# BORING LOG

Boring No. 3ST 151
Levee District GALVESTON
Job No. 1381

## FIELD DATA

Project PORT ARANSAS - CORPUS CHRISTI WATERWAY Location INNER BASIN
Drill Rig ARCO 550 #4 Inspector BLACK Operator SMITH Surface Elev.
Natural Ground Elev.

## LABORATORY DATA

Date Classified by

| SAMPLE NUMBER | DATE TAKEN 1971 | STRATUM FROM | STRATUM TO | DRIVE FROM | DRIVE TO | SAMPLE FROM | SAMPLE TO | TYPE OF SAMPLER | CONTAINER | POCKET PENETROMETER VALUE | CLASSIFICATION AND REMARKS | CLASSIFICATION | SYMBOL | NAT WC % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 NOV. | 0.0 | 16.8 | | | | | | | | WATER DEPTH | | | |
| | | | | | | | | | | | TIDE +1.5 @ 1300 HOURS | | | |
| 1 | | 16.8 | | 16.8 | 19.0 | 16.8 | 18.0 | 3" SHELBY TUBE | TUBE | 0.0 | GRAY SANDY CLAY WITH SHELL | | | |
| | | | 21.0 | 19.0 | 21.0 | | | FISHTAIL | | | VERY SOFT. | | | |
| 2 | | 21.0 | | 21.0 | 23.0 | 22.0 | 23.0 | 3" SHELBY TUBE | TUBE | 2.00 | GRAY SANDY CLAY, VERY STIFF | | | |
| | | | 25.0 | 23.0 | 30.0 | | | FISHTAIL | | | | | | |
| 3 | 11 NOV. | 25.0 | | 30.0 | 30.5 | 30.0 | 31.5 | DRIVE SAMPLER | JAR | | BROWN GRAY SAND, DENSE | | | |
| | | | | 30.5 | 31.0 | | | | | | 17 BLOWS | | | |
| | | | | 31.0 | 31.5 | | | | | | 19 BLOWS | | | |
| | | | | 31.5 | 32.0 | | | | | | | | | |
| | | | | 32.0 | 40.0 | | | FISHTAIL | | | | | | |
| 4 | | | | 40.0 | 40.5 | 40.0 | 40.5 | DRIVE SAMPLER | JAR | | VERY DENSE | | | |
| | | | | 40.5 | 41.0 | | | | | | 27 BLOWS | | | |
| | | | | 41.0 | 41.5 | | | | | | 38 BLOWS | | | |
| | | | 42.0 | 41.5 | 42.0 | | | | | | | | | |
| | | 42.0 | 44.5 | 42.0 | 50.0 | | | FISHTAIL | | | BROWN SAND WITH HEAVY SHELL | | | |
| | | | | | | | | | | | AND CEMENTED SANDSTONE NODULES. | | | |
| 5 | | 44.5 | 52.0 | 50.0 | 52.0 | 50.8 | 52.0 | 3" SHELBY TUBE | TUBE | 3.75 | GRAY SANDY CLAY WITH SAND | | | |
| | | | | | | | | | | | SEAMS, VERY STIFF | | | |
| ~~NO/WATER TABLE/AT~~ | | | | | | | | | | | | | | |
| WEIGHT OF HAMMER | | | 140# | | | | | | | | | | | |
| DROP DISTANCE | | | 30" | | | | | | | | TOTAL DEPTH 52.0' | | | |
| | | | | | | | | | | | DRIVE SAMPLER 2" x 1 3/8" x 24" | | | |

WES Form No. 819
April 1954

Sheet 1 of 1 Sheets

12 July 1971

GDLR NO

PROJECT: Port Arransas-Corpus Christi Waterway

BORING NO. 3S T-151

LOCATION: Inner Basin

TEST DATA SUMMARY

DATE COMPLETED Nov. 11, 1971

| FIELD NO. | Sample Depth, Feet From | To | CLASSIFICATION ELEVATION TOP BORING _____ | SYMBOL | CONSISTENCY | POCKET (1) PENETROMETER | STAN. PENET. BLOWS/FT (2) | MOISTURE CONTENT % | DRY DENSITY p. c. f. | L.L. | P.L. | Lab Sample No. | BAR L.S. | SIEVE ANALYSIS PERCENT GRVL | SAND | FINES | INIT. WT. | ACC. WT. RTND. SIEVE NO. (3) NO. 4 | NO. 10 | NO. 40 | NO. 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-C | 16.8 | 18 | Gray Clayey Sand w/shell fragments 16.8'-21' | SC | S | 0.25 | | 28 | 98 | 42 | | 2505 | | 25 | 58 | 17 | 500 | 193 | 136 | 21 | 92 |
| 2-C | 22 | 23 | Gray Sandy Clay w/shell fragments 21'-25' | CL | VST | 2.00 | | 23 | 102 | 38 | | 2506 | | 0 | 48 | 52 | 50 | 0 | 0 | 0 | 21 |
| 3-J | 30 | 31.5 | Brown Silty Sand 25'-49.5' | SM | VD | | 36 | 26 | | | | 2507 | 0.5 | 0 | 84 | 16 | 50 | 0 | 0 | 0 | 42 |
| 4-J | 40 | 42.5 | shell fragments 40'-42' | | VD | | 65 | 23 | | | | 2508 | | 0 | 78 | 22 | 50 | 0 | 0 | 0 | 39 |
| 5-C | 50.8 | 52 | Gray Clay w/sand layers & shell fragments 49.5'-52' | CH | VST | 3.75 | | 33 | 86 | 77 | | 2509 | | 0 | 6 | 94 | 50 | 0 | 0 | 0 | 3 |

KEY: CONSISTENCY — COHESIVE SOILS: VS Very Soft, S Soft, M Medium, ST Stiff, VST Very Stiff, H Hard; CONSISTENCY — COHESIONLESS SOILS: VL Very Loose, L Loose, M Medium, D Dense, VD Very Dense

(1) Tons/Sq.Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Rtnd ÷ Init. Wt. x 100 = % Rtnd.

BORING NO. 3S T-151

Bottomed at 52' Water at 16.8' Tide Reading +1.5 @1300

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