

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

| FIELD BOREHOLE LOG

BOREHOLE NO.: MW-165

TOTAL DEPTH: 118'

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

ELEVATION: 287.06'

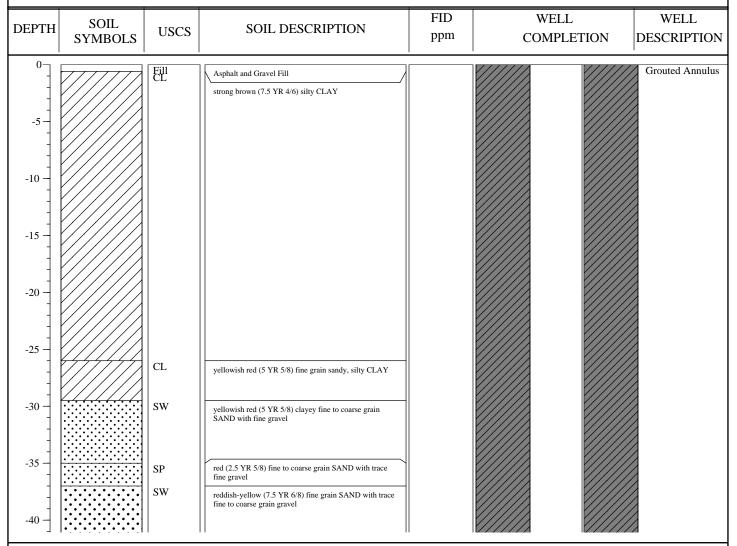
Tom Holmes GROUND SURFACE

DATE DRILLED: 11/17/04 ELEVATION: 287.35'

NOTES:

PROJECT MANAGER:

- 1) Drilling technique: 0 to 118 ft, bgs 6-inch diameter borehole with rotosonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 103.5ft, bgs with 15 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) The Stabilized water level measured on 11/20/2004



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

Borehole No. **MW-165** WELL WELL SOIL FID DEPTH USCS SOIL DESCRIPTION **COMPLETION** DESCRIPTION ppm **SYMBOLS** SWreddish-yellow (7.5 YR 6/8) fine grain SAND to coarse \mbox{GRAVEL} -45 -50 -55 SP light gray (5 YR 7/1) very fine grain SAND -60 SW yellow (10 YR 7/6) fine grain SAND grading into yellowish brown (10 YR 5/8) fine grain SAND to coarse GRAVEL SW yellow (10 YR 7/8) fine grain SAND grading into brownish yellow (10 YR 6/8) fine grain SAND to coarse GRAVEL -65 SP CLbrownish yellow (10 YR 6/8) fine grain SAND SW 1" clay lense -70 SP brown (7.5 YR 5/4) fine grain SAND to fine GRAVEL ∇ yellow (10 YR 7/8) fine grain SAND -75 SP greenish-gray (1 GLEY 5/1) fine to medium grain SAND with fine to coarse gravel -80 Bentonite SP yellow (10 YR 7/8) fine to coarse grain SAND with fine gravel -85 Sand Pack / Screened Interval -90 -95 -100 CLdark gray (1 GLEY 4/1) CLAY -105 Bentonite Plug -110 -115 Boring Terminated at 118 ft, bgs

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