EXPLORATION LOG SA176-A1

FROJECT. INDINOX FINASE B FROJECT NO.: 20092310V1	PROJECT: TRONOX PHASE B	PROJECT NO.: 20092518V1
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EXPLORATION LOCATION: TRONOX AREA 1 **EXPLORATION DATE:** 7-13-2009

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: N/A
FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: N/A

FINAL DEP	TH TO WATER:	NOT EN	COUNTERED DATE MEASURED:	N/A	4				
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ld	П	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 0 		FILL	FILL from road and railroad grading						
- - - - - - - 7.5		SW	SAND, reddish brown (5YR 4/3), 0%-5% silt, 95%-200% fine to coarse sand, trace gravel, dry, no plasticity						
- 10 - - - - 12.5 - -	18 14 12	SW	Collect SA176-10B, PID readings: 10.6 eV = 0.2 ppmVmedium dense, dry						
- - - - - - - - 17.5	The descriptions contained	within this	exploration log apply only at the specific exploration location and at th	a tim	a the c	voloration	was mode		

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PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1 **EXPLORATION DATE:** 7-13-2009

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: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED **DATE MEASURED: N/A** Pocket
Penetrometer
(tsf) WELL CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) ELEVATION/ SOIL & SAMPLE **USCS DESCRIPTION** ᆸ DEPTH **SYMBOLS** SW-SM SAND with silt, reddish brown (5YR 4/4), 10%-20% silt, 80%-90% fine to medium sand, trace gravel, low plasticity, weakly cemented 20 SW-SM 21' to 21.5' below ground surface (BGS) caliche nodules present 22.5 SW-SM ...24' to 25' BGS weakly to moderately cemented 25 43 50/4 ML Collect SA176-25B, PID readings: 10.6 eV = 0.6 ppmV MUDDY CREEK FORMATION: SILT with sand, reddish brown (2.5YR 4/3), 85%-95% silt, 5%-15% fine sand, calcite and gypsum crystals present at contact with alluvium, very dense, 27.5 dry 30 ML ...slightly moist, low to moderate plasticity 32.5 35

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Figure No.

			EXPLORATI SA176								
PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION SIZE (dia.): 3" CORE BARREL ELEVATION: EXISTING GROUND SURFACE INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED				PROJECT NO.: 20092518V1 EXPLORATION DATE: 7-13-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/DAVIS DATE MEASURED: N/A DATE MEASURED: N/A							
- - - - 37.5	7 10 13	ML	Collect SA176-37B, PID ppmVvery stiff, moist	readings: 10.6 eV = 0.4							
- 40 - 40 42.5 45 47.5			END OF BORING	AT 38.5 FEET							
-											

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52.5

Figure No.