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For Review / Comment

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FIRM:	TVA	SUBJECT:	Field BORING Logs NB - 18, 21, 25, and 47.
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# MACTEC SOIL TEST BORING FIELD REPORT

BORING NO. NB-18 PG. 1 OF 1

RIG TYPE ATV HAMMER TYPE AUTO

JOB NO. 304301021 DRILLER G. Akins HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_

JOB NAME TVA Kingston LOGGED BY T. Venti HOURS MOVING \_\_\_\_\_ DATE: 5/18 WEATHER: Sunny

No. Depth	SAMPLING			SCALE	ID	RES	SOIL DESCRIPTION	REMARKS
	IN	IN	IN					
							<u>Topsoil removed by Dozer</u>	<u>Note: BORING OFFSET 6.5 FT S 82° W.</u>
	<u>12.5-4</u>	<u>4</u>	<u>4</u>	<u>7</u>		<u>1.0</u>	<u>STIFF Brown to Red Fine sand</u>	
	<u>25-6.5</u>	<u>4</u>	<u>6</u>	<u>10</u>		<u>1.2</u>	<u>sl. moist silty clay with a few chert fragments - Residual (weathered)</u>	
	<u>4016.5-8.5</u>					<u>1.2</u>	<u>Very stiff Red Brown dry to slightly moist silty clay with chert fragments (weathered) - Residual</u>	
	<u>4029-11</u>					<u>1.9</u>		
	<u>40311.5-13.5</u>					<u>1.9</u>		
	<u>315-16.5</u>	<u>4</u>	<u>4</u>	<u>4</u>		<u>1.5</u>	<u>Firm Red Brown slightly moist LEAN clay with chert fragments - Residual</u>	<u>From 15.1 to 16.3' very cherty zone</u>
	<u>40416.5-18.5</u>					<u>1.7</u>		<u>- Driller noted chert @ 19.0 FT</u>
	<u>40519.5-21.5</u>					<u>0</u>	<u>- TUBE CRUSHED @ 19.9 FT</u>	
	<u>40622.5-23.0</u>					<u>0</u>	<u>- TUBE CRUSHED @ 22.5 FT</u>	
	<u>4 22.5</u>	<u>50</u>				<u>0</u>		
	<u>22.6</u>						<u>AUGER REFUSAL @ 23.0 FT</u>	

STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND 6" AND 3RD 6" TO DRIVE 1-3/4" I.D., 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

BORING TERMINATED: 23.0 FT  
 BORING REFUSAL: 23.0 FT  
 WATER TOB DEPTH NOT ENCOUNTERED  
 WATER 24 HR. DEPTH NOT ENCOUNTERED  
 WATER LOSSES \_\_\_\_\_  
 CAVE-IN DEPTHS \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER	<u>3 1/4"</u> 0 TO <u>23.0 FT</u>
HAND SHOP: W/MUD: W/WATER	TO _____
ROTARY DRILL: W/MUD: W/WATER	TO _____
DIAMOND CORE	TO _____
CORE SIZE	TO _____
UNDISTURBED SAMPLES NO <u>4</u> SIZE <u>3"</u> (6 Attempts)	
BAG SAMPLER	



SOIL TEST BORING FIELD REPORT

JOB NO. 3043051021 DRILLER M. Burnett  
JOB NAME TVA KINGSTON LOGGED BY J. Mason

BORING NO. NB-21 PG. 1 OF 2  
HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_  
HOURS MOVING \_\_\_\_\_ DATE: 5/17/05 WEATHER: \_\_\_\_\_

No. Depth	SAMPLING			SCALE	LB	REC	SOIL CLASSIFICATION	REMARKS
	1st 8"	2nd 8"	3rd 8"					
1 <sup>0</sup> / <sub>1.5</sub> 1404	6	3	3	0	0.8	0.0	0.5 ft: Firm, 10YR 7/6 dark yellowish brown, sandy SILT. (Topsoil). Dry. 0.5 to 0.8 ft: firm, 5YR 4/6 yellowish red, slightly sandy, slightly clayey SILT. Dry.	
2 <sup>4</sup> / <sub>5.5</sub> 1410	5	6	8	0	1.2		Stiff 5YR 5/6 to 5YR 4/6 yellowish red, slightly sandy, slightly clayey SILT. Dry.	
3 <sup>14</sup> / <sub>5.5</sub> 14129	4	5	9	0	1.1		Stiff, variegated (alternating horizontal bands of 10YR 6/6 brownish yellow, 5YR 5/6 yellowish red, and 10YR 2/2 very dark brown) silty CLAY, with inter-layered clayey silts and silty sands; after water, layers are typically about 1 cm thick. Slightly moist.	Jan 51R Some light silty, weathered clay at bottom of sample.
4 <sup>24</sup> / <sub>5.5</sub> 14138	5	7	7	0	1.0		Stiff, variegated (cores of yellowish brown, 10YR 7/2 light gray, 10YR 6/8 brownish yellow), slightly clayey, sandy SILT, inter-layered horizontally with fine to medium sands a few millimeters thick. Slightly moist.	
5 <sup>34</sup> / <sub>5.5</sub> 14149	3	3	3	0	1.5		Firm, 2.5Y 4/1 dark gray slightly clayey SILT, horizontally inter-layered with fine to medium sand, up to 1cm thick. Very moist to wet.	
6 <sup>44</sup> / <sub>5.5</sub> 15:01	4	4	4	0	0.9		Same as above.	

STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND 8" AND 3RD 6" TO DRIVE 1-3/8" I.D., 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

Augers refused @ approximately 48.0 ft.

Cone from 49.8 to 49.2 ft; live barrel breaks and remains lodged in boring. Resistance cone (1.0 ft) is 5YR 6/1 light brownish gray to 5YR 4/1 brownish gray DOLOMITE.

BORING TERMINATED: Original: 47.5' Offset: 61.19  
 BORING REFUSAL: (47.8') ; (49.9 FT)  
 WATER TOB DEPTH: 34.0'  
 WATER 24 HR.: DEPTH: 16.2'  
 WATER LOSSES: \_\_\_\_\_  
 CAVE-IN DEPTHS: \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING DEPTH  
 POWER AUGER 3 1/2" 0 TO 49.8'  
 HAND SHOP: WMUD: WWATER \_\_\_\_\_ TO \_\_\_\_\_  
 ROTARY DRILL: WMUD: WWATER \_\_\_\_\_ TO \_\_\_\_\_  
 DIAMOND CORE \_\_\_\_\_ TO \_\_\_\_\_  
 CORE SIZE H22 49.9' TO 61.2'  
 UNDISTURBED SAMPLES NO \_\_\_\_\_ SIZE \_\_\_\_\_  
 BAG SAMPLES NO \_\_\_\_\_

**MACTEC** SOIL TEST BORING FIELD REPORT

BORING NO. NR-21 PG. 2 OF 2  
 RIG TYPE CME 550 HAMMER TYPE AUTO

JOB NO. 3043051021 DRILLER M. Burgett HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_  
 JOB NAME TVA KINSECON LOGGED BY J. Mason HOURS MOVING \_\_\_\_\_ DATE: 5/18/05 WEATHER: \_\_\_\_\_

No. Depth	SAMPLING		SCALE	UL	PL	PS	SOIL CLASSIFICATION	REMARKS
	TIME	TYPE						
Rig offset 5/18/05 to rekill. Auger to refusal @ 49.94 ft.								
49.94 to 61.19 ft.: Dolomite. Mottled appearance; hues range from 5YR 8/1 pinkish gray to 5YR 4/1 brownish gray. Fine grained. Recovered core is indurated; where weathering is more developed, the dolomite is friable with a "sugary" texture, which may indicate siliceous content. Bedding is thin, and at an apparent dip of about 30°. Weathering ranges from slight to complete, with the core exhibiting initial void development throughout, either in the form of 1 to 4 mm voids (prevalent, and throughout the core) or <sup>sum of open</sup> partial voids with the aforementioned sugary texture. Overall, the core is hard.								
The core is slightly fractured, overall. A few bedding plane fractures have been mechanically opened, but the predominant joint set oriented roughly orthogonal to bedding are found at an apparent dip of 40° to 50°, and often exhibit light to heavy iron staining.								
Because of continual blockages, the recorded core may exceed 10 feet (several pulls required to remove blocked core).								
<ul style="list-style-type: none"> <li>Run (from 49.94 to 61.19 ft.; run 11.25 ft., recovered 9.5 ft. (84%) RQD = <math>6.05/11.25 = 54\%</math>)</li> <li>Run time: 1415 - 1437</li> <li>1513 - 1515</li> <li>1549 - 1555</li> <li>1608 - 1610</li> <li>1612 - 1627</li> </ul>								

\*STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND 6" AND 3RD 6" TO DRIVE 1-3/8" I.D. 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

BORING TERMINATED: \_\_\_\_\_  
 BORING REFUSAL: \_\_\_\_\_  
 WATER TOB DEPTH \_\_\_\_\_  
 WATER 24 HR.: DEPTH \_\_\_\_\_  
 WATER LOSSES \_\_\_\_\_  
 CAVE-IN DEPTHS \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER	TO _____
HAND SHOP: W/MUD: W/WATER	TO _____
ROTARY DRILL: W/MUD: W/WATER	TO _____
DIAMOND CORE	TO _____
CORE SIZE	TO _____
UNDISTURBED SAMPLES NO. _____ SIZE _____	
BAG SAMPLES NO. _____	

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MACTEC Knoxville

05/20/05 FRI 11:05 FAX 8655868026

TVA-00004328

# MACTEC SOIL TEST BORING FIELD REPORT

BORING NO. NB-25 PG. 1 OF 2  
RIG TYPE ATV HAMMER TYPE A&B

JOB NO. 3093057024 DRILLER G. ARKINS HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_  
JOB NAME TVA KINOSTRY LOGGED BY T. Justice HOURS MOVING \_\_\_\_\_ DATE: 5/16/05 WEATHER: P. Sunny  
COUPINS

No. Depth	SAMPLING			SCALE	REMARKS
	INCH	FEET	FEET		
1 0-2.0	2/2	2	3	1.7	Topsoil = 0 to 0.2' Firm Red Brown dry to slightly silty clay with chert fragments and black manganese staining - Residue → Very stiff "SAME AS ABOVE"
2 2-4.0	3/5	8	12	1.8	→ Hard "SAME AS ABOVE" except "dry"
3 4-6.0	7/13	15	17	2.0	→ HARD "SAME AS ABOVE" except (fat) clay
4 6-8.0	13/15	15	19	1.9	2.0 Very stiff yellowish brown dry (fat) clay with manganese staining - Residue
5 8-10.0	5/8	11	14	1.9	"SAME AS ABOVE" except with a few chert fragments.
6 10-12	3/5	8	13	2.0	Hard yellowish brown "SAME AS ABOVE"
7 12-14	7/12	16	16	2.0	Very stiff "SAME AS ABOVE"
8 14-16	9/9	13	14	2.0	"SAME AS ABOVE"
9 16-18	7/11	11	13	2.0	"SAME AS ABOVE" except with chert frag - to
10 18-20	9/8	16	14	2.0	Hard "SAME AS ABOVE"
11 20-22	7/11	20	15	2.0	Very stiff yellowish Br dry (fat) clay with black manganese staining - Residue
12 22-24	6/8	11	13	2.0	From 24'-25' SAME AS ABOVE. From 25'-26' - Very stiff Pale Gray and Red Brown dry (fat) clay with chert fragments and black manganese staining - Residue → Very stiff yellowish brown dry to slightly moist (fat) clay with chert fragments and black manganese staining - Residue
13 24-26	7/8	11	13	2.0	"SAME AS ABOVE" except Pale gray and R Br
14 26-28	9/9	11	14	2.0	"SAME AS ABOVE"
15 28-30	7/7	10	14	2.0	STIFF yellowish and Red Brown sl. moist (fat) clay with chert fragments - Residue
16 30-32	5/5	7	7	2.0	"SAME AS ABOVE"
17 32-34	3/5	6	9	2.0	"SAME AS ABOVE"
18 34-36	5/5	7	7	2.0	"SAME AS ABOVE"
19 36-38	4/5	9	5	2.0	"SAME AS ABOVE"

\*STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND, 5" AND 3RD 6" TO DRIVE 1-38" I.D. 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

BORING TERMINATED: 55.5 FT  
 BORING REFUSAL: 55.5 FT  
 WATER TOB DEPTH 53.8 FT  
 WATER 24 HR.: DEPTH \_\_\_\_\_  
 WATER LOSSES \_\_\_\_\_  
 CAVE-IN DEPTHS \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER 3 1/4"	0 TO 55.5 FT
HAND SHOP: WMUD: WWATER	TO _____
ROTARY DRILL: WMUD: WWATER	TO _____
DIAMOND CORE	TO _____
CORE SIZE	TO _____
UNDISTURBED SAMPLES NO _____ SIZE _____	

# MACTEC SOIL TEST BORING FIELD REPORT

BORING NO. NB 25 PG. 2 OF 2

JOB NO. 3043051021 DRILLER G. AKINS

RIG TYPE ATV HAMMER TYPE AUTO

JOB NAME TVA Kingston LOGGED BY T. Justi

HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_

HOURS MOVING \_\_\_\_\_ DATE: 5/19 WEATHER: P. Sunny

No	Depth	SAMPLING			SCALE	BL. LOSS	REMARKS
		1st	2nd	3rd			
20	38-40	3/5	8	7		2.0	SAME AS ABOVE
21	40-42	3/4	5	5		2.0	"SAME AS ABOVE" EXCEPT "SL. MOIST TO MOIST"
22	42-44	4/7	5	8		2.0	SAME AS ABOVE EXCEPT "NO CHERT FRAGMENTS"
23	44-46	3/4	5	5		2.0	SAME AS ABOVE
24	46-48	2/3	3	5		2.0	FIRM "SAME AS ABOVE"
25	48-50	3/3	3	4		2.0	FIRM RDBR moist (fat) clay - Residue
26	50-52	W&L	2	2		2.0	SOFT RDBR moist to very moist (fat) clay with a few chert fragments - Residue
27	52-54	2/1	2	2		2.0	"SAME AS ABOVE"
28	54-55.1	10	27	SD/L		1.1	From 54 to 54.4 - "SAME AS ABOVE" From 54.4 to 55.1 - Very HARD light brownish gray sandy silt with Ddowle slight Fragments - Residue

AUGER REFUSAL @ 55.5 FT

+STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND, 3RD AND 4TH BLOW AND 3RD 6" TO DRIVE 1-3/8" I.D., 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

BORING TERMINATED: 55.5 FT  
 BORING REFUSAL: 55.5 FT  
 WATER TOB DEPTH: 53.8 FT  
 WATER 24 HR.: DEPTH \_\_\_\_\_  
 WATER LOSSES \_\_\_\_\_  
 CAVE-IN DEPTHS \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER <u>3/4"</u>	0 TO <u>55.5 FT</u>
HAND SHOP: W/MUD: W/WATER	TO _____
ROTARY DRILL: W/MUD: W/WATER	TO _____
DIAMOND CORE	TO _____
CORE SIZE	TO _____
UNDISTURBED SAMPLES NO. _____ ON _____ SIZE _____	

# MACTEC SOIL TEST BORING FIELD REPORT

BORING NO. NB-47 PG. 1 OF 2

RIG TYPE CME 550 HAMMER TYPE 1070

JOB NO. 3043051021 DRILLER M. Burnett

HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_

JOB NAME TVA KNESTEN LOGGED BY L. Mason

HOURS MOVING \_\_\_\_\_ DATE: 5/16/05 WEATHER: \_\_\_\_\_

INCL. Depth	SAMPLING			SCALE	UD	REQ.	SOIL CLASSIFICATION	REMARKS
	1"	2"	3"					
1' 0 1/2 1420	3	4	4			0.9	Firm, 10YR 8/4 dark yellowish brown, slightly clayey silty. Slightly moist (topsoil).	
2' 0 1/2 1423	4	3	5			0.8	Firm, 5YR 5/6 to 5YR 4/6 yellowish red (with occasional thin 10YR 2/1 black manganese nodules) very silty clay. Slightly moist.	
3' 0 1/2 1435	4	4	6			1.5	Stiff, 7.5YR 5/6 strong brown with minor 7.5YR 7/8 earthy yellow mottling, and 10YR 2/1 black. Lumps manganese nodules very silty clay. Occasional irregular, 5 mm x 1 cm, very fine sandy rags. Slightly moist.	
4' 0 1/2 1446	3	3	3			1.0	Firm, 7.5YR 4/6 strong brown sandy clay to very coarse, with occasional 2 to 3 mm angular weathered chert fragments very silty clay. Moist to very moist.	
5' 0 1/2 1454	3	2	5			0.6	Firm, 7.5YR 4/6 strong brown slightly sandy clay to coarse, silty clay with 1 to 4 cm angular to sub-angular weathered chert fragments. Very moist to wet.	

STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND 6" AND 3RD 6" AND 3RD 6" TO DRIVE 1-38" I.D., 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

Augers refused at approximately 44.0 ft. Began casing at 39.44 ft. 39.44 ft. of the casing set.

39.44 to 69.44 ft.: DOLOMITE. NF. Light gray to 5YR 6/1 light brownish gray; darker mottling may range to N4 medium dark gray. Fine grained, Cherty, usually in discrete nodules or layers up to a few mm centimeters in thickness. Indurated. Bedding is thin to medium, and at an apparent dip of about 30°. Bedding is weathering overall is slight to moderate, with iron staining on fracture surfaces throughout the cored section. Complete weathering has resulted in a cavity from approximately 42.4 to 44.4 ft. The dolomite is hard overall, the core is slightly fractured, with moderately weathered bedding plane fractures predominating. From about 47.1 to

BORING TERMINATED: 69.44 FT  
 BORING REFUSAL: 40 FT  
 WATER TOB DEPTH: NOT OBSERVED  
 WATER 24 HR.: DEPTH: 22.0 FT  
 WATER LOSSES: \_\_\_\_\_  
 CAVE-IN DEPTHS: \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING		DEPTH
POWER AUGER	3 1/4"	0 TO 40 FT
HAND SHOP: W/MUD: W/WATER		TO _____
ROTARY DRILL: W/MUD: W/WATER		TO _____
DIAMOND CORE		TO _____
CORE SIZE	4 1/2	39.44 TO 69.44
UNDISTURBED SAMPLES	NO	SIZE _____
BAG SAMPLER	NO	SIZE _____

# MACTEC SOIL TEST BORING FIELD REPORT

BORING NO. NB-47 PG. 2 OF 2

RIG TYPE CME 550 HAMMER TYPE AUTO

JOB NO. 3043051021 DRILLER M. Burnett

HOURS DRILLING \_\_\_\_\_ GROUND SURFACE ELEV. \_\_\_\_\_

JOB NAME TVA KINGSTON LOGGED BY J. Mason

HOURS MOVING \_\_\_\_\_ DATE: 5/16/05 WEATHER: 5/17/05

No	Depth	SCALE	VD	MEC	SOIL CLASSIFICATION	REMARKS
	60.5 ft					the core is moderately fractured from the mechanical opening of several closely spaced (about 1 to 2 cm) subvertical fractures, some of which exhibit slickensided surfaces. From approximately 47.1 to 48.0 ft, the dolomite appears to have absorbed energy from a fault event, with voids resulting from fracturing/faulting being re- cemented with white dolomite.
						<ul style="list-style-type: none"> <li>• Run 1 from 39.44 to 44.44 ft; ran 5.0 ft, recovered 3.74 ft. (55%) R<sub>20</sub> = 212/5 = 44%. Run time: 17:10 - 17:19</li> <li>• Run 2 from 44.44 to 51.24 ft; ran 6.8 ft, recovered 6.8 ft. (100%) R<sub>20</sub> = 462/6.8 = 68%. Run time: 17:33 - 18:00</li> <li>• Run 3 from 51.24 to 54.44 ft; ran 3.20 ft, recovered 3.14 ft. (98%) R<sub>20</sub> = 294/3.20 = 92%. Run time: 18:12 - 18:30</li> <li>• Run 4 from 54.44 to 64.44 ft; ran 10.0 ft, recovered 9.8 ft. (98%) R<sub>20</sub> = 695/10 = 69%. Run time: 07:53 - 08:06, 08:20 - 08:32, 08:47 - 09:11, 09:52 - 10:05</li> <li>• Run 5 from 64.44 to 69.44 ft; ran 5.0 ft, recovered 4.99 ft. (99%) R<sub>20</sub> = 479/5 = 97%. Run time: 10:27 - 10:52</li> </ul>

STANDARD PENETRATION RESISTANCE IS SUM OF BLOWS FOR 2ND 6" AND 3RD 6" TO DRIVE 138' LB. 2" O.D. SPLIT BARREL SAMPLER WITH 140 POUND HAMMER FALLING 30 INCHES.

BORING TERMINATED: 69.44 FT  
 BORING REFUSAL: 40 FT  
 WATER TOB DEPTH: NOT OBSERVED  
 WATER 24 HR.: DEPTH: 22.0 FT  
 WATER LOSSES \_\_\_\_\_  
 CAVE-IN DEPTHS \_\_\_\_\_  
 CASING: SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 STANDBY TIME \_\_\_\_\_ BORING LAYOUT \_\_\_\_\_

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER <u>3 1/4"</u>	<u>0</u> TO <u>40 FT</u>
HAND SHOP: W/MUD: W/WATER	TO _____
ROTARY DRILL: W/MUD: W/WATER	TO _____
DIAMOND CORE	TO _____
CORE SIZE <u>#2</u>	<u>39.44</u> TO <u>69.44</u>
UNDISTURBED SAMPLES NO _____ SIZE _____	