



MACTEC Engineering and Consulting
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FIELD BOREHOLE LOG

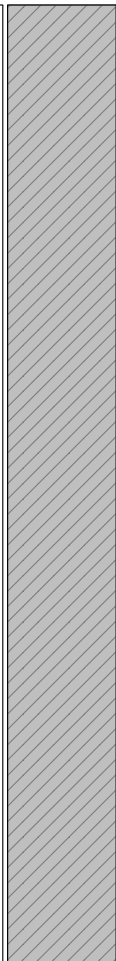

BOREHOLE NO.: **DR2-6**

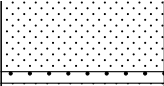
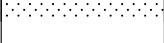
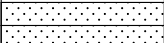
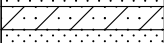
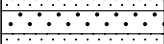
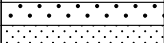
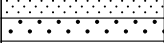







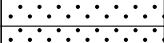




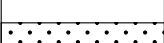



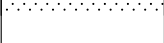
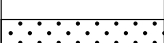


TOTAL DEPTH: **126**

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:	Amy Callaway	TOP OF CASING ELEVATION:	304.70'
PROJECT MANAGER:	Tom Holmes	GROUND SURFACE ELEVATION:	304.92'
DATE DRILLED:	6/17/04		

NOTES:

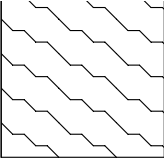
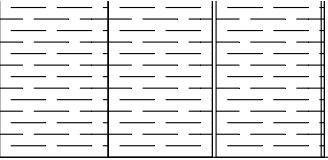
- 1) Drilling technique: 0 to 126 ft, bgs 6-inch diameter borehole with roto sonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 115.9ft, bgs with 20 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4)  Stabilized water level measured on 6/24/04

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION		WELL DESCRIPTION
0		NR	no recovery	0.0			Grouted Annulus
-5		CL	dark yellowish brown (10YR 4/4) silty CLAY with some roots	0.0			
-10		MH	greenish gray (GLE Y1 5/1 10Y) SILT	0.0			
-15		ML	brown (10YR 5/3) SILT some clay	0.0			
-20		CL	dark yellowish brown (10YR 4/4) silty CLAY	0.0			
-25		CL	dark yellowish brown (10YR 4/6) sandy CLAY	0.0			
-30		SC	light gray (7.5YR 7/1) and reddish yellow (7.5YR 6/8) and dark red (10R 3/6) clayey SAND	0.0			
-35		NR	no recovery	0.0			
-40		SC	light gray (7.5YR 7/1) and reddish yellow (7.5YR 6/8) and dark red (10R 3/6) clayey SAND	0.0			
		SP	yellowish red (5YR 5/8) to yellow (10YR 7/6) fine grain	0.0			

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION	WELL DESCRIPTION
-45		SW	SAND			
		NR	yellow (10YR 7/6) gravelly, fine grain SAND	0.0		
		SP	red (2.5YR 4/8) coarse grain SAND			
		SP	no recovery			
-50		SC	reddish yellow (7.5YR 6/8) fine to medium grain SAND with some gravel	0.0		
		SP	yellowish red (5YR 5/8) gravelly coarse grain SAND			
		SW	strong brown (7.5YR 5/6) clayey, gravelly coarse grain SAND			
		SW	yellowish red (5YR 5/8) fine grain SAND some gravel	0.4		
-55		SW	yellow (10YR 7/6) gravelly cobbly fine grain SAND			
			very pale brown (10YR 7/4) fine grain SAND			
-60			brownish yellow (10YR 6/6) gravelly fine grain SAND with some cobbles			
			brownish yellow 10YR 6/6 to very pale brown (10YR 7/3) fine grain SAND			
-65			reddish yellow (7.5YR 6/8) well graded SAND	0.0		
			reddish yellow (5YR 6/6) and red (2.5YR 5/8) to yellow (10YR 7/8) gravelly well graded SAND			
-70		SW	yellow (10YR 7/8) gravelly well graded SAND with cobbles	0.0		
-75		NR	no recovery	0.4		
-80		SW	yellowish brown (10YR 5/8) gravelly fine grain SAND, damp	0.0		
-85		SP	reddish yellow (7.5YR 6/8) fine grain SAND, moist	NA		
		NR	no recovery			
-90		SW	strong brown (7.5YR 5/8) gravelly fine grain SAND, wet	NA		
-95		SW-SC	strong brown (7.5YR 5/8) gravelly fine grain SAND with some clay, wet	NA		
		NR	no recovery			
-100		SP	strong brown (7.5YR 5/6) fine grain SAND, wet	NA		
-105		SP	strong brown (7.5YR 5/6) fine to medium grain SAND, some gravel, wet	NA		
		SP	strong brown gravelly coarse grain SAND, wet	NA		
-110		SP-SC	pale brown (10YR 6/3) and reddish yellow (7.5YR 6/8) very fine SAND with some clay, wet	NA		
-115		CH	dark gray (10YR 4/1) fat CLAY	NA		

Bentonite Seal

Sand Pack / Screened Interval

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION	WELL DESCRIPTION
-120			<div>Boring Terminated at 126.0 feet bgs</div>	NA		Bentonite Plug
-125				NA		