

PROJECT NUMBER

147543.FI.01

WELL NUMBER

MW-91

SHEET 1 OF 1

## **WELL COMPLETION DIAGRAM**

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: 66.00 feet BTOC (01/2001) START: 10/23/2000 END: 10/23/2000 LOGGER: S. Mellon 2 3a 1- Ground elevation at well 289.3 feet MSL 2- Top of casing elevation 291.99 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 70.5 ft 6- Type screen filter 20 - 30 filter sand a) Quantity used 6 bags 50 ft 55 ft 7- Type of seal Bentonite Chips a) Quantity used 2 bags 8- Grout a) Grout mix used 90% Portland Grout, 10% bentonite powder 52 ft 6 bags of cement b) Method of placement Tremie Method c) Vol. of well casing grout Development method Surge & pump with an electrical, centrifugal, 70.5 ft in-line pump. Development time 4 hour 15 ft Estimated purge volume 220 gallons Comments: 70.5 feet Total Well Depth (BTOC) = Final Well Development Field Parameters: Sediment Sump pH = 0.5 ft Conductivity = ms/cm Temperature = 6 inches Turbidity = NTU NOTE: Diagram is not to scale.

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