EXPLORATION LOG RSAP7-A3

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1 **EXPLORATION LOCATION:** TRONOX AREA 3 **EXPLORATION DATE:** 10-27-2009 **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 CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) Pocket Penetrometer (tsf) WELL ELEVATION/ SOIL & SAMPLE \exists USCS **DESCRIPTION DEPTH** SYMBOLS PAVE ASPHALT approximately 4" thick Collect RSAP7-0.5B, RSAP7-0.5BMS, **FILL** RSAP7- 0.5BMSD, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmVFILL: SAND with gravel, dark reddish brown SW (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 HCI reaction 7.5 10 SW ...weakly cemented 12.5 SW ...gravel to 5%, trace caliche fragments SW Collect RSAP7-14B, PID readings: 10.6 eV = 17 21 0.0 ppmV, 11.7 eV = 0.0 ppmV15 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. Figure No.

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

EXPLORATION LOG RSAP7-A3

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 3 **EXPLORATION DATE:** 10-27-2009

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

FINAL DEP	IH IO WATER:	NOT EN	COUNTERED DATE MEASURED:	IN/	١				
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	₫	П	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 17.5 - - - - - 20 -									
- - 22.5 - - -		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						
- 25 - - - - - 27.5 -	20 29 31	SW	Collect RSAP7-25B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						
- - - 30 - -		SW	reddish brown (5YR 4/4), no gravel						
- - 32.5 - - -		d within this ca	xploration log apply only at the specific exploration logation and at t	no tirri	no tha	pyplorotic	n was mo		

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Figure No.

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PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1 **EXPLORATION LOCATION:** TRONOX AREA 3 **EXPLORATION DATE:** 10-27-2009 **EQUIPMENT:** SDC550-24 SONIC CORE RIG EXPLORATION SIZE (dia.): 3" CORE BARREL **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 WELL CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) Pocket Penetrometer (tsf) ELEVATION/ SOIL & SAMPLE \exists USCS **DESCRIPTION DEPTH SYMBOLS** 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 37.5 40 7 12 15 SP Collect RSAP7-41B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV...weak gypsum cementation 42.5 **END OF BORING AT 42.5 FEET** 47.5 50

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Figure No.