



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


FIELD BOREHOLE LOG





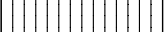













BOREHOLE NO.: **DR1-2**

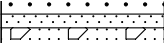
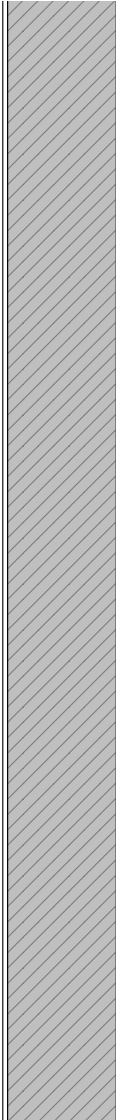

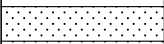

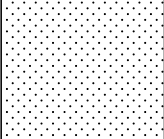

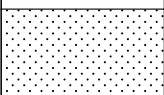
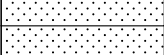
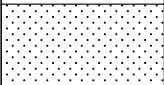
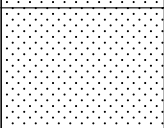
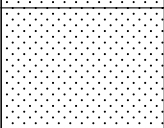

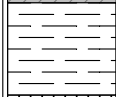
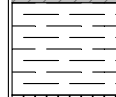
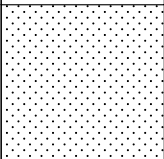
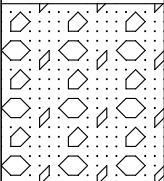
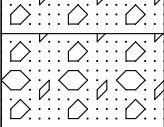
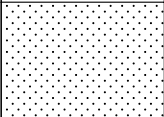
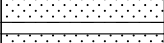
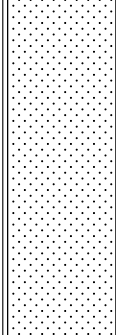
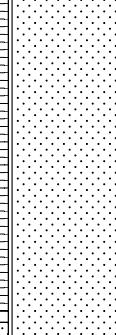
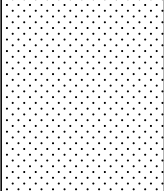
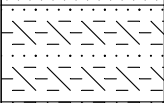
TOTAL DEPTH: **136**

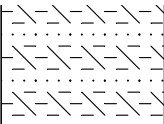
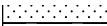
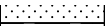
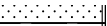
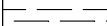
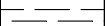
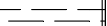
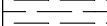
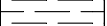
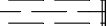
PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	DDMT	DRILLING CO.:	ProSonic
SITE LOCATION:	Memphis, TN	DRILLER:	David Wilcox
JOB NO.:	6301-04-0002	RIG TYPE:	RotoSonic
LOGGED BY:	Bill Payne	TOP OF CASING ELEVATION:	290.08'
PROJECT MANAGER:	Tom Holmes	GROUND SURFACE ELEVATION:	290.28'
DATE DRILLED:	5/6/04		

NOTES:

- 1) Drilling technique: 0 to 136 ft, bgs 6-inch diameter borehole with rotosonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 118 ft, bgs with 20 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4)  Stabilized water level measured on 6/25/04

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION		WELL DESCRIPTION
0		ML	Asphalt	0.0			Grouted Annulus
-5			brown clayey SILT	0.0			
-10				0.0			
-15		ML	brown clayey, very fine grain sandy, SILT	0.0			
-20		ML	reddish brown clayey, very fine grain sandy, SILT	0.0			
-25		SM	reddish brown silty, fine grain SAND	0.0			
-30		SP	reddish brown medium grain SAND with <10% coarse to fine gravel	0.0			
-35		SP	reddish and yellowish brown to brown fine grain SAND with trace clay	0.0			
-40		SW	brown medium to coarse grain SAND and subrounded to subangular fine to coarse GRAVEL	0.0			

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION		WELL DESCRIPTION
-45		SP	light brown fine SAND lense	0.0			
		SP-GW	brown medium to coarse grain SAND and subrounded to subangular fine to coarse GRAVEL				
		SP	light brown fine SAND				
-50		SP	brown medium to coarse grain SAND and subangular fine GRAVEL	6.5/0.0			
-55		NR	no recovery	NA			
-60		SP	brown medium to coarse grain SAND and subangular fine GRAVEL				
		SP	light yellowish brown medium grain SAND with <5% coarse grain sand	0.0			
-65		SP	brown fine to medium grain SAND and fine to coarse gravel (<25%)	0.0			
-70		SP	brown medium grain SAND	0.0			
-75		SP	brown medium grain SAND with <10% coarse grain sand and fine gravel	0.0			
-80		SP	light brown medium to coarse grain SAND with trace clay, moist	0.0			Bentonite Plug
-85		SP	light brown medium grain SAND with <20% fine to coarse gravel, damp	NA			
-90		SP-GW	light brown medium to coarse grain SAND and fine to coarse GRAVEL, damp	NA			
-95		SP-GW	light brown medium to coarse grain SAND and fine to coarse GRAVEL, damp	NA			
-100		SP	very light brown fine grain SAND with <5% fine gravel	NA			
-105		CL	brown, ocher and light brown thin bedded CLAY	NA			Sand Pack / Screened Interval
-110		SP	brown medium to coarse grain SAND and <10% fine gravel	NA			
-115		CL	brown to brownish gray silty CLAY	NA			

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION			WELL DESCRIPTION
-120		CL	light brownish gray very fine grain sandy CLAY	NA				Back - filled with bentonite
-125		CL-SP	grayish brown CLAY and medium to coarse grain SAND	NA				
-130		CL	dark gray CLAY and some silt	NA				
-135			Boring Terminated at 136 ft, bgs	NA	