PROJECT NUMBER	WELL NUMBER	
177556.SA.FE	MW-181	SHEET 1 OF 1

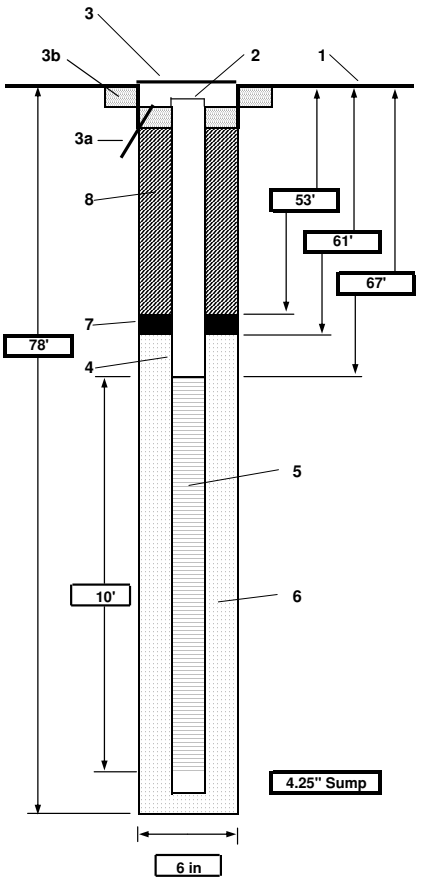
WELL COMPLETION DIAGRAM

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 : 10/21/2005 — END: 10/21/2005 — LOGGER : Derek Miller/ORO



Note: Diagram not to scale.
Depth reached 96', then backfilled with (4.5 x 50lbs) bentonite to 78'.

1- Ground elevation at well	291.51 feet MSL
2- Top of casing elevation	291.51 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 x 50lbs bags
7- Type of seal	Pure Gold Medium Bentonite Chips
a) Quantity used	1 x 50lb bags
8- Grout	
a) Grout mix used	Loanstar Type I/II Portland Cement and bentonite powder 4 x 94lbs
b) Method of placement	Tremmie Method
c) Vol. of well casing grout	
Development method	Grundfos surge and develop with YSI
Development time	2.92 hour
Estimated purge volume	715 gallons
Comments	Depth To Water (DTW) = 65.3 feet

Final field parameters collected during well development (11/8/05):

pH =	5.85
conductivity =	0.386 mS/cm
temperature =	17.93 °C
Dissolved Oxygen =	5.95 mg/l
Turbidity =	4.8 NTU