

|                                                                                                                                 |  |  |  |                                                             |  |                                                          |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------|--|----------------------------------------------------------|--|
| DEPARTMENT OF THE ARMY<br>DIVISION <u>Southwestern</u><br>INSTALLATION <u>Galy Dist, Eng Div</u><br><b>DRILLING LOG</b>         |  |  |  | 1. PROJECT<br><u>Viola Ship Channel</u>                     |  | SHEET <u>      </u> OF <u>      </u>                     |  |
| 2. LOCATION (Coordinates or Station)<br><u>525 N centerline Sta. 1550+00</u>                                                    |  |  |  | 3. DRILLING AGENCY<br><u>U. S. Army Corps of Engineers</u>  |  | 5. NAME OF DRILLER<br><u>Ross</u>                        |  |
| 4. HOLE NO. (As shown on drawing title and file No.)<br><u>3ST-18</u>                                                           |  |  |  | 7. THICKNESS OF OVER-BURDEN<br><u>      </u>                |  | 8. DEPTH DRILLED INTO ROCK<br><u>      </u>              |  |
| 6. DIRECTION OF HOLE<br><input type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED DEGREES WITH VERTICAL <u>      </u> |  |  |  | 9. TOTAL DEPTH OF HOLE<br><u>47.5</u>                       |  |                                                          |  |
| 10. SIZE AND TYPE OF BIT<br><u>Shelby Tube - 3"</u>                                                                             |  |  |  | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL)<br><u>      </u> |  | 12. MANUFACTURER'S DESIGNATION OF DRILL<br><u>      </u> |  |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN<br>DISTURBED <u>      </u> UNDISTURBED <u>      </u>                                  |  |  |  | 14. TOTAL NO. CORE BOXES<br><u>      </u>                   |  | 15. ELEV. GROUND WATER<br><u>      </u>                  |  |
| 16. DATE HOLE<br>STARTED <u>6 Dec</u> COMPLETED <u>6 Dec 1961</u>                                                               |  |  |  | 17. ELEV. TOP OF HOLE<br><u>      </u>                      |  | 18. TOTAL CORE RECOVERY FOR BORING (%)<br><u>      </u>  |  |
| 19. SIGNATURE OF INSPECTOR<br><u>      </u>                                                                                     |  |  |  |                                                             |  |                                                          |  |

  

| ELEVATION                                                                                         | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description)                                                                                                             | % CORE RECOVERY | BOX OR SAMPLE NO. | REMARKS (drilling time, water loss, depth of weathering, etc., if significant) |
|---------------------------------------------------------------------------------------------------|-------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|--------------------------------------------------------------------------------|
| 0.0                                                                                               | 9.4   | 9.4    | Water                                                                                                                                                 |                 |                   |                                                                                |
| 10.0                                                                                              | 13.0  |        | Gray sandy clay v/soft w/shell                                                                                                                        |                 |                   | Cont. 1                                                                        |
| 13.0                                                                                              | 15.0  |        | Washed, same as above                                                                                                                                 |                 |                   | No sample                                                                      |
| 15.0                                                                                              | 17.0  |        | Gray sandy clay v/soft w/shell                                                                                                                        |                 |                   | Cont. 2                                                                        |
| 17.0                                                                                              | 20.0  |        | Washed, same as above                                                                                                                                 |                 |                   | No sample                                                                      |
| 20.0                                                                                              | 22.0  |        | Gray sandy clay v/soft w/shell w/clay pockets                                                                                                         |                 |                   | Cont. 3 0.0                                                                    |
| 22.0                                                                                              | 25.0  |        | Washed, same as above                                                                                                                                 |                 |                   | No sample                                                                      |
| 25.0                                                                                              | 27.0  |        | Light gray sandy clay v/stiff w/cal nod                                                                                                               |                 |                   | Cont. 4 2.00                                                                   |
| 27.0                                                                                              | 30.0  |        | Washed, same as above                                                                                                                                 |                 |                   | No sample                                                                      |
| 30.0                                                                                              | 32.0  |        | Light gray sandy clay plastic w/silty sand pockets                                                                                                    |                 |                   | Cont. 5 0.50                                                                   |
| 32.0                                                                                              | 35.0  |        | Washed, gray silty sand w/some pea gravel w/shell                                                                                                     |                 |                   | No sample                                                                      |
| 35.0                                                                                              | 36.5  |        | 35.0-35.5 No count<br>35.5-36.0 11 blows<br>36.0-36.5 15 blows                                                                                        |                 |                   | No recovery                                                                    |
| 36.5                                                                                              | 40.0  |        | Washed from 35.0 to 40.0 after drive test from 35.0-36.5 Gray silty sand w/shell and gravel about to 37.0 Light gray clay w/gravel from 37.0- to 40.0 |                 |                   | Jar 1                                                                          |
| 40.0                                                                                              | 42.0  |        | Brown tan sandy clay hard w/cal nod                                                                                                                   |                 |                   | Cont. 6 4.50                                                                   |
| 42.0                                                                                              | 45.5  |        | Washed, same as above                                                                                                                                 |                 |                   | No sample                                                                      |
| 45.5                                                                                              | 47.5  |        | Light gray sandy clay v/stiff w/silty sand pockets w/cal nod                                                                                          |                 |                   | Cont. 7 3.50                                                                   |
| Bottomed in above<br>Tide gage 2.3' @ 7:55 A.M.<br>Water depth 9.4'<br>Tide gage 2.2' @ 3.00 P.M. |       |        |                                                                                                                                                       |                 |                   |                                                                                |