Recorded-by: WJO

**U.S. GEOLOGICAL SURVEY**
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

**Well No.:** H73

**County:** DeSoto

**Olive Branch**

**Quad:**

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**Site ID:**
3.45559, 0.894735, 0.1
3 = C * C
5 = USGS
9 = Dist.
19 = Co.
R = 0
T = A
2 = W

**Data reliability:** 3 = C * C

**Report agency:** 4 = USGS

**Dist.:** 6 = 28
7 = 28
8 = ‘0,3,3’

**Lat.:** 9 = 3.4559
10 = 0.894735
12 = Well No.
1 = ‘H,0,1,3’

**Long.:** 13 = SW
14 = S
15 = 0.1
16 = R
17 = 0.6
18 = ‘406’

**Location:**

**Hyd. Unit (OWDC):** 20 = 20

**Well use:** 23 = W

**Water Use:** 24 = P

**Hole depth:** 25 = 2.5

**Well depth:** 25 = 2.5

**WL:** 30 = 1.35

**Date:** 31 = 1.2

**Source:** 33 = S

**Status:** 273 =

**Project No.:** 5 =

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**OWNER:**

**Owner:** 161 = F.A. HAVEN, W.A
City of Olive Branch

**AB SPRT**

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**FIELD CON:**

**Date:** 159 = 15/05/27/1971

**Temp.:** 19600010

**Cond.:** 19600095

**pH:** 19600040

**Drilg.:** 63 = 0.02

**Name:** Ratliff

**Method:** 65 = H

**Finish:** 66 = S

**CONSTR.:**

**Date:** 193 = 1/2/1971

**R = 192**

**R = 192**

**R = 192**

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**CASTING:**

**Date:** 60 = 05/27/1971

**Remarks:**

**Drlg.:** 63 = 0.02

**Name:** Ratliff

**Method:** 65 = H

**Finish:** 66 = S

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**OPENINGS:**

**Top csgn.:** 77 = 0

**Bot. csgn.:** 78 = 2.14

**Diam.:** 79 = 6

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**R = 82**

**Top 83 = 2.14**

**Bottom 84 = 2.5**

**Size 85 = 0.08**

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**R = 82**

**Top 83 = 2.14**

**Bottom 84 = 2.5**

**Size 85 = 0.08**

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**YIELD:**

**R = 146**

**T = A**

**Q = 150 = 168**

**Q/S = 272**

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134 flows 146 pumped

**Q 25#**
Water Level Data Collection (1)

181 gpm: open discharge
pumping level: 195 ft.
(200' from H34)

FORMULATION LOG
0 - 17 feet red clay
17 - 35 feet clay & gravel
35 - 80 feet gravel
80 - 197 feet fine sand
197 - 260 feet good sand
260 - 315 feet fine sand
NOTICE OF CLAIM FOR CONTINUED USE OF SURFACE/GROUND WATERS FOR BENEFICIAL USE

Pursuant to the laws of the State of Mississippi, namely §51-3-5 (2) or (3), as amended, I, the landowner,

City of Olive Branch
Fairhaven Water Association, Inc. 64-6001544
9189 Pigeon Roost Rd, Olive Branch MS. 38654
(Site or Tax ID No.)
Address (City or Town) (State and Zip)
(601) 895-4000
(Telephone Number)
do hereby file claim for the continued use of: (circle one)

surface water ground water
for the following beneficial use: (circle one or more)
municipal irrigation; recreation; livestock water; fish culture; industrial;
Rural Water District
Other

1. Name & Address of agent or applicant if different from landowner.

(Name) (Same)

(Site or Tax ID No.) (Address)

(City or Town) (State and Zip)

(Telephone Number)

2. Location of point of diversion/withdrawal (include location map with claim)

SW 1/4 or SE 1/4 of Section 5, Township 3, Range 6, County DeSoto

3. Volume of water diverted/withdrawn:

(1) ______ acre feet per year, diverted/withdrawn at a maximum rate of ______ gallons per minute; or

(2) ______ million gallons per day, diverted/withdrawn at a maximum rate of ______ gallons per minute.

4. Description of lands on which water will be used:

(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary

(b) Has the above described land any water right or source of water supply other than that herein applied for?

(Water Rights Number(s)________) Describe the nature and amount of any additional supply

SECTION A (to be completed if source of water is from surface supply)

1. Prior water rights permit/license number__________ dated__________

2. Source of supply is______________________________ which drains into______________________________ which drains into______________________________

3. Description of diversion works:

(a) Water obtained directly from stream:______________________________ (Name)

Pump______________________________ Power Unit______________________________

Lift______________________________ ft. Maximum capacity______________________________ gpm

(b) Storage reservoir______________________________ (Name)

Height of dam______________________________ feet. Surface area at normal pool______________________________ acres

Storage capacity at normal pool______________________________ acre feet
SECTION B (to be completed if source of water is from underground supply)

1. Source of supply: _______________________________ Memphis ______ aquifer(s)

2. Description of water well:
   (a) Well data:
      (1) Date well completed May 27, 1971
      (2) Depth drilled 254 feet
      (3) Type of completion Straight Wall well
      (4) Surface elevation 380 feet
   (b) Screen data:
      (1) Depth to bottom 254 feet
      (2) Length 40 feet
      (3) Diameter 5 3/8" inches
      (4) Type Stainless Steel
      (5) Slot ______ inches
   (c) Casing data:
      (1) Length(s) 214 feet;
      (2) Type Plastic
      Diameter(s) 6 inches
   (d) Pump data:
      (1) Type & Size Rapidan 20 HP
      (2) Capacity 150 gpm
      (3) No. stages
      (4) Setting depth 200 feet
      Well Driller Robert E. Ratliff Co., Grenada, MS.
      (Name of Company)

WATER USE DATA

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

<table>
<thead>
<tr>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>SEC.</th>
<th>NE%</th>
<th>NW%</th>
<th>SW%</th>
<th>SE%</th>
<th>TOTALS</th>
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(b) List the acres to be irrigated: Rice_______; Cotton_______; Corn_______; Pasture_______; Truck_______;
   Other crops (______________________________) ______ acres.

2. If for MUNICIPAL use: (a) Present population ______ estimated ______ (based on 19______ Census)
   (b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next
twenty years: 0.036, 19.91, 0.04, 19.96, 0.05, 20.01, 0.025, 20.06

3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year ______:
   rate of release ______, location of release point in reference to diversion point ______ (show location on map)
   (b) Explain any change in quality of water to be released:

4. If for RECREATIONAL use: Explain how water will be used

5. If for FISH CULTURE use: (a) Explain in detail how water will be used

6. If for ANY OTHER use: (a) Explain in detail

REMARKS

Well Permit No. NGW 17080073

This is all of the information I have on this well. This Association has three wells and they alternate pumping so any consumption figures used will include all wells.

List below the name and address of person to be contacted for additional information, if required.

J. E. Lauderdale, P.E.
City Engineer for Olive Branch, MS.

P. O. Box 327
Hernando, MS. 38632

Subscribed and sworn to before me this 8th day of Feb., 1986, at Hernando.

County of DeSoto, Mississippi. My commission expires, 11/14/88.

Notary Public
By O. Taylor D.C.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Cat\Fred  
DATE: 7/24/94

UNIT DEQ #: 24030  
FILE #: 60722472

HEALTH DEPT. #: 170007-02  
ELEV. 400

USGS #: 461 H73  
OLWR #: MS-6W-01668

OWNER: City of Olive Branch

LOCATION: SW 1/4 SW 1/4 T 25 R 5W  
COUNTY: DESOTO

LOCATION DESCRIPTION: 700' South of Ground Tank at Plant.

CASING DIA: 6"  
PUMP TYPE & SIZE: Sub

GPS FIELD LOCATION: LAT. 34°56'02"N (LONG. 89°47'36"W)

GPS CORRECTED LOCATION: LAT. 34°56'02"N (LONG. 89°47'36"W)

REMARKS: Plant 100' East of Old Hwy 78

Abandoned according to Permit