

EXPLORATION LOG SA179-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 7/28/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/FERRINGER

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)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
0		Fill							
2.5		SW-SM	Reddish yellow (5YR 6/8) well graded sand with silt (70-80% fine-medium grained sand, 10-20% coarse sand, 10% silt), trace gravel <1" in diameter, volcanic, low plasticity, weak reaction to HCl, loose, dry. Collect sample SA179-0.5B, SA179-0.5BMS, SA179-0.5BMSD. PID readings: 10.6eV=0.4 ppmV, 11.7eV=0.0 ppmV.						
7.5		SW-SM	Reddish brown (2.5YR 5/4) SAND with silt (70-80% fine-medium grained sand, 10% coarse sand, 10% silt, trace gravel, <1" diameter, volcanic, trace caliche nodules <1" diameter), moderate reaction with HCl, low plasticity.						
10		SP-SM	Reddish brown (2.5YR 5/4) poorly graded sand with silt (85-90% fine-medium grained sand, 10-15% silt, trace gravel, <0.75 inches diameter, volcanic, no reaction with HCl, low-moderate plasticity.						

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.

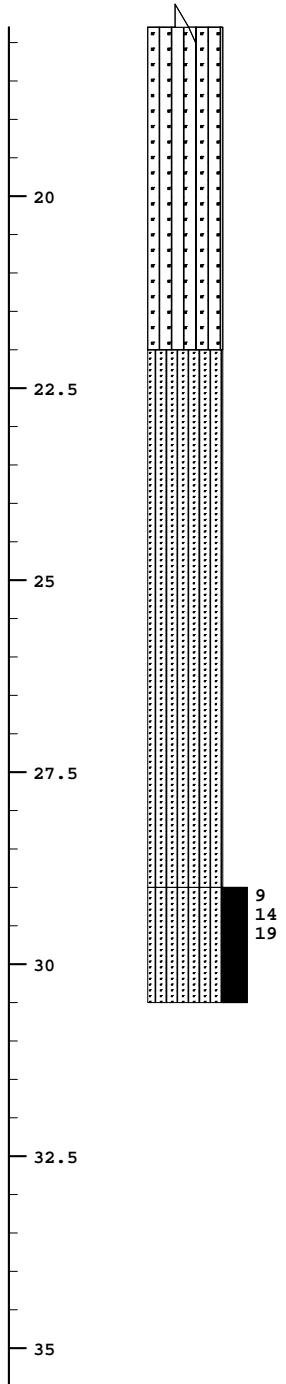
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			...moderate-strong cementation, gypsum cement.						
22.5		SM	Light brown (7.5YR 6/4) poorly graded silty SAND. (80-85% fine grained sand, 15-20% silt, trace gravel <0.5 inches diameter), strong reaction to HCl, moderate plasticity.						
25									
27.5									
30		SM	Muddy Creek Formation. Reddish brown (2.5YR 5/4) silty SAND (80-85% fine grained sand, 15-20% silt, trace clay), loose to medium dense, high plasticity, wet. Collect sample SA179-29B, PID readings: 10.6eV=0.3 ppmV, 11.7eV=0.0 ppmV. END OF BORING AT 30.5 FEET						
32.5									
35									

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