GW01932 DOH # 180006-01

WRD Exp. (GW)
April 1966

Well No. B 71

E Log # 76

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

PUNCHED and VERIFIED ROLLA COMPUTATION BRANCH

MASTER CARD

Record by CJ Source of data MSGS 109 Date 3-18-68 Map Eastabuchie

State Miss. 1 28 County (or town) Forrest 18

Latitude: 31 23 58 N Longitude: 089 15 30 Sequential number: 1

Lat-long accuracy: 4 T. 5 N, R. 13 W Sec. 13, ¼, NW ¼, SW ¼

Local well number: B07 1305N13W Other number: B & M Test Hole #1

Local use: 1840766 Owner or name: Eastabuchie Water Assoc.

Owner or name: EASTABUCHIE WA Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. W

DATA AVAILABLE: Well data Freq. W/L meas.: Ø Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: E 109 10-1010 Sample (MSGS) D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: split spoon (see log) ft 810 Meas. rept accuracy 3

Depth cased; (first perf.) ft 698 Casing type: ; Diam. 8X6 in 8

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other A

Date Drilled: 2-13-68 9 6 8 Pump intake setting: 150 ft

Driller: Griner Drilling Co. (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, nat gas, LP gas, wind; H.P. 15 V Trans. or meter no.

Descrip. MP 250 8 STAGES above below LSD, Alt. MP

Alt. LSD: 240' T, 240 Accuracy: (source) 4

Water Level ft above below MP; Ft above below LSD 50 Accuracy: D

Date meas: 2 6 8 Yield: gpm 200 Method determined

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

10/30/81
WL: 95.25
250
95
155

Well No. B 71

Well No. B 71

Latitude-longitude ____ N S ____ d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section: ____

D (22) Drainage Basin: 13N (23–25) Subbasin: ____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ____ (27)

MAJOR AQUIFER: ____ system, ____ series, TM (28–29) ____ aquifer, formation, group MZ (30–31)

Lithology: US (32–33) Origin: 3 (34) Aquifer Thickness: 120 ft

120 (35–37) Length of well open to: ____ ft 40 (38–40) Depth to top of: ____ ft 690 (41–43)

MINOR AQUIFER: ____ system, ____ series, ____ (44–45) ____ aquifer, formation, group ____ (46–47)

Lithology: ____ (48–49) Origin: ____ (50) Aquifer Thickness: ____ ft

____ (51–53) Length of well open to: ____ ft ____ (54–56) Depth to top of: ____ ft ____ (57–59)

Intervals Screened: ____

Depth to consolidated rock: ____ ft ____ (60–63) Source of data: ____ (64)

Depth to basement: ____ ft ____ (65–68) Source of data: ____ (69)

Surficial material: ____ (70–71) Infiltration characteristics: ____ (72)

Coefficient Trans: ____ gpd/ft ____ (73–75) Coefficient Storage: ____ (76–78)

Coefficient Perm: ____ gpd/ft²; Spec cap: ____ gpm/ft; Number of geologic cards: ____ (79)

CATAHOULA (Lower part) 122 CTHLL

Approx. 2500' N SL - 600' E WL

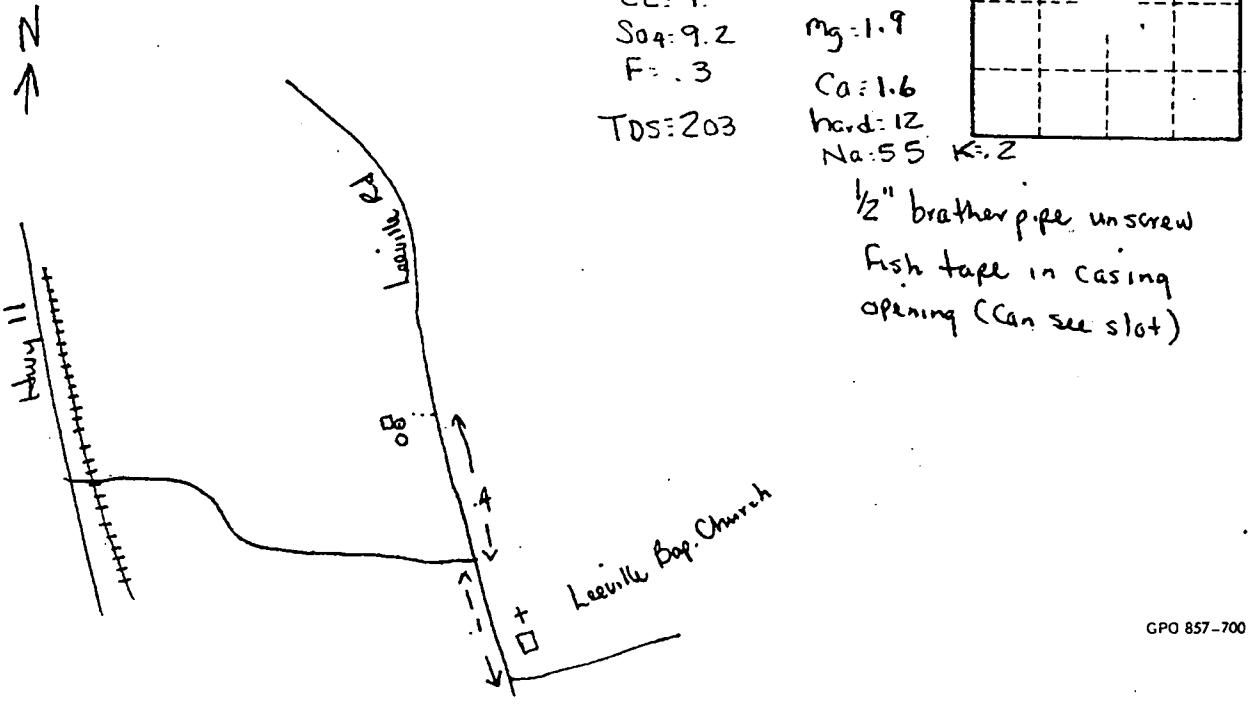
9/82 MSBOH

pH: 8.4
Alk(T): 130
Cl: 9.
SO_4: 9.2
F: .3

TDS: 203

Fe: .10
Color: 5
Mg: 1.9
Ca: 1.6
hard: 12
Na: 55 K: 2

½" brather pipe unscrew
Fish tape in casing opening (Can see slot)



GPO 857-700

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

RECEIVED
AUG 1996
Dept. of Environmental Quality
Office of Land & Water Resources

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

This box is for office use only. 8-27-96 AGN. FORM GW-1A (Revised 6/95)

Issued: 3-25-86	Expires: 3-25-2006	Fee Paid:	Permit No.
Lat. 31-23-49	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-GW-0019732 NGW1802005 3

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 ASSN (Name) 034-069583 (SSN or Tax ID No.)

PO BOX 40 (Address)

EASTABUCHIE, MS. 39436 (601) 545 . 7629
(City) (State & Zip) (Telephone No.)

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

_____ (Name) _____ (SSN or Tax ID No.)

MAP SENT

_____ (Address)

_____ (City) _____ (State & Zip) (___) _____ - _____ (Telephone)

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. ~~NGW1802005~~ MS 180006-02

SECTION B (to be completed for GROUNDWATER SOURCE)

1. **AQUIFER:** MIOCENE **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** 180006-01
2. Proposed work will begin on 1968, 19____, and will be completed by 1968, 19____. If well has already been drilled, when was well completed (date)? 4-13-1968, 19____. Under whose name was well originally drilled (if known)? EASTABUCHIE UTILITY ASSN
3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 810 feet. DRILLER: GRINER DRILLING SERV.
   (b) SURFACE CASING: Length 688 feet; Diameter 8 5/8" inches; Type STEEL
   (c) SCREEN: Length 40 feet; Diameter 6" inches; Type WIRE WOUND STAINLESS STEEL
   (d) PUMP: Type TURBINE; Size 4"; Capacity 255 (225 or 350??) gallons per minute; Setting depth 250 feet
   (e) POWER UNIT: Type ~~30~~ TURBIN HOLLOW SHAFT; Size 30 HP horsepower

   NEW PUMP MOTOR -91

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 255 gallons per minute

(CONTINUED ON BACK)

14 200

SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from _____ which drains into _____ which drains into _____ (major stream or river).
2. Discription of pump/diversion works:
   Pump (size & type): _____ Power Unit (size & type): _____
   Lift: _____ feet Maximum capacity: _____ gallons per minute
3. _____ 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)

1. Name of storage reservoir: _____ Dam Height: _____ feet
2. 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)

1. **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.**_____
2. **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 1300 or (b) The number of connections is 455
   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? 60,000 (Volume) 01 (Year); 80 000 (Volume) 06 (Year); 100 000 (Volume) 11 (Year); 120 000 (Volume) 16 (Year)
4. **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? _____
5. **RECREATION**: Explain how water will be used: _____
6. **OTHER USE**: Explain in detail (if needed, attach another page): _____
7. **REMARKS**: _____

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

JAMES W MANNING
(Name)
74A CHEVIS LEE RD
(Address)
PETAL MS 39465
(City, State, Zip)
601 545 7629
(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 13th day of February, 1996, at Forrest County of Mississippi

My commission expires August 2, 1999; _____ Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Eastabutchie Quad.

GPS LOG

USER NAME(S): C.A Hornbeak DATE: 6/30/94

UNIT DEQ #: 82555 FILE #: C0630178

HEALTH DEPT. #: 180006-01 ELEV. 245

USGS #: Z-106 871 OLWR #: 1932

OWNER: Eastabutchie Water Assoc.

LOCATION: SW-SW-NW S 13 T 5N R 13W COUNTY: Forrest

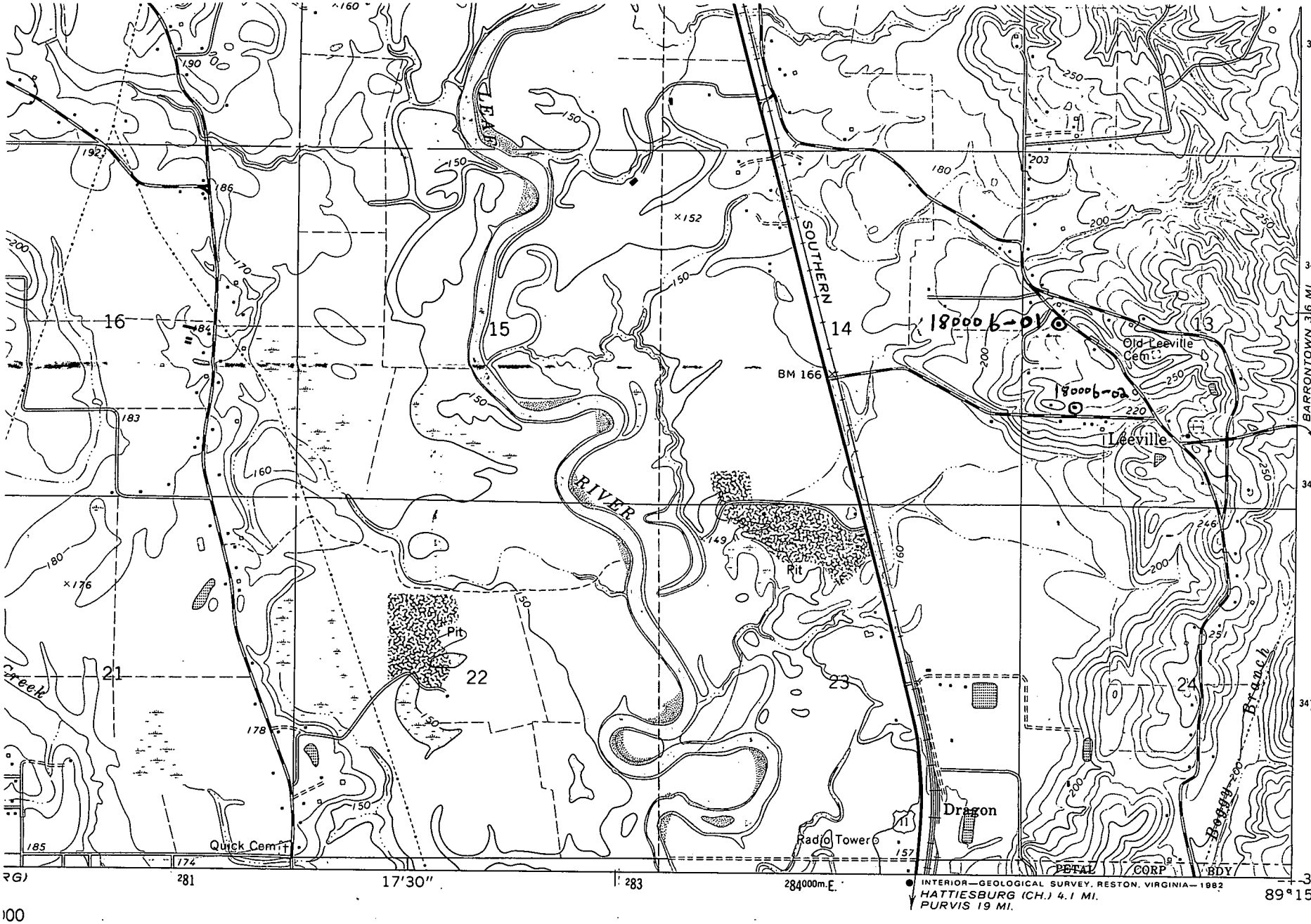
LOCATION DESCRIPTION: At Elev water Tank SW side of Leeville Rd 4/10 mi. NW of Chevis Lee Rd.

CASING DIA: 8" PUMP TYPE & SIZE: 30 HP Elec.

GPS FIELD LOCATION: LAT. 31° 23.846 LONG. 89° 15.677

GPS CORRECTED LOCATION: LAT. 31 23 51.180 31.397550 LONG. 89 15 40.419 89.261228

REMARKS: GPS at well.



1 MILE

4000 5000 6000 7000 FEET

1 KILOMETER

10 FEET

D UM OF 1929

MISS.

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———

Medium-duty ——— Unimproved dirt - - - - - -

Interstate Route U. S. Route State Route