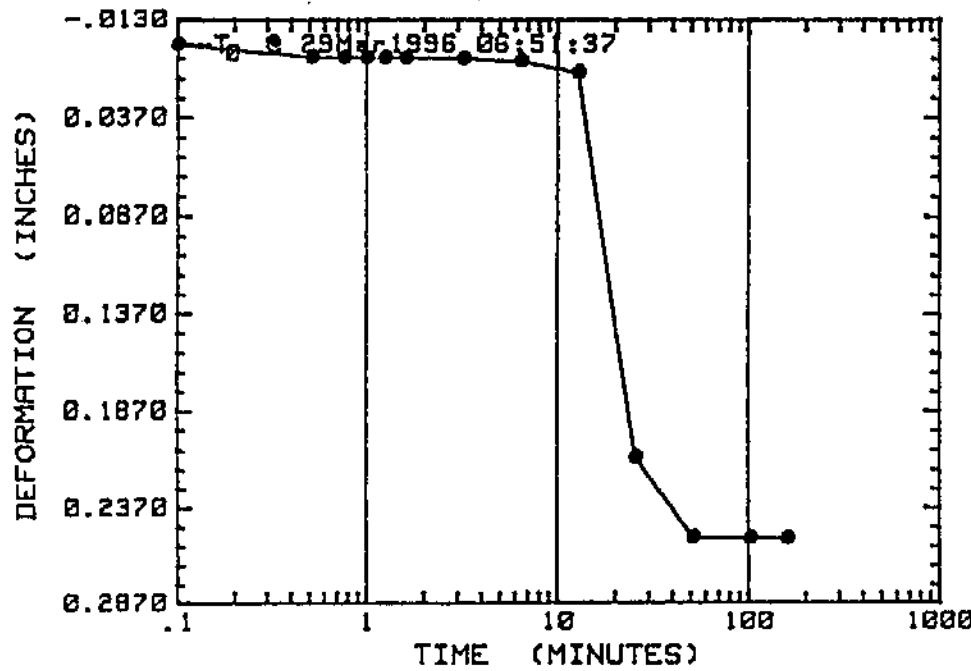
NO #A27153
 BORING #B1
 SAMPLE #
 PART # 8
 DEPTH :14.5
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 1120 PSF

H_c = 6.082"



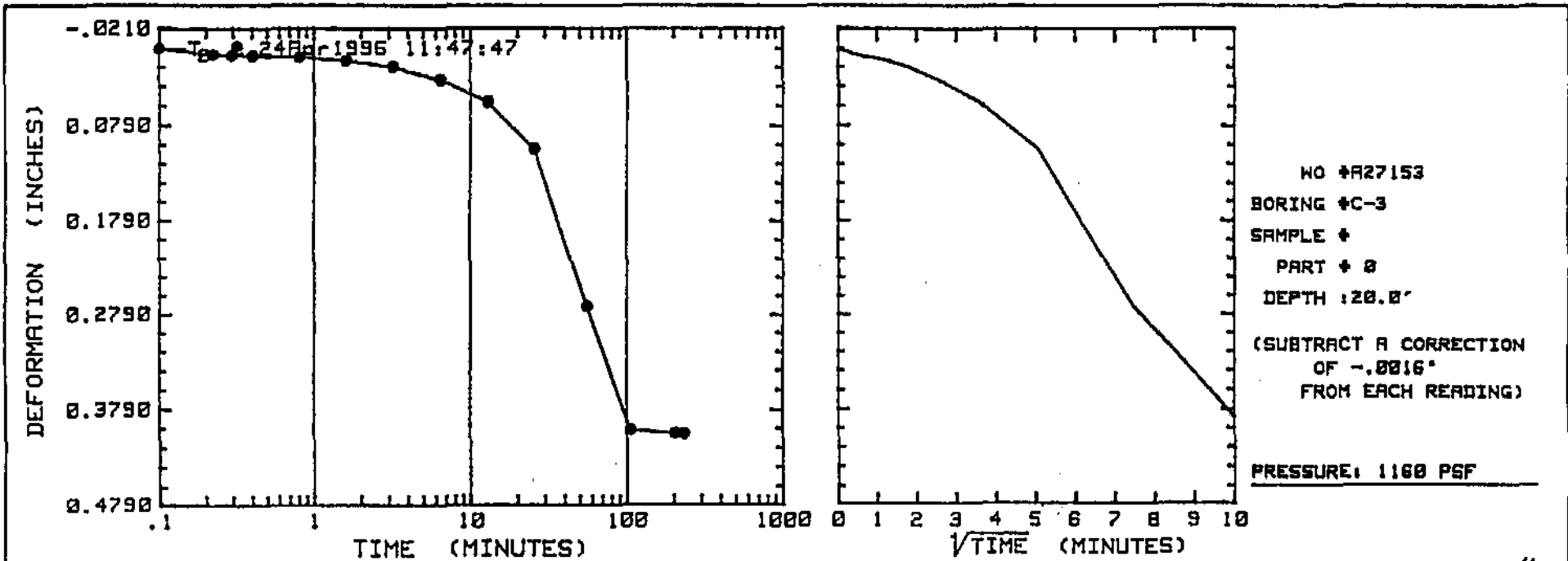
NO #A27153
 BORING #B1A
 SAMPLE #
 PART # 7
 DEPTH : 14'
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 1170 PSF

H_i = 5.978"

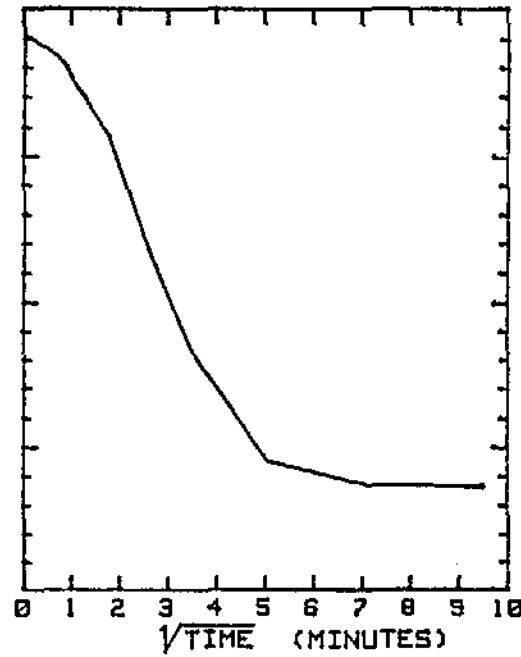
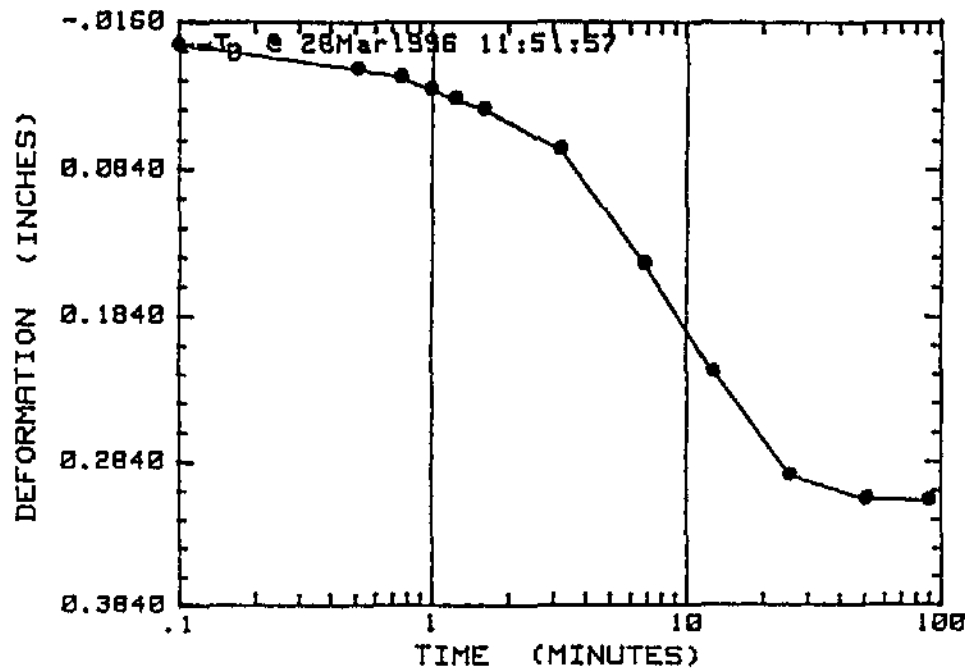


NO #A27153
 BORING #B2
 SAMPLE #
 PART # 0
 DEPTH :10.1'
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 1200 PSF

H_i = 5.998"

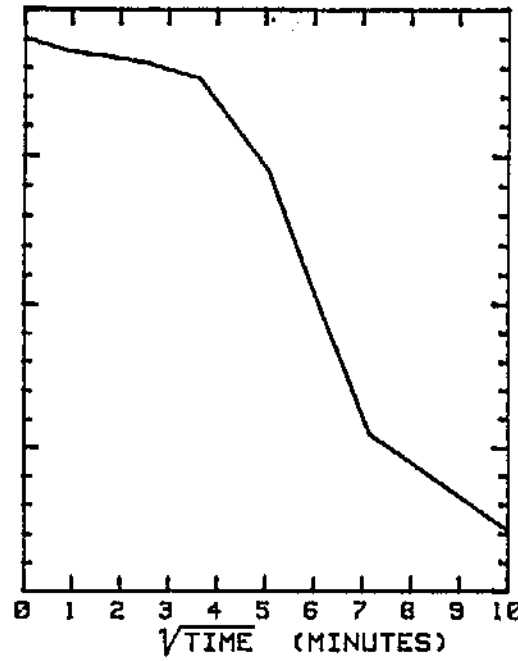
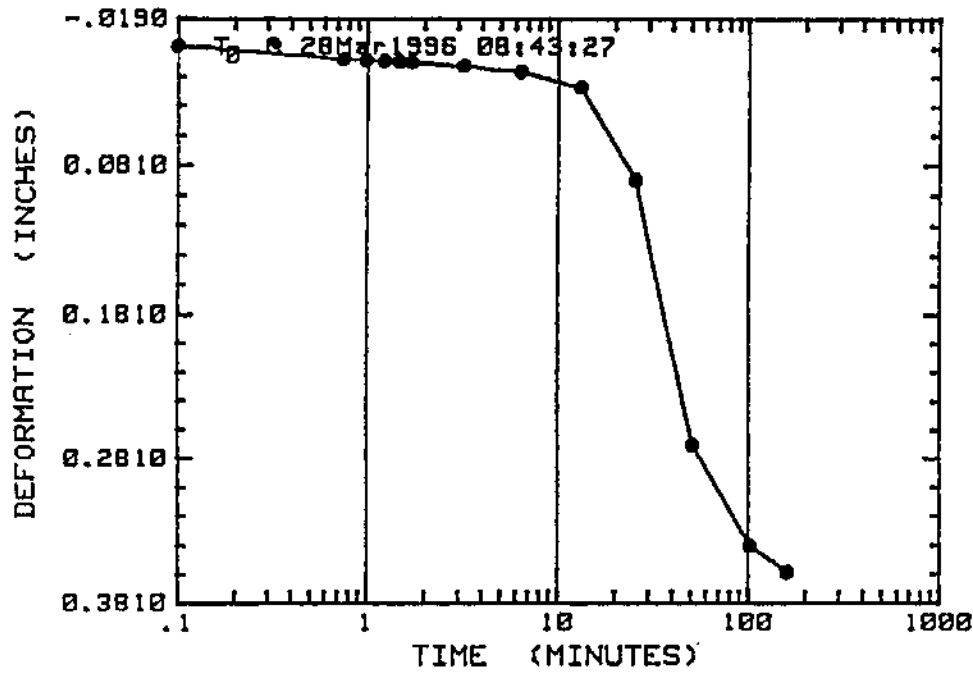


$H_c = 3.053''$



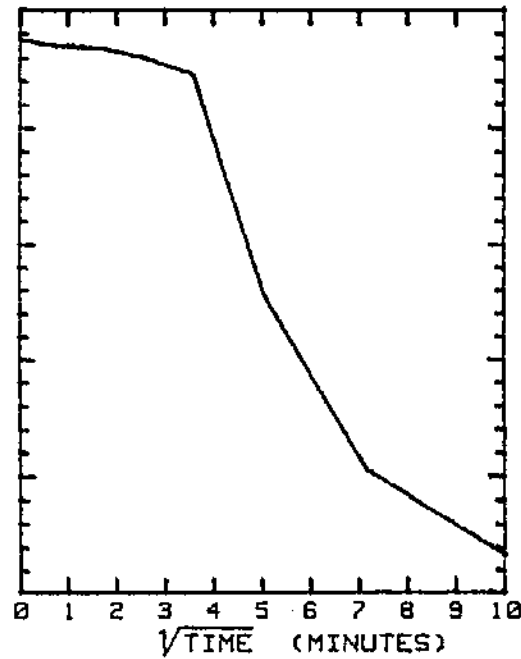
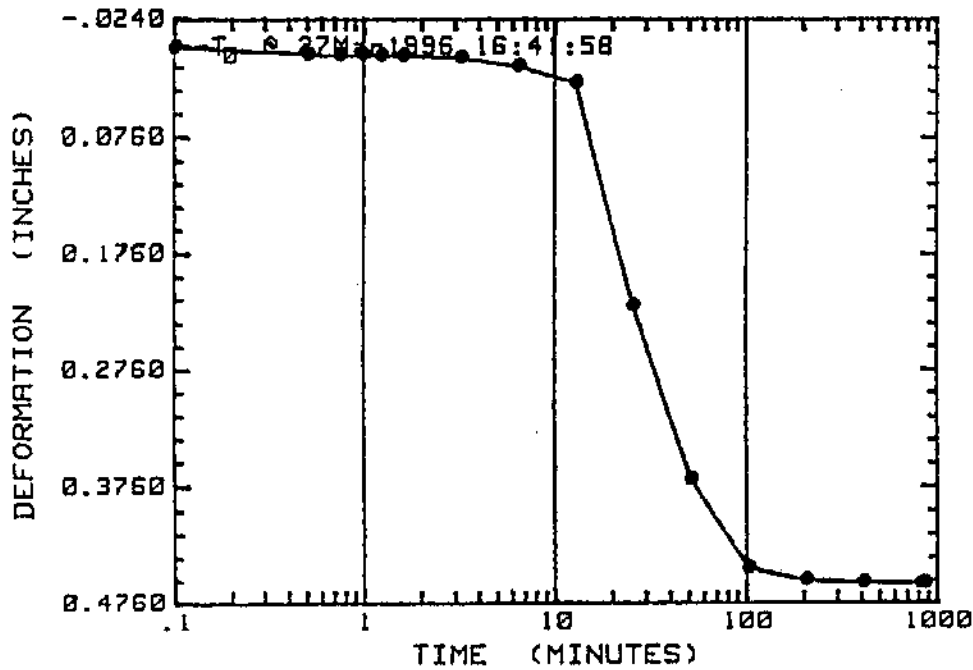
NO #A27153
 BORING #C3
 SAMPLE #
 PART # 7
 DEPTH 120.5'
 (SUBTRACT A CORRECTION
 OF -.0016"
 FROM EACH READING)
 PRESSURE: 1170 PSF

H_i = 2.029"



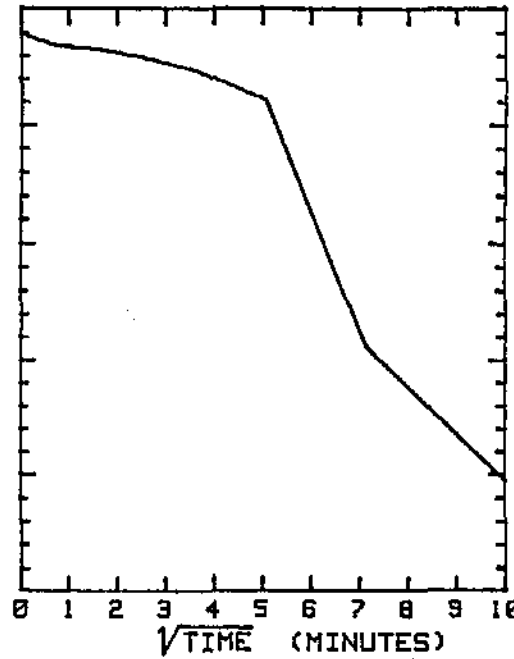
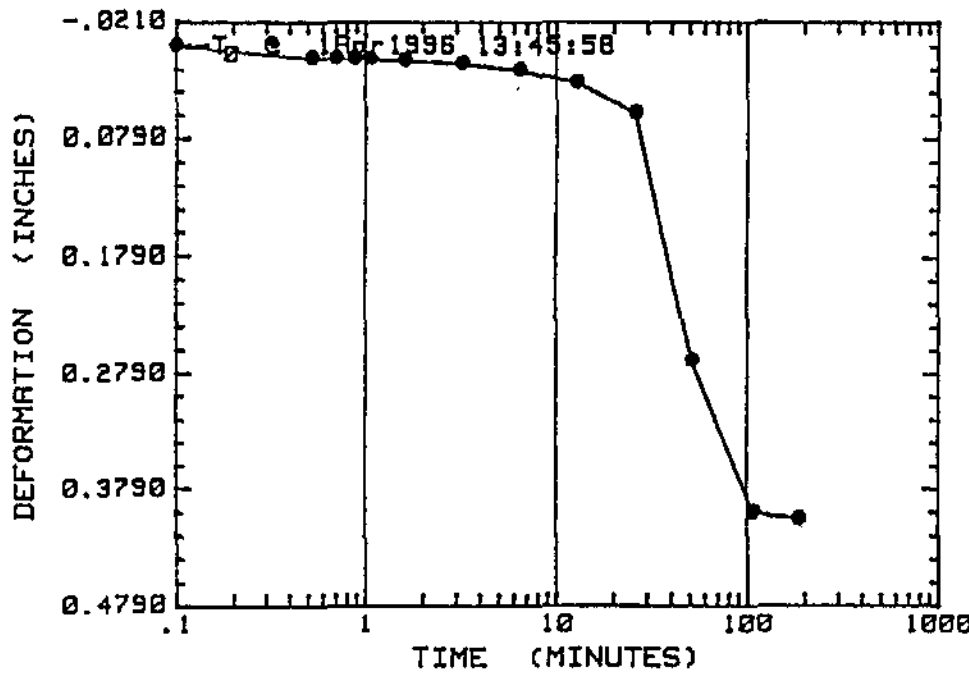
NO #A27153
 BORING #C3
 SAMPLE #
 PART # 7
 DEPTH : 25.5
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 2040 PSF

H_c = 5.983"



NO #A27153
 BORING #C-3
 SAMPLE #
 PART # 7
 DEPTH : 25'
 (SUBTRACT A CORRECTION
 OF $-0.0011''$
 FROM EACH READING)
 PRESSURE: 2000 PSF

$H_c = 5.974''$



NO #A27153
 BORING #C-3
 SAMPLE #
 PART # 8
 DEPTH : 38.8
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 1948 PSF

H: = 5.970"

PROJECT : LIBERTY

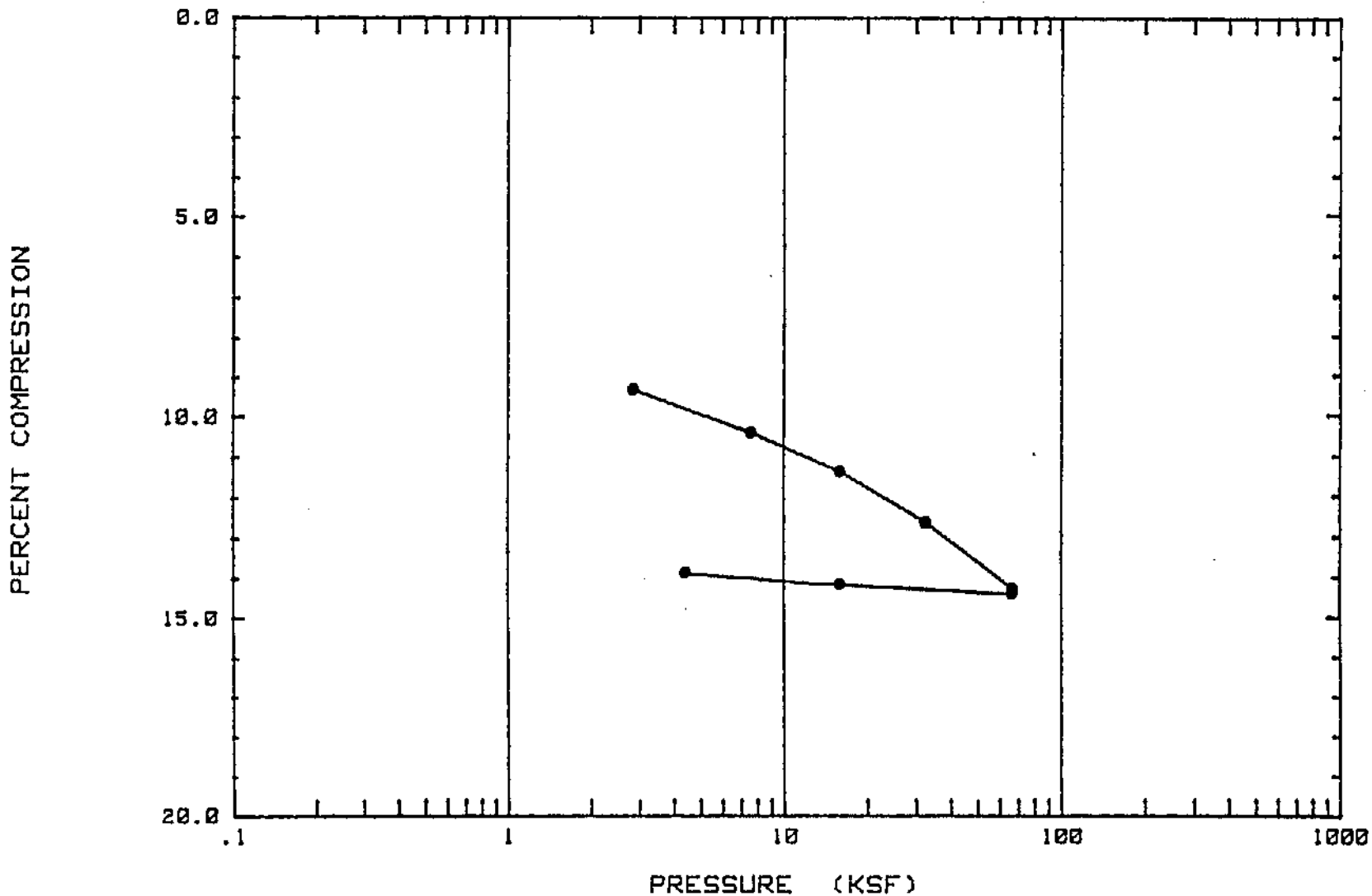
BORING # I-1

SAMPLE #

DEPTH: 45.5

CLIENT : DUANE MILLER

LABORATORY # CS7031



PROJECT : LIBERTY

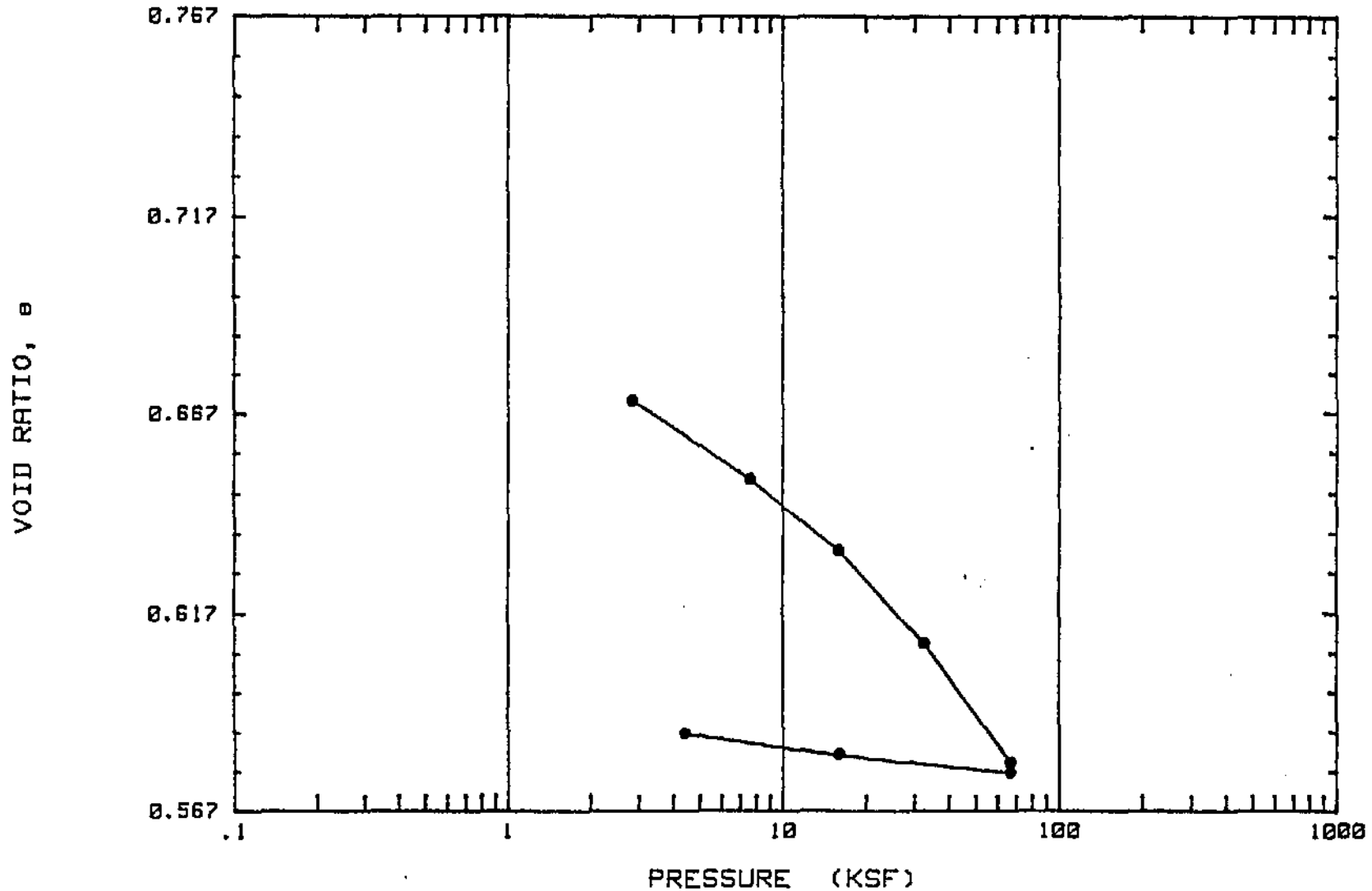
CLIENT : DUANE MILLER

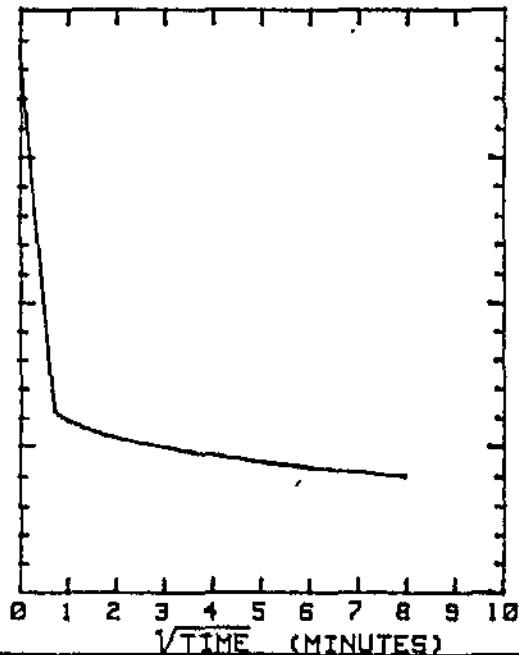
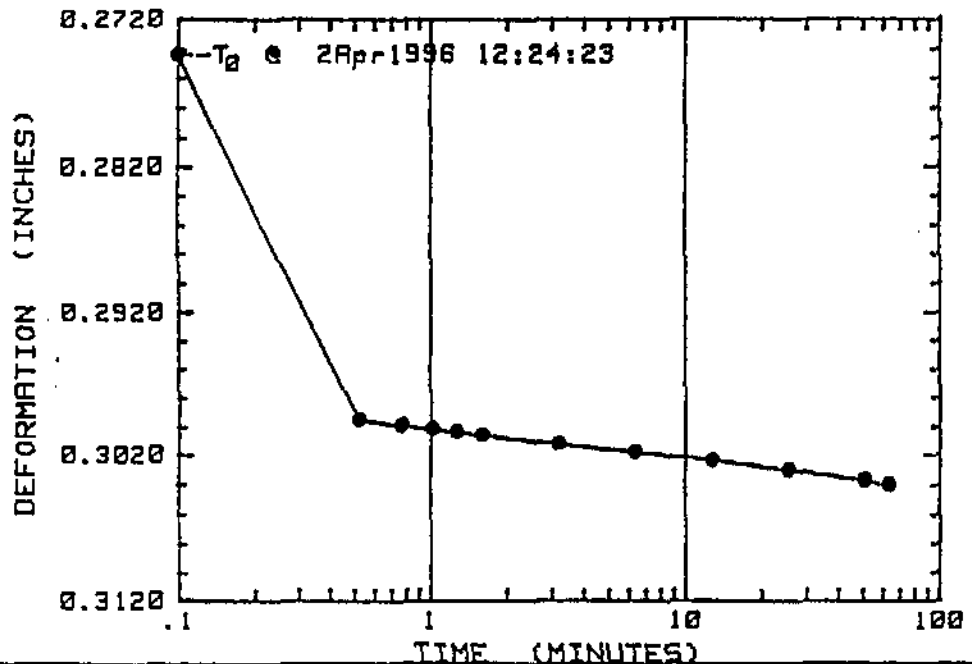
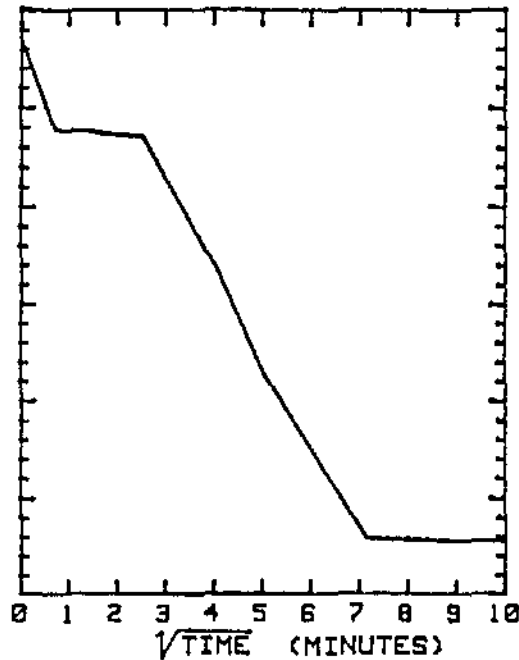
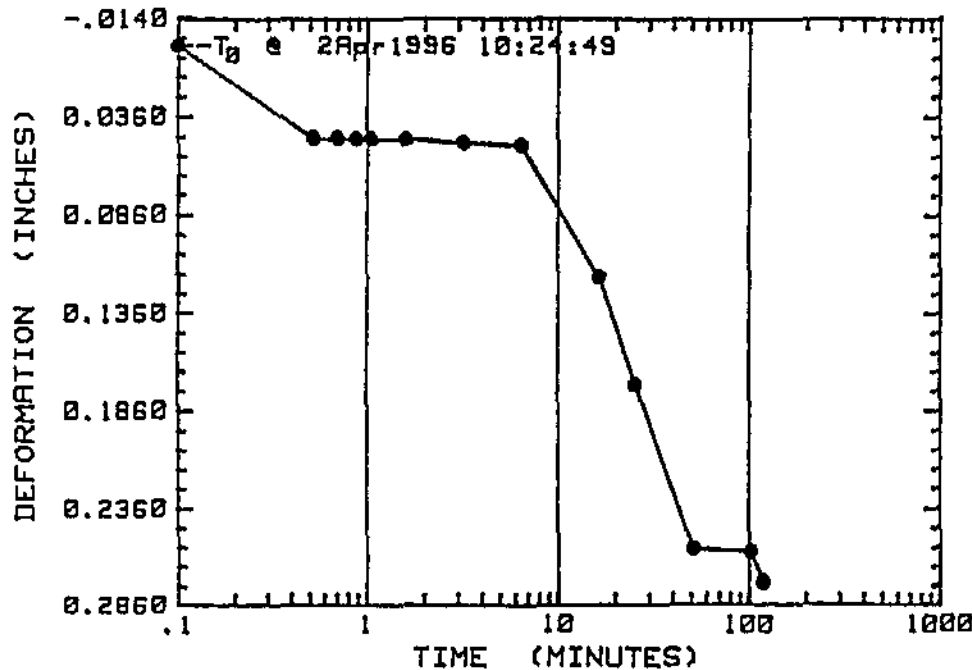
BORING * I-1

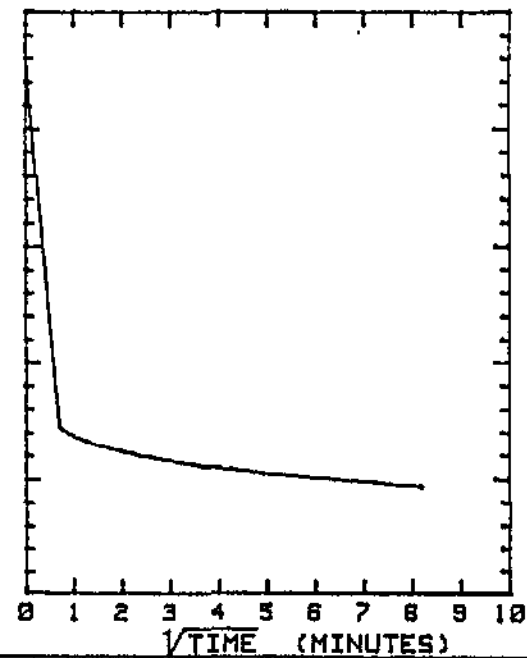
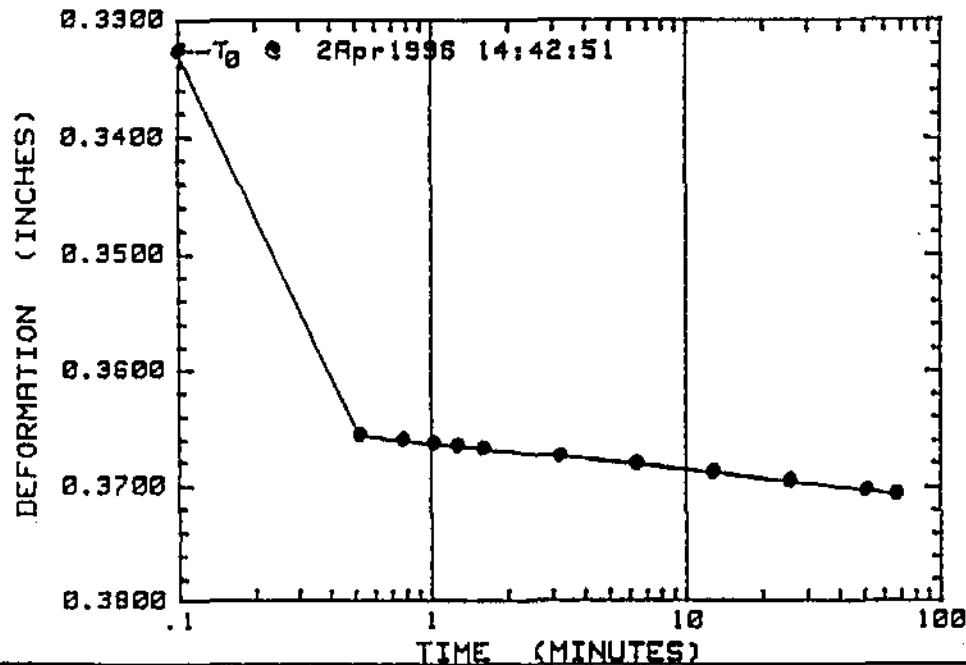
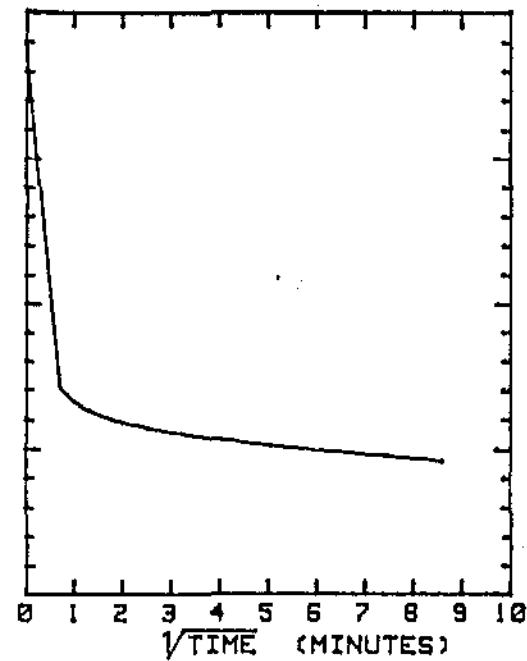
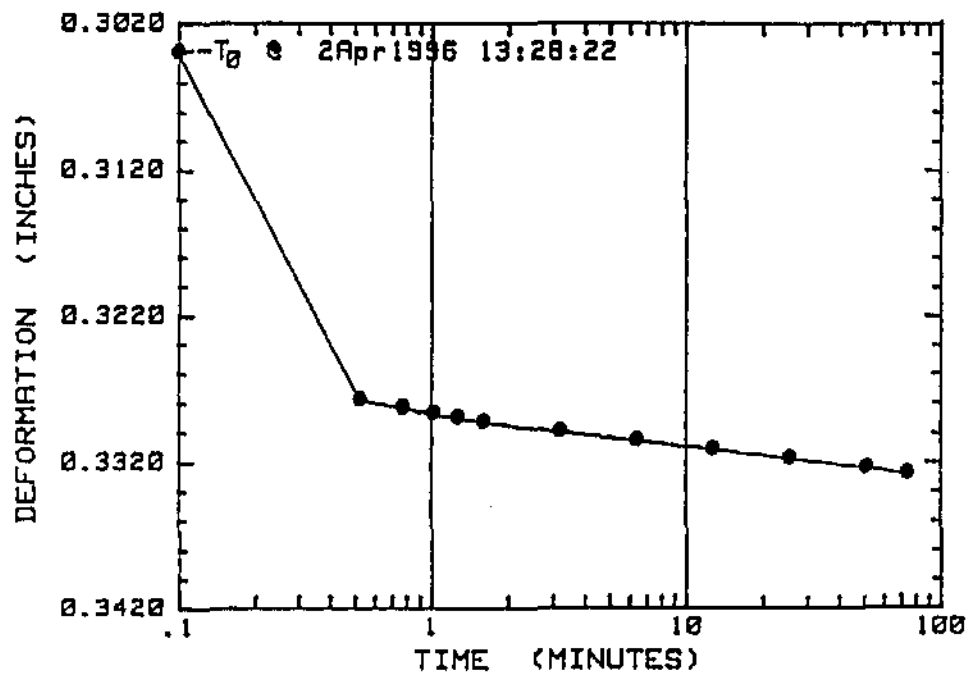
SAMPLE *

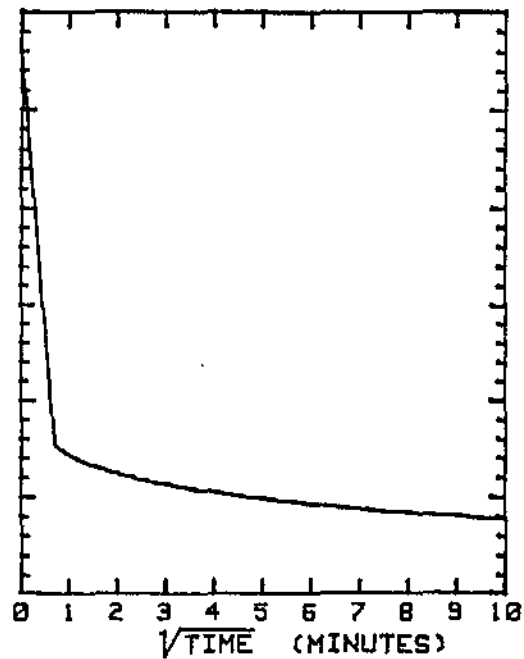
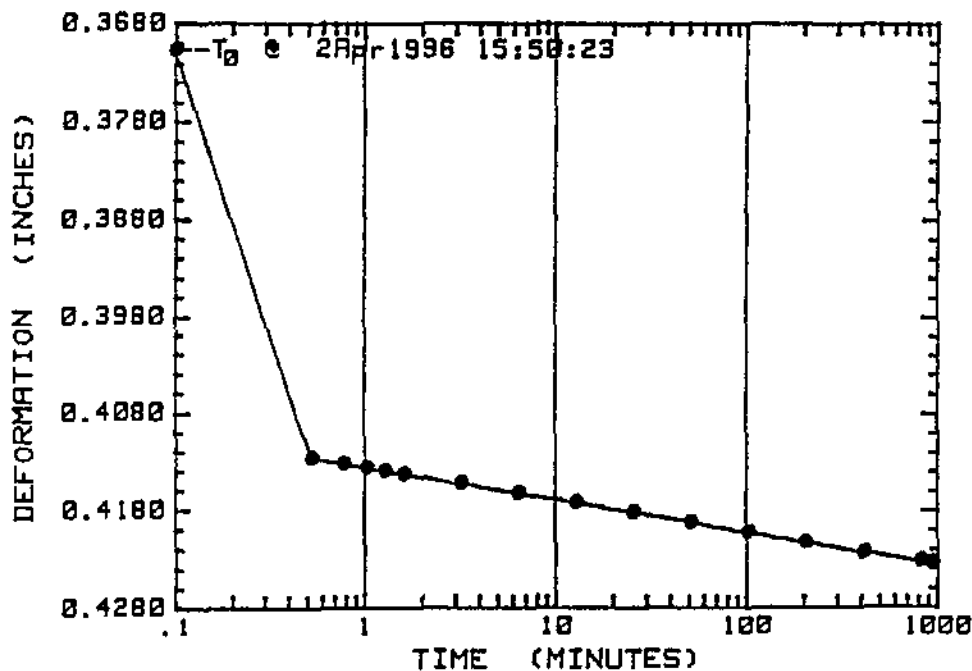
DEPTH: 45.5

LABORATORY * C97831

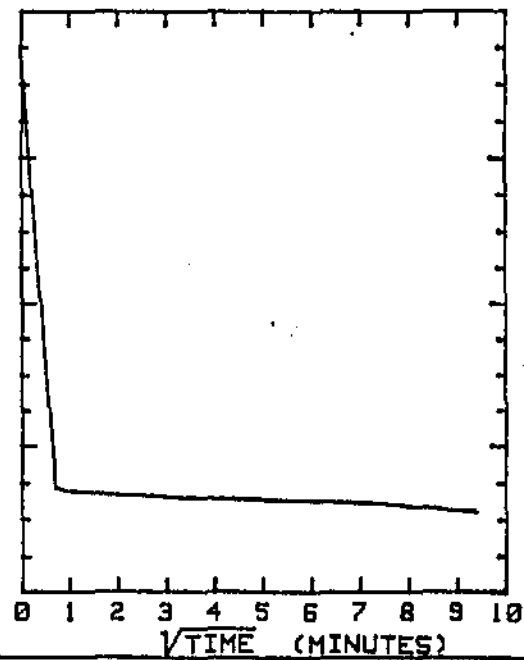
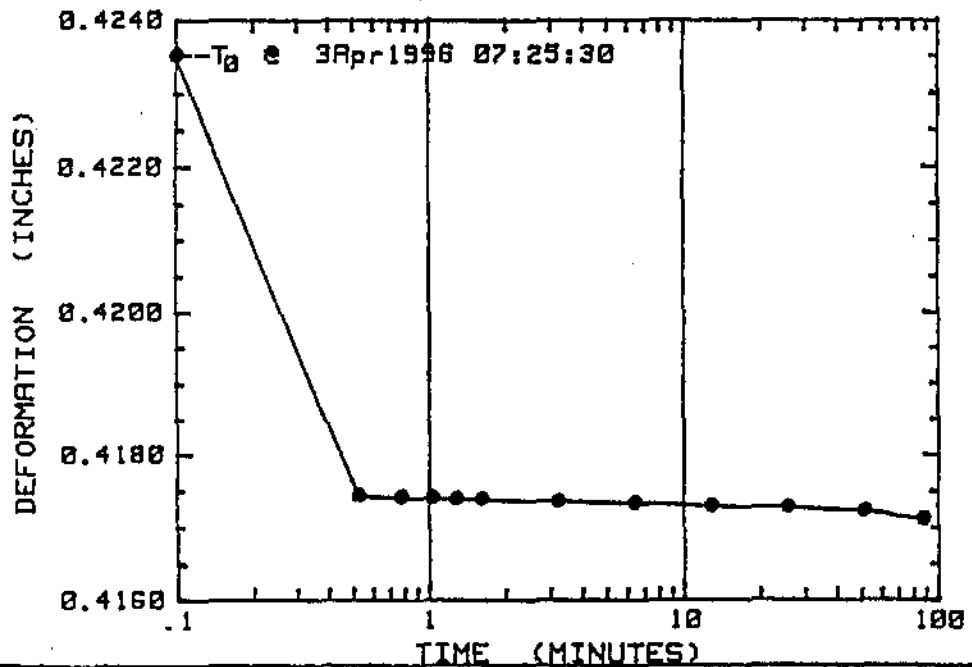




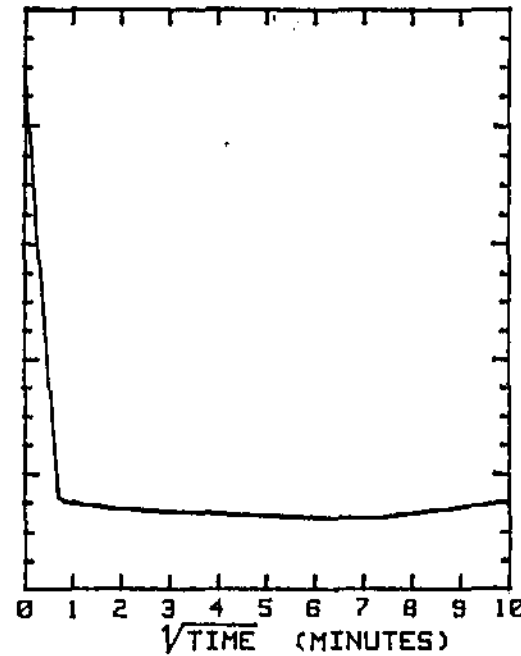
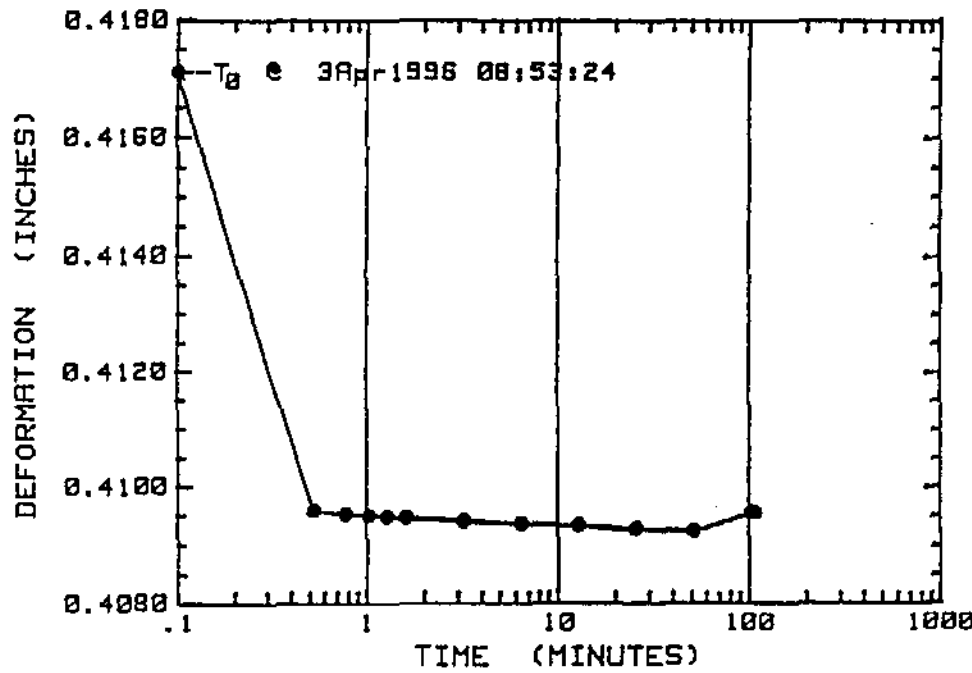




NO #A27153
BORING #I-1
SAMPLE #
PART # 0
DEPTH :45.5
(SUBTRACT A CORRECTION
OF 0.0000"
FROM EACH READING)
PRESSURE: 66500 PSF



NO #A27153
BORING #I-1
SAMPLE #
PART # 0
DEPTH :45.5
(SUBTRACT A CORRECTION
OF 0.0000"
FROM EACH READING)
PRESSURE: 15900 PSF

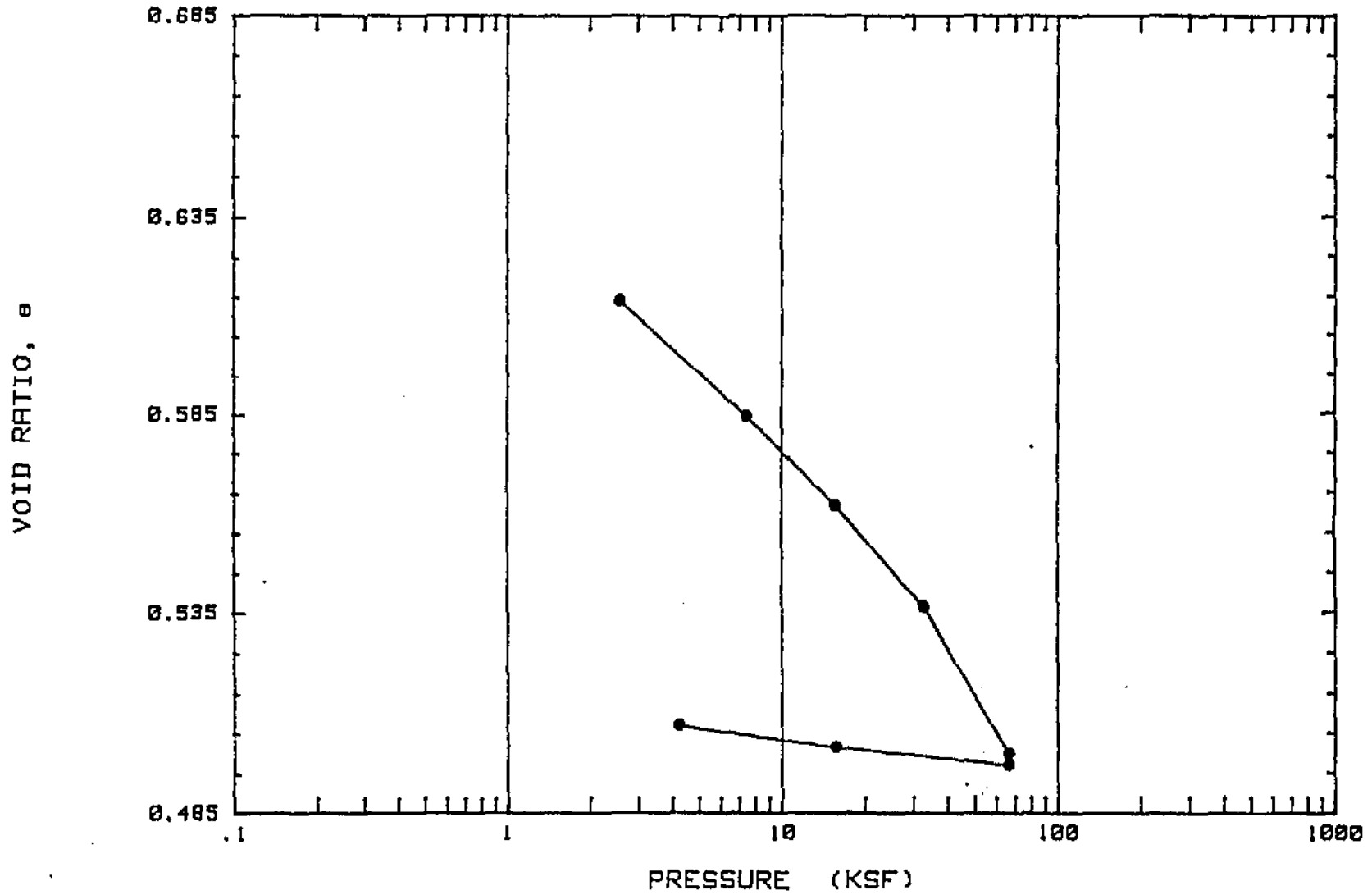


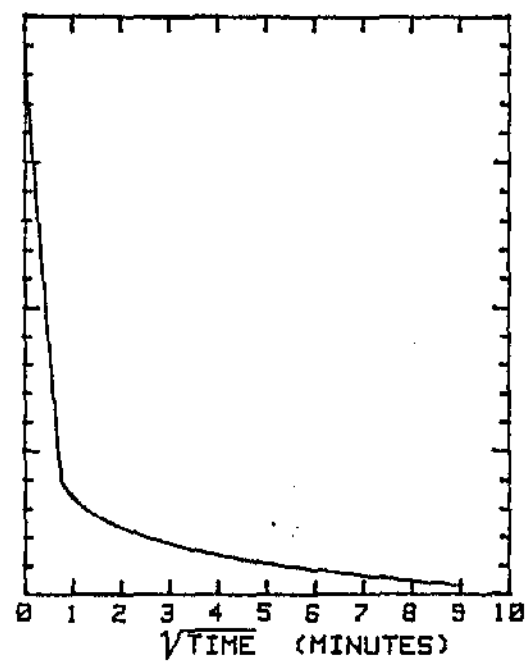
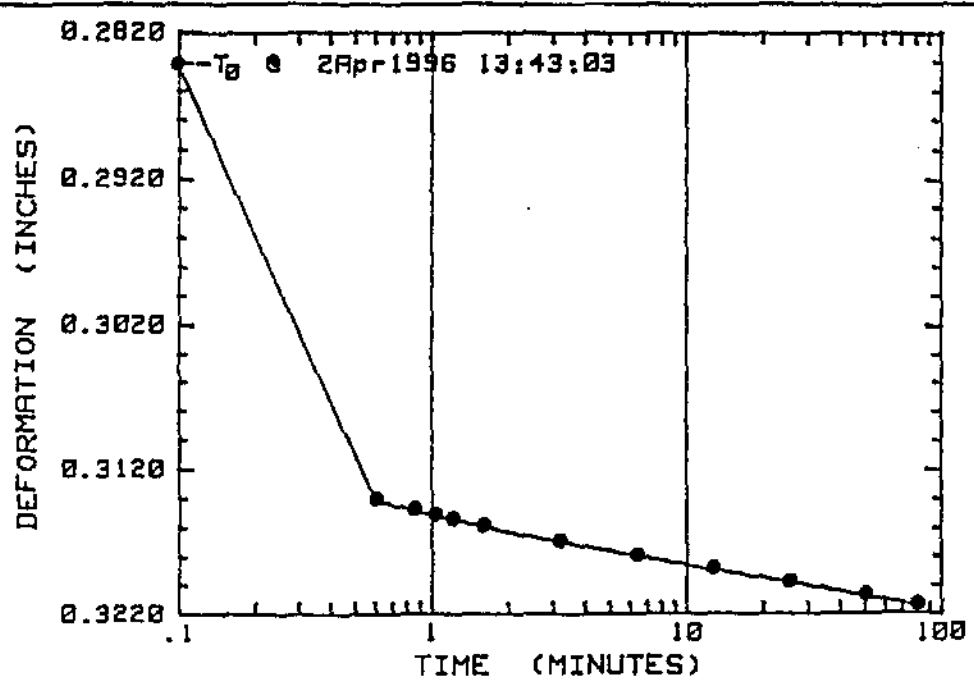
NO #A27153
BORING #I-1
SAMPLE #
PART # 0
DEPTH :45.5
(SUBTRACT A CORRECTION
OF 0.0000"
FROM EACH READING)
PRESSURE: 4400 PSF

PROJECT : LIBERTY
BORING # I-1
SAMPLE #

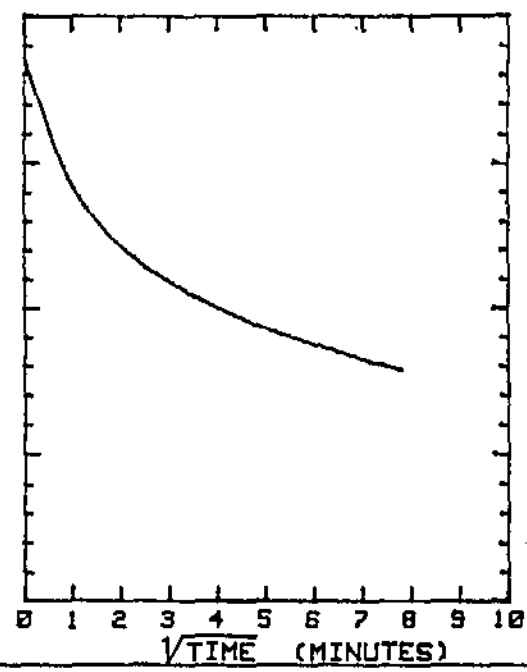
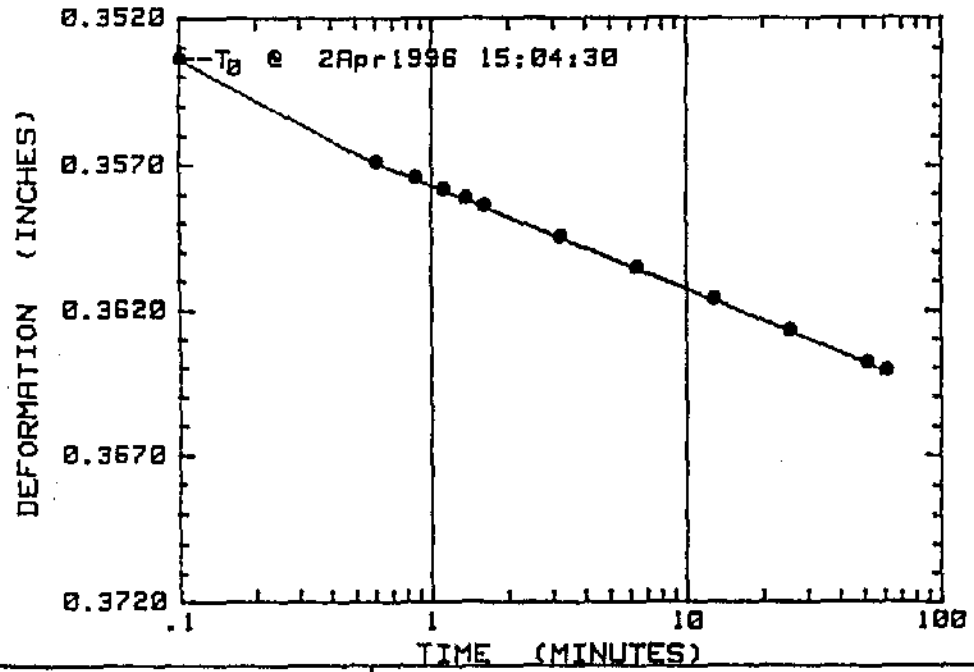
CLIENT : DUANE MILLER
LABORATORY # C97032

DEPTH: 46.0

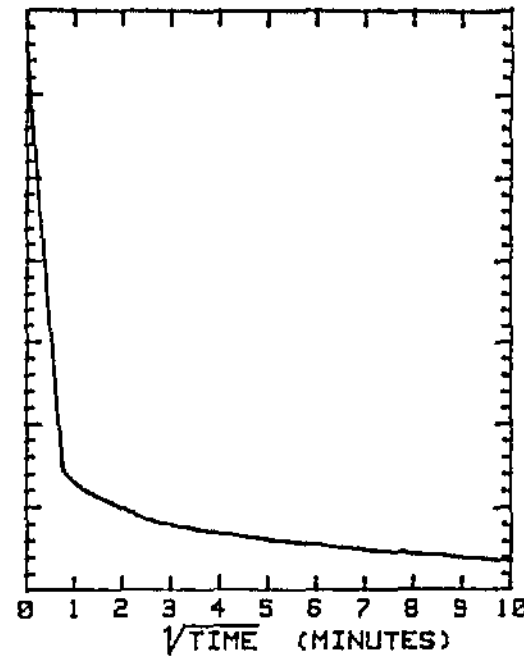
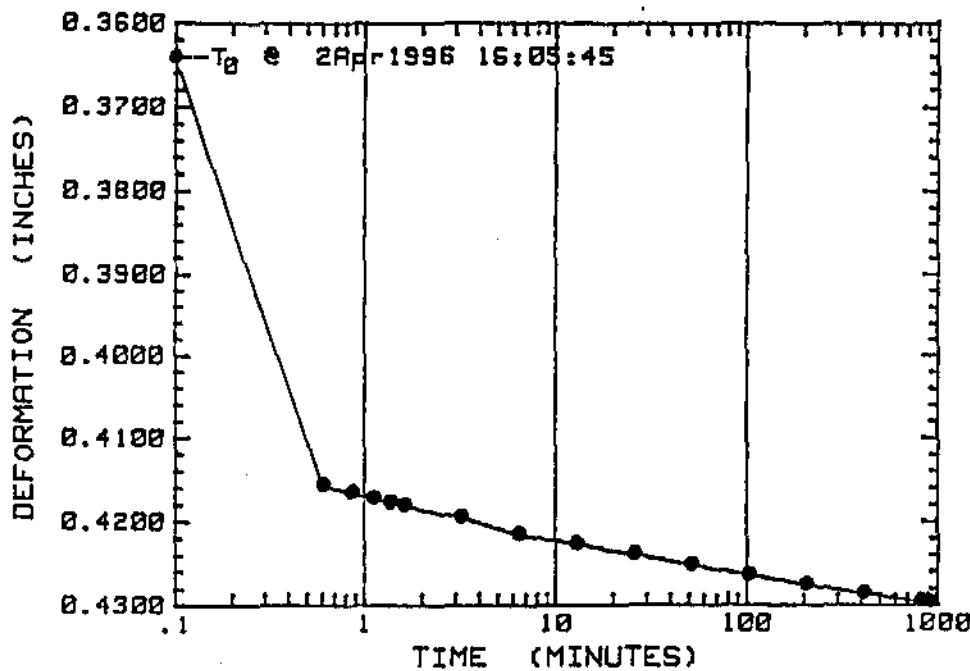




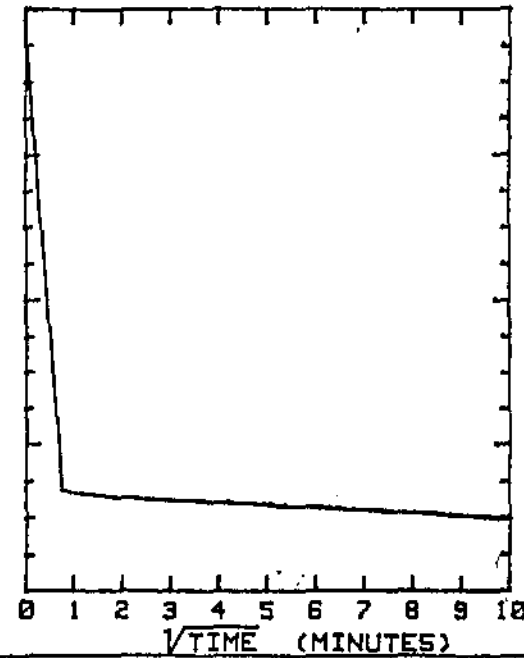
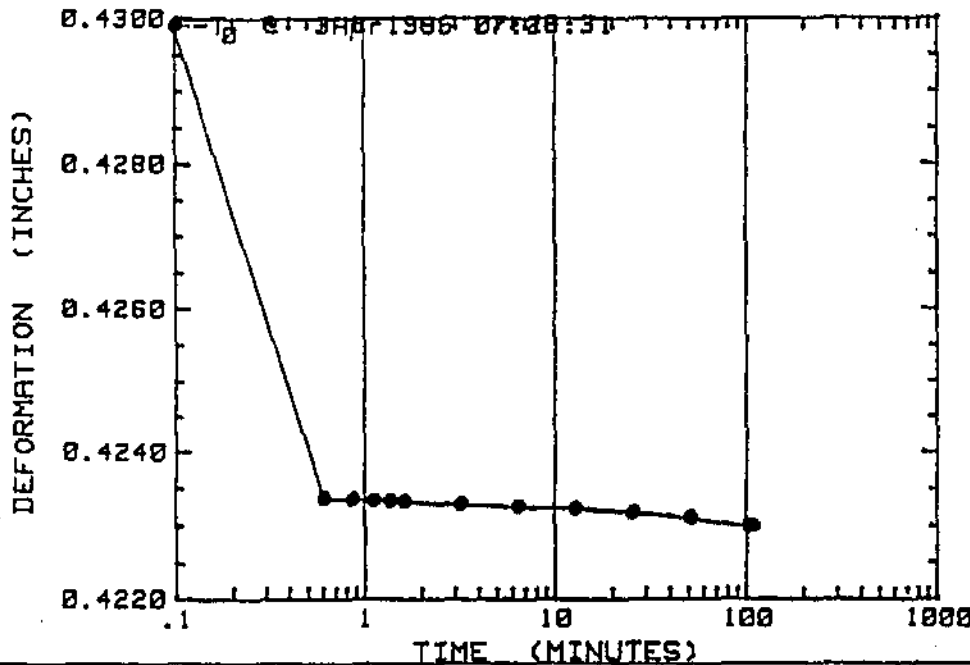
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH :46.0
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 15500 PSF



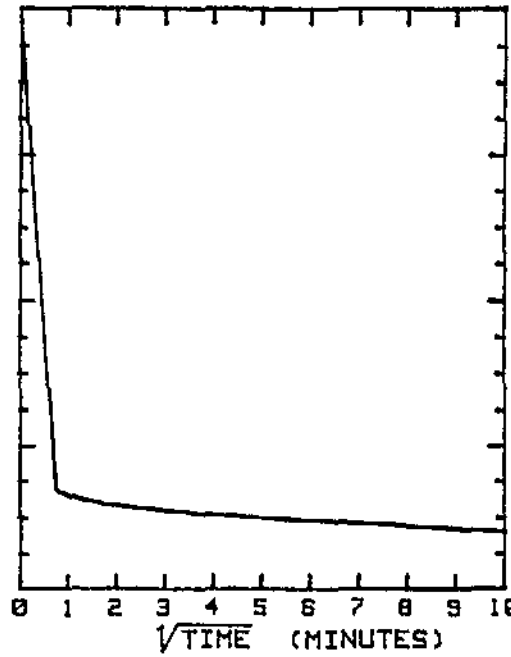
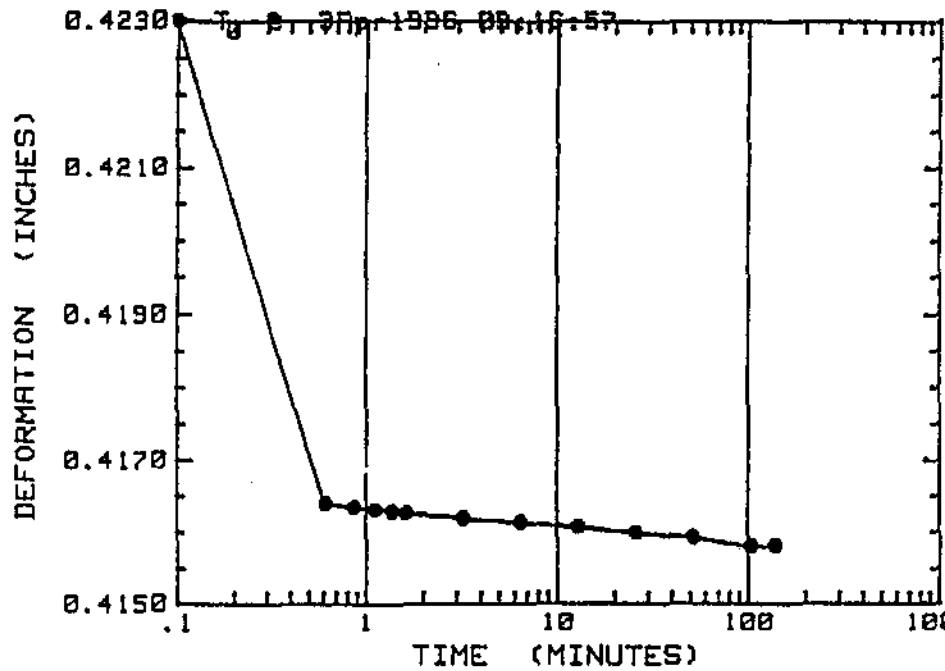
NO #A27153
 BORING #I-1
 SAMPLE #
 PART # 0
 DEPTH :46.0
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 32500 PSF



NO #A27153
BORING #I-1
SAMPLE #
PART # 0
DEPTH :46.0
(SUBTRACT A CORRECTION
OF 0.0000"
FROM EACH READING)
PRESSURE: 66500 PSF



NO #A27153
BORING #I-1
SAMPLE #
PART # 0
DEPTH :46.0
(SUBTRACT A CORRECTION
OF 0.0000"
FROM EACH READING)
PRESSURE: 15600 PSF



NO #R27153
 BORING #I-1
 SAMPLE #
 PART # B
 DEPTH 146.0
 (SUBTRACT A CORRECTION
 OF 0.0000"
 FROM EACH READING)
 PRESSURE: 4220 PSF

APPENDIX F

GROUND TEMPERATURES

Project => Liberty
 Job No. => 4119.22

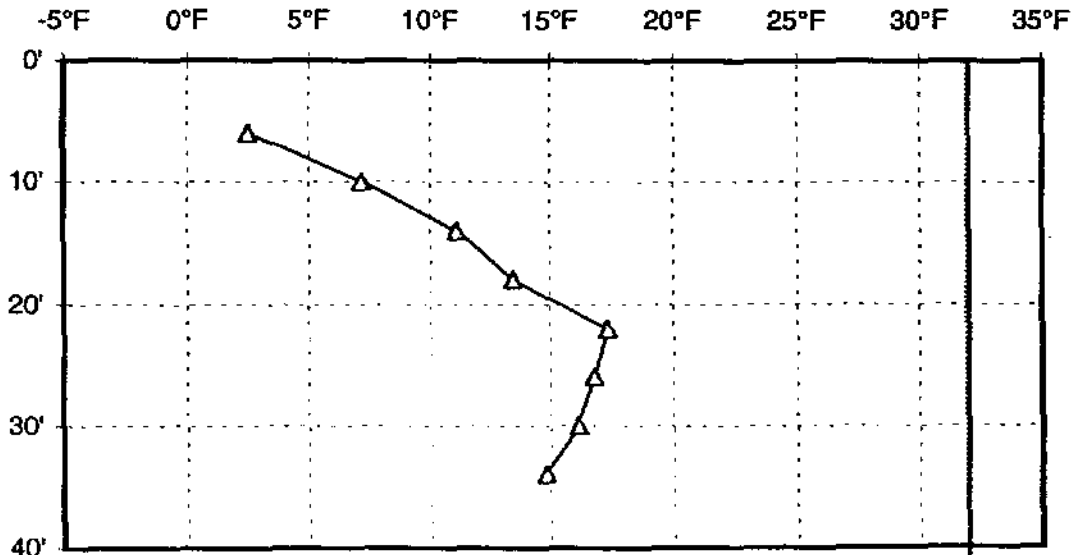
Reduction for YSI 44034 thermistor
 A = 0.00128
 B = 0.00024
 C = 9.3E-08

Boring => A-1 Date of reading = 3/19/97 By = W. Phillips & K. Phillips

Stickup (depth of #1) => 18

Therm #	Space (feet)	5001	Shallow Depth		
		Ice point	K ohms	Feet	Temp
1	0	0.23°F		-18.0'	
2	4	0.36°F		-14.0'	
3	8	0.16°F	79.700	-10.0'	-19.1°F
4	12	0.11°F	78.600	-6.0'	-18.7°F
5	16	0.13°F	74.800	-2.0'	-17.2°F
6	20	0.09°F	74.400	2.0'	-17.0°F
7	24	-0.08°F	39.500	6.0'	2.5°F
8	28	0.08°F	33.980	10.0'	7.2°F
9	32	0.17°F	30.050	14.0'	11.1°F
10	36	-0.05°F	28.140	18.0'	13.5°F
11	40	0.14°F	24.910	22.0'	17.3°F
12	44	0.12°F	25.320	26.0'	16.8°F
13	48	0.15°F	25.800	30.0'	16.1°F
14	52	0.43°F	26.610	34.0'	14.8°F
15	0	0.00°F			
16	0	0.00°F			

Measured Temperatures



Project => **Liberty**
 Job No. => **4119.22**

Reduction for YSI 44034 thermistc
 A = 0.00128
 B = 0.00024
 C = 9.3E-08

Boring => **A-2** Date of reading = **3/19/97** By = **M. Hendee & K. Phillips**

Stickup (depth of #1) => **18**

Therm #	Space (feet)	5002		Shallow Depth	
		Ice point	K ohms	Feet	Temp
1	0	0.12°F	68.500	-18.0'	
2	4	0.09°F	65.700	-14.0'	
3	8	0.36°F	77.300	-10.0'	
4	12	0.14°F	77.300	-6.0'	
5	16	0.05°F	68.300	-2.0'	-14.5°F
6	20	0.32°F	65.500	2.0'	-13.5°F
7	24	0.25°F	36.400	6.0'	4.8°F
8	28	0.23°F	24.300	10.0'	18.1°F
9	32	0.08°F	21.050	14.0'	23.1°F
10	36	0.08°F	19.830	18.0'	25.1°F
11	40	0.23°F	19.660	22.0'	25.3°F
12	44	0.13°F	19.470	26.0'	25.7°F
13	48	0.23°F	19.850	30.0'	25.0°F
14	52	-0.01°F	20.270	34.0'	24.5°F
15	0	0.00°F			
16	0	0.00°F			

Measured Temperatures

