

EXPLORATION LOG RSAP7-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-27-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A
DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
0	15 17 17		PAVE ASPHALT approximately 4" thick						
2.5	22 17 21		FILL Collect RSAP7-0.5B, RSAP7-0.5BMS, RSAP7- 0.5BMSD, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV FILL: SAND with gravel, dark reddish brown (5YR 3/3), 90% fine to coarse sand, 10% fine to coarse gravel, damp SAND with gravel, dark reddish brown (5YR 3/4), 90% fine to coarse sand, 10% fine to coarse sub-angular to sub-rounded volcanic gravel, medium loose, dry, no plasticity, strong HCl reaction						
5									
7.5									
10									
12.5									
15									

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		SW	SAND with gravel, dark reddish brown (5YR 3/4), 90% fine to coarse sand, 10% fine to medium gravel, trace coarse gravel up to 3" diameter, trace caliche fragments, dense, dry, no plasticity, strong HCl reaction						
		SW	Collect RSAP7-25B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...reddish brown (5YR 4/4), no gravel						

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		SW	...white gypsum cemented sand						
		SP	SAND, light reddish brown (5YR 6/4), 100% very fine to fine sand, loose to medium loose, dry, no plasticity, weak HCl reaction						
		SP	Collect RSAP7-41B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV ...weak gypsum cementation						
			END OF BORING AT 42.5 FEET						

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