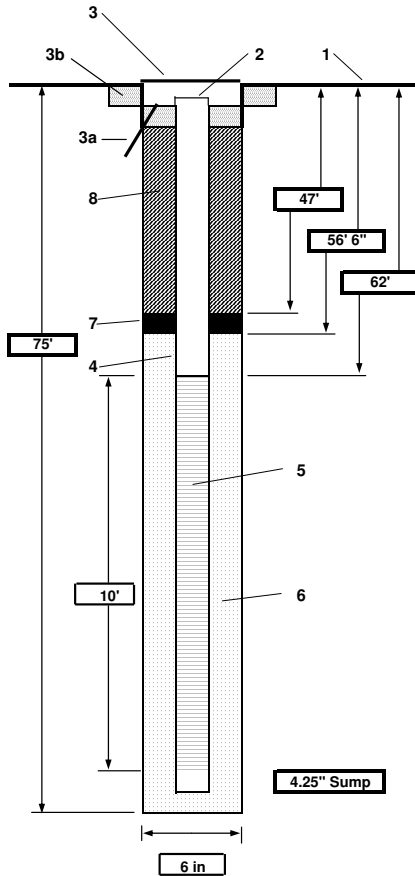




PROJECT NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;">177556.SA.FE</div>	WELL NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;">MW-173</div>
SHEET 1 OF 1	
WELL COMPLETION DIAGRAM	

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 : 10/10/2005	END: 10/11/2005
LOGGER : Mike Karafa		



1- Ground elevation at well	296.52 feet MSL
2- Top of casing elevation	296.30 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	8.5 50lbs bags
7- Type of seal	Pure Gold Medium Bentonite Chips
a) Quantity used	2 bags
8- Grout	
a) Grout mix used	Loanstar Type I/II Portland Cement and bentonite powder 26.6 lbs
b) Method of placement	Tremmie Method
c) Vol. of well casing grout	
Development method	Purge and develop with YSI
Development time	0.83 hour
Estimated purge volume	n/a gallons
Comments	Depth To Water (DTW) = 69.2 feet
Final field parameters collected during well development (11/11/05):	
pH =	5.55
conductivity =	0.885 mS/cm
temperature =	19.84 °C
Dissolved Oxygen =	0.52 mg/l
Turbidity =	8.1 NTU

Note: Diagram not to scale.
 Depth reached 96', then backfilled with bentonite to 75'.
 Shallow water column caused difficulty in development of well.
 While removing casing, well rose 2'.