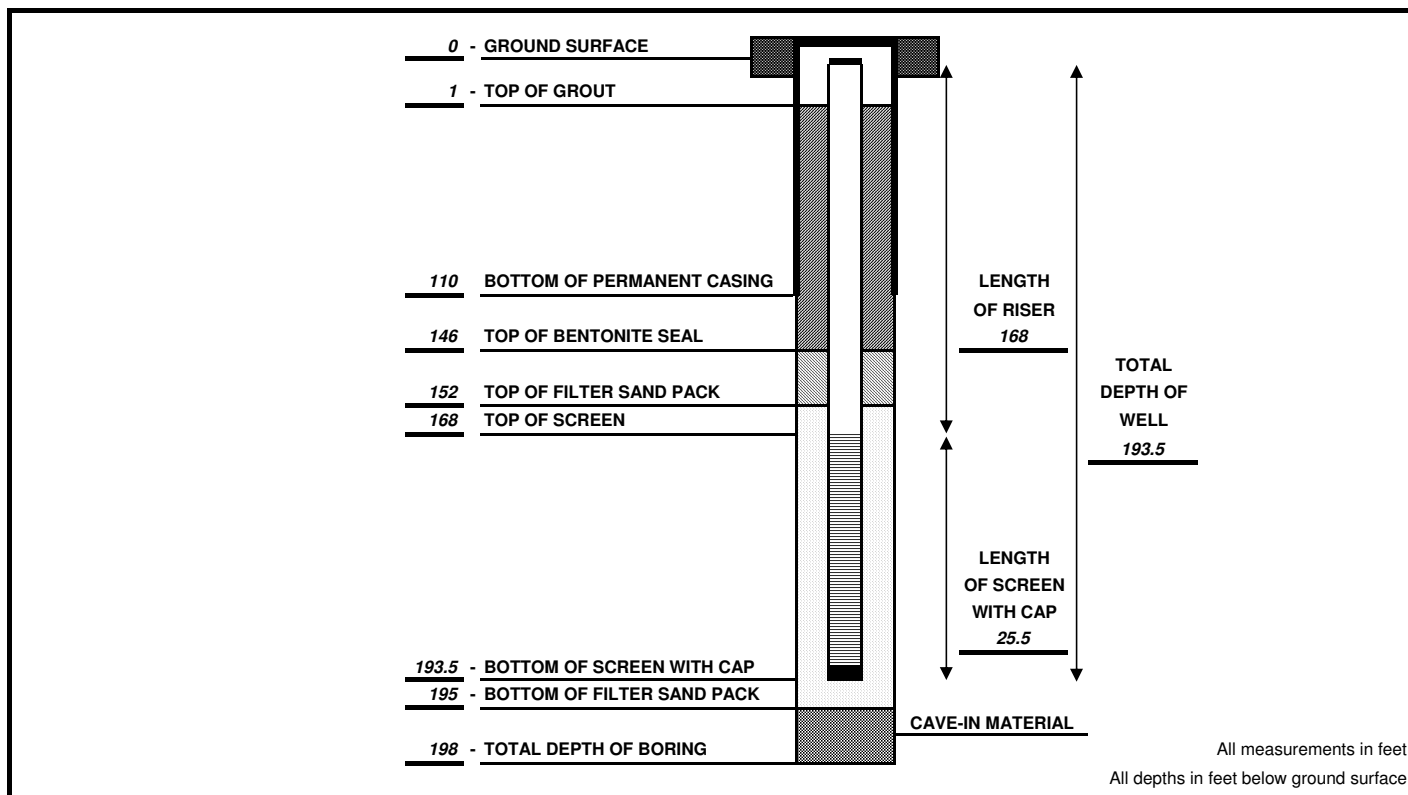


**CH2MHILL****Monitoring Well / Piezometer Completion Diagram***Flush Mount*

Project Name	Memphis Depot	Project Number	334469.SA.HS	Northing	280944.20
Project Location	Memphis, Tennessee	Start Date / Time	8/14/2007	Easting	801628.65
Well / Piezometer ID	MW-231	End Date / Time	8/31/2007		

Ground Surface Elevation	289.43	Static Water Level (ft btoc)	137.29
Top of Casing Elevation	289.18	Measured On	9/27/2007
Concrete Pad		Filter Pack Type	20 / 40
Dimensions	3 x 3 ft	Manufacturer	Southern Filter Media
Drain Tube	N	Amount Sand Used	22 X 50-lb bag(s)
Well Casing		Bentonite Type	3/8" Chips / Bentonite Powder (Gel)
Diameter	6"	Manufacturer	Wyo-Ben Enviroplug / DSI PURE-GEL
Material	Schedule 40 PVC	Amount Bentonite Below Screen	N/A
Screen		Amount Bentonite Used (Seal)	2 X 50-lb bag(s)
Diameter	6"	Cement Type	Portland Type I
Material	Schedule 40 PVC	Manufacturer	Ash Grove
Slot Size	0.01	Amount Cement Used (Grout)	20 X 92.6-lb bag(s)
Permanent Casing		Density of Grout	12.1 lbs/gal
Diameter	12"	Cement Type (Permanent Casing)	Portland Type I
Material	Welded Carbon Steel Casing	Manufacturer	Ash Grove
Drilling Technique	Mud Rotary (M) / Rotosonic (R)	Amount Cement Used (Grout)	35 X 92.6-lb bag(s)
Auger/Bit Size and Type	(M) 17.75" Roller Bit	Density of Grout	N/R (Driller did not have mud balance)
Auger/Bit Size and Type	(R) 4" Core / 6"; 9.25" Casing	Drilling Contractor	Boart Longyear
Borehole Diameter	(M) 18" / (R) 9.5"	CH2M HILL Field Representative	Derek Miller
Remarks	Grout Mix Ratio: 1 X 92.6-lb cement, 6 gals water, ~1.4 lbs bentonite gel		



QA / QC	DRILLER: T. Schmalfeldt / C. Herron	INSPECTOR: Derek Miller
	DISCREPANCIES:	CHECKED BY: D. Nelson DATE: 10/20/2007