## EXPLORATION LOG SA103-A4

EXPLORAT EXPLORAT ELEVATION	TRONOX PHASE TION LOCATION: TION SIZE (dia.): N: EXISTING GRO PTH TO WATER: TH TO WATER:	PROJECT NO.: 20092518V1 EXPLORATION DATE: 10-6-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/GAREY DATE MEASURED: N/A DATE MEASURED: N/A								
elevation/ Depth	SOIL & SAMPLE SYMBOLS USCS DESC		DESCRIP	TION	Ы	٦٦	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 2.5	36 50 36	FILL	Collect SA103-0.5B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV FILL: SAND with gravel, SW, reddish brown (5YR 5/4), 80% fine to coarse sub- angular to sub-rounded sand, 20% fine to medium gravel, trace concrete debris, dense to very dense,							
- - - - - - - - - - - - - - - - - - -		SW	Ary, no plasticity SAND, reddish brown (5' coarse sand, 5% fine to n 2" diameter, medium der strong HCI reaction	medium gravel up to						
- 10 - - - - - 12.5	12 12 16	SW	Collect SA103-10B, SA1 readings: 10.6 eV = 0.2 ppmV							
- - - - - - - - - - - - - - - - - - -	he descriptions contained	SW	SAND, reddish brown (5' coarse sand, 5% fine to r dense, dry, no plasticity,	nedium gravel, strong HCI reaction		le the	avploration		6	

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Figure No.

## EXPLORATION LOG SA103-A4

PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 4				PROJECT NO.: 20092518V1 EXPLORATION DATE: 10-6-2009							
EXPLORATION SIZE (dia.): 3" CORE BARREL				EQUIPMENT: SDC550-24 SONIC CORE RIG							
	N: EXISTING GRO	LOGGED BY: SEARS/GAREY									
INITIAL DE	PTH TO WATER: TH TO WATER:	DATE MEASURED: N/A DATE MEASURED: N/A									
LEVATION/ SOIL & SAMPLE DEPTH SYMBOLS USCS			DESCRIF	PTION	Ы	Ц	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
- - - 20 - - - - 22.5 -		SW	1' thick layer of moder gypsum cementation	ate calcite and							
- - - 25 - -	26 50/5	SP SP	SAND, light reddish brow very fine to fine sand, de plasticity, variable calcit cementation, weak HCI Collect SA103-25B, PID 0.3 ppmV, 11.7 eV = 0.0	ense, dry, low e and gypsum reaction readings: 10.6 eV =							
- 27.5 - - -		SP	SAND, yellowish red (5 98% very fine to fine sub rounded sand, trace cal medium loose, damp, lo	o-angular to sub- cite concretions,							
- 30 - - - - 32.5											
E T	he descriptions contained	within this e	xploration log apply only at the speci ed to be representative of subsurfac	ific exploration location and at	the time	ne the e	exploration	n was mac	le.		

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Figure No.

## EXPLORATION LOG SA103-A4

EXPLORA1 EXPLORA1	TRONOX PHASE ION LOCATION: ION SIZE (dia.): I: <u>EXISTING GRO</u>	BARREL	PROJECT NO.: 20092518V1   EXPLORATION DATE: 10-6-2009   EQUIPMENT: SDC550-24 SONIC CORE RIG   LOGGED BY: SEARS/GAREY							
	PTH TO WATER: TH TO WATER:		DATE MEASURED: DATE MEASURED:							
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION			۲۲	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 35 - - -	6 12 14	SP	Collect SA103-35B, PID 11.7 eV = 0.0 ppmV silt content increasing	, medium plasticity						
- 37.5 - - - - - 40										
- - - - 42.5										
- - - - 45 -										
- - 47.5 -										
- - - 50 -										
Γ	he descriptions contained It i		ploration log apply only at the specied to be representative of subsurface			ne the enes.	exploratio <b>Fi</b>	n was mac gure No	le. <b>D.</b>	