

EXPLORATION LOG SA45-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-9-2009

EXPLORATION SIZE (dia.): 6.25" 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
		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, trace caliche nodules, loose to medium dense, dry, no plasticity, strong HCl reaction						
		SW	Collect SA45-10B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV ...gravel content reduced to trace amounts						
		SW	...gravel content to approximately 5%						

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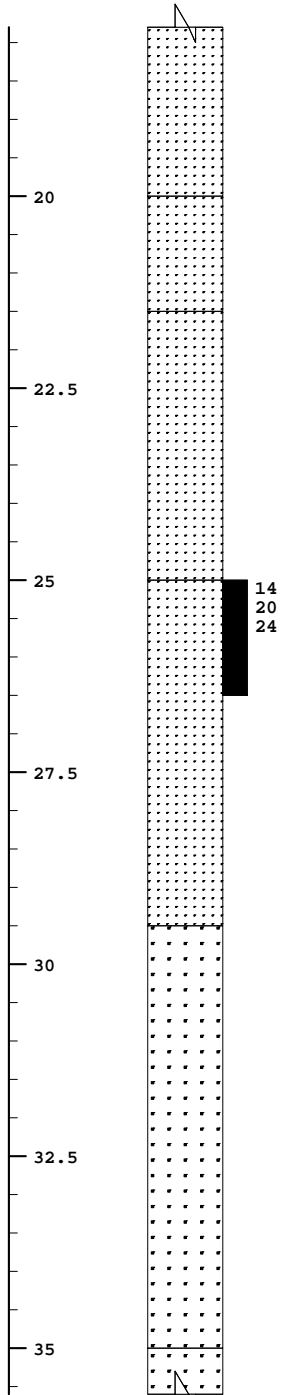
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20		SW	...20' to 20.5' below ground surface (BGS) strongly cemented zone (calcite and gypsum cement)						
22.5		SW	...gravel content to approximately 10%, mostly fine gravel						
25		SW	Collect SA45-25B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 2.2 ppmV						
27.5		SP	SAND with silt, reddish yellow (5YR 6/8), approximately 5% silt, 95% very fine to fine sand, trace caliche nodules present, damp, low plasticity, weak HCl reaction						
30		SP	...color to reddish brown (5YR 4/4)						
32.5									
35									



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		SP	Collect SA45-36B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 3.3 ppmV						
			END OF BORING AT 37.5 FEET						

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