

County: Desoto
 Permit #: _____
 Driller: Jones W. Meser
 Date drilling completed: 7-4-06

State Well Report Part 1 - 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 #: J-127
 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 (Landowner if borehole is not for a water well) | Well or Borehole Location |
|--|---|
| Owner Name: <u>Michael Smith</u> | Latitude: <u>34.48.116</u> Longitude: <u>90.09.215</u> |
| Mailing Address: <u>9294 Barbic rd.</u> | Method of Lat/Long (circle one): Conventional Survey, <u>07</u> <u>13</u> |
| <u>Hernando MS 38632</u> | USGS quad: <u>Hand-held GPS</u> , Survey-grade GPS |
| City State Zip Code | <u>NW 1/4 NE 1/4 Sec 28 Twn 3S Rng 9W</u> |
| Telephone No. <u>601 337-3737</u> | Distance <u>1.8</u> Miles Direction <u>NW</u> of Nearest Town <u>Cub Lake</u> |

Well / Borehole Data

Date drilling started: 7-4-06 Date drilling completed: 7-4-06 Hole depth: 80 Hole diameter: 6 3/4

Location of the source of any surface water used for drilling: NA

Method of dosing and volume of Chlorine used in drilling and development: NA

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

Name of organization running log(s): NA

Purpose of borehole (check one): Water Well Geotechnical/Geological Investigation _____ 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 NA Other (describe) _____

Static Water Level: 40 feet above of below (circle one) land surface Date measured: 7-3-06

Method of Measurement (circle one) steel tape electric tape air line other: String Weight

Well depth: 80 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 60 feet Casing diameter: 4 inches Type of casing: pvc

Screen length: 20 feet Screen diameter: 4 inches Type of screen: pvc

Screen slot size: .010 inches Setting depth: From 60 feet to 80 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: NA feet. **If telescoped or more than one screen, describe on next page**

Form: OLWR-SWR-1A

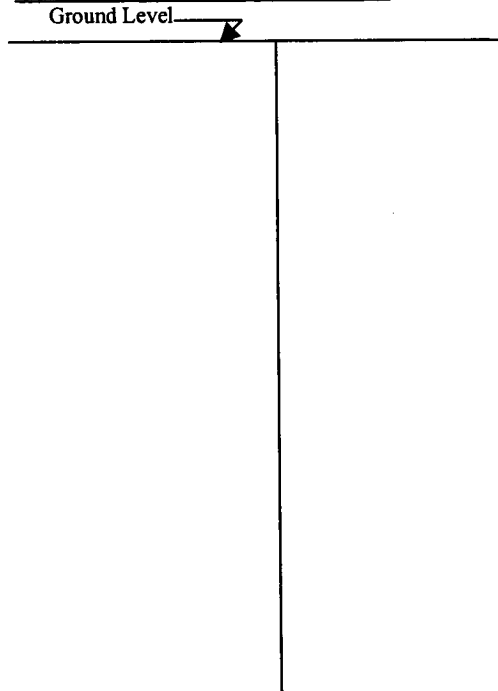
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J-127

The sketch below only required for water wells

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

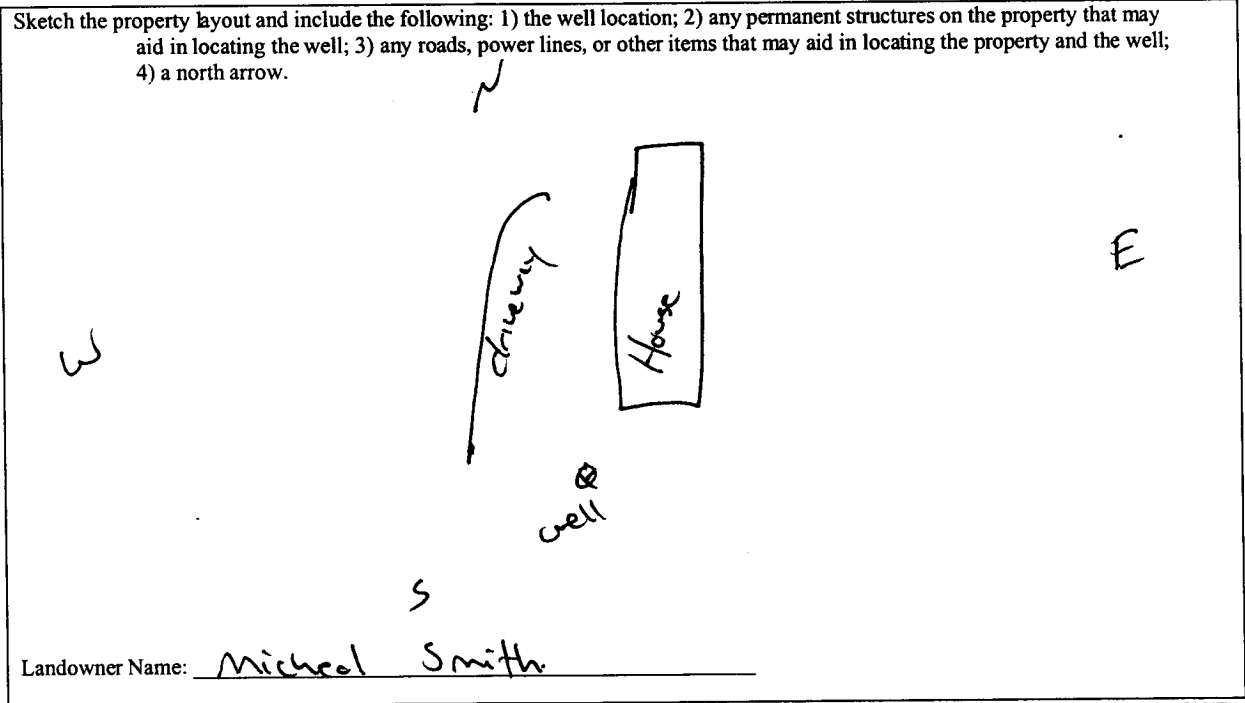
If well telescopes, show depths on sketch.



| Description of Formations Encountered | From (depth) | To (depth) |
|---------------------------------------|--------------|------------|
| clay dirt | Ground Level | 20 |
| gravel | 20 | 80 |
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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.



Landowner Name: Michael Smith

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.

Jones W. Masur 0-620
 Print Name of Responsible Licensee and License No.

7-23-06
 Date

Jones W. Masur
 Signature of Licensee

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STATE WELL REPORT

Part 2

Pump Installer's Completion Report
 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)

County: Desoto
 Permit #: _____
 Driller: Jones w. Masor
 Date completed: 7-5-06
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: J-127
 Elevation: _____

This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department at the above address within 30 days of well completion.

| Well Owner Information | Well Location |
|--|--|
| Owner Name: <u>Michael Smith</u> | Latitude: <u>34-48-116</u> Longitude: <u>90-09-215</u> |
| Mailing Address: <u>9294 Barbie rd</u> | Method of Lat/Long (check one): Conventional Survey <u>07</u> , USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ |
| <u>Hernando MS 38637</u> | <u>NW 1/4 NE 1/4 Sec 28 T 35 R 9W</u> |
| City State Zip Code | Distance Direction Nearest Town |
| Telephone No. <u>(901) 337-3737</u> | <u>1.18</u> Miles <u>NW</u> of <u>Cub Lake</u> |

| Pump Type Circle one | Power Type Circle one |
|--|--|
| Air Lift Jet <input type="checkbox"/> Submersible <input checked="" type="checkbox"/> | Diesel Engine Gasoline Engine Natural Gas |
| Bucket Piston <input type="checkbox"/> Turbine <input type="checkbox"/> | Electric Motor <input checked="" type="checkbox"/> Hand <input type="checkbox"/> Tractor PTO <input type="checkbox"/> |
| Centrifugal Rotary <input type="checkbox"/> Flowing Well <input type="checkbox"/> | Windmill Other (specify): _____ |
| Other (specify): _____ | Horse Power Rating of Motor: <u>314</u> |
| Date Pump Installed: <u>7-5-06</u> | Setting Depth: <u>60</u> feet |
| Rated Pump Capacity: <u>12</u> Gallons Per Minute | Number of Stages: <u>11</u> |

| Pump Test Data | Method of Measuring Water Level Circle one |
|--|---|
| Date Well Tested: <u>7-5-06</u> | Air Line Electric Measuring Line Steel Tape |
| Static Water Level (A): <u>40</u> Feet Below Land Surface | Other (specify): <u>String Weight</u> |
| Pumping Water Level (B): <u>NA</u> Feet Below Land Surface | For flowing well, measured shut in head: <u>NA</u> feet |
| Drawdown [(B) - (A)]: <u>NA</u> Feet Below Land Surface | Well yielded <u>12</u> GPM with a drawdown of |
| Test Pumping Rate: <u>12</u> Gallons Per Minute | <u>NA</u> feet after <u>24</u> hours of pumping |
| Duration of Pump Test (minimum 4 hours): <u>24</u> hours | |

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Jones w. Masor Print Name of Pump Installer and License No. (if applicable) Jones w. Masor Signature of Pump Installer

Form: OLWR-310-4B
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