

STATE WELL REPORT

Part 1

Driller's Log

Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 2309
 Jackson, MS 39225-2309
 (601)961-5210
 (601)360-0535 (fax)

For Office Use Only:

Well #: 5126
 Aquifer: _____
 E-Log #: _____

County: Wayne
 Permit #: 6W-17468
 Driller: A-1 Drilling Serv. Inc
 Date drilling completed: 10-20-2020

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.

Well Owner Information (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>Clara Water Assn.</u>	Latitude: <u>31° 35' 40" N</u> Longitude: <u>88° 40' 42" W</u>
Mailing Address: <u>2900 Highway 63</u>	Method of Lat/Long (check one): <u>Conventional Survey</u>
<u>Waynesboro</u> <u>Ms.</u> <u>39367</u>	USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
City State Zip Code	<u>NW 1/4 NE 1/4, Sec 10 T 7N R 7W</u>
Telephone No. (601) <u>735-2428</u>	<u>± 1</u> Miles <u>East</u> of <u>Clara</u>
	(Distance) (Direction) (Nearest Town)

location adjusted based on aerial

Well / Borehole Data

Date drilling started: 8-31-20 Date drilling completed: 10-20-2020 Hole depth: 337' Hole diameter: 17 3/4"

Location of the source of any surface water used for drilling: Clara Water Assn.

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. Geological Survey

Purpose of borehole (circle 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 (circle all applicable): Home Industrial Public Supply Irrigation Fish Culture

Other (describe): _____

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

Static Water Level: 130 feet [above or below] land surface Date measured: 10-20-2020

Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): _____

Well depth: 328' Well grouted to a depth of: 296' feet Type of grout (circle one) Neat Cement Bentonite Mix

Casing length: 296' feet Casing diameter: 12 3/4" inches Type of casing: Steel

Screen length: 30' feet Screen diameter: 6" x 8" inches Type of screen: Stainless Mon. Pack

Screen slot size: .015 inches Setting depth: From 298 feet to 328 feet

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

Other (describe): _____

Top of tap pipe or reduction in casing: 233' feet

RECEIVED
 NOV 12 2020
 BY OLWR

If telescoped or more than one screen, describe on next page

County: _____
 Permit #: _____

For Office Use Only:
 Well #: 5126

The sketch below only required for water wells

If well telescopes, show depths on sketch.

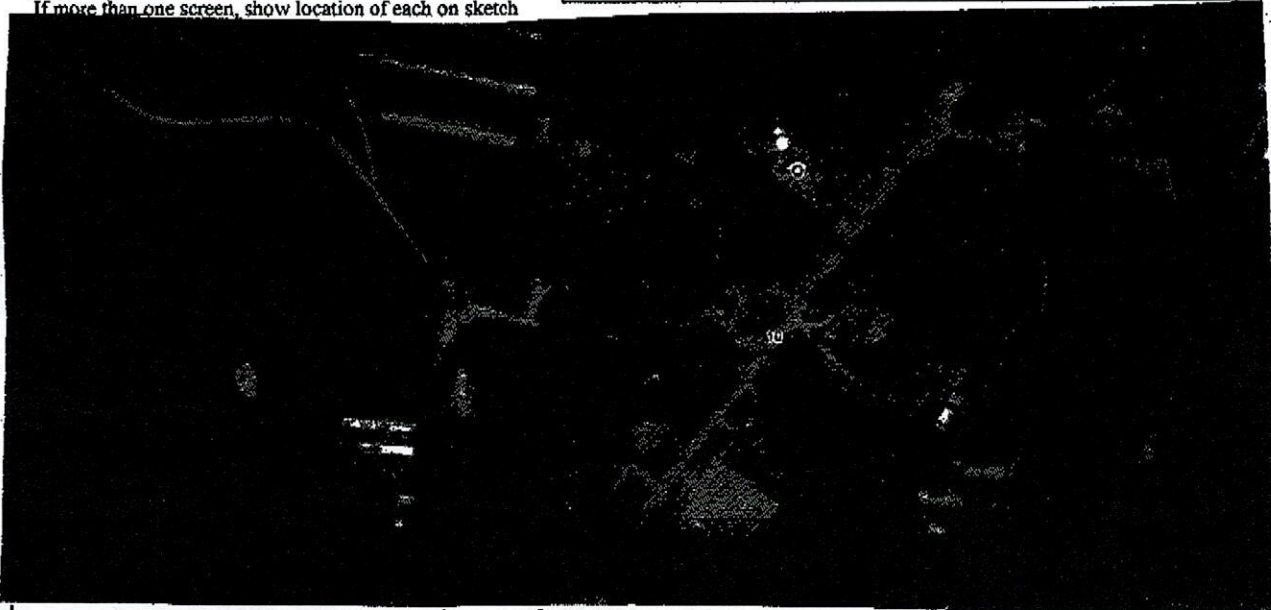
Ground Level \rightarrow

RECEIVED
 NOV 12 2020
 BY OLWR

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)
Top Soil	Ground level	1
Tan sandy clay	1	29
Sand	29	52
Orange clay	52	63
Light gray clay	63	102
Rock	102	
Sandy gray clay	102	123
White sandy clay	123	145
gray clay	145	169
sandy clay	169	228
Sand w/ clay streaks	228	292
Sand	292	328
Rock	328	328 1/2
Rock ledges w/ red clay	328	337
Rock	337	

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



Landowner Name: Clava Water Assn.

I HEREBY 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.

Mike Baughman 587 [Signature]
 Print Name of Responsible Licensee and License No. Date Signature of Licensee

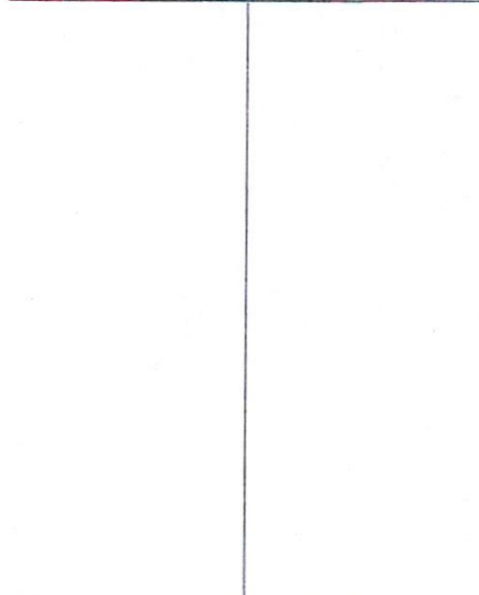
Form: OLWR-SWR-1A (4/13)

County: _____
 Permit #: _____

For Office Use Only:
 Well #: _____

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

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Rock	102	
Sandy gray clay	102	123
White sandy clay	123	145
gray clay	145	169
sandy clay	169	228
Sand w/ clay streaks	228	292
Sand	292	328
Block	328	328 1/2
Block refers to gray clay	328	337
Rock	337	

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



Landowner Name: Clava Water Assn.

I HEREBY 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.

Mike Baughman
 Print Name of Responsible Licensee and License No.

587
 Date

[Signature]
 Signature of Licensee

A-1 DRILLING SERVICE, INC.

1553 HIGHWAY 84 EAST
LAUREL, MS 39443

LOG FORM

RECEIVED - WATER DIV.
2021 JUN 15 AM 8:09

Well #5

NAME: Clara Water Association
 LOCATION: 31° 35' 40" N 88° 40' 42" W
NW, NE, SEC.-10, T-7N, R-7W
 ENGINEER: G&S ENGINEERING
 DRILLER: A-1 DRILLING SERVICE LOG NO. S-0126
 COMPLETION DATE: _____ ACCEPTED: _____
 SALES ENGINEER: M. BAUGHMAN FIELD SUPERVISOR: C. HAWKINS

WELL DATA

Length surface casing: --- Size surface casing: ---
 Cemented: --- No. Sacks: --- Size drilled hole: 17 3/4"
 Depth drilled hole: 340' Sz. Well csg.: 12 3/4" Type: Steel (coated inside)
 Length well casing: 296' Cemented: 0-296' No. sacks: 160
 Size screen 8" x 6" Type: Muni Pack Mfg. by: Alloy Machine Company
 Slot size: 0.015" Material: Stainless Steel Length Screen: 30'
 Lap pipe size: 8" Lap pipe length: 63'
 Type: epoxy-coated steel
 Distance to lap: 233' Distance to screen top: 298'
 Distance to screen bottom: 328' Type bottom: BWV
 Connection top of lap: R & L coupling Static water level: 130'

PUMP DATA

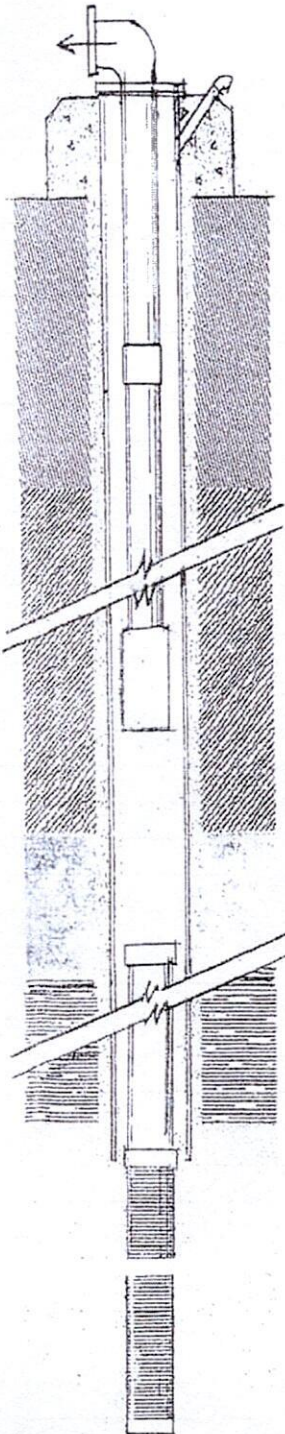
Type: Submersible Make: Grundfos Serial No. C16B7006P12039001
 Size bowls: 6" No. Stages: 6 Curve No.: --- Lgt. Bowls: 55"
 Lgt. Column: 262' Size column: 6" Type column: epoxy-coated steel
 Size oil tube: --- Size shaft: --- Length suction: ---
 Size suction: --- Size discharge: --- Head no.: ---
 Overall pump length: --- Length headshaft: ---
 Type lubrication: --- Type oiler: --- Length air line: 262'
 Rated Capacity: 385 GPM Total head: 335'
 Size Foundation: 3' X 3' X 3' Height: ---

ELECTRIC MOTOR DATA

Type: Submersible Make: Franklin Serial No.: 20H19-13-000498
 HP: 50 Voltage: 460 V. RPM: 3450 Frame: ---
 Style: --- Phase: 3 Cycle: 60 Amps: 77
 Hgt. motor: 56" Dia. Base: --- Clutch bore: --- Clutch No.: ---
 Top bearing No.: --- Lower bearing No.: --- Lubrication: ---

SWITCH DATA

Type: VLT Aqua Drive Make: Danfoss
 Size: 45kw Catalog No.: FC202P45KT4E20HZ
 Rating: 80 amp Volts: 480 V Phase: 3 Cycles: VFD
 HP rating: 60HP Size relays: -- Relay type: ---
 Entrance switch: 300 amp Siemens
 Fuse size & type: 125 amp Breaker Siemens Size wire: Feb-00





A-1 DRILLING SERVICE, INC.

1553 HIGHWAY 84 EAST
LAUREL, MS 39443

FORMATION LOG

OWNER: Clara Water Association

WELL NO. 0770003-5

PAGES

1 OF

1 PAGES

ADDRESS: 2900 Highway 63 Waynesboro, MS 39367

WELL LOCATION: NW, NE, SEC 10, TN 7N, R 7W

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	REMARKS
1	1	Top Soil	
3	2	Tan Clay	
29	26	Sand	
52	11	Orange sandy clay	
63	39	Light gray clay with sand	
102	1	Rock	
123	21	Sandy gray clay	
145	22	White sandy clay	
169	24	Light gray clay with sand	
228	59	Sandy clay	
292	64	Sandy with clay breaks	
323	31	Sand	
387	64	Gray clay with rock ledges	

DATE STARTED:

8/31/2020

DATE COMPLETED:

10/20/2020

FIELD ENGINEER:

Mike Baughman

DRILLER:

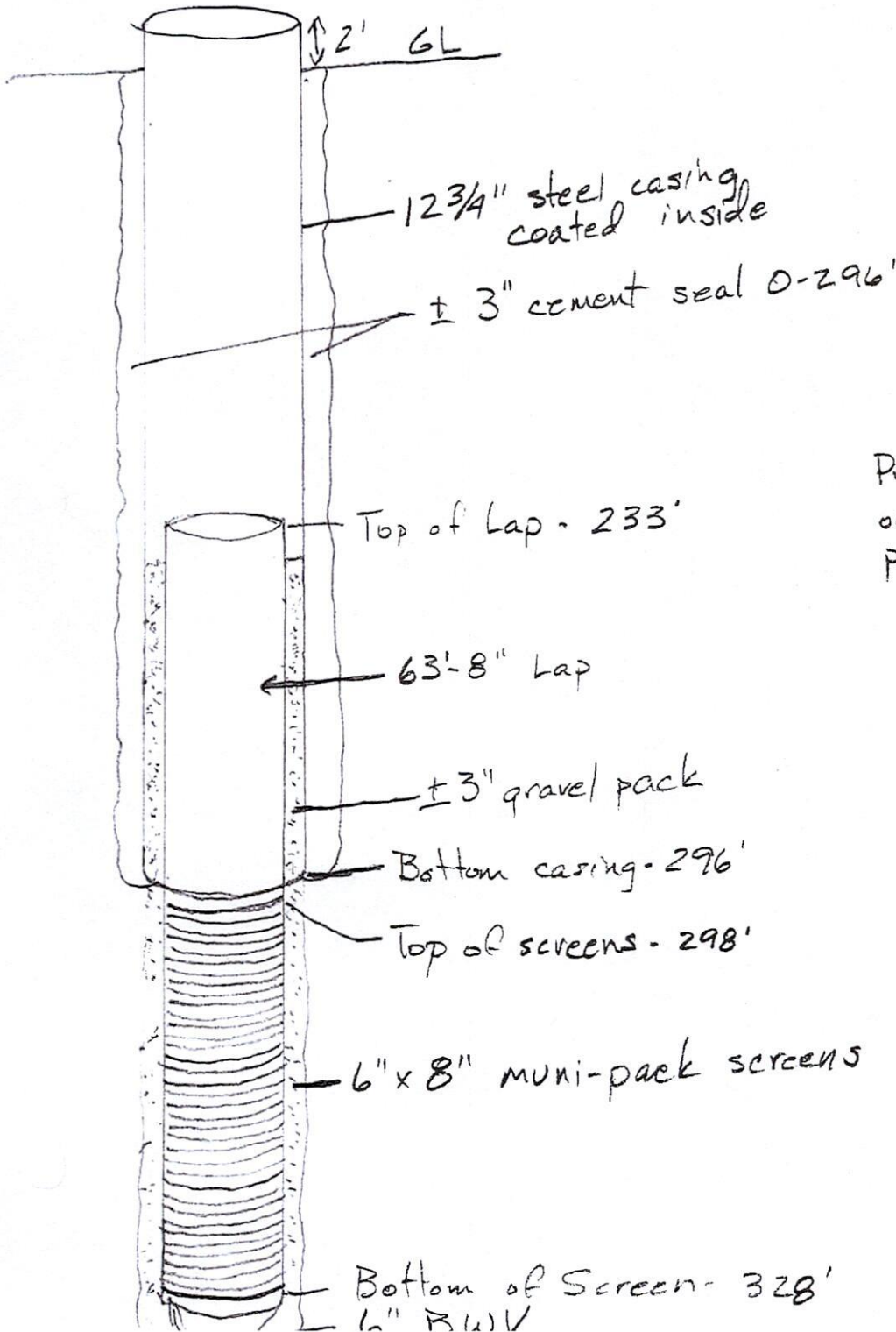
C. Hawkins

Clara Water Assn.

(A-1 Drilling Serv.)

Well # 5

→ RH



Pump set - 263'
on 6" coated steel pipe.