

EXPLORATION LOG SA100

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 7/7/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE


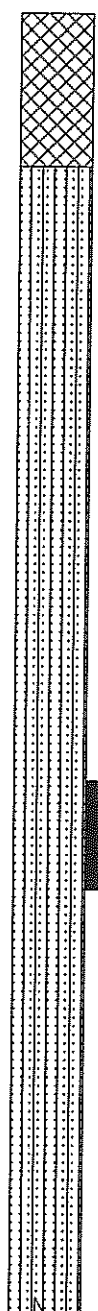

LOGGED BY: SEARS/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		<p style="text-align: center;">Fill</p>	<p style="text-align: center;">SW-SM</p> <p>Well graded SAND with silt. Reddish brown (5YR 4/3); 80-90% sand, 10-20% silt, trace gravel. Low plasticity, dry. 3-5 feet; weakly cemented.</p>						
10			<p>Collect sample SA100-10B, PID values: 10.6 eV=0.3 ppmV, 11.7 eV=0.0 ppmV.</p>						

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.

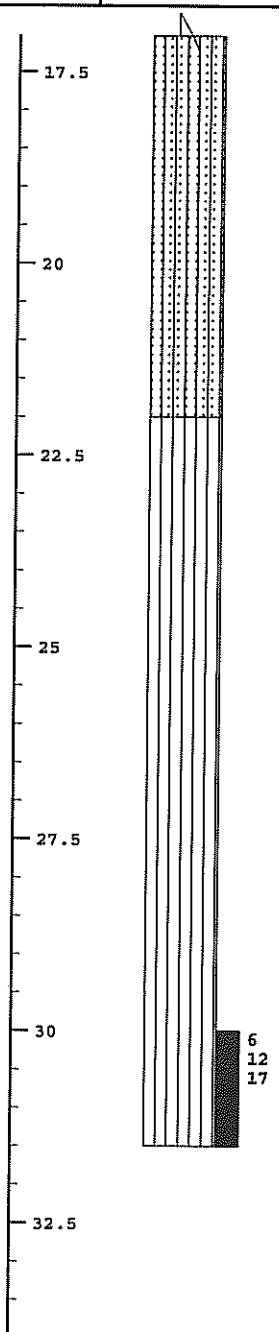
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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
			<p>18-20 feet; gravel 3-8%, subangular to subrounded, <2 inches diameter, volcanic. Weakly cemented.</p> <p>21-22 feet; weakly cemented, caliche lenses/nodules <2 inches diameter.</p>						
		ML	<p>Muddy Creek Formation. SILT with sand, reddish brown (2.5YR 5/3) 80-90% silt, 10-20% fine grained sand, trace clay, trace gypsum. Gypsum disseminated throughout as fine grained crystal aggregates.</p>						
			<p>28 feet; moist.</p>						
			<p>Collect sample SA100-30B. Very stiff, moist. PID readings: 10.6 eV=0.1 ppmV, 11.7 eV=0.0 ppmV.</p>						
			<p>END OF BORING AT 31.5 FEET</p>						

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