

# PARSONS ENGINEERING SCIENCE

## SOIL BORING LOG AND WELL CONSTRUCTION RECORD

Client CEHNCSite Memphis DepotBoring I.D. SB-1Geologist/Engineer Ross SurrencyDrilling Method 1/4" HSASampling Method 3" Diameter Split SpoonDate Started 8/6/98Date Completed 8/24/98Driller Atlanta Testing and EngineeringBorehole Diameter (in) 8Depth Drilled (ft) 84Ground Elevation (ft) 288.51Depth to Water (ft) 65.46Date Measured 8/27/98

Page 1 of 3

Project I.D. 732283.02Well I.D. MW-60Date Installed 8/24/98Date Grouted 8/24/98Casing Material 2" Diameter sch 40 PVCScreen Material 0.010 Slot 2" PVCCasing Interval (ft) 0-72.5Screened Interval (ft) 72.5-82.5Sump Installed? NOWell Depth (ft) 83TOC Elevation (ft) 288.28Water Level (ft) 220.82Date Measured 8/27/98

DEPTH (feet)	SAMPLE	BLOWS/6 IN	% REC.	HNU/OVA (ppm)	LITHOLOGIC DESCRIPTION	SOIL CLASS	GRAPHIC LOG	WELL DIAGRAM
0	X	N/A	N/A	0	SILT, some clay, little gravel, brown (7.5YR-5/4), dry, (loess), 8" nail at 1', (loess).	ML		
	X	4,4, 4,3	100	0	SILT, (30% clay), soft, strong brown, (7.5YR-5/8), little gravel, sl. moist, small nail in sample, (loess).	CL		
5	X	2,2, 2,2	100	0	CLAY, (30% silt), soft, strong brown (7.5YR-5/8), trace gravel, sl. moist, (loess).	CL		
	X	1,2, 3,4	100	0	CLAY, As above.	CL		
	X	7,5, 4,9	100	0	CLAY, (20% silt), firm, piece of concrete at 8', light brown (7.5YR-8/4), little gravel, rounded, slightly moist, (loess).	CL		
10	X	4,5, 4,5	90	0	CLAY, (20% silt), firm, light brown (7.5YR-8/4), slightly moist, trace gravel, rounded, (loess)	CL		
	X	2,2, 2,3	50	0	CLAY, (30% silt), soft, light yellowish brown, (2.5YR-8/3), slightly moist, (loess).	CL		
15	X	4,5, 7,6	70	0	SILT, (20% clay), light brown (7.5YR-8/4), slightly moist, (loess).	ML		
20	X	5,7, 8,-	50	0	CLAY, little silt, firm, brown (7.5YR-5/4), slightly moist, (loess).	CL		
25	X	8,7, 9,-	80	0	CLAY, as above but mottled, strong brown (7.5YR-5/8), (loess).	CL		
30	X	9,10, 16,-	90	0		CL		

Riser

Bentonite Slurry

WRAP

# ENGINEERING - SCIENCE

## SOIL BORING LOG AND WELL CONSTRUCTION RECORD

Client CEHNCSite Memphis DepotBoring I.D. SB-2Geologist Ross Surrency

Page 3 of 3

Project I.D. 732283.02Well I.D. MW-60Date Installed 8/24/98

DEPTH (feet)	SAMPLE	BLOWS/6 IN	%REC.	HMW/OVA (ppm)	LITHOLOGIC DESCRIPTION	SOIL CLASS	GRAPHIC LOG	WELL DIAGRAM
65	X					GM		
70	X	20,32, 44,-	70	6.4	SAND, medium to coarse, mostly medium, subrounded, dense, wet, brownish yellow (10YR-6/8).			
75	X	10,23, 39,-	75	1.4	SAND, medium to coarse, trace fine gravel, subrounded, brownish yellow (10YR-6/6), very firm to dense, wet, 1/2" wide clay seam along length of spoon.			
80	X	17,50, -,-	20	2.5	SAND, medium to coarse, firm to dense, subrounded, yellow (10YR-7/6), wet.			
85					Boring terminated at 84' BGS.			
90								
95								