EXPLORA EXPLORA	TRONOX PHASE TION LOCATION: TION SIZE (dia.):	X AREA 4 E BARREL E	PROJECT NO.: 20092518V1 EXPLORATION DATE: 7/29/2009 EQUIPMENT: BOART SONIC CORE RIG										
ELEVATIO	N: EXISTING GRO	DUND SI	JRFACE L	OGGED BY: BOA	RT/N	IULH	IOLLA	ND					
INITIAL DEPTH TO WATER:NOT ENCOUNTEREDDATE MEASURED:FINAL DEPTH TO WATER:NOT ENCOUNTEREDDATE MEASURED:													
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTI	ON	Ы	L.	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION			
_ °		PAVE	Concrete slab.										
- - - - - - - - - - - - - - - - - - -		SM	Collect sample RSAU4-0.5E Pale brown (10YR 6/8), silty medium to coarse sand, 209 10% fine to coarse gravel, n	V SAND 70% % non plastic fines,									
- - - - - - - - - - - - - 12.5			10-12 feet, 10% coarse grav Collect sample RSAU4-10B ppmV.										
- - - - 15 - - - - - - - 17.5			pale brown (10YR 6/3) to brown (10YR 6/4).	light yellowish									

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.

PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 4 EXPLORATION SIZE (dia.): 6" CORE BARREL ELEVATION: EXISTING GROUND SURFACE			BARREL	PROJECT NO.: 20092518V1 EXPLORATION DATE: 7/29/2009 EQUIPMENT: BOART SONIC CORE RIG LOGGED BY: BOART/MULHOLLAND							
INITIAL DE	PTH TO WATER:		NCOUNTERED	DATE MEASURED: DATE MEASURED:	NA		IOLLA				
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIP	TION	PI	H	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
- - - - - - - - - - - - - - - - - - -			pale brown (10YR 6/3). Collect sample RSAU4-20 ppmV. Collect sample RSAU4-25								
- - - - - - - - - -		CALI	ppmV. White (10YR 8/1) to light to coarse grained caliche strong cementation, reac	gray (10YR 7 1), fine nodules, moderate to							
- 30 - - - - - 32.5 - -		SM	Light yellowish brown (10 75% medium to coarse gr plastic fines, 5% coarse g	ained sand, 20% non ravel.							
- 35 -		ML	MUDDY CREEK FORMA brown (10YR 5/6) SILT, 9 grained sand, trace fine g	5% fines, 5% fine							

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Figure No.

EXPLORA EXPLORA	TRONOX PHASE TION LOCATION: TION SIZE (dia.):	DX AREA 4EXPLORATION DAE BARRELEQUIPMENT: BOA	PROJECT NO.: 20092518V1 EXPLORATION DATE: 7/29/2009 EQUIPMENT: BOART SONIC CORE RIG LOGGED BY: BOART/MULHOLLAND							
INITIAL DE	EPTH TO WATER: PTH TO WATER:	NOT EN	NCOUNTERED DATE MEASURED	NA	L.					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Ы	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
- 37.5 - 40 - 40 - 40 - 42.5 - 42.5 - 45 - 45 - 45 - 45 - 45 - 50 - 50 - 50 - 52.5			 trace caliche nodules, some (5%) coarse grained. Collect sample RSAU4-40B; PID reading: 0.0 pmV. brownish yellow (10YR 6/6). Collect sample RSAU4-45B; PID reading: 0.0 pmV. 							

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GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

PROJECT: TRONOX PHASE B

EXPLORATION LOCATION: TRONOX AREA 4 EXPLORATION SIZE (dia.): 6" CORE BARREL ELEVATION: EXISTING GROUND SURFACE PROJECT NO.: 20092518V1 EXPLORATION DATE: 7/29/2009

EQUIPMENT: BOART SONIC CORE RIG

LOGGED BY: BOART/MULHOLLAND

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

DATE MEASURED: NA DATE MEASURED: NA

EVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Ы	ΓГ	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- - - 55		SM	Brownish yellow (10YR 6/6) silty SAND, 75% coarse sand, 20% non plastic fines, 5% coarse gravel, moist to wet.						
-			Collect sample RSAU4-56B; PID reading 0. 0 ppmV.						
- 57.5			END OF BORING AT 57.5 FEET						
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- 60									
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- 62.5									
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— 65									
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- 67.5									
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— 70									
F									

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