



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-215A

TOTAL DEPTH: 170 ft.

PROJECT INFORMATION

PROJECT: Phase 2 Wells and April LTM Report

PROJECT NO.: 3202-019

SITE LOCATION: MI

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Anstaett

BOREHOLE STARTED: 3/7/2007 14:30

BOREHOLE FINISHED: 3/8/2007 14:45

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 304.86 (ft, msl)

WATER DEPTH/ DATE: 108.25-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

NOTES:

| Depth | Soil Symbol | Soil Description | Well Completion | Well Description |
|-------|-------------|---|-----------------|------------------|
| | | Asphalt Asphalt and gravel | | Grouted Annulus |
| | | CL Silty clay - brown 7.5YR (4/3) medium plasticity, moist. | | |
| 10 | | | | |
| | | CL Clay - brown 7.5YR (4/3) with some sand, fine to medium grained, medium plasticity, moist. | | |
| 20 | | | | Grouted Annulus |
| | | SC Clayey sand - red 2.5YR (4/8) fine to medium grained, grey mottling, moist. | | |
| | | CL Sandy clay - red 10R (4/6) fine grained, low plasticity, grey mottling, moist. | | |
| 30 | | | | |

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| | | | | | |
| | | SC Clayey sand - reddish yellow 5YR (5/8) fine to medium grained, moist. | | | |
| 40 | | SC Clayey sand - reddish yellow 5YR (5/8) fine to medium grained, grey mottling, moist. | | | |
| 50 | | No Recovery | | | |
| 60 | | SW Sand - light olive brown 2.5Y (5/4) with some gravel, fine to medium grained sand, sub-rounded gravel, well graded, dry. | | | |

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| | | | | |
| 70 | | SW Sand - yellowish brown 10YR (5/8) with some gravel, fine to medium grained sand, sub-rounded gravel, well graded, dry. | | |
| | | ML Silt or sandstone - white 5Y (8/1), rock with little gravel, dry. | | |
| | | SW Sand - yellowish brown 10YR (5/8) with some gravel, fine to coarse grained sand, sub-rounded gravel, well graded, moist. | | |
| 80 | | SW Sand - yellowish brown 10YR (5/8) with some gravel, medium to coarse grained sand, sub-rounded gravel, well graded, moist. | | |
| | | SC Clayey sand - pale red 10R (7/4) fine grained, poorly graded, moist. | | |
| 90 | | SC Clayey sand - pale red 10R (7/4) fine grained, moist. | | |

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| | | | 108.25- ft. | |
| | | SP Sand - reddish yellow 7.5YR (6/6) with little clay, fine grained, poorly graded, moist. | | |
| | | GM Silt with gravel - white 5Y (8/1), possible silt stone, dry. | | |
| 100 | | SW Gravely sand - reddish yellow 7.5 YR (6/8) medium to coarse grained sand, sub-angular to sub-rounded gravel, well graded, moist. | | |
| | | CL Sandy clay - yellow 10YR (7/6) trace gravel, low plasticity, fine grained sand, rounded gravel, red and gray mottling, wet. | | |
| 110 | | | | Bentonite Plug |
| | | CL Sandy clay - light gray 10YR (7/2) trace gravel, low plasticity, fine grained sand, sub-rounded gravel, wet. | | |
| 120 | | | | |

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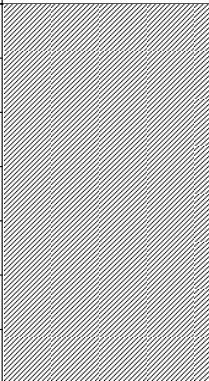
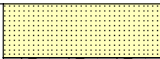
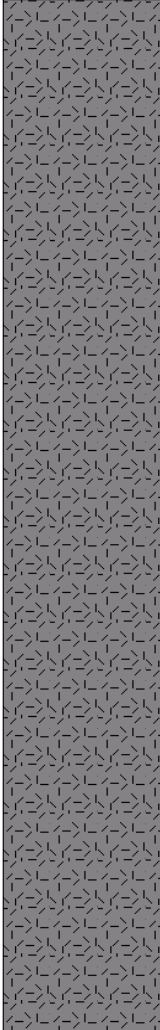
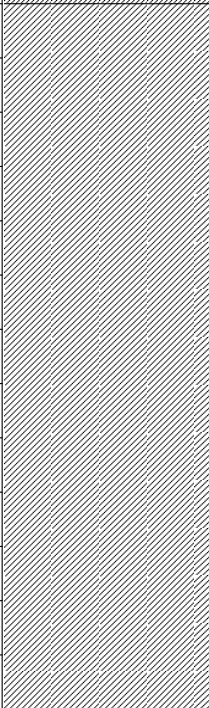
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| Depth | Soil Symbol | Soil Description | Well Completion | Well Description |
|-------|--|---|---|------------------|
| 160 |  | |   | |
| 170 |  | CL Silty clay - light gray 5Y (5/1) medium plasticity, moist. | | |
| 180 | | End of Log | | |

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