



PROJECT NUMBER <b>147543.FI.01</b>	WELL NUMBER <b>MW-87</b>	SHEET 1 OF 1
<b>WELL COMPLETION DIAGRAM</b>		

PROJECT : Memphis Depot: Conceptual Model Investigation

LOCATION : Memphis, Tennessee

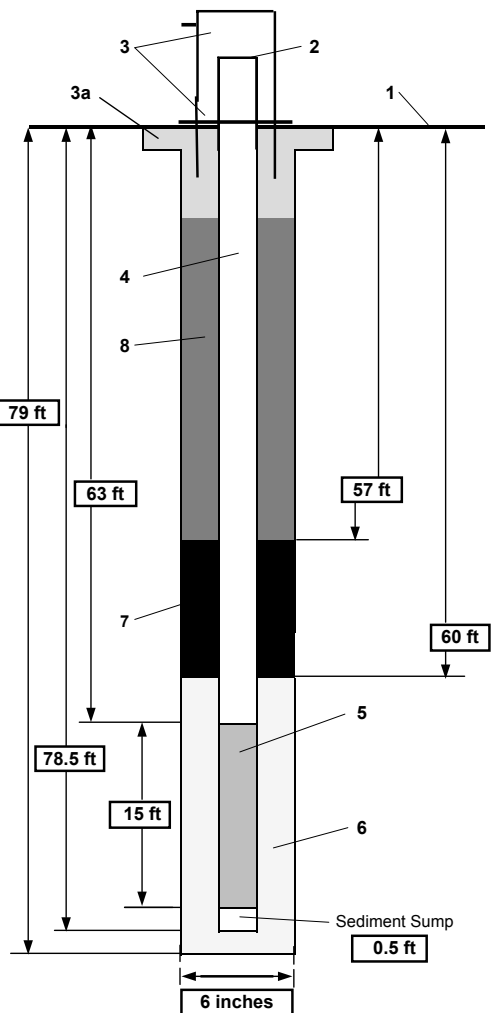
DRILLING CONTRACTOR : Boart Longyear

DRILLING METHOD AND EQUIPMENT USED : Rotosonic (4 and 6 inch casing)

WATER LEVELS : 69.46 feet BTOC (01/2001) START : 10/17/2000

END: 10/17/2000

LOGGER : S. Mellon



NOTE: Diagram is not to scale.

1- Ground elevation at well	292.8 feet MSL
2- Top of casing elevation	294.93 feet MSL
3- Wellhead protection cover type	Metal Locking Protective Casing
b) concrete pad dimensions	3 ft x 3 ft
4- Diameter/type of well casing	2-inch PVC
5- Type/slot size of screen	0.010 slot PVC
6- Type screen filter	20 - 30 filter sand
a) Quantity used	7 bags
7- Type of seal	Bentonite Chips
a) Quantity used	2/3 of 5 gallon bucket
8- Grout	
a) Grout mix used	90% Portland Grout, 10% bentonite powder
b) Method of placement	Tremie Method
c) Vol. of well casing grout	gallons
Development method	Surge & pump with an electrical, centrifugal, in-line pump.
Development time	4 hour
Estimated purge volume	220 gallons

Comments:

Total Well Depth (BTOC) = 78.5 feet

Final Well Development Field Parameters:

pH =	
Conductivity =	ms/cm
Temperature =	°C
Turbidity =	NTU