

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

FIELD BOREHOLE LOG

BOREHOLE NO.: MW-159

TOTAL DEPTH: 106'

			nnesaw, GA 30144					
	PROJECT	INFOR	MATION	DRILLING INFORMATION				
PROJECT: DDM			МТ	DRILLING CO.:		ProSonic	ProSonic	
SITE LOCATION: Me		mphis, TN	DRILLER:		David Wilcox	David Wilcox		
JOB NO.: 6301-04-0019			RIG TYPE:		RotoSonic	RotoSonic		
LOGGED BY: Kevin Arnold					CASING	286.33		
PROJECT MANAGER: Tom Holmes			ELEVA	ATION: ND SURFA				
DATE DRILLED: 10-6-04			6-04	ELEVA		286.58		
2) Wel 3) We	ling technique: ll construction: ll screens the f	2-inch dia luvial aqu	Oft, bgs 6-inch diameter bore meter schedule 40 PVC casir ifer. easured on 10/07/04			rith 20 ft of 0.01-inch slot w	vell screen.	
					FID	WELL	WELL	
DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTIC	ON	ppm	COMPLETION	DESCRIPTION	
		CL CL CL SP-SC SP SP	No Recovery dark yellowish brown (10YR 4/6) silty CL/ slightly plastic dark yellowish brown (10YR 4/4) silty CL/ medium stiff, medium plastic, moist yellowish brown (10YR 5/8) silty CLAY, r to stiff, medium plasticity yellowish brown (10YR 5/8) well rounded, gravelly, silty CLAY, trace cobbles, mediu slightly plastic yellowish red (5YR 5/6) fine to coarse grav fine grain SAND, medium stiff No Recovery red (2.5YR 5/8) slightly clayey, rounded to fine gravelly, fine grain SAND, trace coarse red (2.5YR 5/8) slightly fine gravelly, fine with some medium grain sand, loose No Recovery	AY, soft to AY, soft to nedium stiff well sorted m stiff, relly, clayey subrounded e gravel, loose	0.0 0.0 0.0 0.0 0.0 0.0		Grouted Annulus	
-40 -		SP-GC	red (5YR 5/8) slightly clayey, fine GRAVE	EL, loose	0.0			
Created Checke	l by: AMC 08/2 d by: RNQ 09/0	21/04 02/04					Page 1 of 2	

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DEPTH	SOIL	USCS	SOIL DESCRIPTION	FID	WELL	WELL
	SYMBOLS		SOIL DESCRIPTION	ppm	COMPLETION	DESCRIPTION
-45		SP	light reddish brown (5YR 6/4) fine to coarse gravelly, fine grain SAND, with trace very rounded to subrounded cobbles, loose	0.0		
-			No Recovery			
-50		SW	pink (5YR 7/3) and reddish yellow (5YR 6/6) slightly clayey, fine to coarse, well graded, rounded to subrounded gravelly, fine grain SAND, loose	0.0		
-55 -		SP	pink (5YR 7/3) fine grain SAND, very loose	0.0		
-			No Recovery	0.0		
-60 -	• • • • • • • • • • •	SP	light red (2.5YR 6/8) slightly medium grain sand and fine grain SAND, loose	0.0		
-		SP	pink (5YR 7/4) slightly medium grain sand and fine grain SAND, well sorted, loose			
-65 -				0.0		
-			No Recovery			
-70 -	•••••	SP	nink (5VD 7/4) skielette medium ersie oord end fine	0.0		Bentonite Seal
-			pink (5YR 7/4) slightly medium grain sand and fine grain SAND, well sorted, loose			
-75 —		SW	yellowish red (5YR 5/8) fine gravelly, fine grain SAND, well graded, loose, wet No Recovery	-		Sand Pack /
-80 -		SW	yellowish red (5YR 5/8) fine gravelly, fine grain SAND, well graded, loose, wet	-		Screened Interva
-			pinkish gray (5YR 6/2) CLAY, medium stiff, highly plastic			1
-85		Ś₩	yellowish red (5YR 5/8) fine gravelly, fine grain SAND, well graded, loose, wet			:
-		SW	No Recovery yellowish red (5YR 5/8) fine gravelly, fine grain SAND,	-]
-90			well graded, loose, wet			•
-95 -						1
-		CL ML	bluish black (GLEY 2/2.5 5PB) silty CLAY, hard bluish black (GLEY 2/2.5/1) clayey SILT, loose]
-100 -		CL	bluish black (GLEY 2/2.5/1) silty CLAY, dense, hard			:
-						Bentonite Plug
-105			Boring Terminated at 106 feet bgs			-