

DRILLING LOG	PROJECT <i>William C. Meredith</i>	INSTALLATION <i>East Point, Ga.</i>	MW-1	SHEET 1 OF 2 SHEETS
LOCATION (Coordinates or Station) <i>550 feet, SE of lagoon</i>		SIZE AND TYPE OF BIT <i>6" hollow stem auger</i>		
DRILLING AGENCY <i>ATEC Associates</i>		TOTAL NO. OF OVER- BURDEN SAMPLES TAKEN: <i>9</i>		
THICKNESS OF OVERBURDEN <i>45.0'</i>		DATE HOLE	STARTED <i>9 Oct 1982</i>	COMPLETED <i>9 Oct 1982</i>
DEPTH DRILLED INTO ROCK <i>0</i>		ELEVATION TOP OF HOLE <i>1045.0 msl</i>		
TOTAL DEPTH OF HOLE <i>45.0'</i>		ELEVATION GROUND WATER <i>1021.4 msl (11 Oct)</i>		
NAME OF DRILLER <i>Mike Banich</i>		SIGNATURE OF INSPECTOR <i>Carl F. Titcomb</i> Geologist		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
1045.0			SM red micaceous silty sand. est. 30% mica, 25% quartz remainder silt & very fine mica	Blows per 0.5'		Soils field classified in accordance with the Unified Soil Classification system
	5			5 10 14	1	
	10			9 10 13	2	
	15			10 19 22	3	
	20		brown-red	13 23 30	4	
	25		brown-gray - becomes coarser	16 24 40	5	
	30		brown-orange with black Mn. & white decomposed feldspar.	11 21 25	6	
	35			8 16 21	7	
	40		mottled orange-white & gray weathered ore	16 21 26	8	

WT 23.6

11 Oct 82

WT 23.6

9 Oct 82

MW-1

DRILLING LOG		PROJECT <i>William C. Meredith</i>		INSTALLATION MW-1		SHEET 2 OF 2 SHEETS	
LOCATION (Coordinate or Station)				SIZE AND TYPE OF BIT			
DRILLING AGENCY				TOTAL NO. OF OVER- BURDEN SAMPLES TAKEN			
THICKNESS OF OVERBURDEN				DATE HOLE		STARTED	
DEPTH DRILLED INTO ROCK				COMPLETED			
TOTAL DEPTH OF HOLE				ELEVATION TOP OF HOLE			
NAME OF DRILLER				ELEVATION GROUND WATER			
				SIGNATURE OF INSPECTOR			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
1000.0	45		SM mottled white-orange silty sand, highly micaceous.	9 18 26	9		
						Began Boring 1000 hrs. Completed 1150 hrs	

DRILLING LOG	PROJECT <i>William C. Meredith</i>	INSTALLATION <i>East Point, Ga</i>	MW-2	SHEET 1 OF 2 SHEETS
LOCATION (Coordinates or Station) <i>400 feet, N 65° W of lagoon</i>		SIZE AND TYPE OF BIT <i>6" hollow stem auger</i>		
DRILLING AGENCY <i>ATEC Associates</i>		TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN <i>10</i>		
THICKNESS OF OVERBURDEN <i>50.0'</i>		DATE HOLE	STARTED <i>9 Oct 82</i>	COMPLETED <i>9 Oct 82</i>
DEPTH DRILLED INTO ROCK <i>0</i>		ELEVATION TOP OF HOLE <i>1018.2</i>		
TOTAL DEPTH OF HOLE <i>50.0'</i>		ELEVATION GROUND WATER <i>998.9 (11 Oct 1982)</i>		
NAME OF DRILLER <i>Mike Banich</i>		SIGNATURE OF INSPECTOR <i>Paul F. Telford</i> Geologist		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
1018.2			sm-sc black-red silty clay	Blows per 0.5'		Soils field classified in accordance with the Unified Soil Classification System
1016.2			sand, fill			
			SM red very micaceous silty sand. sand size mica about 40%, quartz sand 20%. Weathered schist.	5 11 16	1	
	5					
	10		brown micaceous sand, slightly coarser than sample 1	11 22 26	2	
	15			11 17 26	3	
	20			9 17 19	4	
	25			9 11 21	5	
	30		slightly less decomposed	9 16 26	6	
	35		brown-gray very micaceous weathered gneiss more sand much black Mn staining.	26 50 50/0.3	7	- Boring caved in at 32.0 on 10 Oct 82
	40			50 50/0.3	8	- very slow drilling

MW-2

Residium

 WT 19.3
10 Oct 82
WT 20.9
9 Oct 82

PWR

DRILLING LOG		PROJECT <i>William C. Meredith</i>		INSTALLATION <i>East Point, Ga</i>		MW-2		SHEET 2 OF 2 SHEETS	
LOCATION (Coordinates or Station)				SIZE AND TYPE OF BIT <i>6</i>					
DRILLING AGENCY				TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN:					
THICKNESS OF OVERBURDEN				DATE HOLE		STARTED		COMPLETED	
DEPTH DRILLED INTO ROCK				ELEVATION TOP OF HOLE					
TOTAL DEPTH OF HOLE				ELEVATION GROUND WATER					
NAME OF DRILLER				SIGNATURE OF INSPECTOR					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)			
PWR ↓ 968.2	45		<i>SM brown to gray highly micaceous silty sand. Weathered biotite gneiss</i>	100/0.4	9				
	50			50/0.2	10				
						<i>Began Boring 1310 hrs Completed 1600 hrs</i>			

DRILLING LOG		PROJECT William C. Meredith		INSTALLATION East Point, Ga		SHEET OF 1 SHEETS	
LOCATION (Coordinates or Station) -250 feet, N 40° W of lagoon				SIZE AND TYPE OF BIT 6" hollow stem auger			
DRILLING AGENCY ATEL				TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: 8			
THICKNESS OF OVERBURDEN 40.0'				DATE HOLE 10 Oct 82		STARTED 10 Oct 82	
DEPTH DRILLED INTO ROCK 0				ELEVATION TOP OF HOLE 1023.8 msl			
TOTAL DEPTH OF HOLE 40.0'				ELEVATION GROUND WATER 1009.0 (11 Oct 82)			
NAME OF DRILLER Mike Banich				SIGNATURE OF INSPECTOR Carol F. [Signature] Geologist			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
1023.8			SM red silty sand, rocks asphalt etc.	Blows/ 0.5'		Soils field classified in accordance with the Unified Soil Classification System	
	5		SC clayey silty sand, slightly micaceous	1	1		
	10		SM-SC gray to red silty clayey sand. Upper 0.5' black to gray sands.	2	2	WT. 15.35, 11 Oct 82	
	15		SM-SC dark gray clayey silty sand with wood fragments black leaves etc.	3	3		
	20		SM dark gray clayey silty sand, rock fragments, wood cuttings. Last 0.4' light gray coarse sand.	4	4	17.5 hard zone 19.5 very rapid penetration	
	25		CL gray with red banding. Very micaceous, sandy silty clay.	5	5		
	30			6	6	original ground approximately 22.5'	
	35		SM-SC interlayered red silty sands, gray silts, lean clay etc.	7	7		
	40		34.5 weathered biotite schist (natural ground?)	8	8	28.5 to 33.5 very rapid penetration. 36.0 slow augering Began boring 1230 hrs Completed boring 1430 hrs	

MW-3

Fill

WT 15.2
10 Oct 82

Residuum

Res

PWR

Project No: WCM

Boring ID: MW3A

Project: April 04 Well Installations

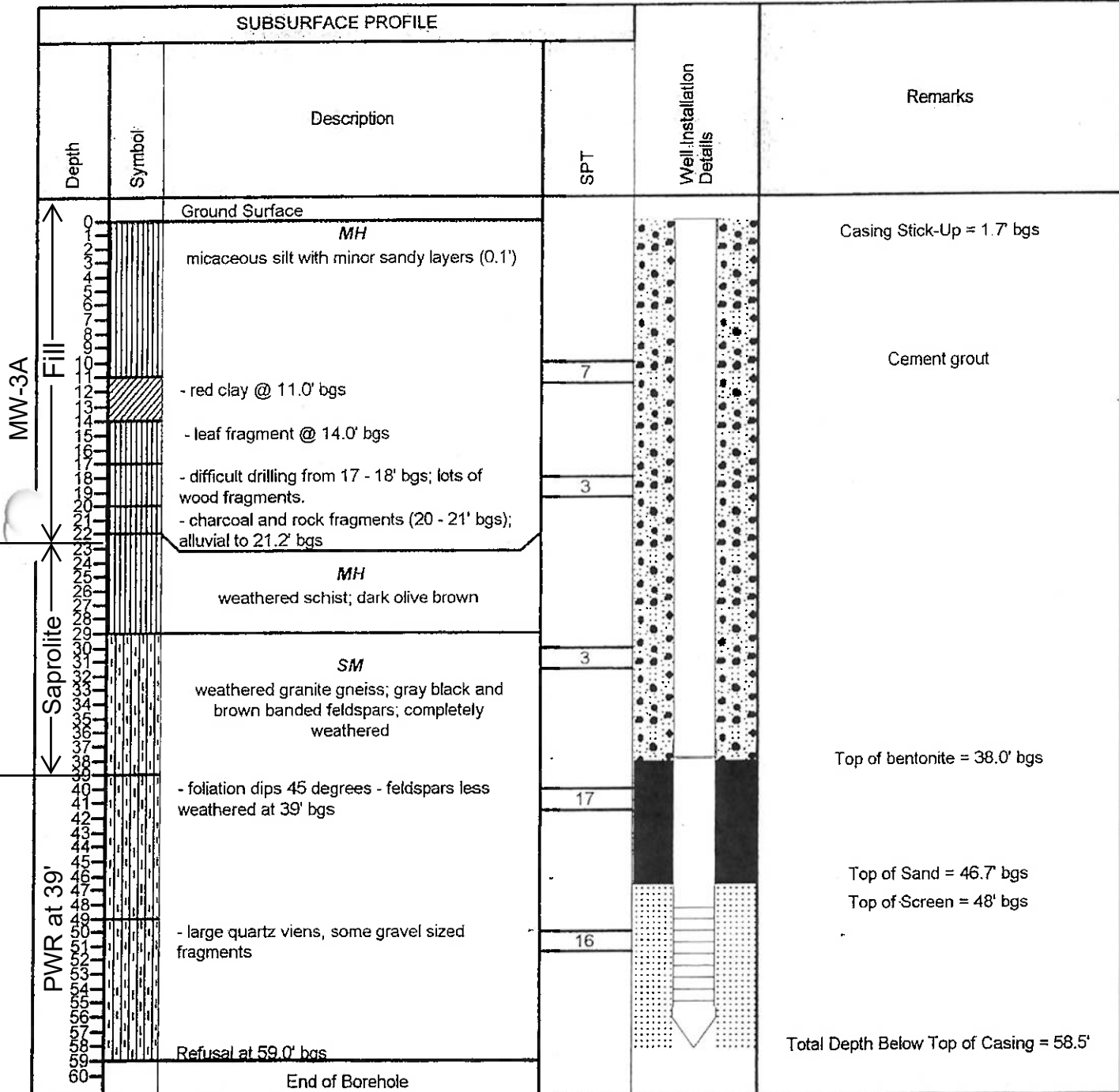
Client: William C. Meredith

Enclosure:

Location: 5' S of MW3

Geologist: Earl Titcomb, P.G.

SUBSURFACE PROFILE



Drilled By: GeoLab

Hole Size: 8-inch

Drill Method: HSA - CME 55

Drill Date: April 20, 2004

Sheet: 1 of 1

DRILLING LOG		PROJECT <i>William C. Meredith</i>		INSTALLATION <i>East Point, Ga</i>		SHEET 1 OF 1 SHEETS	
LOCATION (Coordinates or Station) <i>250' W of lagoon</i>				SIZE AND TYPE OF BIT <i>6" hollow stem auger</i>			
DRILLING AGENCY <i>ATEC</i>				TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: <i>6</i>			
THICKNESS OF OVERBURDEN <i>40.0'</i>				DATE HOLE		STARTED <i>10 Oct 82</i>	
DEPTH DRILLED INTO ROCK <i>0</i>				ELEVATION TOP OF HOLE		<i>1026.0' msl</i>	
TOTAL DEPTH OF HOLE <i>40.0'</i>				ELEVATION GROUND WATER		<i>1012.8' 11 Oct 82</i>	
NAME OF DRILLER <i>Mike Banich</i>				SIGNATURE OF INSPECTOR <i>Carol F. Tatum Geologist</i>			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX ON SAMPLE NO.	REMARKS (Drilling time, water flow, depth of weathering, etc., if significant)	
1026.0			GM black, gravel - fill	Blows per 0.5'		Soils field classified in accordance with the United Soil Classification System.	
				-19 -17 -17	1		
	5		SC red clayey silty sand, micaceous	5 6 9	2		
	10		MH red clayey micaceous silt, slight plasticity, banded with some quartz & feldspar lenses.	12 13 17	3		
WT 13.3 11 Oct 82	15			9 13 16	4	18.5' to 23.5' rapid penetration 1 min 30 sec @ 300 psig	
WT 16.4 10 Oct 82	20		SM (H) red silty sand, very micaceous. some mottled red, pink & brown, some black Mn(?) pods.	10 15 19	5	23.5' to 28.5' rapid penetration 1 min 12 sec @ 300 psig.	
	25					28.5 to 33.5 very rapid penetration (51 sec @ 200 psig)	
	30					33.5 to 38.5 rapid pene- tration (1 min 15 sec.)	
	35			10 17 19	6	Began 1530 hrs. Completed 1700 hrs.	

MW-4

Residuum

Maybe
call PWR

DRILLING LOG	COMPANY <i>William C. Meredith</i>	INSTALLATION <i>East Point, Ga</i>	SHEET OF 1 SHEETS
LOCATION (Coordinates or Station) <i>near grease trap - 6' from toe</i>	SIZE AND TYPE OF BIT <i>2 1/4" hollow stem auger, SPT</i>		
DRILLING AGENCY <i>A TEC</i>	TOTAL NO. OF OVERBURDEN SAMPLES TAKEN <i>8</i>		
THICKNESS OF OVERBURDEN	DATE HOLE	STARTED <i>11 May 84</i>	COMPLETED <i>11 May 84</i>
DEPTH DRILLED INTO ROCK	ELEVATION TOP OF HOLE <i>1030.02</i>		
TOTAL DEPTH OF HOLE <i>43.0'</i>	ELEVATION GROUND WATER <i>1014.8 0900hrs 12 May 84</i>		
NAME OF DRILLER <i>Robert Ray</i>	SIGNATURE OF INSPECTOR OR GEOLOGIST <i>David F. Tecomb</i>		

MW-5

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
1030.02			SM dark gray silty sand with gravel. 3 to 3.5' hard layer.			difficult to start hole, auger "walking" off rubble
	5		ML dark gray, micaceous sandy silt, comp, with red and black mottling, till, with gravel size fragments of biotite gneiss.	7	1	
	10			14	2	10.5 to 11.0 very hard
	15		more clayey, banded red & black & dark gray, black coal (?)	12	3	
	20			3	4	
	25		Foots, banded gray weathered gneiss.	5	5	top of original ground (?) WT encountered drilling about 23.0'
	30		SM banded gray, white, black micaceous fine silty sand. Weathered schist.	22	6	creosote (?) at top of sampler or core.
	35		NOTE: Soils field classified in accordance with the Unified Soil Classification Systems.	38	7	BLOWS PER FOOT: Number required to drive 3/8" ID splitspoon w/140 lb hammer falling 30" =
	40		augered to 43.0'	26	8	

Fill

WT 1014.8

12 May 84

Saprolite

PWR

DRILLING LOG		COMPANY <i>William C. Meredith</i>		INSTALLATION <i>East Point, Ga</i>		SHEET OF 1 SHEETS	
LOCATION (Coordinate or Station) <i>22 W of grease trap, toe of berm</i>				SIZE AND TYPE OF BIT <i>2 1/4" ID hollow stem auger, SPT</i>			
DRILLING AGENCY <i>ATEC</i>				TOTAL NO. OF OVERBURDEN SAMPLES TAKEN <i>6</i>			
THICKNESS OF OVERBURDEN				DATE HOLE <i>11 May 84</i>		STARTED <i>12 May 84</i>	
DEPTH DRILLED INTO ROCK <i>N.A.</i>				ELEVATION TOP OF HOLE <i>1030.7 msl</i>			
TOTAL DEPTH OF HOLE <i>33.0'</i>				ELEVATION GROUND WATER <i>1014.6 1830 hrs, 16 May 84</i>			
NAME OF DRILLER <i>Robert Ray</i>				SIGNATURE OF INSPECTOR OR GEOLOGIST <i>Earl F. Titcomb P.G.</i>			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
↑ Fill 1014.6 16 May 84 1012.2 ↓	5		SM dark gray-red silty sand with gravel (fill) slightly clayey, highly mica.	1	1		
	10		upper 1.0' light gray very fine silty sand, lower 0.5' dark gray clayey silty sand with gravel	2	2		
	15		black mixture soil-wood coal etc (fill) very micaceous silty	3	3	13.5 boulders - rubble rocks etc.	
	20		SM greenish gray-red fine silty micaceous sand, weathered schist gneiss	4	4	black oily substance on top of core - not observed in sample. very wet. Water on tools 21.3'	
	25			5	5		
	30			6	6		
↓ Residuum 997.7 ↓ PWR ↓			Bottom of Hole 33.0'			BLOWS PER FOOT: Number required to drive 1 3/8" ID splitspoon w/140 lb hammer falling 30".	

NOTE: Soils field classified in accordance with the Unified Soil Classification Systems..

DRILLING LOG	COMPANY <i>William C. Meredith</i>	INSTALLATION <i>East Point, Ga</i>	SHEET OF 2 SHEETS
LOCATION (Coordinates or Station)	SIZE AND TYPE OF BIT <i>2 1/4 I.D. HSA, SPT</i>		
DRIILLING AGENCY <i>ATEC Assoc. of Ga.</i>	TOTAL NO. OF OVERBURDEN SAMPLES TAKEN <i>9 jar samples</i>		
THICKNESS OF OVERBURDEN	DATE HOLE	STARTED <i>23 Feb 85</i>	COMPLETED <i>23 Feb 85</i>
DEPTH DRILLED INTO ROCK	ELEVATION TOP OF HOLE <i>1027.38 msl</i>		
TOTAL DEPTH OF HOLE <i>45.0</i>	ELEVATION GROUND WATER <i>1011.96 msl - 24 Feb 85</i>		
NAME OF DRILLER <i>Robert Ray</i>	SIGNATURE OF WILLIAM C. MEREDITH OR GEOLOGIST <i>Earl F. Titcomb</i>		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
			SM gray, fine silty sand, washings from aggregate.	9	1	
	5		SC dark red, very clayey, silty sand.	4	2	
	10		GM mixed silt, sand, gravel clay fill. Rounded quartz, angular gneiss etc. Mottled brown to black	8	3	
	15		13.5 to 15.0 no sample, large piece of gneiss wedged in hoc.	2	NS	
16.92' WD 24 Feb 85	20		SM-H mottled red-dark gray highly micaceous clayey, silty sand. No rock structure Approximate Top of Original Gd.	4	4	
1007.38	25		SM red-gray, micaceous silty sand, banded weathered gneiss & schist.	44	5	Driller notes change material 23.0'. Water 22.3 on rods.
	30			8	6	
	35			15	7	
			Continued on sheet #2			

MW-7

↑
FillResiduum
↓

MW 7

DRILLING LOG		COMPANY <i>William C. Meredith</i>		INSTALLATION		SHEET 2 OF 2 SHEETS	
LOCATION (Coordinates or Station)				SIZE AND TYPE OF BIT			
DRILLING AGENCY				TOTAL NO. OF OVERBURDEN SAMPLES TAKEN			
THICKNESS OF OVERBURDEN				DATE HOLE		STARTED	
DEPTH DRILLED INTO ROCK				COMPLETED			
TOTAL DEPTH OF HOLE				ELEVATION TOP OF HOLE			
NAME OF DRILLER				ELEVATION GROUND WATER			
				SIGNATURE OF INSPECTOR OR GEOLOGIST			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
↑ Res ↓ PWR	40		SM red-gray silty sand, weathered gneiss & schist	22	8	
	45		banded white-light gray less weathered than preceding sample, coarser grained		9	
			Hole completed to 45.0'			
			NOTE: Soils field classified in accordance with the Unified Soil Classification Systems.			BLOWS PER FOOT: Number required to drive 1 3/8" ID splitspoon w/140 lb. hammer falling 30"

LOCATION (Coordinates or Station)		East Point, Ga MW7A		SHEET OF 1 SHEETS	
DRILLING AGENCY		Adjacent MW7		2 1/4" ID HSA, SPT, 4 1/2" Roller	
THICKNESS OF OVERBURDEN		NA		TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 1 jar	
DEPTH DRILLED INTO ROCK		NA		DATE HOLE STARTED COMPLETED	
TOTAL DEPTH OF HOLE		60.0		13 July 86 13 July 86	
NAME OF DRILLER		Robert Stanfield		ELEVATION TOP OF HOLE 1027.2 msl	
				ELEVATION GROUND WATER 1008.2 msl, 14 July 86	
				SIGNATURE OF INSPECTOR OR GEOLOGIST	
				P. G.	

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
			See MW7 for detailed log, HSA to 40.0'			
			Began hole with rotary, lost water return at 5'. Went to HSA. Augered to 40.0'. Mixed tub of mud using 1 gal Poly Gel. Cleaned out hole to 40.0'			Hard zone Hard zone 12.5 to 30.0 very rapid penetration, almost no resistance
			SM greenish-red-gray silty sand, very micaceous, mica weathered to "golden" color with foliation. Much mica in cuttings, also small bk-red garnets(?)	-10	1	Set 40' sch 40, 5" PVC casing, into 1.2' bentonite placed in hole. Used rotary with clear water to drill below casing.
			Bottom of hole 60.0'			
			NOTE: Soils field classified in accordance with the Unified Soil Classification Systems.			BLOWS PER FOOT: Number required to drive 1 1/2" ID splitspoon w/140 lb. hammer falling 30".

LOCATION		MW-7B OF 1 SHEETS	
DRILLING AGENCY Middle Georgia Water Systems, Inc.		SIZE AND TYPE OF BIT 10-3/4" & 5-7/8" Tricone; 5-3/4" down hole	
THICKNESS OF OVERBURDEN 68'		TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 5 jars percussion	
DEPTH DRILLED INTO ROCK 53'		DATE HOLE	STARTED 2/5/88
TOTAL DEPTH OF HOLE 121'		COMPLETED 2/9/88	
NAME OF DRILLER Steve Baker		ELEVATION TOP OF HOLE	
		ELEVATION GROUND WATER 20.0' below ground surface on 2/10/88	
		SIGNATURE OF SUPERVISOR OR GEOLOGIST <i>[Signature]</i>	

ELEVATION	DEPTH feet	LEGEND	CLASSIFICATION OF MATERIALS (visual classification)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
	0		(See logs of Mw's- 7, & 7A for description of materials to depth of 65.0') Driller reported encountering wood, treated with creosote, at approximate depth of 20'			On 2/5/88, drilled with 10-3/4" dia. tricone bit and mud rotary to depth of 65'. Set 6-1/4" I.D. PVC casing to bottom of boring. Tremie grouted casing with 20 sacks of cement with added 4% bentonite.
	65		65'	65.0'	65.0'	
	70		GNEISS	SPT 1	Jar 1	SPT 1- 42-48-10 (for 0.1' advance)
	75		Classified as gneiss rather than schist on the basis of banding of light (white) and dark (black) colored minerals (feldspar, muscovite, & biotite) observed in drive sample taken at 65' depth. Sample had foliated structure.	66.1	66.1'	Resumed drilling with mud rotary, using only potable water and 5-7/8" dia. tricone bit at 12:30 PM on 2/8/88; drilled out 10' of cement grout in bottom of casing.
	80		Top of firm rock at 68'.		85'	After depth of 68', material became progressively harder, until at 70" depth, the drill penetration rate was reduced to 1' in 10 minutes. Drilling was continued to a depth of 85', where it was stopped at 5:45 PM on 2/8/88.
	85		Fractures in rock, apparent from drill action, at depths of 87', 107', 110', 115', and 118'. Tan colored water initially issued from fracture at 87' depth, but quickly cleared.		Jar 2	
	90		Drill cuttings consist predominately of dark colored minerals, up to 90% ±.		102'	
	95				Jar 3	On 2/9/88/ moved mud rotary drill off boring and resumed drilling at 3:50 PM with Ingersall Rand T4W and down-hole hammer with 5-3/4" dia. bit. Oiler <u>not</u> used for hammer operation.
	100				107'	
	105				Jar 4	
	110				110'	
	115				Jar 5	
	120		121' Bottom of boring		120'	Boring completed and drilling ceased at 4:35 PM on 2/10/88

Top of Rock

MW-7B

MW 8

DRILLING LOG		COMPANY <i>William C. Meredith</i>		INSTALLATION <i>East Point Ga.</i>		SHEET 1 OF 2 SHEETS	
LOCATION (Coordinates or Station) <i>103° N 15° E of MW5 - edge of lagoon</i>				SIZE AND TYPE OF BIT <i>2 1/4" I.D. HSA & SPT</i>			
DRILLING AGENCY <i>ATEC Assoc. of Ga.</i>				TOTAL NO. OF OVERBURDEN SAMPLES TAKEN <i>9</i>			
THICKNESS OF OVERBURDEN				DATE HOLE <i>24 Feb 85</i>		COMPLETED <i>24 Feb 85</i>	
DEPTH DRILLED INTO ROCK				ELEVATION TOP OF HOLE <i>1030.45 msl</i>			
TOTAL DEPTH OF HOLE <i>45.0'</i>				ELEVATION GROUND WATER <i>1010.35 msl (15 Apr 85)</i>			
NAME OF DRILLER <i>Robert Ray</i>				SIGNATURE OF DRILLER OR GEOLOGIST <i>Ehl F. Titcomb Jr.</i>			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
			SM upper 0.5' red, mica., clayey 0.5 to 4.6 red gray, very fine sand	15	1	
	5		SM-SC red & black silty clayey sand mixture. Bit of steel cable 5.0'; rubble at 6.0' (fill)	4	2	
	10		9.5 to 10.0' white sand & gravel	20	3	
	15		SM mottled red & black & gray silty sand, gray weathered rock, minor gravel (fill)	13	4	
	20		Approximate Top Original Gd.	5	5	one large piece of gravel
	20		CL gray green mottled silty clay, some roots, black organic material	10	6	
	25		SC gray green clayey sand (possible fill material) fall in?	8	7	
	30		SM weathered very micaceous gneiss, banded	9	8	
	35		very micaceous, green-brown light olive brown - schistose	21	9	
			Continued on sheet #2			

MW-8

Fill

Res

PWR

MWB

DRILLING LOG		COMPANY <i>William C. Meredith</i>		INSTALLATION		SHEET <i>2</i> OF <i>2</i> SHEETS	
LOCATION (Coordinates or Station)				SIZE AND TYPE OF BIT			
DRILLING AGENCY				TOTAL NO. OF OVERBURDEN SAMPLES TAKEN			
THICKNESS OF OVERBURDEN				DATE HOLE	STARTED	COMPLETED	
DEPTH DRILLED INTO ROCK				ELEVATION TOP OF HOLE			
TOTAL DEPTH OF HOLE				ELEVATION GROUND WATER			
NAME OF DRILLER				SIGNATURE OF ENGINEER OR GEOLOGIST <i>Earl F. Titcomb</i>			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
↑ PWR ↓ 985.4	40		<i>SM green-brown, very micaceous sand, banded with relic schist structure.</i>	50/0.2'	NS	<i>fall in blows probably no good. augered to 45.0'</i>
	45					
			<i>Hole completed to 45.0'</i>			
			NOTE: Soils field classified in accordance with the Unified Soil Classification Systems.			BLOWS PER FOOT: Number required to drive 13" ID splitspoon w/140 lb. hammer falling 30"...

MW 9

DRILLING LOG	COMPANY <i>William C. Meredith</i>	INSTALLATION <i>East Point Ga</i>	SHEET OF 1 SHEETS
LOCATION (Coordinates or Station) <i>112.2' E of MW 6</i>	SIZE AND TYPE OF BIT <i>2 1/4" ID. HSA & Splitspoon</i>		
DRILLING AGENCY <i>Robert Stansted</i>	TOTAL NO. OF OVERBURDEN SAMPLES TAKEN <i>7 jars</i>		
THICKNESS OF OVERBURDEN <i>NA</i>	DATE HOLE	STARTED <i>12 July 86</i>	COMPLETED <i>12 July 86</i>
DEPTH DRILLED INTO ROCK <i>NA</i>	ELEVATION TOP OF HOLE <i>1029.0 msl</i>		
TOTAL DEPTH OF HOLE <i>36.5'</i>	ELEVATION GROUND WATER <i>1011.48' 13 July 86</i>		
NAME OF DRILLER <i>Robert Stansted</i>	SIGNATURE OF INSPECTOR OR GEOLOGIST <i>Earl F. Titcomb P.G.</i>		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
↑			GM red silty gravel, fill			
			SM reddish brown, micaceous silty sand. Some clay			
	5					
			bits of wood, about .75" thick	-35	1	
	10					
				-45	2	
	15					
				-17	3	
WL 1011.48 13 July 86	20		20-20.3 dk red MH with wood fragments, 20.3 damp, orange with black inclusions	-19	4	
			21.0' approximate original ground.			
1004.0	25		SM-H greenish-red-orange very micaceous silty sand. Mica has "golden" color. Weathered micaceous gneiss, foliation low, relic garnets(?).	-33	5	
				-19	6	
	30					
				-12	7	
	35					
PWR 1012.5			Bottom of Hole 36.5			

NOTE: Soils field classified
in accordance with the Unified
Soil Classification Systems..

BLOWS PER FOOT:

Number required to drive
1 1/8" ID splitspoon w/140 lb
hammer falling 30"...

MW-9

Fill

Residuum

DRILLING LOG	COMPANY W. C. MEREDITH CO	INSTALLATION EAST POINT, GA	MW10 SHEET 1 OF 1 SHEETS
LOCATION (Coordinates or Station) N10°W, 144.2' ER MW8	SIZE AND TYPE OF BIT 4 1/4" ID, HSA		
DRILLING AGENCY ATEC	TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 7 JARS		
THICKNESS OF OVERBURDEN	DATE HOLE 30 JAN 88	STARTED 30 JAN 88	COMPLETED 30 JAN 88
DEPTH DRILLED INTO ROCK 0	ELEVATION TOP OF HOLE		
TOTAL DEPTH OF HOLE 37.0'	ELEVATION GROUND WATER		
NAME OF DRILLER DALE TUPPER	SIGNATURE OF INSPECTOR OR GEOLOGIST Dale F. Tupper P.G.		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
			GP DARK BROWN TO BLACK SANDY GRAVEL, FILL, SOME WOOD FRAG			SPT = BLOWS PER FOOT 140 LB HAMMER FALLING 30 INCHES SOILS FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS)
	5		SM-SC DARK BROWN TO BLACK, SILTY, CLAYEY, MICACEOUS SAND, FILL	9	1	
	10		MINOR SMALL GRAVEL	10	2	
	15					
	20		SM-H RED-BROWN, SILTY VERY MICACEOUS SAND BECOMES MORE DENSE 17.5 - TOP OF NATURAL GROUND	13	3	
	25			15	4	
	30		WEATHERED GARNETS(?) BLACK	6	5	WATER ON SPLITSPOON
	35		GRAY, BANDED SAPROLITE	6	6	<u>Preliminary</u>
			BOTTOM OF HOLE 37.0'	14	7	

MW-10

E-5a

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MW11

DRILLING LOG	COMPANY W. C. Meredith	INSTALLATION East Point, Ga	SHEET OF SHEETS
LOCATION (Coordinates or Station) Old Lagoon Edge	SIZE AND TYPE OF BIT 4" auger, 1 1/2" splitspoon		
DILLING AGENCY EFT INC	TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 3		
THICKNESS OF OVERBURDEN 39.0	DATE HOLE	STARTED 12 Aug 1989	COMPLETED 13 Aug 1989
DEPTH DRILLED INTO ROCK NA	ELEVATION TOP OF HOLE 1032.00±		
TOTAL DEPTH OF HOLE 39.0	ELEVATION GROUND WATER 1013.08 msl 18 Aug 89		
NAME OF DRILLER Bolen	SIGNATURE OF INSPECTOR OF GEOLOGIST Earl F. Titcomb P.G.		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	SPT	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
↑ Fill	5		SM-SC red-orange silty- clayey sand with gravel fill.			Note: Area was excavated by backhoe to about 22.0' to remove concrete debris. It was then back filled with SM-SC and ML
	10					
	15					
↓ Residuum	20		ML dark green micaceous silt	-2	1	
	25					
	30					
	35		Approximate Top Natural Ground	-8	2	-Water on splitspoon
			SM dark green micaceous sand weathered gneiss Very strong odor, sheen, black material.	-17	3	
			NOTE: Soils field classified in accordance with the Unified Soil Classification Systems.			
			Bottom of Hole 39.0'			
		</				

PWR?

Project No: WCM

Project: April 04 Well Installations

Client: William C. Meredith

Location: see Plan (valley)

Boring ID: MW12

Enclosure:

Geologist: Earl Titcomb, P.G.

MW-12

↑ Alluvium ↓

↑ Residium ↓

SUBSURFACE PROFILE

Depth	Symbol	Description	SPT	Well Installation Details	Remarks
0		Ground Surface			
1		Alluvium - no recovery			Casing Stick-Up = 2.69' above slab
2		gravelly, sand silt mixture fluvial deposition			Top of Bentonite = 2.0' bgs
3					
4					2 bags of bentonite
5					
6					
7					Top of Sand = 7.6' bgs
8					Top of Screen = 8.1' bgs
9		SM(H) Highly weathered biote hornblende schist			
10					
11					5 bags of filter sand
12					
13					
14					
15		Total Augured Depth = 15.0' bgs			Total Well Depth = 17.37' BTOC

Drilled By: GeoLab

Drill Method: HSA - CME

Drill Date: April 20, 2004

Hole Size: 8-inch

Sheet: 1 of 1

Project No: WCM

Project: April 04 Well Installations

Client: William C. Meredith

Location: Valley

Boring ID: MW12A

Enclosure:

Geologist: Earl Titcomb, P.G.

MW-12A

SUBSURFACE PROFILE

Depth	Symbol	Description	SPT	Well Installation Details	Remarks
0		Ground Surface			
1		<i>SM(H)</i>			
2		Very soft weathered, wet recovery only 1.5' bgs	1.5		Casing Stick-Up = 2.70' ags
3					
4		Alluvium - no recovery			Cement grout
5					
6		<i>Schist</i>			
7		Biotite-hornblende schist banded w/ few 10 mm white bands (brown-gray); odor detectable	2		Top of bentonite = 7.0' bgs
8					
9					
10					
11					
12			3.4		
13					
14					
15					
16					
17			3.4		
18					
19		Foliation dips ca. 30 degrees; odor			
20					
21					Top of Cave-In = 21.0' bgs
22					Note: borehole caved during placement
23					
24					
25					
26					
27					Top of Sand = 27.5' bgs
28					
29			1.5		Top of Screen = 28.5' bgs
30		dark reddish brown, very weathered			
31					
32			1.4		
33		gray brown, much less weathered granite (sandy)			Total Well Dpth = 34.8' BTOC
34					
35					
36		End of Borehole			
37		Total Depth = 34.4' bgs (refusal)			

Drilled By: GeoLab

Hole Size: 8-inch

Drill Method: HSA - Probe

Drill Date: April 21, 2004

Sheet: 1 of 1

Project No: WCM

Boring ID: MW13

Project: April 04 Well Installations

Client: William C. Meredith

Enclosure:

Location: NW of MW10

Geologist: Earl Titcomb, P.G.

SUBSURFACE PROFILE

MW-13

Depth	Symbol	Description	SPT	Well Installation Details	Remarks
0		Ground Surface			
1		<i>SM</i>			Casing Stick-Up = 1.22' ags
2		Orange silty mica sand, slightly clayey - very fast drilling			
3					
4					
5					
6		- Fill			Top of Bentonite = 6.0' bgs
7					
8					
9					
10					
11		0.2-foot layer of black "asphalt-like" material	6		
12					
13		- Fill			
14					
15					
16					
17		approximate fill depth (16.0' bgs)			
18					
19					
20					Top of Sand = 20.0' bgs
21			5		
22					
23					
24					
25					Top of Screen = 25.0' bgs
26		<i>SM(H)</i>			
27		Schist - intensely weathered; orange to green			
28					
29					
30					6 bags of medium filter sand
31			6		
32					
33					
34		Total Depth = 35.0' bgs			
35					Total Well Depth = 36.1' BTOC
36		End of Borehole			

Drilled By: GeoLab

Hole Size: 8-inch

Drill Method: HSA - CME

Drill Date: April 19, 2004

Sheet: 1 of 1

Project No: WCM

Project: April 04 Well Installations

Client: William C. Meredith

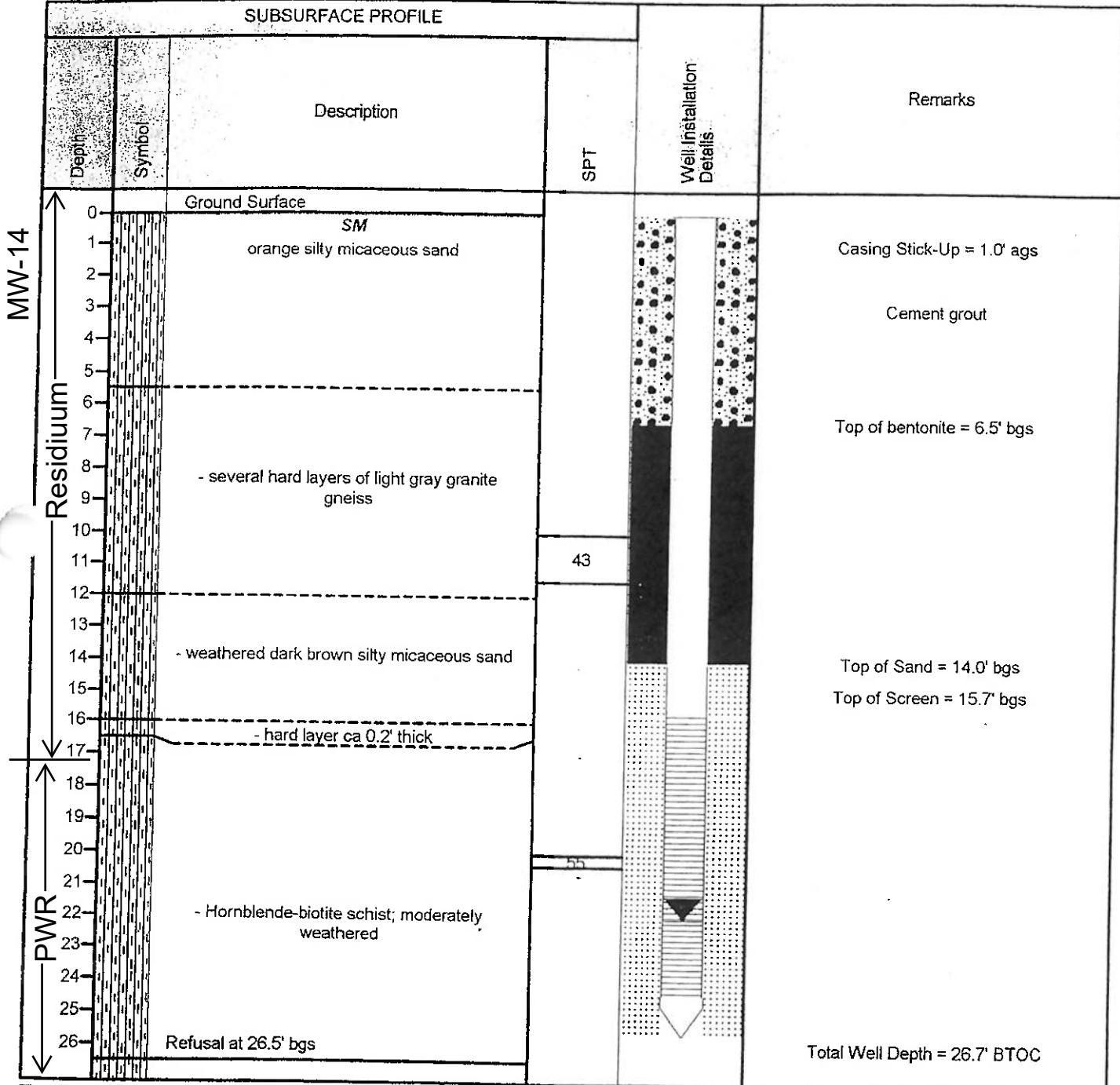
Location: 305' NE of MW8

Boring ID: MW14

Enclosure:

Geologist: Earl Titcomb, P.G.

SUBSURFACE PROFILE



Drilled By: GeoLab

Hole Size: 8-inch

Drill Method: HSA - 4 1/4" bit

Drill Date: April 21, 2004

Sheet: 1 of 1