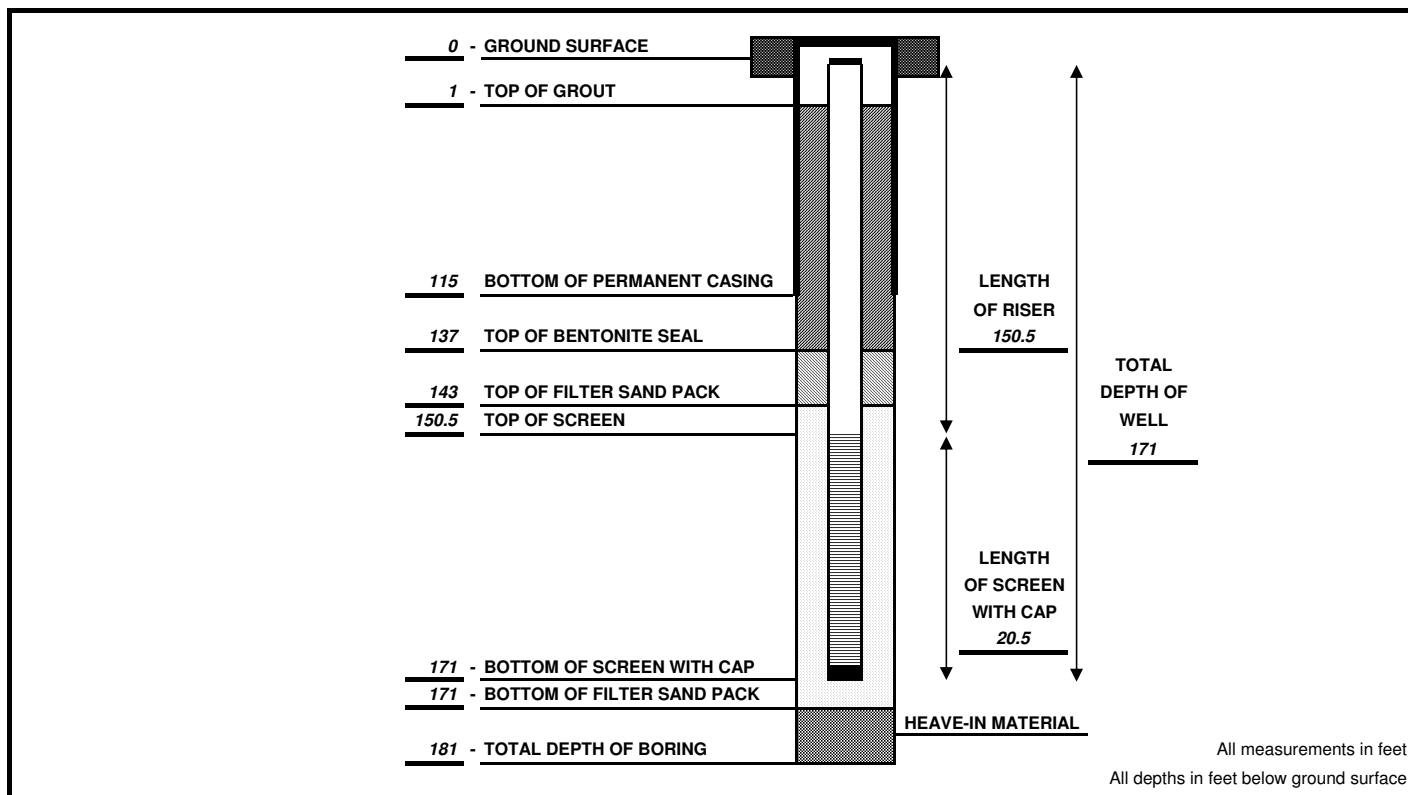


**CH2MHILL****Monitoring Well / Piezometer Completion Diagram***Flush Mount*

Project Name	Memphis Depot	Project Number	334469.SA.HS	Northing	281294.53
Project Location	Memphis, Tennessee	Start Date / Time	8/17/2007	Easting	801006.27
Well / Piezometer ID	MW-232	End Date / Time	9/17/2007		

Ground Surface Elevation	285.63	Static Water Level (ft btoc)	132.92
Top of Casing Elevation	285.18	Measured On	9/24/2007
Concrete Pad		Filter Pack Type	20 / 40
Dimensions	3 x 3 ft	Manufacturer	Southern Filter Media
Drain Tube	N	Amount Sand Used	18 X 50-lb bag(s)
Well Casing		Bentonite Type	3/8" Chips / Bentonite Powder (Gel)
Diameter	6"	Manufacturer	DSI SHUR-PLUG / DSI PURE-GEL
Material	Schedule 40 PVC	Amount Bentonite Below Screen	N/A
		Amount Bentonite Used (Seal)	3 X 50-lb bag(s)
Screen		Cement Type	Portland Type I
Diameter	6"	Manufacturer	Ash Grove
Material	Schedule 40 PVC	Amount Cement Used (Grout)	20 X 92.6-lb bag(s)
Slot Size	0.01	Density of Grout	11.0 lbs/gal
Permanent Casing		Cement Type (Permanent Casing)	Portland Type I
Diameter	12"	Manufacturer	Ash Grove
Material	Welded Carbon Steel Casing	Amount Cement Used (Grout)	38 X 92.6-lb bag(s)
		Density of Grout	14.7 lbs/gal
Drilling Technique	Mud Rotary (M) / Rotosonic (R)	Drilling Contractor	Boart Longyear
Auger/Bit Size and Type	(M) 17.75" Roller Bit	CH2M HILL Field Representative	Derek Miller
Auger/Bit Size and Type	(R) 4" Core / 6"; 9.25" Casing		
Borehole Diameter	(M) 18" / (R) 9.5"		
Remarks	Grout Mix Ratio: 1 X 92.6-lb cement, 6 gals water, ~1.4 lbs bentonite gel		



QA / QC	DRILLER:	T. Schmalfeldt / J. Asua	INSPECTOR:	Derek Miller
	DISCREPANCIES:	Attempted first borehole using improper stabilizer. Abandoned and redrilled 20 ft east.	CHECKED BY:	D. Nelson
			DATE:	10/20/2007