

PROJECT NUMBER

113630.01.ZZ WELL NUMBER

MW-62 SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT DDMT October 1998 Well Installation LOCATION Memphis, TN DRILLING CONTRACTOR Boart-Longyear, Little Fails, MN DRILLING METHOD AND EQUIPMENT USED Rotasonic, 4 in x 6 in WATER LEVELS 93 99 ft (11/12/98) START 10/14/98 END 10/14/98 LOGGER T Proper/ATL 1- Ground elevation at well 293 98 ft 2- Top of casing elevation 293 60 ft 3- Wellhead protection cover type Flush mount vault b) concrete pad dimensions 3 ft x 3 ft 4- Dia /type of well casing 2-inch PVC 82 6 ft 86 ft 5- Type/slot size of screen 0 010 slot PVC 97 5 ft Filter SilTM -10/20 sand 6- Type screen filter a) Quantity used 250 lbs (5 bags) 7- Type of seal Shur Pel™ bentonite pellets (1/4 in) (Pellets used to seal confining unit if penetrated) a) Quantity used 70 lbs (15 ft) 8- Grout a) Grout mix used Quik Grout™ (100 lbs), 48 gal water b) Method of placement Pumped c) Vol. of well casing grout Approx 125 gai _ 10 ft Development method Bailed with disposable bailer (slow recovery) Development time 20 minutes (over the course of 4 days) Estimated purge volume 1 8 gal Mud weight = 9 4 lbs/gal (not measured) Total Depth (BTOC) = 97 13 ft Final field parameters collected during well development (10/25/98) pH = 7 90 conductivity = 0 185 mS/cm _4 0 in temperature = 18 8°C Note Diagram not to scale