

Jul-15-03 08:57

From-SVERDRUP TECHNOLOGY

+9313936571

T-922 P.08/16 F-613

HTRW DRILLING LOG		DISTRICT MOBILE		HOLE NUMBER MW-130	
1. COMPANY NAME JACOBS ENG.		2. DRILLING SUBCONTRACTOR BOART/LUNGEAR		SHEET 1 OF 3	
3. PROJECT DDMT-MEMPHIS		4. LOCATION SEE SKETCH			
5. NAME OF DRILLER JON WEEKS		6. MANUFACTURER'S DESIGNATION OF DRILL GUS PESCHE RD3000 SONIC DRILL			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 6" OD CONTINUOUS SAMPLER EXTENDED INTO PLASTIC LINERS		8. HOLE LOCATION SEE SKETCH			
		9. SURFACE ELEVATION			
		10. DATE STARTED 6/25/03		11. DATE COMPLETED 6/25/03	
12. OVERBURDEN THICKNESS NA		15. DEPTH GROUNDWATER ENCOUNTERED 55'			
13. DEPTH DRILLED INTO ROCK 0		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED 52.38 FT/ET. = 23 HRS			
14. TOTAL DEPTH OF HOLE 85 FT		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS	
		OTHER (SPECIFY)		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL	
		X		OTHER (SPECIFY)	
				23. SIGNATURE OF INSPECTOR <i>Bray Smith</i>	
LOCATION SKETCH/COMMENTS SCALE: N=1 TO SCALE 					
PROJECT DDMT-MEMPHIS				HOLE NO. MW-130	

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HTRW DRILLING LOG (CONTINUATION SHEET)

PROJECT		INSPECTOR		SHEET		SHEETS	
DDMT- MEMPHIS		K. Smith		MW-130		2 of 3	
BLV. (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (ft)	FIELD LOGGING (ft)	TESTED SAMPLES (ft)	ANALYTICAL SAMPLE NO.	BLOW COUNT (ft)	REMARKS (ft)
		ASPHALT					BEGAN @ 0800
		GRAVEL					N= 000R
		CLAY, SILTY, BROWN, MOIST, MED. PLASTIC.	15 ppm	5'/5'			
			36 ppm	5'/5'			N= 000R
			40 ppm	5'/5'			N= 000R
			20 ppm	5'/5'			N= 000R
		CLAY, SILTY, BEGGING SANDY W. VERY FINE SAND, MOIST, MED. PLASTIC, BROWN	35 ppm	5'/5'			N= 000R
			2.4 ppm	5'/5'			N= 000R
		CLAY, VERY SANDY W/ FINE SAND, REDDISH-BROWN, MOIST		5'/5'			N= 000R
			0 ppm				
		SAND, SILTY, VERY FINE MOIST, REDDISH BROWN	0 ppm	10'/10'			N= 000R
			0 ppm	10'/10'			N= 000R
			0 ppm				

ENG FORM 5056A-R, AUG. 94

Figure 4-2 (Concluded)

(Proponent: CECW-EQ)

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HTRW DRILLING LOG (CONTINUATION SHEET)							MW - 130
PROJECT		INSPECTOR					SHEET 3 of 3 SHEETS
DATE	DEPTH	DESCRIPTION OF MATERIALS	FIELD TESTS	TESTED SAMPLES	ANALYTICAL	BLOW COUNT	REMARKS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		AS ABOVE					
	55	SAND, SOME GRAVEL, YELLOW BROWN, MOIST	1.7 PPM	10'/15'			NO ODR
	60	SAND, FINE, YELLOW- BROWN, WET		15'/15'			NO ODR
	65	AS ABOVE, BECOMING MED. GRAINED	Ø PPM				
	70						
	75			15'/15'			NO ODR
	80	CLAY, SILTY W/ SOME FINE SAND, MOIST, STIFF, YELLOW-BROWN MOTTLED GRAY	Ø PPM				
	85	T.D. = 85'					COMPLETE @ 1500 HRS
	90						
	95						
	100						
PROJECT DDMT - MEMPHIS						HOLE NO. MW - 130	

ENG FORM 5056A-R, AUG 94

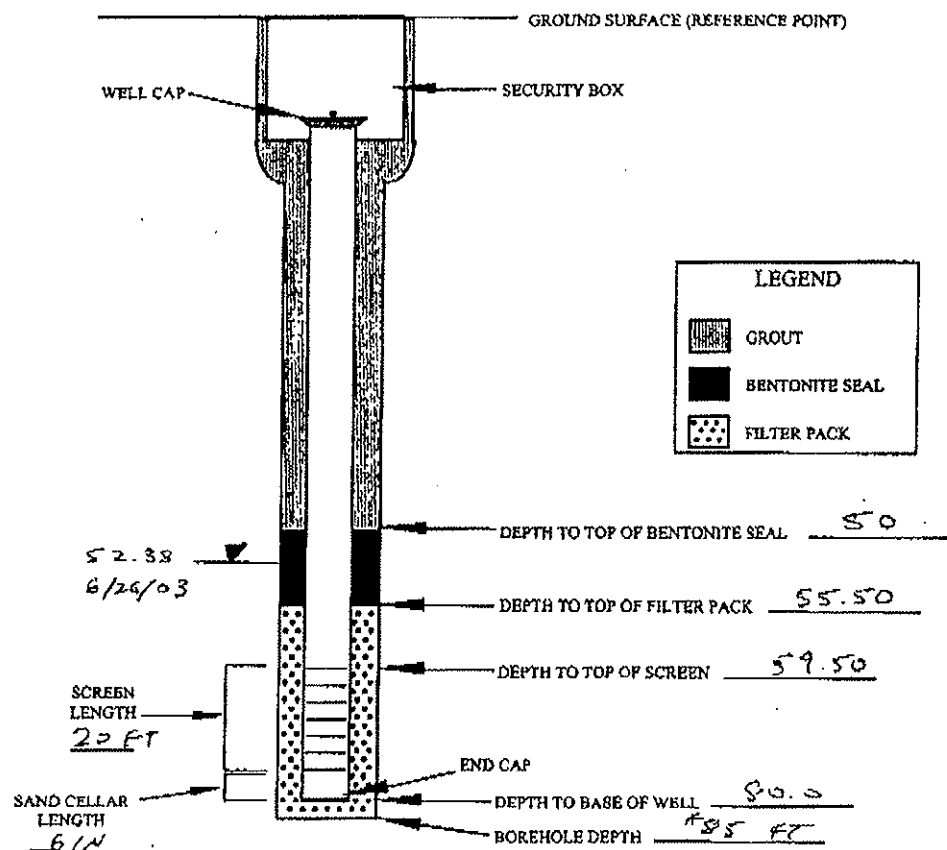
(Proposed) (ECW-BG)

Figure 4-2 (Concluded)

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: K. SMITH TYPE OF FILTER PACK: #2 SAND
 GRADATION: _____
 DRILLING CONTRACTOR: BOART/LUNN YEAR AMOUNT OF FILTER PACK USED: SEE DIAGRAM
 DRILLING TECHNIQUE: SONIC TYPE OF BENTONITE: HOLE AUG
 AUGER SIZE AND TYPE: 6 IN CONTINUOUS AMOUNT BENTONITE USED: SEE DIAGRAM
 BOREHOLE IDENTIFICATION: MW-130 TYPE OF CEMENT: BENTONITE/CEMENT
 BOREHOLE DIAMETER: 6 IN AMOUNT CEMENT USED: SEE DIAGRAM
 WELL IDENTIFICATION: MW-130 GROUT MATERIALS USED: _____
 WELL CONSTRUCTION START DATE: 6/25/03
 WELL CONSTRUCTION COMPLETE DATE: 6/25/03 DIMENSIONS OF SECURITY BOX: 8 IN
 SCREEN MATERIAL: PVC TYPE OF WELL CAP: LOCKING
 SCREEN DIAMETER: 2 IN TYPE OF END CAP: 6 IN FLAT
 STRATUM-SCREENED INTERVAL (FT): 20 FT COMMENTS: _____
 CASING MATERIAL: 5CM 40 PVC
 CASING DIAMETER: 2 IN

SPECIAL CONDITIONS
(describe and draw)



* BOREHOLE COLLAPSED TO 80 FT AS CASING WAS
ADVANCED

NOT TO SCALE

INSTALLED BY: JOAN WEEKE INSTALLATION OBSERVED BY: K. SMITH
 DISCREPANCIES: _____