

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

## FIELD BOREHOLE LOG

BOREHOLE NO.: MW-165A

TOTAL DEPTH: 88'

PROJECT INFORMATION		DRILLING INFORMATION			
PROJECT:	DDMT	DRILLING CO.:	ProSonic		
SITE LOCATION:	Memphis, TN	DRILLER:	Dan O'Mara		
JOB NO.:	6301-04-0002	RIG TYPE:	RotoSonic		
LOGGED BY:	Bill Payne	TOP OF CASING	287.26'		
PROJECT MANAGER:	<b>Tom Holmes</b>	ELEVATION: GROUND SURFACE			
DATE DRILLED:	11/14/04	ELEVATION:	287.53'		

## NOTES:

- 1) Drilling technique: 0 to 88.0 ft, bgs 6-inch diameter borehole with rotosonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 86.61ft, bgs with 15 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) Tabilized water level measured on 11/20/04

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION	WELL DESCRIPTION
0-		CL	brown (7.5 YR 4/4), silty CLAY			Grouted Annulus
-5-				0.0		
-10 -				0.0		
-15 -				0.0		
-20 -				0.0		
-25 -		CL SW	yellowish-red (5 YR 5/6), fine to medium grain sandy, silty, CLAY  yellowish-red (5 YR 5/8), fine grain SAND to coarse	0.0		
-30 —			GRAVEL	0.0		
-35 —				3.0		
-40 -		SP	red (2.5 YR 5/8), very fine grain SAND grading into red (2.5 YR 5/8), fine to medium grain SAND	1.5		

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## Borehole No. MW-165A WELL WELL SOIL FID DEPTH USCS SOIL DESCRIPTION **COMPLETION** ppm DESCRIPTION **SYMBOLS** SW reddish-yellow (7.5 YR 6/8), fine to coarse grain SAND with fine gravel $\,$ -45 0.0 -50 0.0 -55 0.0 -60 39.9 SP brownish-yellow (10 YR 6/6), fine grain SAND Bentonite -65 0.0 light gray (2.5 YR 7/1), very fine grain SAND SP SWbrownish-yellow (10 YR 6/8), fine to coarse grain SAND with fine $\mbox{GRAVEL}$ -70 0.0 Sand Pack / Screened Interval -75 SP reddish-yellow (7.5 YR 6/8), medium to coarse grain SAND with trace fine gravel -80 -85 Boring Terminated at 88 ft, bgs

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