

Coded By ND 485 4/90  
Checked By \_\_\_\_\_  
Entered By \_\_\_\_\_  
Date \_\_\_\_\_

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 185  
County FORREST  
Agency \_\_\_\_\_

Well No. B127

Eastabuchie  
Quad

WELL RECORD

Agency Code <u>U S G S</u>	Site Id <u>1 31 231910891153160111</u>	Project No. <u>54                    </u>
Station Name <u>12 B 11271 ESTABUCHIE</u>	Latitude <u>9 31 23 39 1</u>	Longitude <u>10 08 19 15 31 6</u>
Lat/Long Ac. <u>11 3 F T M</u>	Dist <u>6=28</u>	State <u>7=28</u>
County <u>8=0315</u>	SW SE Land Net <u>13 N W S W S   13 T 10 5 N R   13 W 2</u>	
Location Map <u>3128 14= ESTABUCHIE</u>	Altitude <u>16=2140</u>	Met/Meas <u>17= A L M</u>
	Accuracy <u>18= 1 15</u>	Hydrologic Unit <u>20= D3117010104</u>

Agency Use <u>803 A I O</u>	Date Inventoried <u>711 03 / 28 / 11 9 8 5</u>	Station Type <u>J         Y</u>	Data Type <u>804                    </u>
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Instru. <u>805   806                    </u>	Remarks <u>3 C L M U</u>	Relia. <u>2 W X</u>
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Date of Construction <u>21 03 / 28 / 11 9 8 5</u>	Well Use <u>23 W</u>	Water Use <u>24 P</u>	Primary Aquifer <u>714 12 2 C T H L 1</u>	Hole Depth <u>27 18140</u>
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Well Depth <u>28 16192</u>	Water Level <u>30 11 17 15</u>	Water Level Date <u>31 06 / 10 5 / 11 9 8 5</u>	Method <u>34  </u>	Status <u>37  </u>	Source <u>33 D</u>
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CONSTRUCTION DATA

Construction Date <u>60 06 / 10 5 / 11 9 8 5</u>	Contractor <u>63 1814</u>	Method <u>65 H</u>	Finish <u>66 S</u>
Name <u>Griner</u>			

CONSTRUCTION CASING DATA

Top/Casing <u>725 #1</u>	Bot/Casing <u>59 #1</u>	Diameter <u>77        </u>
<u>725 #2</u>	<u>59 #1</u>	<u>77 161071</u>
<u>78 16512</u>	<u>79 16</u>	

CONSTRUCTION OPENINGS DATA

Top/Depth <u>83 161521</u>	Bot/Depth <u>84 161921</u>	Diameter <u>87 16</u>	Type <u>85 S</u>	Length <u>89        </u>	Width <u>88 19018</u>
<u>83        </u>	<u>84        </u>	<u>87        </u>	<u>85        </u>	<u>89        </u>	<u>88        </u>

CONSTRUCTION LIFT DATA

Power <u>45 E</u>	H.P. <u>46 11.5</u>	Serial No. <u>49                    </u>
Lift Type <u>43 T</u>	Date <u>38 06 / 10 5 / 11 9 8 5</u>	Intake <u>44 23181</u>

MISCELLANEOUS OWNER DATA

Date of Ownership <u>159 06 / 10 5 / 11 9 8 5</u>	Owner Name <u>161 ESTABUCHIE</u>
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MISCELLANEOUS OTHER ID DATA

E-Log No. <u>190 185</u>	Assigner <u>191 N I S S   D I S T</u>
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MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934     /     /         .	Aquifer Sampled 1954                 .	Temp 196#00010	Value 1974           .
R=192	T=A	738#2	Date of Measurement 1934     /     /         .	Aquifer Sampled 1954                 .	So Cond 196#00095	Value 1974           .
R=192	T=A	738#3	Date of Measurement 1934     /     /         .	Aquifer Sampled 1954                 .	pH 196#00400	Value 1974           .

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 1994E .	Beg. Depth 2004   1501   .	End Depth 2014   838   .
R=198	T=A	739#1	Log Type 1994   .	Beg. Depth 2004           .	End Depth 2014           .

MISCELLANEOUS NETWORK DATA 106 = WL, QW, WD\*

R=114	T=A	730#1	Beg. Year 1154   4     .	End Year 1164   4     .	Agency Source 120=A 117#         .	Freq. 1184     .
R=121	T=A	730#2	Beg. Year 1154   4     .	End Year 1164   4     .	Agency Source 117#         .	Freq. 1184     .

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 1844     /     /         .	Remarks 1854           .
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 1484   016 / 1015 / 1191815 .	Type 703# P F	Discharge 1504   121011   .	Sp. Capacity 2724   14181 .
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 914   16310   .	Depth Bot. 924   161910   .	Unit Id 934   11221CIT14	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 1004             .	1034     .
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Well #2

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
TOP SOIL	0	2	CLAY + SAND STRCS.	784	840
SAND + GRAVEL	2	160			
CLAY + SAND STRAND	160	186			
CLAY	186	373			
SAND	373	432			
CLAY	432	535			
SAND	535	583			
CLAY	583	630			
SAND	630	672			
CLAY	672	700			
SAND + CLAY STRCS.	700	784			

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW WATER FROM THE STATE OF MISSISSIPPI FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

RECEIVED

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
 P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

JAN 09 1997

Dept. of Environmental Quality  
 Office of Land & Water Resources  
 FORM OLWR-AP-2 (REV. 9/94)

This box is for office use only.

3-25-97 AGN.

Issued: 2-10-87	Expires: 3-25-2007	Fee Paid: ✓	Permit No.
Lat. 31-23-39	Long. 89-15-38	Elev. 245	USGS No.
Quad. EASTABUCHIE	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: MOCN	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-6W-0193

THIS APPLICATION IS FOR (Circle one): GROUNDWATER - COMPLETE A,B,E  
 SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water, or Private Water 2) Irrigation  
 3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: EASTABUCHIE UTILITY ASSCN (Name) 034-069583 (SSN or Tax ID No.)

PO Box 40 (Address)

EASTABUCHIE MS 39436 (City) (State & Zip) (601) 545-7629 (Telephone No.) 582-8959

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(Name) (SSN or Tax ID No.)

(Address)

(City) (State & Zip) (Telephone)

MAP SENT

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NW 1/4 of the SW 1/4 of Section 13, Township 5N, Range 13W, County FORREST

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES (NO) If yes, describe the nature and amount of any additional supply and, if applicable, list permit number.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: MIOCENE MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180006-02

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.

If well has already been drilled, when was well completed (date)? 3 21 1986 Under whose name was well originally drilled (if known)? EASTABUCHIE UTILITY

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 692 feet. DRILLER: GRINER DRILLING SERV

(b) SURFACE CASING: Length 632 feet; Diameter 8 1/2 inches; Type STEEL

(c) SCREEN: Length 40 feet; Diameter 6 inches; Type WIRE WOUND STAINLESS

(d) PUMP: Type TURBAN; Size 8 1/2 inch; Capacity 250 gallons per minute; Setting depth 652 feet

(e) POWER UNIT: Type VHS, U.S.; Size 30 horsepower

4. PERMITTED VOLUME:

(a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

(b) .10 million gallons per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK) 250

1.14.97

**SECTION C** (to be completed for SURFACE WATER SOURCE)

- Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_  
which drains into \_\_\_\_\_ (major stream or river)
- Description of pump/diversion works:  
Pump (size & type): \_\_\_\_\_ Power Unit (size & type): \_\_\_\_\_  
Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute
- \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

**SECTION D** (to be completed for SURFACE WATER IMPOUNDMENTS (DAMS) on continuously flowing streams)

- Name of storage reservoir: \_\_\_\_\_ Dam Height: \_\_\_\_\_ feet
- Surface area at normal pool: \_\_\_\_\_ Storage capacity at normal pool: \_\_\_\_\_ acre-feet

**SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)**

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Oats \_\_\_\_\_; Corn \_\_\_\_\_; Soybeans \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Grain Sorgum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres \_\_\_\_\_

- A. Method of Irrigation (circle one) - Center Pivot Flood Furrow  
 B. Land Condition (circle one) - Precision Land Formed Smoothed  
 C. ASCS Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_

- FISH CULTURE:** Explain how water will be used: \_\_\_\_\_  
How often will reservoir (s) be emptied and refilled? \_\_\_\_\_

**3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**

Chose "a" or "b". (a) The number of people served is \_\_\_\_\_ or (b) The number of connections is 485  
 What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?  

$\frac{75,000}{\text{(Volume)}}$	$\frac{2001}{\text{(Year)}}$	$\frac{100,000}{\text{(Volume)}}$	$\frac{2006}{\text{(Year)}}$	$\frac{125,000}{\text{(Volume)}}$	$\frac{2011}{\text{(Year)}}$	$\frac{150,000}{\text{(Volume)}}$	$\frac{2016}{\text{(Year)}}$
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- INDUSTRIAL :** If the water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_  
Rate of release \_\_\_\_\_; NPDES Permit No. \_\_\_\_\_  
Explain any changes in quality of water to be released: \_\_\_\_\_  
Explain how water will be used: \_\_\_\_\_  
How much groundwater will be used for once-through non-contact cooling? \_\_\_\_\_

- RECREATION:** Explain how water will be used: \_\_\_\_\_

- OTHER USE:** Explain in detail (if needed, attach another page): \_\_\_\_\_

- REMARKS:** \_\_\_\_\_

List below the person to be contacted for additional information if required.

\_\_\_\_\_  
(Name)  
\_\_\_\_\_  
(Address)  
\_\_\_\_\_  
(City, State, Zip)  
\_\_\_\_\_  
(Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

James W Manning  
(Signature)

Subscribed and sworn to before me this 6th day of January, 1997, at Wadley County of Mississippi

My commission expires Aug 2, 1999; J R Young Notary Public.

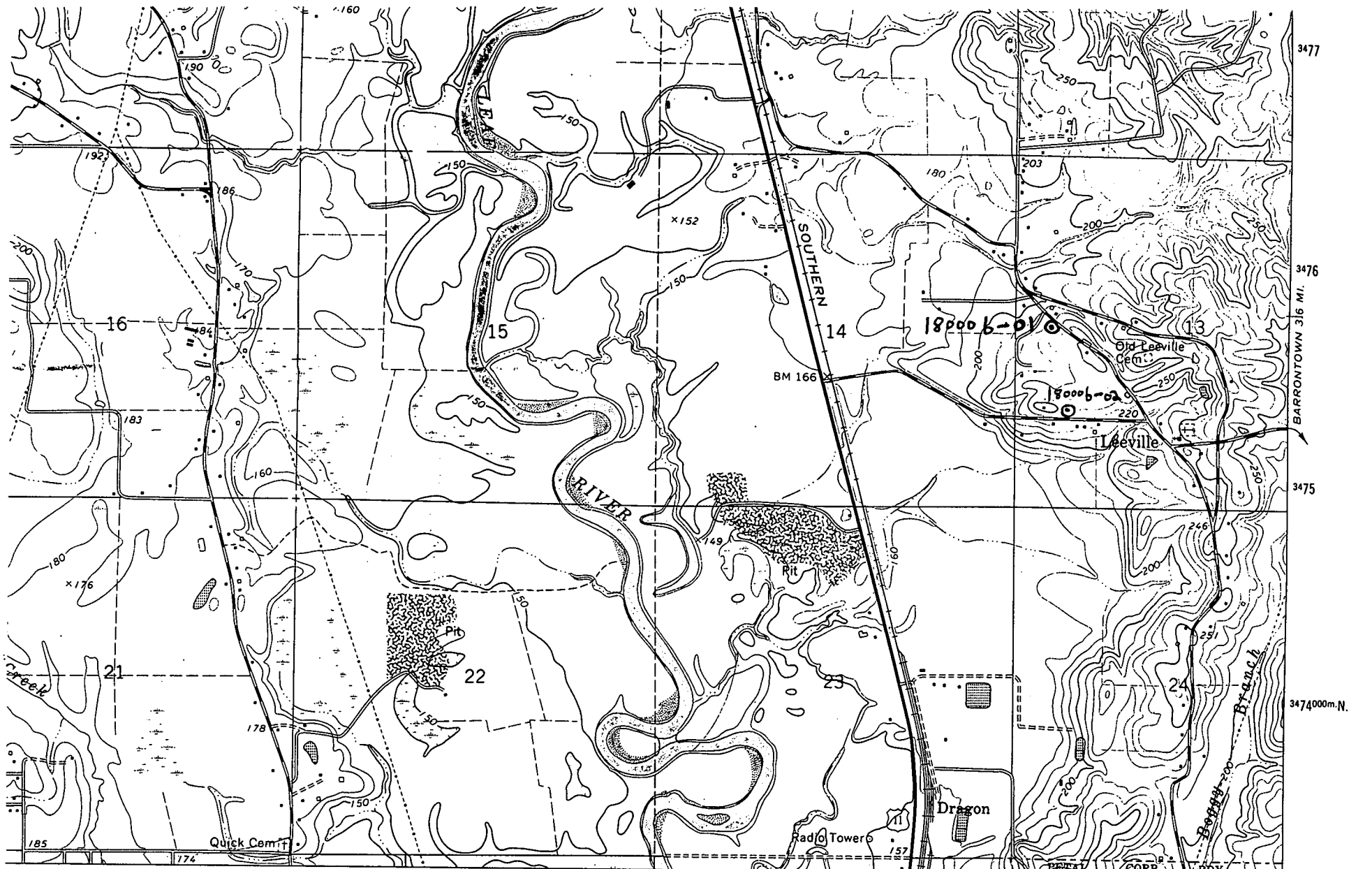
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

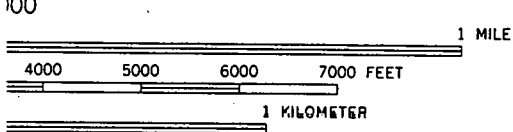
Eastabutchie  
Quad.

GPS LOG

USER NAME(S): CA. Hotwreak DATE: 6/30/94  
UNIT DEQ #: 82555 FILE #: C063017A  
HEALTH DEPT. #: 180006 - 02 ELEV. 245  
USGS #: Z-107 B127 OLWR #: 1931  
OWNER: Eastabutchie Water Assoc.  
LOCATION: NW-NW-SW S 13 T 5N R 13W COUNTY: Forrest  
LOCATION DESCRIPTION: N side of Chevis Lee Rd 7/10 mi. East  
of Hwy 11.  
CASING DIA: 8" PUMP TYPE & SIZE: 30 HP Elec.  
GPS FIELD LOCATION: LAT. 31° 23.660 LONG. 89° 15.650  
GPS CORRECTED LOCATION: LAT. 31.23 39.280 LONG. 89 15 39.224  
REMARKS: GPS at well: 31.394244 89.260896  
Numbers of Desc. are Reversed



281 17'30" 283 284000m.E. 31° 22'30" 89° 15' 3474000m.N. BARRONTOWN 316 MI.



10 FEET  
DATUM OF 1929



ROAD CLASSIFICATION

- Heavy-duty —————
- Medium duty —————
- Light-duty —————
- Unimproved dirt - - - - -
- Interstate Route (Shield symbol)
- U. S. Route (Circle symbol)
- State Route (Circle symbol)

(CARTERVILLE)  
3161 SW

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982  
HATTIESBURG (CH.) 4.1 MI.  
PURVIS 19 MI.