

EXPLORATION LOG SA53-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

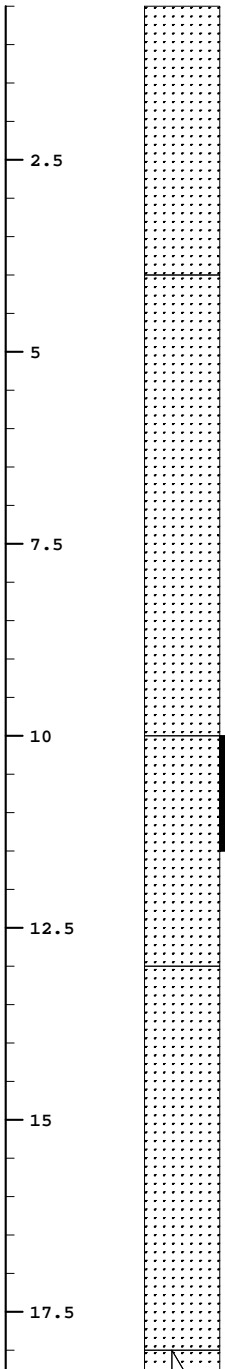
LOGGED BY: SEARS/GAREY

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
<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>2.5</p> <p>5</p> <p>7.5</p> <p>10</p> <p>12.5</p> <p>15</p> <p>17.5</p> </div> </div>		SW	GRAVELLY SAND, reddish brown (5YR 4/4), 85% fine to coarse sand, 15% fine gravel, dense, dry to damp, no plasticity						
		SW	...gravel to 10%, sand to 90%						
		SW	Collect SA53-10B, PID readings: 10.6 eV = 0.7 ppmV, 11.7 eV = 0.3 ppmV						
		SW	...cobble size caliche clasts present						

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		SW	...color to reddish yellow (7.5YR 6/6)						
		SW	...from 22'-23" caliche zone present, gypsum crystal visible						
		SW	...from 24'-25' caliche zone present, gypsum crystals visible						
		SW	Collect SA53-25B, PID readings: 10.6 eV = 0.8 ppmV, 11.7 eV = 6.7 ppmV SAND, reddish yellow (7.5YR 6/6), 100% very fine to coarse sand, dry to damp						
		SW	Collect SA53-32B, PID readings: 10.6 eV = 9.7 ppmV 11.7 eV = 1.6 ppmV SAND, reddish yellow (7.5YR 6/6), 100% fine to medium sand, very dense, dry, no plasticity						
			END OF BORING AT 33.5 FEET						

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