



<b>PROJECT NUMBER</b> 177556.SA.FE	<b>WELL NUMBER</b> MW-180
SHEET 1 OF 1	
<b>WELL COMPLETION DIAGRAM</b>	

PROJECT : DDMT 2005 Well Installation LOCATION : Memphis Depot, Dunn Field

DRILLING CONTRACTOR Prosonic Corp

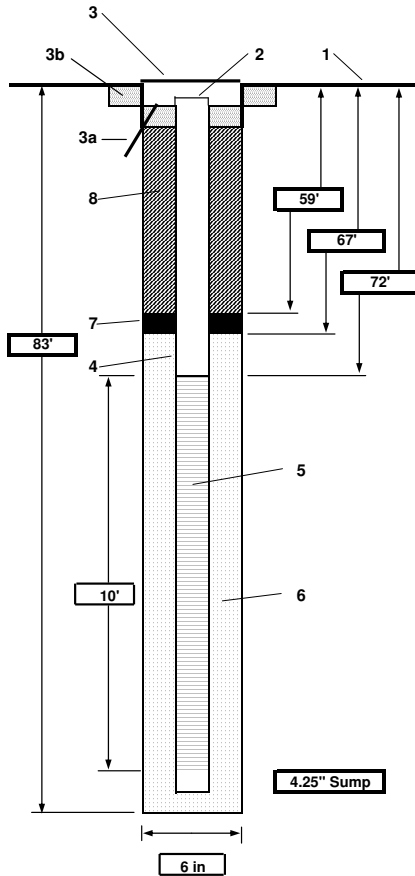
DRILLING METHOD AND EQUIPMENT USED Rotasonic rig (4 inch sample casing / 6 inch outer casing)

WATER LEVELS :

START : 10/20/2005

END: 10/20/2005

LOGGER : Mike Karafa



1- Ground elevation at well	296.39 feet MSL
2- Top of casing elevation	296.14 feet MSL
3- Wellhead protection cover type	Flush-mount wellhead pad
a) drain tube?	No
b) concrete pad dimensions	3 by 3 feet
4- Dia./type of well casing	2"ID Sch 40 PVC
5- Type/slot size of screen	2" ID Sch40 PVC 0.010 slotted screen
6- Type screen filter	Unimin FilterSil 20/40 #00N
a) Quantity used	6 50lbs bags
7- Type of seal	Pure Gold Medium Bentonite Chips
a) Quantity used	Unspecified bags
8- Grout	
a) Grout mix used	Loanstar Type I/II Portland Cement and bentonite powder 25.1 lbs
b) Method of placement	Tremmie Method
c) Vol. of well casing grout	
Development method	Grundfos surge and develop with YSI
Development time	2.58 hour
Estimated purge volume	630 gallons
Comments	Depth To Water (DTW) = 70.95 feet
Final field parameters collected during well development (11/8/05):	
pH =	5.42
conductivity =	0.268 mS/cm
temperature =	18.21 °C
Dissolved Oxygen =	6.1 mg/l
Turbidity =	1.9 NTU

**Note: Diagram not to scale.**

Depth reached 91', then backfilled with bentonite to 83'.