EXPLORATION LOG

RSAN4 PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1 **EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE:** 7/8 - 7/9 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: FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: NA CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) % SWELL ELEVATION/ SOIL & SAMPLE **USCS** DESCRIPTION 귭 **DEPTH SYMBOLS PAVE** Fill SW-SM Reddish brown (5YR 4/4) well graded SAND with silt. 70-90% fine-medium grained sand, 15 19 10-20% silt, trace gravel, dry. 2.5 Collect sample RSAN4-0.5B, medium dense, dry. 6-8 feet; trace caliche nodules/lenses, light gray to white. 7.5 - 10 Collect sample RSAN4-10B, RSAN4009-10B, 33 very dense, dry. 12.5 13-14 feet; weakly cemented, calcite cement.

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.

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16-18 feet; weakly cemented, calcite cement.

Figure No.

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32.5

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Collect sample RSAN4-31B, very stiff, moist.

END OF BORING AT 32.5 FEET

Figure No.