



FIELD BOREHOLE LOG

BOREHOLE NO.: **BH-01**

TOTAL DEPTH: **13'**

PROJECT INFORMATION

PROJECT: **TEP-Black Sulphur Invest**
SITE LOCATION: **Gov. 298-26-1 Well Pad**
LOGGED BY: **Matt Smith**
PROJECT MANAGER: **Kris Rowe**
DATES DRILLED: **12/8/20**

DRILLING INFORMATION

DRILLING CO.: **HRL Compliance Solutions**
DRILLER: **Mike Vaughn**
RIG TYPE: **D-90**
METHOD OF DRILLING: **Auger**
SAMPLING METHODS: **Split Spoon**
HAMMER WT./DROP: **3.25" Solid Stem**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0		SC	Topsoil: Well sorted, loose organic. No VOCs or moisture present.				
				2			
				2			
		SW	Clay and Silt: Stiff, well sorted, fine, dark brown, high plasticity, black staining @ 5'. Strong VOCs from 5-10'. No moisture present.	3			
				25			
5							
				18			
				26			
	30						
	18						
		GM	Clayey Gravel: Poorly sorted (sm-med) gravels with interbedded fines. Mild VOCs observed. No moisture present.	15			
				26			
				25			
				19			

Native Material



BOREHOLE NO.: **BH-02**

TOTAL DEPTH: **13'**

DRILLING INFORMATION

PROJECT: **TEP-Black Sulphur Invest**

DRILLING CO.: **HRL Compliance Solutions**

SITE LOCATION: Gov. 298-26-1 Well Pad

DRILLER: **Mike Vaughn**

LOGGED BY: **Matt Smith**

RIG TYPE: **D-90**

PROJECT MANAGER: Kris Rowe

METHOD OF DRILLING: **Auger**

DATES DRILLED: 12/8/20

SAMPLING METHODS: **Split Spoon**

HAMMER WT./DROP 3.25" Solid Stem

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0	[Brown cross-hatch pattern]	SC	Topsoil: Well sorted, loose organic. No VOCs or moisture present.				
	[Green dotted pattern]	SW	Clay and Silt: Stiff, well sorted, fine, dark brown, high plasticity, black staining @ 5'. Strong VOCs from 6-11'. No moisture present.	2 2 4 5			
	[Green diagonal lines with circles]	GM	Clayey Gravel: Poorly sorted (sm-med) gravels with interbedded fines. Mild VOCs observed. No moisture present.	18 12 19 18 15 26 25 19			



BOREHOLE NO.: **BH-03**

TOTAL DEPTH: **13'**

DRILLING INFORMATION

PROJECT: **TEP-Black Sulphur Invest**

DRILLING CO.: **HRL Compliance Solutions**

SITE LOCATION: Gov. 298-26-1 Well Pad

DRILLER: **Mike Vaughn**

LOGGED BY: **Matt Smith**

RIG TYPE: **D-90**

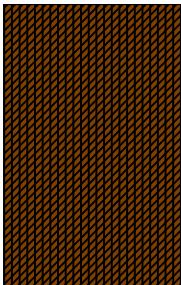
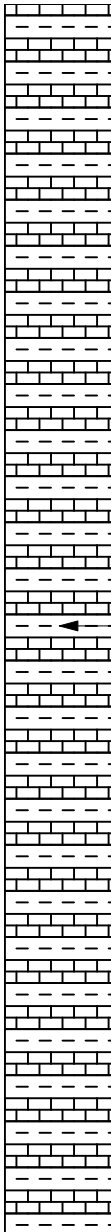
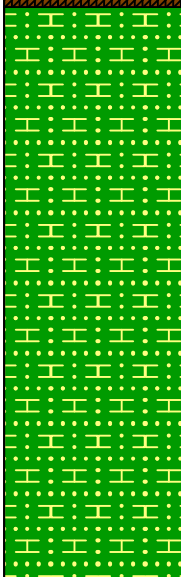
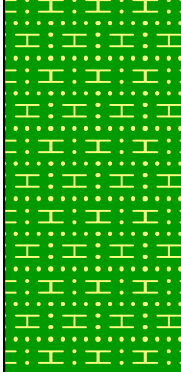
PROJECT MANAGER: Kris Rowe

METHOD OF DRILLING: **Auger**

DATES DRILLED: 12/8/20

SAMPLING METHODS: **Split Spoon**

HAMMER WT./DROP **3.25" Solid Stem**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0		SC	Topsoil: Well sorted, loose organic. No VOCs or moisture present.				
5		SW	Clay and Silt: Stiff, well sorted, fine, dark brown, high plasticity, black staining @ 5'. Strong VOCs from 6-11'. No moisture present.	8			Native Material ←
				7			
				5			
				2			
10		GM		5			
				12			
				13			
				12			
				15			
				26			
				25			
				19			



HRL
COMPLIANCE
SOLUTIONS

FIELD BOREHOLE LOG

BOREHOLE NO.: **BH-04**

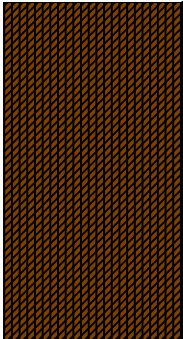
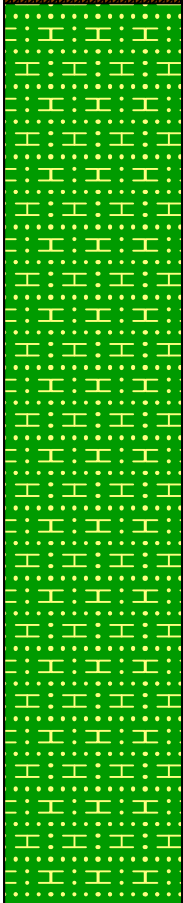
TOTAL DEPTH: **11'**

PROJECT INFORMATION

PROJECT: **TEP-Black Sulphur Invest**
SITE LOCATION: **Gov. 298-26-1 Well Pad**
LOGGED BY: **Matt Smith**
PROJECT MANAGER: **Kris Rowe**
DATES DRILLED: **12/8/20**

DRILLING INFORMATION

DRILLING CO.: **HRL Compliance Solutions**
DRILLER: **Mike Vaughn**
RIG TYPE: **D-90**
METHOD OF DRILLING: **Auger**
SAMPLING METHODS: **Split Spoon**
HAMMER WT./DROP: **3.25" Solid Stem**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0		SC	Topsoil: Well sorted, loose organic. No VOCs or moisture present.				
5		GM	Clay and Silt: Well sorted, fine, dark brown, mod plasticity, black staining @ 5'. Mild VOCs from 6-11'. No moisture present.	6 7 5 3			
10				5 12 18 16			

Native Material



BOREHOLE NO.: **BH-05**

TOTAL DEPTH: **11'**

DRILLING INFORMATION

PROJECT: **TEP-Black Sulphur Invest**

DRILLING CO.: **HRL Compliance Solutions**

SITE LOCATION: Gov. 298-26-1 Well Pad

DRILLER: **Mike Vaughn**

LOGGED BY: **Matt Smith**

RIG TYPE: **D-90**

PROJECT MANAGER: Kris Rowe

METHOD OF DRILLING: **Auger**

DATES DRILLED: 12/8/20

SAMPLING METHODS: **Split Spoon**

HAMMER WT./DROP 3.25" Solid Stem

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0							
		SC	Topsoil: Well sorted, loose organic. No VOCs or moisture present.				
		GM	Clay and Silt: Well sorted, fine, dark brown, mod plasticity, black staining @ 5'. Mild VOCs from 6-11'. No moisture present.	2			
				2			
				2			
				3			
5							
				6			
				21			
10		CL	Clayey Gravel: Poorly sorted, fine, (sm-md) gravels, reddish brown. Mild VOCs and no moisture present.	16			
				25			



HRL
COMPLIANCE
SOLUTIONS

FIELD BOREHOLE LOG

BOREHOLE NO.: **BH-06**

TOTAL DEPTH: **13'**

PROJECT INFORMATION

PROJECT: **TEP-Black Sulphur Invest**
SITE LOCATION: **Gov. 298-26-1 Well Pad**
LOGGED BY: **Matt Smith**
PROJECT MANAGER: **Kris Rowe**
DATES DRILLED: **12/8/20**

DRILLING INFORMATION

DRILLING CO.: **HRL Compliance Solutions**
DRILLER: **Mike Vaughn**
RIG TYPE: **D-90**
METHOD OF DRILLING: **Auger**
SAMPLING METHODS: **Split Spoon**
HAMMER WT./DROP: **3.25" Solid Stem**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			Topsoil: Well sorted, loose organic. VOCs present with black staining @3' and below. No moisture present.				
		SC		2			
				2			
				2			
				3			
5			Clay and Silt: Well sorted, fine, dark brown, mod plasticity'. VOCs from 5-11'. No moisture present.				
		GM		6			
				21			
10			Clayey Gravel: Poorly sorted, fine, (sm-md) gravels, reddish brown. Mild VOCs and no moisture present.	6			
		CL		15			
				18			
				15			
				26-3"			

Native Material