

HTRW DRILLING LOG				DISTRICT <i>Mobile</i>		HOLE NUMBER <i>MW-63A</i>	
1. COMPANY NAME <i>Jacobs Engineering</i>				2. DRILL SUBCONTRACTOR <i>Boart Longyear</i>		SHEET <i>1</i> OF <i>5</i>	
3. PROJECT <i>Memphis Army Depot</i>				4. LOCATION <i>Between Building 629 & 630</i>			
5. NAME OF DRILLER <i>Stacey Kizewski</i>				6. MANUFACTURER'S DESIGNATION OF DRILL <i>Sonic Boart Longyear</i>			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT				8. HOLE LOCATION <i>See sketch below</i>			
				9. SURFACE ELEVATION			
				10. DATE STARTED <i>7-23-02</i>		11. DATE COMPLETED <i>7-24-02</i>	
12. OVERBURDEN THICKNESS <i>NA</i>				13. DEPTH GROUNDWATER ENCOUNTERED			
13. DEPTH DRILLED INTO ROCK <i>NA</i>				14. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <i>NA</i>			
14. TOTAL DEPTH OF HOLE <i>145</i>				15. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <i>NA</i>			
16. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES <i>NA</i>	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		OTHER (SPECIFY)	
				<i>X</i>			
LOCATION SKETCH/COMMENTS						21. TOTAL CORE RECOVERY %	
						22. SIGNATURE OF INSPECTOR <i>Chris Hieber</i>	
LOCATION SKETCH/COMMENTS						SCALE:	
PROJECT						HOLE NO.	

HTRW DRILLING LOG

(CONTINUATION SHEET)

HOLE NUMBER
MW-63A

CT
Memphis Army Depot

INSPECTOR
Chris Hickman

SHEET SHEETS
2 OF 5

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	FIELD SCREENING RESULTS (D)	GEOTECH SAMPLE OR CORE LOG NO. (E)	ANALYTICAL SAMPLE NO. (F)	NONCOUNT (G)	REMARKS (H)
		0-6" Gravel + Asphalt 6"-4" Gravel	0 ppm			US 25	
	5	4'-5' Silty clay 10R 6/B Dry	10 ppm			GC	4-5' old 50% chert Gravel Angular Very stiff 8'-5' 2' recovery
		5-10' Silty clay 7.5R 4/6 moist, stiff, plastic (Med)	0 ppm			CH	
	10	No gravel. 100% recovery No sand	0 ppm				
		10-15' Silty clay 7.5R 4/6 Moist stiff, plastic (Med)	1 ppm			CH	
	15	No gravel 100% recovery No sand	1 ppm				
		15'-18' Same as above	0 ppm				
		18-21' Silty clay 10R 5/B Very stiff. Med plastic.	0 ppm			CH	
	20	No gravel No sand.	0 ppm				
		21-25' Same as 15'-18' Interval.	0 ppm 0 ppm 1 ppm				
	25	25'-35' B. 5' recovery				CH	
		25-27' Silty clay trace of fine sand U. stiff 10R 3/6 Moist	0 ppm			CH/SM	
	30	27'-30' Silty clay with some fine sand U. stiff 10R 3/6	0 ppm 0 ppm				
		30'-35' Sandy silt 7.5R 4/6 Sand is very fine to fine subangular very little mica with = 25% silt	1 ppm 0 ppm			SM	
	35	35'-45' 100% recovery	1 ppm			SM	
		35'-37' 10R 3/6 Sandy silt stiff, damp, sand very fine to fine	12 ppm 1 ppm			SM	
	40	37'-41' 10R 3/6 Sandy silt U. stiff damp, sand very fine to fine	1 ppm			SM	
		41'-45' Sandy silt, Loose, damp color grades from 10R 3/6 to 5R 6/B. Sandy very fine to fine	5 ppm 1 ppm				
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SHEET SHEETS
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ELEV. (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (ft)	FIELD SCREENING RESULTS (ft) PID	GEOTECH SAMPLE OR CORE LOG NO. (ft)	ANALYTICAL SAMPLE NO. (ft)	SCOP/COMMIT USCS (ft)	REMARKS (ft)
	45'	45'-55' 7.5' Recovery	1ppm				
		45'-48' Same as above with a 3" 10R 3/6 Lense @ 46'	0ppm 10ppm	SM			
	50'	48'-50' Sandy Gravel with trace of silt. Moist, Loose, 7.5YR	1ppm	SM/6P			
		7/8. Sand fine to v. fine gravel fine to coarse subrounded, trace	1ppm				
	55'	50'-55' Sandy silt. with few of gravel, Loose wet to damp		SM			
		7.5Y 7/8 fine to v. fine sand gravel fine subrounded					
	55'	55'-65' 100% Recovery,	4ppm				
		55'-62' Sandy Gravelly Silt	5ppm	SM/6P			
		Loose, wet, 7.5YR 7/6	7ppm				
	60'	Sand fine to coarse subrounded, Gravel fine to coarse subrounded	10ppm				
		62'-65' Sandy Silt, Loose, Damp, 2.5YR 5/8, sand	8ppm				
		Fine to coarse subrounded.	7ppm	SM			
	65'	65'-75' 8' Recovery	10ppm				
		65'-70' Sandy Gravel, Loose	15ppm	SM			
		7.5YR 7/6, Sand fine to coarse subrounded, Gravel fine to coarse	12ppm	SM/CL			
	70'	subrounded, wet	10ppm				
		70'-72' Silty Sand Firm, Dry,	7ppm				
		5YR 7/6, sand fine to med	5ppm	SM			
		72'-74' Sand trace silt Dry					
		Loose, v. fine to fine sand, 10YR 8/2					
	75'	75'-85' 9' Recovery	5ppm	CL			
		75'-76' Silty clay, stiff, Moist	7ppm				
		5YR 6/6, No sand or gravel.	20ppm				
	80'	76'-83' Sand trace silt Dry	10ppm	SM			
		Loose v. fine to fine 10YR 8/2	5ppm				
		83'-85' Sand and gravel.	2ppm	SM/6P			
		med to coarse subrounded sand coarse to fine subrounded gravel	20ppm				
		10YR 2/1 (Black)					
	85'	85'-90' 100% Recovery	150ppm				
		85'-90' Sand trace of silt.	100ppm				
		Loose, Damp, fine to med.					
		Subrounded sand. 10YR 6/4	175ppm				
	90'	Some dark Mn stains.	ve. good				
	95'						

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(CONTINUATION SHEET)

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PROJECT

INSPECTOR

SHEET 4 OF 5 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE LOG NO. (e)	ANALYTICAL SAMPLE NO. (f)	STANDARD (g)	REMARKS (h)
	90	90-105' 12' Recovery	50ppm			USGS	
	95	90-105' Sand trace of silt. Loose, moist, Med to fine trace of coarse sand subrounded, Mn deposits @ 92' & 95'	75ppm 27ppm				SM.
	100	Color changes as follows 90'-97' 10YR 8/3 97'-102' 10YR 8/8 102'-105' 5YR 5/8 Pick up a trace of coarse gravel @ 103' to 105'	76ppm 120ppm 155ppm No odors				
	105	105-115 100% Recovery	40ppm				
	110	105-115 Sand trace of silt. Loose, Moist Med to fine Grained trace of Coarse silt subrounded, Small 1" silt lens @ 109.5'	50ppm 93ppm				SM
	115	Colors: 105-109 5YR 8/4 109-111 5YR 7/6 111-115 5YR 6/6	No odors				
	120	115-135 50% Recovery 115-125 No Recovery					
	125	125'-128' Sand trace of silt and Gravel. Sand is v. fine to med. subrounded Gravel is fine subrounded 10YR 8/3 Moist, Loose	1ppm 5ppm 4ppm				SM
	130	128-131' Sand and Gravel trace of silt Moist Loose Sand is fine to med subrounded Gravel is fine to coarse subrounded 10YR 8/4	2ppm 1ppm				GP-DB-131' SM
	135	131'-135 - Same as 125'-128' Small silt lens @ 131' 2" thick	No odors				

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SHEET

SHEETS

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ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	FIELD SCREENING RESULTS (D)	GEOTECH SAMPLE OR CORE LOG NO. (E)	ANALYTICAL SAMPLE NO. (F)	TESTING (G)	REMARKS (H)
	135	135-140 Sand trace of silt. Loose, wet, 10YR 8/4 Sand is v. Fine to Med subrounded				SM	
	140	140-145 - clay with silt. Very stiff No fines Mottled 10YR 8/6 Mottles 10YR 8/1. Bottom of Boring well set bottom of screen @ 140' b66					
	145						Bottom of Boring

PROJECT

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