**EXPLORATION LOG** RSAK4 **PROJECT:** TRONOX PHASE B PROJECT NO.: 20092518V1 **EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE: 7/6/2009** EXPLORATION SIZE (dia.): 3" CORE BARREL **EQUIPMENT:** SDC550-24 SONIC CORE RIG **ELEVATION:** EXISTING GROUND SURFACE LOGGED BY: SEARS/DAVIS INITIAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: NA FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: NA CONSTRUCTION DRY DENSITY (pcf) % SWELL **ELEVATION/** SOIL & SAMPLE USCS DESCRIPTION  $\exists$ ā **DEPTH** SYMBOLS Fill 2.5 SW-SM Reddish brown (5YR 4/4) well graded SAND with silt, trace gravel. 80-90% fine to coarse grained sand, 10-20% silt, trace gravel, low plasticity, dry. 7.5 8-9 feet, weak cementation, calcite cement. 10 23 26 22 Collect sample RSAK4-10B, very dense, dry.

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

12-13 feet, weak cementation, calcite cement.

12.5

15

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Figure No.

## **EXPLORATION LOG** RSAK4

**PROJECT:** TRONOX PHASE B

PROJECT NO.: 20092518V1

**EXPLORATION LOCATION: TRONOX AREA 1** 

**EXPLORATION DATE: 7/6/2009** 

EXPLORATION SIZE (dia.): 3" CORE BARREL

**EQUIPMENT:** SDC550-24 SONIC CORE RIG

**ELEVATION: EXISTING GROUND SURFACE** 

LOGGED BY: SEARS/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

DATE MEASURED: NA

| THE DEL                            | III IO WAIEK.            | NOTEN | COUNTERED DATE MEASURED:   | <u>INA</u>   |  |                         |                      |  |                      |
|------------------------------------|--------------------------|-------|--|--|--|-------------------------|----------------------|--|----------------------|
| ELEVATION/<br>DEPTH                | SOIL & SAMPLE<br>SYMBOLS | USCS  | DESCRIPTION  | ā  |  | MOISTURE<br>CONTENT (%) | DRY DENSITY<br>(pcf) | % SWELL  | WELL<br>CONSTRUCTION |
| — 17.5<br>-<br>-                   |                          |       |  | The state of the s |  |                         |                      |  |                      |
| - 20<br>-<br>-<br>-<br>-<br>- 22.5 |                          | sw    | Well graded cemented SAND, 95-100% fine to medium grained sand, 0-5% silt moderate to strong cementation. Collect sample RSAK4-20B, very dense, dry. |  | 11111  |                         | 100                  |  | i                    |
| -<br>-<br>-<br>-<br>-<br>25        |                          | SM    | Reddish brown (2.5YR 5/3) silty SAND, 50-70% fine grained sand, 30-50% silt. Low plasticity, dry.  |  |  |                         |                      |  |                      |
| -                                  |                          |       | 25-26 feet, 1-3% coarse, subrounded, gravel. 26-27 feet, 5-8% caliche lenses/nodules.  | ALLIEL STORY ASSESSED.   |  |                         |                      | Addition.  |                      |
| - 27.5<br>-<br>-<br>-<br>-<br>- 30 |                          | ML    | Muddy Creek Formation. Reddish brown (2.5YR 5/3) SILT with sand. 80-90% silt, 10-20% fine grained sand. Slightly moist.                              |  | The state of the s |                         |                      | To the state of th |                      |
| - 30<br>-<br>-<br>- 32.5           | 13 8 10                  |       | Collect sample RSAK4-31B, very stiff, moist. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.2 ppmV.   |  |  |                         |                      | and the second s |                      |
| -                                  |                          |       | END OF BORING AT 32.5 FEET   |  |  |                         |                      | The second secon |                      |

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Figure No.