

County: WARREN  
 Permit #: DS17  
 Driller: Phil Eastwing  
 Date drilling completed: 6-26-07

**State Well Report**  
**Part I - Driller's Log**  
 Mississippi Department of Environmental Quality  
 Office of Land and Water Resources  
 P.O. Box 10631  
 Jackson, MS 39289-0631  
 (601)961-5210  
 (601)354-6938 (fax)

**For Office Use Only:**  
 Aquifer: \_\_\_\_\_  
 Well #: M-37  
 L. S. Elevation: \_\_\_\_\_  
 E-log #: \_\_\_\_\_

*State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.*

Information on Well Owner <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name: <u>MS Bluffs Dev. Corp</u>	Latitude: <u>32° 18' 18"</u> Longitude: <u>92° 54' 27"</u>
Mailing Address: <u>860 Bramblewood Dr.</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, <u>Hand-held GPS</u> , Survey-grade GPS
<u>Castle Rock, CO</u> <u>80108</u>	<u>1/4</u> <u>1/4</u> Sec <u>5</u> Twn <u>15N</u> Rng <u>3E</u>
City State Zip Code	Distance Direction Nearest Town _____ Miles _____ of <u>Vicksburg</u>
Telephone No. <u>(303) 758-4133</u>	

**Well / Borehole Data**

Date drilling started: 6-20-07 Date drilling completed: 6-26-07 Hole depth: 120' Hole diameter: 4"

Location of the source of any surface water used for drilling: Fire hydrant (City)

Method of dosing and volume of Chlorine used in drilling and development: \_\_\_\_\_

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: \_\_\_\_\_

Name of organization running log(s): MS Office of Geology

Purpose of borehole (check one): Water Well \_\_\_\_\_ Geotechnical/Geological Investigation X Ground Source Heat Pump \_\_\_\_\_

Seismic Survey \_\_\_\_\_ Other (describe) \_\_\_\_\_

*If drilling is not related to water well construction, skip the remainder of this block*

Purpose of Well (check one): Home \_\_\_\_\_ Industrial \_\_\_\_\_ Public Supply \_\_\_\_\_ Irrigation \_\_\_\_\_ Fish Culture \_\_\_\_\_ Other: \_\_\_\_\_

If a flowing well, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: \_\_\_\_\_ feet above or below (circle one) land surface Date measured: \_\_\_\_\_

Method of Measurement (circle one) steel tape electric tape air line other: \_\_\_\_\_

Well depth: \_\_\_\_\_ Well grouted to a depth of \_\_\_\_\_ feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: \_\_\_\_\_ feet Casing diameter: \_\_\_\_\_ inches Type of casing: \_\_\_\_\_

Screen length: \_\_\_\_\_ feet Screen diameter: \_\_\_\_\_ inches Type of screen: \_\_\_\_\_

Screen slot size: \_\_\_\_\_ inches Setting depth: From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development

Other (describe): \_\_\_\_\_

Top of lap pipe or reduction in casing: \_\_\_\_\_ feet. *If telescoped or more than one screen, describe on next page*

Form: OLWR-SWR-1A

No pump

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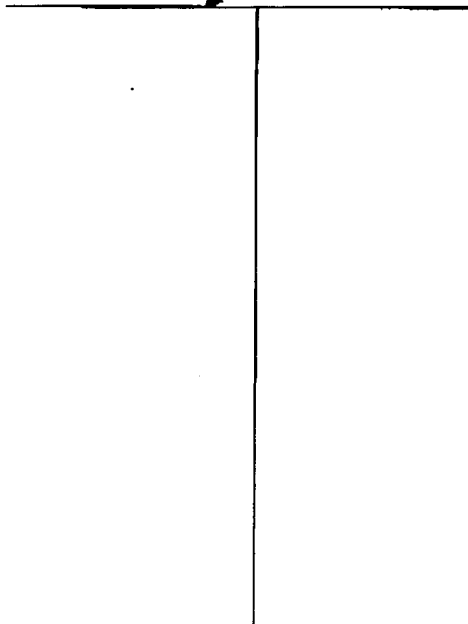
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M37

The sketch below only required for water wells.

If well telescopes, show depths on sketch.

Ground Level

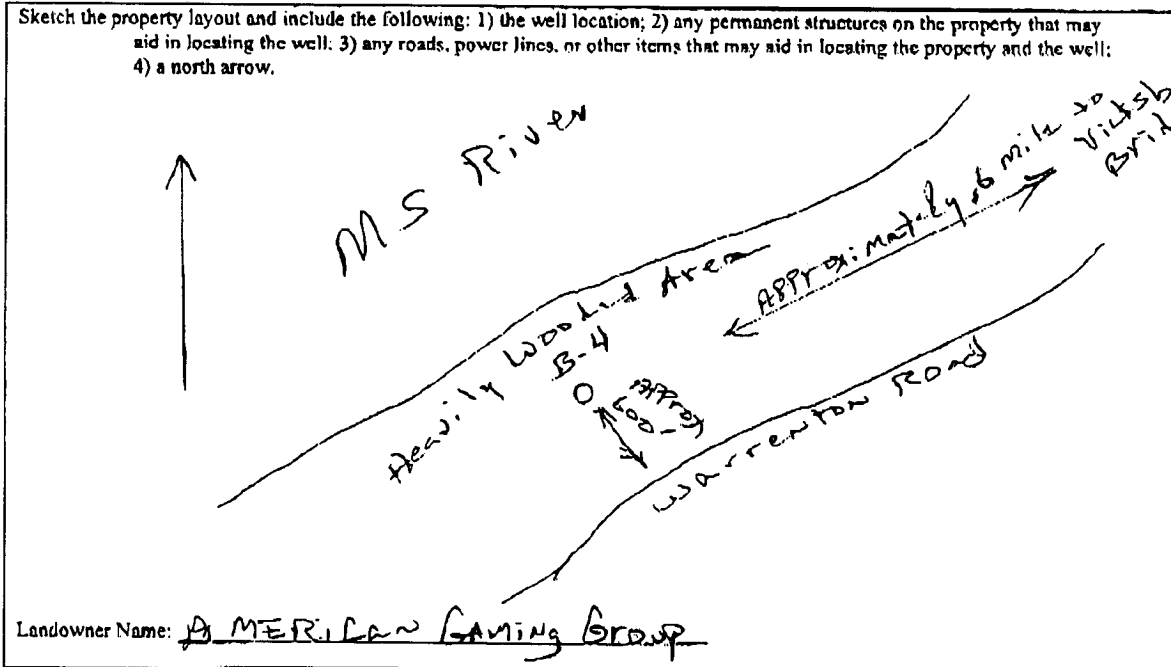


Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations.

Description of Formations Encountered	From (depth)	To (depth)
Tan Silt ML Loess	Ground Level	27.5
LR Clayey Silt ML Loess	27.5	38.0
Brown Silty F. Sand (Pebbles)	38.0	47.0
Green clayey Sand (Pebbles)	47.0	52.0
Gray F. silty Sand (Pebbles)	52.0	57.0
GRAY Clay CH	57.0	61.0
LIMESTONE	61.0	63.0
MARL	63.0	66.0
LIMESTONE	66.0	69.0
MARL	69.0	75.0
LIMESTONE	75.0	78.0
MARL	78.0	81.0
LIMESTONE	81.0	82.5
MARL	82.5	83.0
LIMESTONE	83.0	86.0
MARL	86.0	87.0
LIMESTONE	87.0	91.0
MARL	91.0	92.5
LIMESTONE	92.5	98.0
MARL (Mint Springs)	98.0	137.0
GRAY Clay CH (Forest Hill)	137.0	152.0

If more than one screen, show location of each on sketch

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.



Form: OLWR-SWR-1A

I certify that the well/borehole was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state laws.

LARRY A. Cooley 0517 4-17-08

Samy a Cooley

Print Name of Responsible Licensee and License No.

Date

Signature of Licensee

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