

**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)

County: Lincoln
 Permit #: MS-CW-16411
 Driller: Donald Smith Company
 Date drilling completed: 5-1-08

For Office Use Only:

Aquifer: _____
 Well #: 60515
 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>City of Brookhaven</u>	Latitude: <u>31° 34' 34" N</u> Longitude: <u>90° 29' 06" W</u>
Mailing Address: <u>P.O. Box 560</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
<u>Brookhaven, MS 39602</u> City State Zip Code	<u>SW 1/4 NE 1/4 Sec 15 Twn 7N Rng 7E</u>
Telephone No. <u>(601) 933-1414</u>	Distance _____ Miles Direction _____ of Nearest Town <u>Brookhaven</u>

Well / Borehole Data

Date drilling started: 2-08 Date drilling completed: 3-10 Hole depth: 1200 Hole diameter: 17 3/4

Location of the source of any surface water used for drilling: City water supply
 Method of dosing and volume of Chlorine used in drilling and development: sodium hypochlorite pumped in

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____
 Name of organization running log(s): MDEQ

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 N/A Other (describe) N/A

Static Water Level: 398.02 feet above or below (circle one) land surface Date measured: 4-3-2009

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

Well depth: 1200 Well grouted to a depth of 1130 feet Type of grout (circle one) Neat Cement Bentonite Mix

Casing length: 1130 feet Casing diameter: 12 inches Type of casing: Black steel coated

Screen length: 65 feet Screen diameter: 8 inches Type of screen: Johnson stainless wire wrap

Screen slot size: .20 inches Setting depth: From 1135 feet to 1200 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: 1070 feet. *If telescoped or more than one screen, describe on next page*

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: Lincoln
 Permit #: MS-60-16411
 Driller: Donald Smith Company
 Date completed: 3-1-10
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: 60515
 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>City of Brookhaven</u>	Latitude: <u>31 34 34 W</u> Longitude: <u>90 29 06 W</u>
Mailing Address: <u>P.O. Box 560</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Brookhaven, MS 39602</u>	USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
City State Zip Code	<u>SW 1/4 NE 1/4 Sec 15 T 7N R 7E</u>
Telephone No. (<u>601</u>) <u>835-6133</u>	Distance _____ Direction _____ Nearest Town _____
	_____ Miles _____ of <u>Brookhaven</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet Submersible	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston <input checked="" type="radio"/> Turbine	<input checked="" type="radio"/> Electric Motor Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>150</u>
Date Pump Installed: <u>4-2-2009</u>	Setting Depth: <u>500</u> feet
Rated Pump Capacity: <u>750</u> Gallons Per Minute	Number of Stages: <u>14</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>4-3-2009</u>	<input checked="" type="radio"/> Air Line Electric Measuring Line Steel Tape
Static Water Level (A): <u>404</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>428</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>24</u> Feet Below Land Surface	Well yielded <u>24</u> GPM with a drawdown of
Test Pumping Rate: <u>783</u> Gallons Per Minute	<u>28</u> feet after <u>24</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

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

Ryan Herndon 0-700
 Print Name of Pump Installer and License No. (if applicable)


 Signature of Pump Installer

**Driller's Log
Brookhaven
RMS-50469**

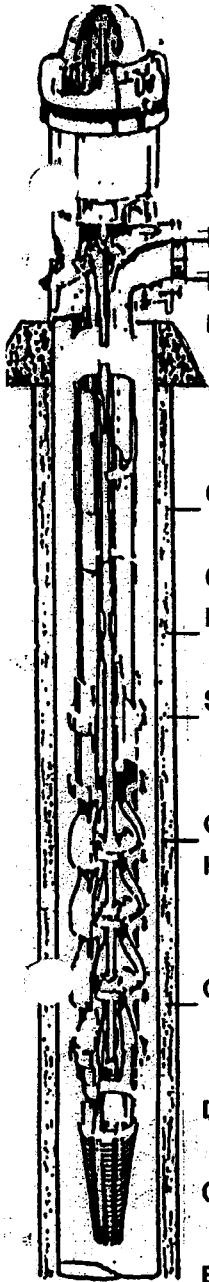
DEPTH	DESCRIPTION
0-30	red sand/sm. gravel/sandy clay
30-61	sandy/gravel (pea)
61-91	sandy gravel/white clay
91-122	white clay/sandy gravel streaks/white clay
122-152	white clay/sml. gravel & pink clay/gravel sandy
152-183	sandy pea gravel/brown & white to green clay
183-211	clay & sandy clay
211-242	sandy clay/clay breaks/sandy
242-274	sandy clay/clay breaks/sandy clay
274- 305	sandy clay/sandy
305-336	sandy clay
336-366	sandy clay/clay with lignite streak
366-397	sandy clay w/clay & lignite streaks
397-426	mostly clay lignite streaks
426-457	clay (grn., br., grey)
457-550	clay (green & br.) tough
550-582	clay tough/to clay
582-613	sandy clay to sandy
613-644	sandy
644-673	sandy clay/clay streaks
673-703	sandy w/clay break/sandy clay
703-735	sandy clay to clay
735-765	mostly clay/sandy clay
765-796	sandy clay/sandy break
796-825	clay/sandy clay/sand streaks
825-857	clay/sand streaks
857-887	clay/sandy/sand
887-906	mostly sandy/clay streaks
906-938	sandy clay & clay
938-979	sandy clay to clay break, lignite streaks
979-1010	clay to sandy clay & sandy
1010-1041	sandy clay/w/lignite & clay breaks
1041-1071	clay/sandy clay
1071-1102	sandy streaks/w ??????
1102-1132	sand streaks/sand
1132-1164	sand
1164-1195	sand
1195-1205	sandy to sandy clay

0519

Donald Smith Company, Inc.

NEW INSTALLATION

126 Interstate Drive - Richland, MS 39218 - Phone: (601) 932-4511



PROJECT Brookhaven DRILLER Craig Quinn JOB # RMS-50469
 LOCATION Lincoln County DATE COMPLETED 3-1-70 TEST HOLE 1215 FT.
 ENGINEER Sub for Landmark Structures

WELL DATA

Well Depth 1200 ft.

CASING Size 12 in. Material Black Prime A53 BW/Millwork
 Length 1130 ft. Coating Yes

CEMENT Grout Type Type 1 Neat No. of Sacks 740

LAP PIPE Size 8 in. Material Black Prime A53 BW/Millcerts
 Length 65 ft. Type of Seal Gravel Wall

SCREEN Size 8 in. Brand Johnston Well Screen
 Length 65 ft. Material Stainless Wire Wrap .20
 Backwash Valve Yes Material Bronze

GRAVEL PACK Cubic Yards 13.5 Size of Underreamed Hole in.

HYDRAULICS Static Water Level 398.02 ft. Pumping Water Level ft.
 Drawdown 28.26 ft. Specific Capacity 24.91 gal./ft.
 Total Dynamic Head 600 ft. Capacity 704 GPM

CHLORINATOR

PUMP DATA

DISCHARGE HEAD HH-50 Oil Lube Water Lube
 Solenoid 460 Volts Discharge 8 in.

COLUMN Size 8 in. Material .277 Wall Blacks Coating
 Length 2 ft. Oil Lube 2 1/2 in. Shaft in.

BOWL ASSEMBLY Make 10H75 Serial No. American Turbine Stages
 Diameter 10 in. Material Standard Construction Cast
 Suction Size 8 in. Length ft.
 Air Line Length 500 ft. Material Stainless Steel w/Rubber Coat

ELECTRIC MOTOR DATA

MOTOR Vertical Hollow Shaft 150 HP 1800 RPM 3
 Model / Make US Motors 460 Volts 60
 Base Diameter 16 in. Ratchet X Self releasing X
 Other

CONTROL PANEL DATA

STARTER Size & Make Unknown/By Others **HEATER** Size & Make
 Breaker Fuse
 Volts Phase Delta Service Open Closed

