

| DEPARTMENT OF THE ARMY<br>DIVISION <u>Southwestern</u><br>INSTALLATION <u>Galv Dist, Eng Div</u>                  |       |                                                       | 1. PROJECT<br><u>Port Aransas-Corpus Christi WW</u>                                                                    |                            | SHEET <u>OF</u>                           |                                                                                |
|-------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|--------------------------------------------------------------------------------|
| DRILLING LOG                                                                                                      |       |                                                       | 2. LOCATION (Coordinates or Station)<br><u>Aransas Pass</u>                                                            |                            |                                           |                                                                                |
| 4. HOLE NO. (As shown on drawing title and file No.)<br><u>3ST-41</u>                                             |       |                                                       | 3. DRILLING AGENCY<br><u>U. S. Army Corps of Engineers</u>                                                             |                            |                                           |                                                                                |
| 6. DIRECTION OF HOLE<br><input type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED DEGREES WITH VERTICAL |       |                                                       | 7. THICKNESS OF OVERBURDEN<br><u>Black</u>                                                                             |                            | 8. DEPTH DRILLED INTO ROCK<br><u>52.0</u> |                                                                                |
| 10. SIZE AND TYPE OF BIT<br><u>Shelby Tube - 3"</u>                                                               |       |                                                       | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL)                                                                             |                            | 12. MANUFACTURER'S DESIGNATION OF DRILL   |                                                                                |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN<br>DISTURBED <u>1 Jar</u>                                               |       | 14. TOTAL NO. CORE BOXES<br>UNDISTURBED <u>6 Cont</u> |                                                                                                                        | 15. ELEV. GROUND WATER     |                                           | 16. DATE HOLE<br>STARTED <u>23 Apr</u> COMPLETED <u>23 Apr 1963</u>            |
| 17. ELEV. TOP OF HOLE                                                                                             |       | 18. TOTAL CORE RECOVERY FOR BORING (%)                |                                                                                                                        | 19. SIGNATURE OF INSPECTOR |                                           |                                                                                |
| 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                                                                                                               | 35.0  |                                                       | Water                                                                                                                  |                            |                                           |                                                                                |
| 35.0                                                                                                              | 38.0  |                                                       | Dark gray silty redeposit material could not recover w/3ST on 2.0 run, fell under-weight of splitspoon and 4 drill rod |                            |                                           | Jar 1                                                                          |
| 38.0                                                                                                              | 40.5  |                                                       | Dark gray silty sticky clay v/soft                                                                                     |                            |                                           | Cont. 1                                                                        |
| 40.5                                                                                                              | 43.0  |                                                       | Dark gray silty sticky clay v/soft                                                                                     |                            |                                           | Cont. 2                                                                        |
| 43.0                                                                                                              | 45.5  |                                                       | Dark gray silty sticky clay v/soft                                                                                     |                            |                                           | Cont. 3                                                                        |
| 45.5                                                                                                              | 48.0  |                                                       | Dark gray silty sticky clay v/soft                                                                                     |                            |                                           | Cont. 4                                                                        |
| 48.0                                                                                                              | 50.0  |                                                       | Dark gray silty sticky clay v/soft                                                                                     |                            |                                           | Cont. 5                                                                        |
| 50.0                                                                                                              | 52.0  |                                                       | Dark gray silty sticky clay v/soft                                                                                     |                            |                                           | Cont. 6                                                                        |
|                                                                                                                   |       |                                                       | Bottom<br>Water 35.0<br>Wind 15 MPH<br>Tide +2.0 @ 9:45 AM                                                             |                            |                                           |                                                                                |

Port Aransas Corpus Christi  
waterway

LOG OF BORING NO. 35T-41

Tide +20 @ 945 PM

TYPE: 3" Stem by Tube

LOCATION:

| DEPTH FT. | SYMBOL | SAMPLES | DESCRIPTION OF MATERIAL | BLOWS PER FT. | UNIT DRY WT. LBS./CU. FT. | POCKET PENETROMETER TONS / SQ. FT. |                  |     |     |     |              | ELEVATION FT. |
|-----------|--------|---------|-------------------------|---------------|---------------------------|------------------------------------|------------------|-----|-----|-----|--------------|---------------|
|           |        |         |                         |               |                           | 0.5                                | 1.0              | 1.5 | 2.0 | 2.5 | 3.0          |               |
|           |        |         |                         |               |                           | PLASTIC LIMIT                      | WATER CONTENT, % |     |     |     | LIQUID LIMIT |               |
|           |        |         | SURF. EL.               |               |                           | 10                                 | 20               | 30  | 40  | 50  | 60           |               |
| 5         |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 10        |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 15        |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 20        |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 25        |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 30        |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 35        |        |         |                         |               |                           |                                    |                  |     |     |     |              |               |
| 40        | C      |         | Dark Gray Clay (CH)     |               | 89.4                      |                                    |                  |     |     |     |              | 108.5         |
|           | H      |         | V/Soft                  |               | 50.9                      |                                    |                  |     |     |     |              | 166.9         |
|           |        |         | 101 V/Soft              |               | 57.1                      |                                    |                  |     |     |     |              | 88.4          |
| 45        |        |         |                         |               | 87.5                      |                                    |                  |     |     |     |              | 84.1          |
|           |        |         |                         |               | 89.0                      |                                    |                  |     |     |     |              | 92.2          |
| 50        |        |         |                         |               | 87.8                      |                                    |                  |     |     |     |              | 92.8          |
|           |        |         |                         |               | 88.7                      |                                    |                  |     |     |     |              | 88.7          |
|           |        |         |                         |               | 87.8                      |                                    |                  |     |     |     |              | 91.9          |

DATE

SWN 266(C)  
22 AUG 62

Completion Depth 52.0  
Date 23 APRIL 63