

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)

County: Sharkey
Permit #: GW42583
Driller: Charles M. Nichol
Date drilling completed: 10-26-07

For Office Use Only:
Aquifer: _____
Well #: A-147
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>New Panther Farms</u>	Latitude: <u>33° 04.832' N</u> Longitude: <u>090° 51.586' W</u>
Mailing Address: <u>P.O. Box 163</u>	Method of Lat/Long (circle one): Conventional Survey, <u>23</u>
<u>Panther Burn MS 38765</u> City State Zip Code	USGS quad, <u>Hand-held GPS</u> , Survey-grade GPS
Telephone No. () _____	1/4 Sec <u>7</u> Twn <u>14</u> Rng <u>6</u>
	Distance Direction Nearest Town <u>1</u> Miles <u>NE</u> of <u>Panther Burn</u>

Well / Borehole Data

Date drilling started: 10-20-07 Date drilling completed: 10-26-07 Hole depth: 113 Hole diameter: 20

Location of the source of any surface water used for drilling: Deer Creek
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): _____

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 _____ Other (describe) _____

Static Water Level: 20 feet above or below (circle one) land surface Date measured: 10-26-07

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

Well depth: 113 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 73 feet Casing diameter: 10 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 10 inches Type of screen: .032

Screen slot size: .032 inches Setting depth: From 73 feet to 113 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

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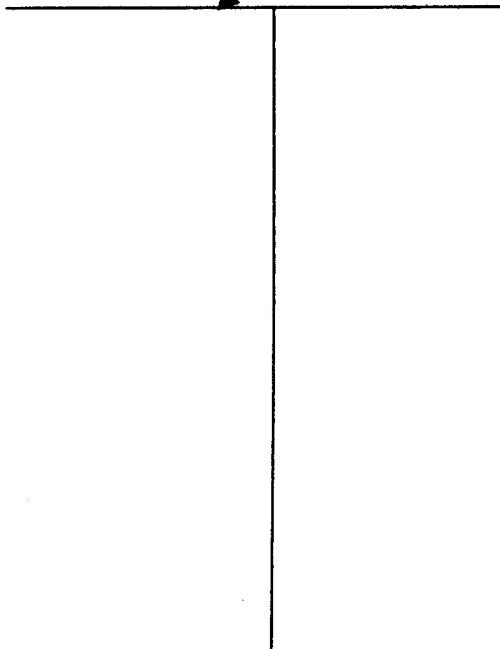
BY: OLWR

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

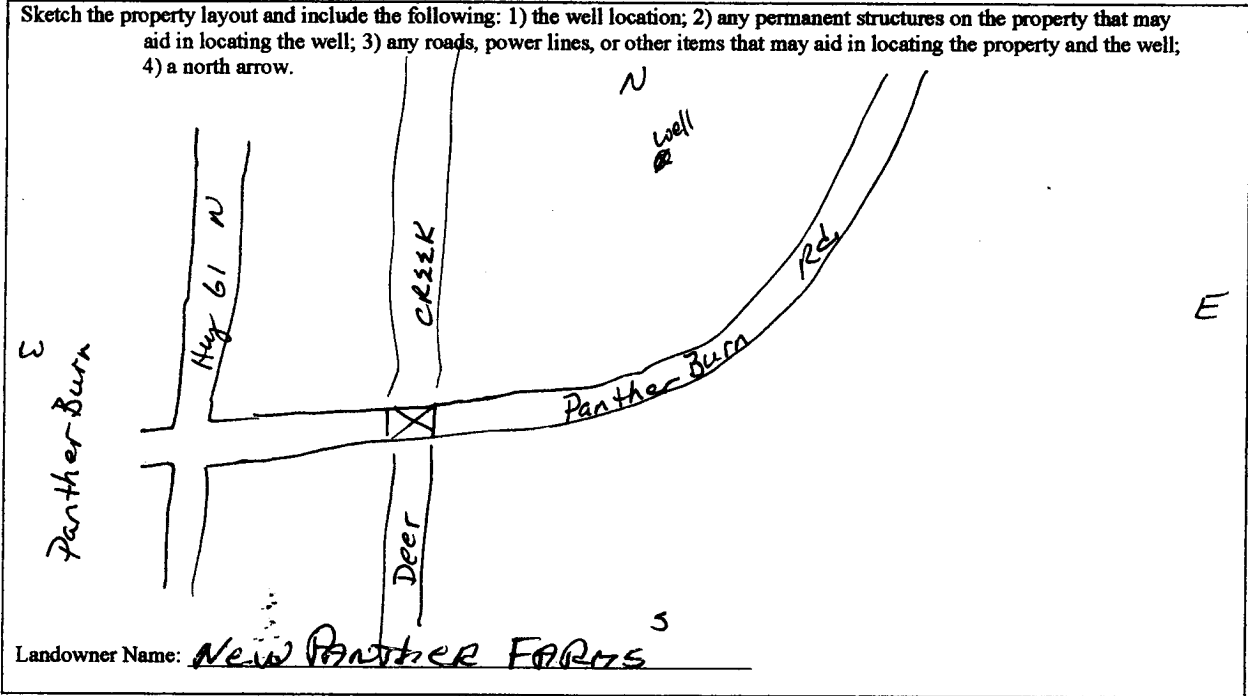
If well telescopes, show depths on sketch

Ground Level



Description of Formations Encountered	From (depth)	To (depth)
Clay	Ground Level	40
med to coarse sand	40	50
clay	50	55
Coarse sand + p-gravel	55	113

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



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.

Charles M. Nichols 0-0667 11-21-07
Print Name of Responsible Licensee and License No. Date

Charles M. Nichols
Signature of Licensee RECEIVED

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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: Sharkey
 Permit #: GW 42283
 Driller: Charles M. Nichols
 Date completed: 10-26-07
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: A-147
 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>New Panther Farms</u>	Latitude: <u>33° 04.832 N</u> Longitude: <u>090° 51.386 W</u>
Mailing Address: <u>P.O. Box 163</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Panther Burn</u> City State Zip Code	USGS quad _____ Hand-held GPS <input checked="" type="checkbox"/> Survey-grade GPS _____
Telephone No. () _____	_____ ¼ _____ ¼ Sec _____ T _____ R _____
	Distance _____ Direction _____ Nearest Town _____
	<u>1</u> Miles <u>NE</u> of <u>Panther Burn</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <u>Submersible</u>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	<u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>20</u>
Date Pump Installed: <u>10-26-07</u>	Setting Depth: <u>70</u> feet
Rated Pump Capacity: <u>1000</u> Gallons Per Minute	Number of Stages: <u>1</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: _____	Air Line Electric Measuring Line <u>Steel Tape</u>
Static Water Level (A): <u>20</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: _____ Feet Below Land Surface	Well yielded _____ GPM with a drawdown of _____
Test Pumping Rate: _____ Gallons Per Minute	_____ feet after _____ hours of pumping
Duration of Pump Test (minimum 4 hours): _____ hours	

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

Charles M. Nichols 0-0667
 Print Name of Pump Installer and License No. (if applicable)

Charles M. Nichols
 Signature of Pump Installer

Form: OLWR-SWR-1B

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BY: OLWR