

CH2MHILL

PROJECT NUMBER <b>113630.01.ZZ</b>	WELL NUMBER <b>PZ-1</b>	SHEET 1 OF 1
<b>WELL COMPLETION DIAGRAM</b>		

PROJECT DDMT October 1998 Well Installation

LOCATION Memphis, TN

DRILLING CONTRACTOR Boart-Longyear Little Falls, MN

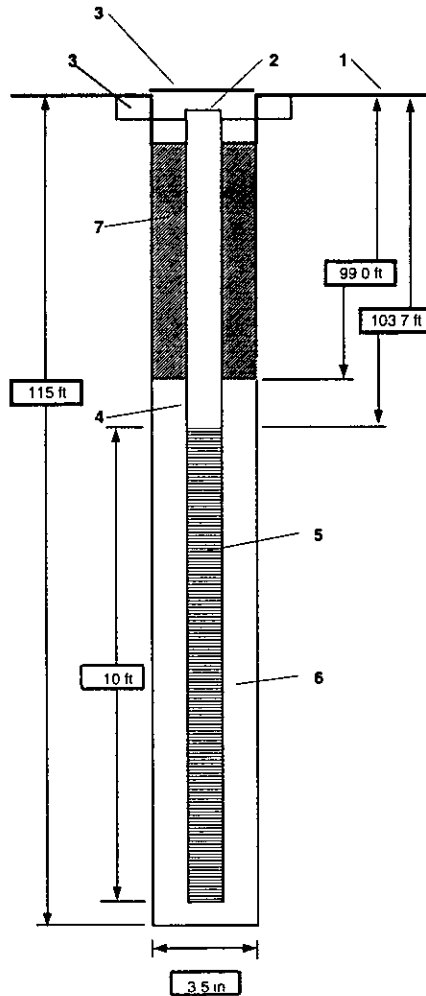
DRILLING METHOD AND EQUIPMENT USED Rotasonic, O D = 3.5 in., I D = 2.25 in

WATER LEVELS Not measured

START 10/27/98

END 10/27/98

LOGGER T Proper/ATL



1- Ground elevation at well	308.32 ft
2- Top of casing elevation	307.76 ft
3- Wellhead protection cover type	Flush mount vault
b) concrete pad dimensions	3 ft x 3 ft
4- Dia./type of well casing	3/4-inch PVC
5- Type/slot size of screen	0.010 slot PVC (pre-packed)
6- Type screen filter	Filter Sil™ -10/20 sand (+ formation sand)
a) Quantity used	(Boundary b/t formation sand and Filter Sil™ - 105 ft.) 25 lbs (1/2 bag)
7- Grout	
a) Grout mix used	Quik Grout™ (100 lbs), 48 gal water
b) Method of placement	Pumped
c) Vol. of well casing grout	Approx. 149 gal
Development method	Did not develop
Development time	Did not develop
Estimated purge volume	Did not purge (Driller estimated 100 gal of water added during PZ installation)
Comments	Mud weight = 9.4 lbs/gal (not measured)
	Total Depth (BTOC) = 114.2 ft
	PZ installed at HY-6 location

Note: Diagram not to scale