



PROJECT NUMBER  
148071.FI.LB

WELL NUMBER  
MW-80

SHEET 1 OF 1

## WELL COMPLETION DIAGRAM

PROJECT : Memphis Depot: Conceptual Model Investigation

LOCATION : Memphis, Tennessee

DRILLING CONTRACTOR : Tri-State Testing

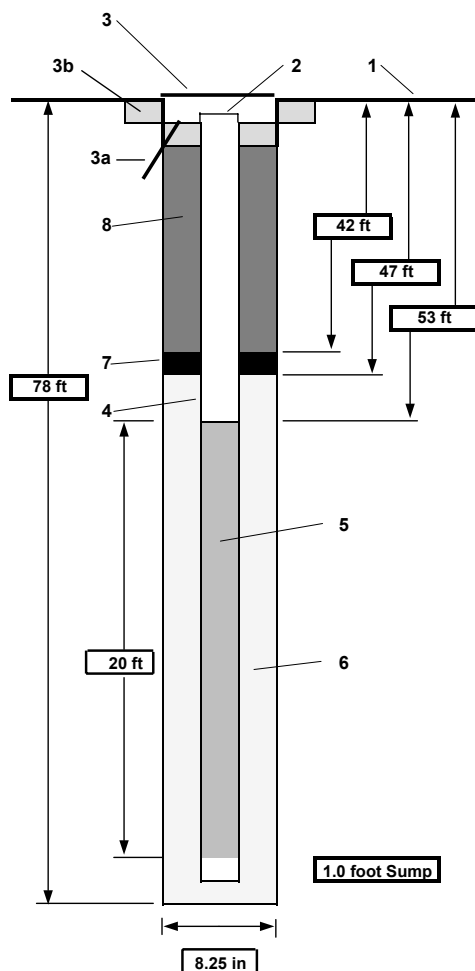
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Auger 4.25 inch ID

WATER LEVELS : 61.28 feet BTOC (01/2001)

START : 12/11/2000

END: 12/13/2000

LOGGER : Bryan Burkingstock



Note: Diagram not to scale.

1- Ground elevation at well	274 feet MSL
2- Top of casing elevation	273.81 feet MSL
3- Wellhead protection cover type	Flush mount vault
a) drain tube?	no
b) concrete pad dimensions	3 ft x 3 ft
4- Dia./type of well casing	2-inch PVC
5- Type/slot size of screen	0.010 slot PVC
6- Type screen filter	#2 filter sand
a) Quantity used	17 bags
7- Type of seal	Bentonite chips
a) Quantity used	3 buckets
8- Grout	
a) Grout mix used	90% Portland Grout, 10% bentonite powder
b) Method of placement	Tremie Method
c) Vol. of well casing grout	
Development method	Surge & pump with an electrical, centrifugal, in-line pump.
Development time	4 hour
Estimated purge volume	220 gallons
Comments	Grout weight = lbs/gal
Total Depth (BTOC) =	74 feet
Final field parameters collected during well development (12/13/00):	
pH =	
conductivity =	mS/cm
temperature =	°C