EXPLORATION LOG RSAS8-A3

PROJECT: EXPLORAT	PROJECT NO.: 20092518V1 EXPLORATION DATE: 10-28-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG									
EXPLORATION SIZE (dia.): 3" CORE BARREL								ORE R	G	
ELEVATIO	N: EXISTING GRO	OUND SU	IRFACE	LOGGED BY: SEAI	RS/0	GARE	ΞY			
INITIAL DE	PTH TO WATER:	NOT EN	COUNTERED	DATE MEASURED:	N/A	4				
FINAL DEP	TH TO WATER:	NOT ENG	COUNTERED	DATE MEASURED:		4				
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS DESCRIPTION		ION	⊡	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
							0		ш	ŭ
□ °		PAVE	ASPHALT approximately 4" thick Collect RSAS8-0.5B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium gravel, trace caliche fragments, dense, damp, no plasticity, strong HCI							
- - - - 2.5 -	29 50 40	SW								
- - - 5 - -		SW	\ <u>reaction</u> dry	/						
- - - 7.5 - -										
- 10 - - -	25 21 25	SW	Collect RSAS8-10B, PID 0.0 ppmV, 11.7 eV = 0.1 gravel to 10%							
12.5 - -		SW	gravel is rounded							
- 15 -										
T T		SP	SAND, light brown (7.5YR	6/4), 100% very fine						
T	he descriptions contained It i	s not intend	xploration log apply only at the specific ed to be representative of subsurface	conditions at other locations	or tin	ne the energy of the mes.		n was mad qure N o		

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EXPLORATION LOG RSAS8-A3

EXPLORAT EXPLORAT	TRONOX PHASE FION LOCATION: FION SIZE (dia.): N: EXISTING GRO		PROJECT NO.:20092518V1EXPLORATION DATE:10-28-2009EQUIPMENT:SDC550-24 SONIC CORE RIGLOGGED BY:SEARS/GAREY							
	PTH TO WATER: TH TO WATER:	NCOUNTERED COUNTERED	DATE MEASURED: N/A DATE MEASURED: N/A							
ELEVATION/ SOIL & SAMPLE DEPTH SYMBOLS		USCS	DESCRIPTION			LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 17.5 - -		SP	to fine sand, dry, heavily moderate gypsum cen							
- 20	· · · · · · · · · · · · · · · · · · ·	SP	light reddish brown (5)	YR 6/4)						
- 22.5		SP	SAND, strong brown (7.9 fine to fine sand, weak g no HCI reaction							
- 25 - - -	10 22 30	SP	Collect RSAS8-25B, PIE 0.0 ppmV, 11.7 eV = 0.2							
- 27.5		SP	SAND, yellowish red (5 ¹ 97% very fine to fine sar damp, medium plasticity cementation	nd, medium dense,						
- 30 - - - - 32.5 -		SP	reddish yellow (5YR 6	i/8), 5% silt						

Figure No.

EXPLORATION LOG RSAS8-A3

PROJECT: TRONOX PHASE B PROJECT NO.: 200 EXPLORATION LOCATION: TRONOX AREA 3 EXPLORATION DAT EXPLORATION SIZE (dia.): 3" CORE BARREL EQUIPMENT: SDC ELEVATION: EXISTING GROUND SURFACE LOGGED BY: SEAF INITIAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED:					E: 10-28-2009 550-24 SONIC CORE RIG RS/GAREY <u>N/A</u> <u>N/A</u>						
LEVATION/ SOIL & SAMPLE DEPTH SYMBOLS		USCS	DESCRIP	TION	₫	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
- 35 - 37.5 - 40 - 40 - 42.5 - 42.5 - 45 - 45 - 45 - 45 - 50		SP	Collect RSAS8-35B, RS 35BMSD, PID readings: 11.7 eV = 0.1 ppmV SAND with silt, reddish y silt, 95% very fine to fine medium plasticity END OF BORING /	10.6 eV = 0. 0 ppmV, vellow (5YR 6/8) , 5% e sand, loose, damp,	,						
L T	he descriptions contained It i		xploration log apply only at the speci ed to be representative of subsurfac			ne the ones.	exploratio Fi	n was mac gure No	le. D.		

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