



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-218

TOTAL DEPTH: 126 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: 3/5/2007 09:23

BOREHOLE FINISHED: 3/6/2007 16:45

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

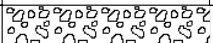
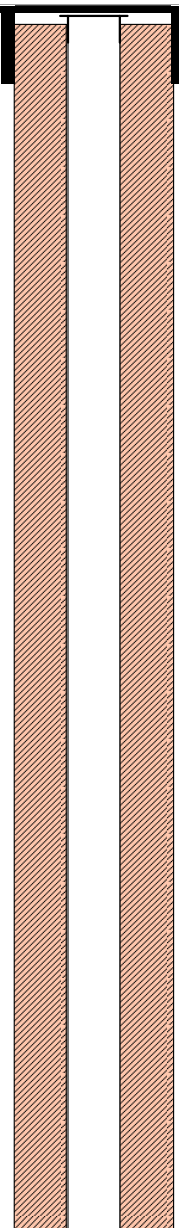





BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 306 (ft, msl)

WATER DEPTH/ DATE: 102.83-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 |
| |  | Clay - yellowish red 5YR (4/6) with trace gravel, hard plasticity, dry. | | |
| |  | Silty clay - strong brown 7.5YR (4/6) medium plasticity, moist. | | |
| 10 |  | Clay - strong brown 7.5YR (4/6) high plasticity, moist. | | |
| 20 |  | Clay - strong brown 10YR (6/6) with trace sand, high plasticity, moist. | | |
| 30 |  | Silty clay - light brown 10YR (7/6) medium plasticity, gray mottling, moist. | | |

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|-------|-------------|--|-----------------|------------------|
| | | SW Sand - yellowish red 5YR (4/6) with gravel and trace cobbles, fine to medium grained, sub-rounded gravel, well graded, dry. | | |
| | | SW Sand - reddish yellow 7.5YR (8/6) with gravel and trace cobbles, fine to medium grained, subrounded gravel, well graded, dry. | | |
| 70 | | SW Sand - reddish yellow 7.5YR (7/6) with gravel, fine to coarse grained sand, subangular to subrounded gravel, well graded, dry. | | |
| | | SW Sand - yellowish red 5YR (5/6) with gravel and trace cobbles, coarse grained, subangular to subrounded gravel, well graded, dry. | | |
| 80 | | SW Sand - reddish yellow 5YR (7/6) with gravel, fine to coarse grained, sub-angular to sub-rounded gravel, well graded, dry. | | |
| | | SW Sand - reddish yellow 7.5YR (6/6) with gravel, fine to medium grained, sub-rounded gravel, well graded, wet. | | |
| | | SW Sand - pinkish white 7.5YR (8/2) with gravel, medium to coarse grained sand, sub-angular to sub-rounded gravel, well graded, moist. | | |
| 90 | | | | Bentonite Plug |

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| Depth | Soil Symbol | Soil Description | Well Completion | Well Description |
|-------|-------------|--|--|-------------------|
| | | SP Sand - yellow 2.5Y (8/6) with trace gravel, fine to medium grained, sub-rounded gravel, poorly sorted, moist. | <p>102.83-ft</p> <p>Hole closed after 118-ft</p> | Bentonite Plug |
| | | CL Sandy clay - yellow 10YR (8/8) fine grained, medium plasticity, moist. | | Sand Pack |
| | | MH Silt - light bluish grey 5PB (8/1) with possible little mudstone, poorly graded, dry. | | |
| 100 | | SW Sand - brownish yellow 10YR (6/6) with gravel, fine to coarse grained, sub-angular to sub-rounded gravel, well graded, dry. | | |
| | | SW Sand - light grey 2.5Y (7/1) with gravel, fine grained, sub-rounded gravel, well graded, wet. | | Screened Interval |
| 110 | | SW Sand - red 2.5YR (5/6) with gravel, medium grained, sub-rounded gravel, well graded, wet. | | |
| | | CL Clay - grey 5YR (6/1) hard plasticity, moist. | | |
| | | CL Silty clay - dark grey 5YR (4/1) hard, moist. | | |
| 120 | | | | |

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