



PROJECT NUMBER 160492.SA.03	WELL NUMBER MW-108	SHEET 1 OF 1
WELL COMPLETION DIAGRAM		

PROJECT : Long Term Operational Areas - Memphis Depot

LOCATION : Memphis, Tennessee

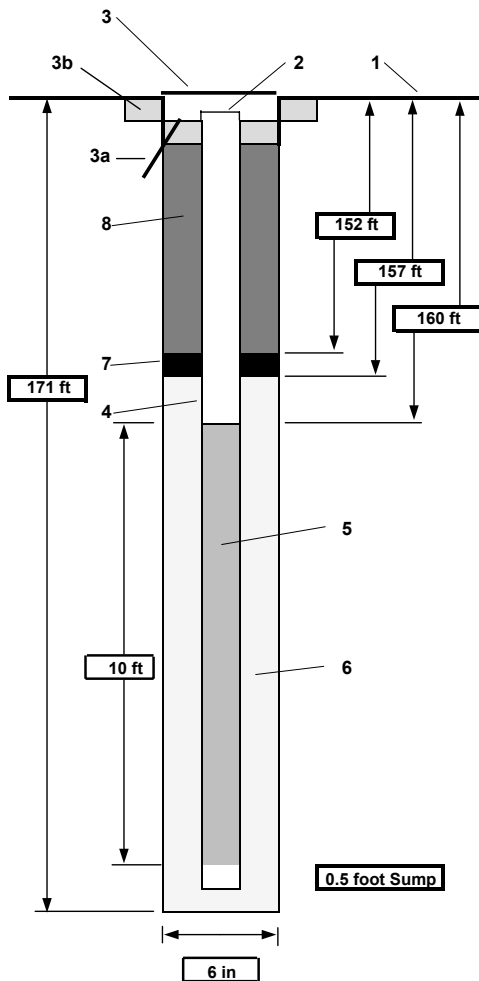
DRILLING CONTRACTOR : Prosonic Corporation

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

WATER LEVELS : 113.21 feet BTOC (11/2001) START : 10/22/2001

END: 10/23/2001

LOGGER : Jay Parker (Jacobs)



Note: Diagram not to scale.

1- Ground elevation at well	303.25 feet MSL
2- Top of casing elevation	303.07 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	54 gallons
Comments	Total Depth (BGS) = 187 feet
	Completed based on decision by BCT members.
Final field parameters collected during well development (10/29/2001):	
	pH = 6.92
	conductivity = 0.216 mS/cm
	temperature = 19.96 °C
	Dissolved Oxygen = 8.24 mg/l
	Turbidity = 33.2 NTU