## EXPLORATION LOG SA185-A2

PROJECT: TRONOX PHASE B				PROJECT NO.: 20092518V1						
EXPLORATION LOCATION: TRONOX AREA 2			-	EXPLORATION DATE: 8/26/2009						
EXPLORATION SIZE (dia.): 6" CORE BARREL  ELEVATION: EXISTING GROUND SURFACE				EQUIPMENT: SDC550-24 SONIC CORE RIG						
			URFACE L	LOGGED BY: SEARS/GAREY						
	PTH TO WATER: PTH TO WATER:			ATE MEASURED: ATE MEASURED:	_					
ELEVATION/ DEPTH			uscs DESCRIPTION		Id	T	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 2.5 5 		SW	ALLUVIUM: SAND with grave (5YR 4/4), 90% fine to coars 10% fine to coarse gravel at angular to rounded, volcanion on plasticity, strong HCI reactementation	rse grained sand, and cobbles, sub- corigin, loose, dry, ction, very little						
- 7.5 - - - - 10 - - - - 12.5	12 13 14	SW	Collect sample SA185-10B, SA185-10BMSD SAND with gravel, reddish 90% fine to coarse grained coarse gravel and cobbles, rounded, volcanic origin, lo plasticity, strong HCl reaction cementation, no odor	SA185-10BMS,  n brown (5YR 4/4), sand, 10% fine to sub-angular to ose, dry, no						
- - - 15 - - - - 17.5	. N.		caliche nodules up to 3" d							

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It is not intended to be representative of subsurface conditions at other locations or times.

## EXPLORATION LOG SA185-A2

EXPLORATE EXPLORATELEVATION INITIAL DE	TRONOX PHASE FION LOCATION: FION SIZE (dia.): N: EXISTING GRO PTH TO WATER: PTH TO WATER:	DX AREA 2 E BARREL URFACE  NCOUNTERED  EXPLORATION DATEMEASURED:  EQUIPMENT: SDC LOGGED BY: SEA  DATE MEASURED:	PROJECT NO.: 20092518V1  EXPLORATION DATE: 8/26/2009  EQUIPMENT: SDC550-24 SONIC CORE RIG  LOGGED BY: SEARS/GAREY  DATE MEASURED: DATE MEASURED:						
ELEVATION/ DEPTH			DESCRIPTION	ā	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- - 20 - - - - 22.5			from 19'-19.5' semi-hard caliche present, light brown (7.5YR 6/4), no plasticity, strong HCI reaction, moderately cemented						
- 25 - - - - - 27.5	14 24 33	SW	Collect SA185-25B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.  SAND with gravel, reddish brown (5YR 4/4), 90% fine to coarse grained sand, 10% fine to coarse gravel and cobbles, sub-angular to rounded, volcanic origin, loose, dry, no plasticity, strong HCI reaction, very little cementation						
- - - 30 - - - - - - - - -		SW	gypsum present, no HCl reaction						
- - - - 35 -		SP	SAND, reddish yellow (7.5YR 6/8), 100% very fine to fine sand, sub-angular to sub-rounded, no plasticity, no HCl reaction, strong to weak gypsum cementation						

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## EXPLORATION LOG SA185-A2

PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 2 EXPLORATION SIZE (dia.): 6" CORE BARREL ELEVATION: EXISTING GROUND SURFACE			E BARREL	PROJECT NO.: 20092518V1 EXPLORATION DATE: 8/26/2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/GAREY									
INITIAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED:													
ELEVATION/ DEPTH			DESCRIPTION		ď	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION			
- - - 37.5 - -			damp to moist, loose to cemented	very dense when									
- 40 - -	6 10 13	SP	Collect SA185-41B, PID r	١V									
- 42.5 - -			silt content increases to plasticity, weak HCl reac END OF BORING	tion ,									
- <b>45</b> - - -													
- 47.5 - - -													
- - 50 - -													
- - 52.5 - -													

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Figure No.