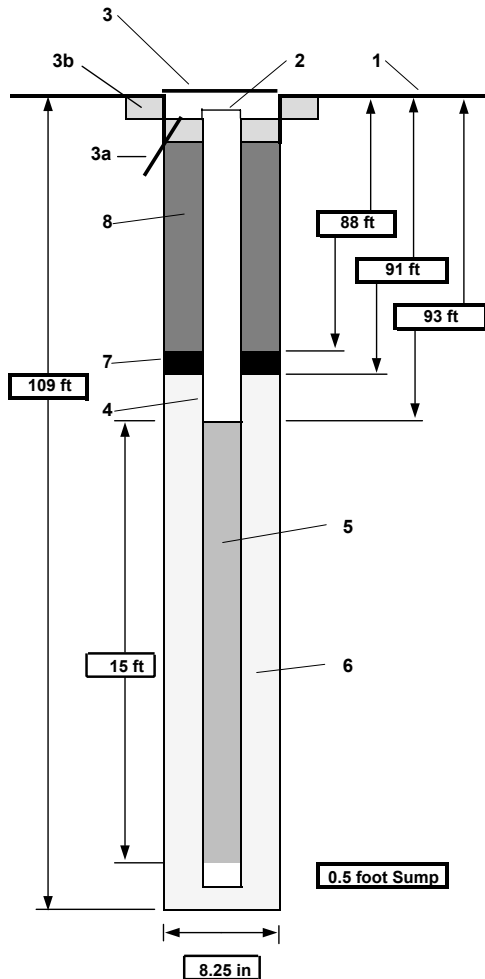




<b>PROJECT NUMBER</b> <b>160492.SA.03</b>	<b>WELL NUMBER</b> <b>MW-92</b>
SHEET 1 OF 1	
<b>WELL COMPLETION DIAGRAM</b>	

PROJECT : Long Term Operational Areas - Memphis Depot	LOCATION : Memphis, Tennessee
DRILLING CONTRACTOR : Tri-State Testing Services, Inc.	
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Auger 4.25 inch ID with CME Sampler	
WATER LEVELS : 96.75 feet BTOC (11/2001)	START : 09/24/2001
END: 09/24/2001	LOGGER : Jay Parker (Jacobs)



Note: Diagram not to scale.

1- Ground elevation at well	304.78 feet MSL
2- Top of casing elevation	304.41 feet MSL
3- Wellhead protection cover type	Flush mount vault
a) drain tube?	no
b) concrete pad dimensions	3 ft x 3 ft x 6 in
4- Dia./type of well casing	2-inch Sch. 40 PVC
5- Type/slot size of screen	2-inch 0.010 slotted PVC
6- Type screen filter	#2 filter sand
a) Quantity used	bags
7- Type of seal	Bentonite chips
a) Quantity used	bags
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	3 hour
Estimated purge volume	45 gallons
Comments	Total Depth (BGS) = 108.5 feet Completed based on LTOA workplan (2001) specifications.
Final field parameters collected during well development (10/31/2001):	
	pH = 6.34
	conductivity = 0.170 mS/cm
	temperature = 24.58 °C
	Dissolved Oxygen = 6.34 mg/l
	Turbidity = 7.4 NTU