



MACTEC Engineering and Consulting
3200 Town Point Dr, Suite 100
Kennesaw, GA 30144

FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-151**

TOTAL DEPTH: **106**


PROJECT INFORMATION

PROJECT: **DDMT**
SITE LOCATION: **Memphis, TN**
JOB NO.: **6301-04-0002**
LOGGED BY: **Kevin Arnold**
PROJECT MANAGER: **Tom Holmes**
DATE DRILLED: **8/14/04**

DRILLING INFORMATION

DRILLING CO.: **ProSonic**
DRILLER: **David Wilcox**
RIG TYPE: **RotoSonic**
TOP OF CASING ELEVATION: **284.27'**
GROUND SURFACE ELEVATION: **284.42'**

NOTES:

- 1) Drilling technique: 0 to 106.0 ft, bgs 6-inch diameter borehole with roto sonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 97.0 ft, bgs with 20 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4)  Stabilized water level measured on 8/19/04

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION	WELL DESCRIPTION
0		NR	No Recovery			
-5		CL	brown (7.5 YR 4/3), low to non-plastic, silty CLAY, medium stiff	0.0		Grouted Annulus
-10		CL	dark brown (7.5 YR 3/3), low to medium plastic, silty CLAY, medium stiff, moist	2.1		
-15				2.2		
-20		CL	brown (7.5 YR 4/4), low to non-plastic, silty CLAY, medium stiff			
-25		CL	brown (7.5 YR 4/4), non-plastic silty CLAY, with well sorted, rounded fine gravel	0.0		
-30		NR	No Recovery	0.0		
-30		CL SP	brown (7.5 YR 4/4), non-plastic silty CLAY, with well sorted, rounded fine gravel	0.0		
-35			red (2.5 YR 5/6), fine to medium grain SAND with trace clay and trace rounded fine gravel, well sorted, loose	0.0		
-40		NR	No Recovery	0.0		
-40		SP	red (2.5 YR 5/6), fine to medium grain SAND with trace clay and trace rounded fine gravel, well sorted, loose	0.0		

