

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

FIELD BOREHOLE LOG

BOREHOLE NO.: MW-166A

TOTAL DEPTH: 80'

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:	Jaime Piver	TOP OF CASING		
PROJECT MANAGER:	Tom Holmes	ELEVATION: GROUND SURFACE		
DATE DRILLED:	11/13/04	ELEVATION:		

NOTES:

- 1) Drilling technique: 0 to 80 ft, bgs 6-inch diameter borehole with rotosonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 83.15ft, bgs with 15 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) **▼** Stabilized 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 5/4) soft silty CLAY, trace pebbles at 8 ft.			Grouted Annulus
-5-				0.0		
-10 -				0.0		
-15 —				0.0		
		CL	brown (7.5 YR 4/3, 4/4) silty CLAY with fine gravel	0.0		
-20 -		SP	yellowish red (5/6, 5 YR) gravelly SAND reddish yellow (2.5 YR 6/8) fine to medium grain SAND with coarse gravel	1.7		
-25 –		SW SP	red (2.5 YR 5/6) medium to coarse grained SAND with trace GRAVEL yellowish red (2.5 YR 5/6) fine grain SAND to sub-	1.4		
-30 -		SW SP	rounded very coarse grained gravel reddish yellow (5 YR 5/8) fine to medium grained SAND with trace pebbles	0.6		
-35 —		SP	yellowish red (5 YR 5/8) fine to medium grained gravelly SAND	0.3		
-40 -		sw	reddish yellow (7.5 YR 6/6), fine to medium grain gravelly SAND	8.3		

Created by: AMC 08/21/04 Checked by: RNQ 09/02/04

Borehole No. MW-166A SOIL FID WELL WELL DEPTH USCS SOIL DESCRIPTION **COMPLETION** DESCRIPTION ppm **SYMBOLS** -45 9.9 -50 0.0 SP reddish yellow (7.5YR 6/8) fine to medium grain SAND -55 3.7 SP reddish yellow (7.5 YR 6/8) medium to coarse grain SAND -60 0.0 Bentonite reddish yellow (7.5 YR 6/8) fine to coarse grain SAND with trace pebbles SP Sand Pack / -65 0.0 Screened Interval SW reddish yellow (7.5 YR 6/8) fine to coarse grain SAND with trace pebbles -70 0.0 -75

Boring Terminated at 80 ft, bgs

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