

EXPLORATION LOG SA106-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9/3/2009

EXPLORATION SIZE (dia.): 3 " CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: THOMPSON/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	SAND, yellowish red (5YR 5/6), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium gravel, well cemented sand nodules present, loose to dense, dry, no plasticity						
		SW	Collect SA106-12B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 0.4 ppmV						

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20		SW	SAND, reddish brown (5YR 4/3), 95% fine to coarse sub-rounded to rounded sand, 5% fine to medium gravel, dense, damp, no plasticity, no odor						
22.5		SW	Collect SA106-20B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV						
25		CALI	...23.5' to 27' caliche zone present, calcite and gypsum cement, 0.5" thick gypsum layer present						
27.5		SW-SM	SAND with silt, reddish yellow (7.5YR 6/6), 5% silt, 95% very fine to medium grained sub-angular to sub-rounded sand, trace clasts of cemented sand, dense, moist, medium plasticity,						
30		SW-SM	...color to strong brown (7.5YR 4/6), loose						
32.5									
35		SW-SM	Collect SA106-35B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.4 ppmV						

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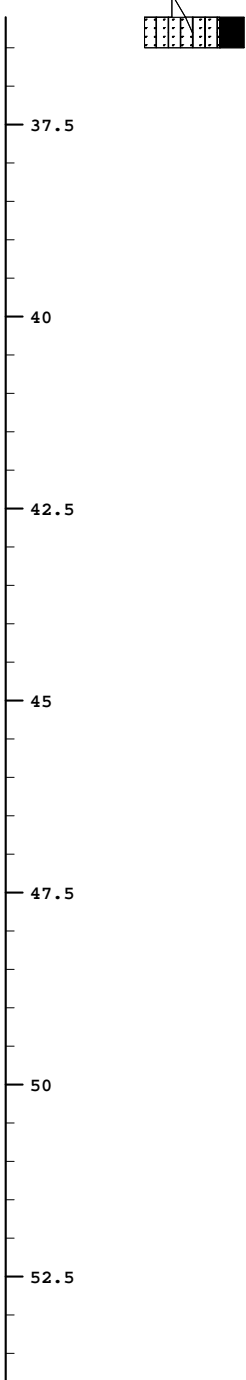
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			<p>END OF BORING AT 36.5 FEET</p>						

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