Casing Type/Diameter
Screen Type/Slot
Sand Pack/Type
Grout Type/Quantity
Drilled Depth to Water
Total Depth

PROJECT NAME

DATE COMPLETED
08-02-16

DRILLING METHOD
SONIC SDC450-14

DATE STARTED
08-01-16

LOCATION
Breaux Bridge, LA

CASING TYPE/DIAMETER
PVC / 2"

GROUND ELEVATION
17.59'

SCREEN TYPE/SLOT
PVC / 0.010"

TOP OF CASING
20.60'

SAND PACK/TYPE
20/40

LOGGED BY
Donald J. Watts

GROUT TYPE/QUANTITY
Portland Bentonite Slurry

REMARKS
Survey Coordinates: 30.25739437, -91.93902015

Boring No. _______ DB-5 / MW5 (80-90')

PROJECT NUMBER
1009.A34

LOCATION
Breaux Bridge, LA

DRILLING METHOD
SONIC SDC450-14

SAMPLING METHOD
4" X 10' cores

GROUND ELEVATION
17.59'

TOP OF CASING
20.60'

LOGGED BY
Donald J. Watts

REMARKS
Survey Coordinates: 30.25739437, -91.93902015

LITHOLOGIC DESCRIPTION

<table>
<thead>
<tr>
<th>PID (ppm)</th>
<th>SCREENED INTERVAL</th>
<th>SAMPLE TIME</th>
<th>SAMPLE ID.</th>
<th>DEPTH (Ft BLS)</th>
<th>U.S.C.S</th>
<th>GRAPHIC LOG</th>
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ML
Silt, moderate clay content, brown, low moisture, low density, iron

Clay, moderate silt content, tan and grey, low moisture, low to moderate density, iron, manganese

No Recovery

Clay, moderate silt content, tan and grey, low moisture, low to moderate density, iron, manganese

Clay, red brown and grey, low moisture, moderate density, iron

CL
Silt, moderate clay content, brown, moderate moisture, low density

Clay, moderate silt content, brown, low moisture, low to moderate density, iron

Clay, red brown and grey, low moisture, moderate density, iron

CL
Clay, moderate silt content, grey, low moisture, low to moderate density, iron

CL
Clay, moderate silt content, brown, low moisture, low to moderate density, iron

CL
Clay, moderate silt content, brown, low moisture, low to moderate density, iron

CL
Clay, red brown and grey, low moisture, moderate density, iron

Lithologic Description:
- Silt, moderate clay content, brown, low moisture, low density, iron
- Clay, moderate silt content, tan and grey, low moisture, low to moderate density, iron, manganese
- No Recovery
- Clay, moderate silt content, tan and grey, low moisture, low to moderate density, iron, manganese
- Clay, red brown and grey, low moisture, moderate density, iron
- Clay, moderate silt content, grey, low moisture, low to moderate density, iron
- Clay, moderate silt content, brown, low moisture, low to moderate density, iron
- Clay, red brown and grey, low moisture, moderate density, iron

CONDUCTIVITY (mS/cm)

- ML: 1.23
- CL: 2.39, 2.32, 1.23, 1.06, 0.80, 0.95, 0.95, 1.12, 1.13

- Other intervals marked with X have conductivities that are not explicitly stated.

- Conductivity values vary across the depth intervals, indicating changes in electrical conductivity associated with different lithologies.

- The graph shows a vertical representation of the borehole, with depth increasing downward and interval boundaries marked.

- The legend in the graphic log identifies different lithologic units and their corresponding properties.

- The borehole data includes various engineering parameters such as depth, type of casing, and screen, as well as electrical characteristics like conductivity.

- The borehole is logged by Donald J. Watts, and the project and location information is provided for context.

- The conductivities are measured in mS/cm, which is a unit of electrical conductivity commonly used in geotechnical engineering to assess the permeability and potential water content of the borehole interval.

- The borehole data is essential for understanding the subsurface conditions, which can impact construction, environmental assessments, and infrastructure development.

- The borehole is drilled to a total depth of 90 Feet BLS, with the top of the casing at 20.60 Feet BLS.

- The project was completed on 08-02-16, and the site is located in Breaux Bridge, LA.
### BORING No.
**DB-5 / MW5 (80-90')**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Date Completed</th>
<th>Date Started</th>
<th>Casing Type/Diameter</th>
<th>Screen Type/Slot</th>
<th>Sand Pack/Type</th>
<th>Grout Type/Quantity</th>
<th>Drilled Depth to Water</th>
<th>Total Depth</th>
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<td>Harold J. Guidry, et al v. BP America Production Company, et al</td>
<td>08-02-16</td>
<td>08-01-16</td>
<td>PVC / 2&quot;</td>
<td>PVC / 0.010&quot;</td>
<td>20/40</td>
<td>Portland Bentonite Slurry</td>
<td>30 Feet BLS</td>
<td>90 Feet BLS</td>
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</table>

**Drilling Method:** SONIC SDC450-14

**Ground Elevation:** 17.59'

**Top of Casing:** 20.60'

**Logged by:** Donald J. Watts

**Remarks:** Survey Coordinates: 30.25739437, -91.93902015

#### Lithologic Description

<table>
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<tr>
<th>PID (ppm)</th>
<th>Screened Interval</th>
<th>Sample ID.</th>
<th>Extent</th>
<th>Depth (Ft BLS)</th>
<th>U.S.C.S</th>
<th>Graphic Log</th>
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- **Lithologic Description**
  - **24-26’ Geotech:**
    - 24-26’ Geotech
  - **CL:** Clay, red brown and grey, low moisture, moderate density, iron
  - **SM:** Sand, moderate silt content, brown and grey, saturated, low density, iron
  - **Sand, fine grained, moderate silt content, brownish grey to grey, saturated, low density, gravel (up to .5" in diameter), clay lens (36.8-36.9’) silt lens (37.7-38.2’):** Sand, fine grained, moderate silt content, brownish grey to grey, saturated, low density, gravel (up to .5" in diameter), clay lens (36.8-36.9’) silt lens (37.7-38.2’)
  - **Sand, fine grained, moderate silt content, brownish grey, saturated, low density, clay lenses (46.0-46.8’, 46.9-47.3’):** Sand, fine grained, moderate silt content, brownish grey, saturated, low density, clay lenses (46.0-46.8’, 46.9-47.3’)

- **Conductivity (mS/cm):**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0
  - 1.70
  - 1.09
  - 0.47
  - 0.22
  - 0.34
  - 0.55
  - 0.34
  - 0.35
  - 0.41
  - 0.20
  - 1.55
  - 0.51

- **Hydro-Environmental Technology, Inc.**
- Environmental Consultants
- 91 Apollo Road
- Scott, Louisiana 70583
- (337) 261-1963  Fax (337) 261-1953
## BORING No. DB-5 / MW5 (80-90')

### PROJECT NAME
Harold J. Guidry, et al v. BP America
Production Company, et al

### DATE COMPLETED
08-02-16

### DATE STARTED
08-01-16

### DRILLING METHOD
SONIC SDC450-14

### CASING TYPE/DIAMETER
PVC / 2"

### SCREEN TYPE/SLOT
PVC / 0.010"

### SAND PACK/TYPE
20/40

### GROUT TYPE/QUANTITY
Portland Bentonite Slurry

### TOTAL DEPTH
90 Feet BLS

### TO WATER
30 Feet BLS

### GROUND ELEVATION
20.60'

### DRILLED DEPTH TO WATER
30 Feet BLS

### LOGGED BY
Donald J. Watts

### REMARKS
Survey Coordinates: 30.25739437, -91.93902015

<table>
<thead>
<tr>
<th>PID (ppm)</th>
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<th>SAMPLE TIME</th>
<th>EXTENT F (T BLS)</th>
<th>U.S.C.S</th>
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### LITHOLOGIC DESCRIPTION

- **Sand, fine grained, moderate silt content, brownish grey, saturated, low density, greenish grey clay lenses (52.5-52.7', 52.9-53.0')**
- **Sand, fine grained, moderate silt content, brownish grey, saturated, low density, clay lenses (61.75-62.5', 64.6-64.75'), gravel**
- **Sand, fine grained, moderate silt content, brownish grey, saturated, low density, gravel (up to .5" in diameter)**
<table>
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<th>PID (ppm)</th>
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<th>EXTENT</th>
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**LITHOLOGIC DESCRIPTION**

Sand, fine grained, moderate silt content, brownish grey, saturated, low density, gravel (up to .5" in diameter)

**CONDUCTIVITY (mS/cm)**

- 0.36
- 0.15
- 0.14
- 0.20
- 0.27