

WELL SCHEDULE

E109 # 67

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

PUNCHED  
ROLLA COUNTY MISSOURI

Record by PEG Source of data MSGs E Log Date 5-17-68 Map Hattiesburg SW

State Mississippi County Lamar (or town) 37

Latitude: 31 20 45 N Longitude: 08 9 23 25 Sequential number: 1

Lat-long accuracy: 2 T. 4 S. R. 14 E Sec 3, N 0 1 E, N W 1, N E 1

Local well number: 5087640304N14W Other number: B & M

Local use: 184067 Owner or name: Jetco No 1

Owner or name: JETCO NO. 1 Address: City of Hattiesburg

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Fire, (F) Dom, (G) Irr, (H) P S, (I) Rec, (J) Stock, (K) Instit, (L) Unused, (M) Repressure, (N) Recharge, (O) Desal-P S, (P) Desal-other, (Q) Other MU

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed W

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

Hyd. lab. data:

Qual. water data; type:

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

Aperture cards:  yes

Log data: E Log 8-830 MSGS D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 760 Meas. rept accuracy 3

Depth cased: 720 Casing type: Steel; Diam. 4 1/2 in 6

Finish: (C) porous concrete, (F) gravel w. (G) gravel w. (H) horiz. (I) open (J) screen, (K) sd. pt., (L) shored, (M) open hole, (N) other 5

Method: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd rot., (F) jetted, (G) air percussion, (H) reverse, (I) rotary, (J) trenching, (K) driven, (L) drive wash, (M) other 4

Date Drilled: 5-68 968 Pump intake setting:  ft

Driller: Arvin D. Service, Columbia Miss

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other  Deep  Shallow 40

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 15 U Trans. or meter no. 41

Descrip. MP 258 ft above below LSD. Alt. MP 4

Alt. LSD: 255 255 Accuracy: (source) 4

Water Level: 107 ft above below MP; Ft. below LSD 107 Accuracy: 0

Date meas: 568 Yield: 150 gpm Method: determined

Drawdown:  ft Accuracy:  Pumping period:  hrs

QUALITY OF WATER DATA: Iron  Sulfate  Chloride  Hard.

Sp. Conduct  K x 10  Temp.  Date sampled

Taste, color, etc.

Hattiesburg

Well No.

E87

Latitude-longitude N  
S

**HYDROGEOLOGIC CARD**

**SAME AS ON MASTER CARD** Physiographic Province: 03 Section: \_\_\_\_\_

D Drainage Basin: 13N Subbasin: \_\_\_\_\_

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

MAJOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series TM \_\_\_\_\_ aquifer, formation, group M:Z MOCN (permit)

Lithology: \_\_\_\_\_ Origin: 3 Aquifer Thickness: 73 ft

Length of well open to: \_\_\_\_\_ ft 40 Depth to top of: \_\_\_\_\_ ft 702

MINOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Depth to top of: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft \_\_\_\_\_ Depth to top of: \_\_\_\_\_ ft \_\_\_\_\_

Intervals Screened: 4"SS

Depth to consolidated rock: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

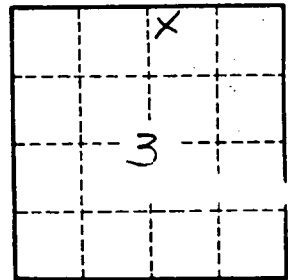
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: \_\_\_\_\_ gpd/ft Coefficient Storage: \_\_\_\_\_

Coefficient Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_

2 wells - in use



U-I No.

E 87

ELOG #67

MSOW-13090

Lamar  
E 87  
5-17-68  
M.G.S.

MISSISSIPPI  
BOARD OF WATER COMMISSIONERS  
416 North State Street  
Jackson, Mississippi 39201

CODED

WATER WELL DRILLERS LOG

5-17-1968 *Griner Drill, Inc.* Lamar  
date well completed firm name county well located  
(2 wells)

LANDOWNER: <i>J. Ed Turner</i>		description of formations encountered	from	to
<i>Hattiesburg, Miss.</i>				
<i>Well B LAKE CRYSTAL</i>		<i>Top Soil</i>	<i>0'</i>	<i>10'</i>
<i>(mailing address)</i>		<i>Hard Brown clay</i>	<i>10'</i>	<i>124'</i>
WELL LOCATION: <i>NW NW NE</i>		<i>Sand w/ small gravel</i>	<i>124'</i>	<i>175'</i>
sec. <i>3</i> T. <i>4</i> N. <i>5</i> R. <i>14</i> E. <i>W</i>		<i>Shale w/ sand streaks</i>	<i>175'</i>	<i>222'</i>
(distance) miles _____ of _____ (direction) (nearest town)		<i>Sand w/ small gravel</i>	<i>222'</i>	<i>496'</i>
WELL PURPOSE: <i>municipal</i>		<i>Shale</i>	<i>496'</i>	<i>503'</i>
(home, irrigation, municipal, industrial)		<i>Sand</i>	<i>503'</i>	<i>540'</i>
WELL COMPLETION DATA:		<i>Hard clay w/ sand streak</i>	<i>540'</i>	<i>702'</i>
(1) diameter (inches) <i>6 5/8"</i>		<i>medium sand</i>	<i>702'</i>	<i>775'</i>
(2) total depth (feet) <i>760'</i>		<i>Shale</i>	<i>775'</i>	<i>778'</i>
(3) static water level (feet) <i>102'</i> below top of ground.		<i>Sand</i>	<i>778'</i>	<i>818'</i>
(4) casing <i>Steel</i> , <i>710'</i> (material) (depth)		<i>Sand w/ shale streaks</i>	<i>818'</i>	<i>830'</i>
_____ if telescope see back. (size)				
(5) screen <i>40'</i> , <i>720'</i> (length) (depth to top)				
<i>4"</i> , <i>Stainless Steel</i> (size) (material)				
(6) pump <i>15</i> , <i>150</i> (HP) (yield gpm)				
<i>Electric</i> (type power)				
(7) electric log <i>Yes</i> (yes or no)				
<i>M. G. S.</i> (organization running log)				
(8) how well bottom plugged <i>Back wash valve</i>				
DRILLERS REMARKS:				

JAN 24 1968  
MISS. DEP. OF WATER CONTROL



The box below is for office use only. SWB MDCN

E87

Issued: 09-28-93	Expires: 09-28-03	Fee Paid	X	Permit No. MS6W-13090
Lat. 31°20'46"	Long. 89°23'14"	Elev. 25R		USGS No.
Quad. Hattiesburg SW	Dist.			Basin No. 03170004
STAC				Dam Inv. No.
				Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39289-0631

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

**RECEIVED**

This application is for (circle one): GROUNDWATER SURFACE WATER

NOV 02 1990

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial  
 Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant, Livestock) Standby  
 Fire Protection Flood Protection Other: privately owned water company

**LANDOWNER:**

COUNTRY CLUB LAKE UTILITIES, INC. (SOUTH) 64-0753968  
 (Name) (S/S or Tax ID No.)  
 112 PORTERS CHAPEL ROAD  
 (Address)  
 VICKSBURG, MS 39180 (601) 638-3977  
 (City) (State and Zip) (Telephone Number)

**APPLICANT, AGENT, OR LESSEE** (If different from Landowner):

(Name) (S/S or Tax ID No.)  
 (Address)  
 (City) (State and Zip) (Telephone Number)

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

NW 1/4 of the NE 1/4 of Section 3, Township 4N, Range 14W, County Lamar

**Volume of water diverted/withdrawn** (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):

- (a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute
- (b) .007 million gallons per day at a maximum rate of 150 gallons per minute
- (c) \_\_\_\_\_ acre feet of storage at normal pool
- (d) \_\_\_\_\_ per \_\_\_\_\_ at a maximum rate of \_\_\_\_\_

Construction of proposed work will begin on (date) NA, 19\_\_\_\_ and will be completed by (date) 5, 1968

Water will be used from (month) January to (month) December each year.

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 numbers.  
North Well (Permit Applied For) AD # 180015-02

**SECTION A** (to be completed if application is for surface water source)

- Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_ which drains into \_\_\_\_\_ which drains into \_\_\_\_\_
- Description of pump/diversion works:
  - (a) Pump (size and type): \_\_\_\_\_ Power Unit (size and type): \_\_\_\_\_  
 Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute.
  - (b) Name of storage reservoir: \_\_\_\_\_ Dam height: \_\_\_\_\_ feet.  
 Surface area at normal pool: \_\_\_\_\_ acres. Storage capacity at normal pool: \_\_\_\_\_ acre-feet.

(Continued on back)

**SECTION B** (to be completed if application is for groundwater source)

1. Source of water is \_\_\_\_\_ aquifer.
2. Description of proposed water well:
- (a) DEPTH OF WELL: 760 feet. DRILLER (name): Griner
- (b) SURFACE CASING: Length: 710 feet. Diameter: 6" 7" inches. Type: Steel
- (c) SCREEN: Length: 40' feet. Diameter: 4" inches. Type: Stainless Steel
- (d) PUMP: Type: STARITE. Size: 15 HP. Capacity: 125-150 gallons per minute.  
Number of stages: \_\_\_\_\_ Setting depth: \_\_\_\_\_ feet.
- (e) POWER UNIT: Type: Electrical. Size: 15 horsepower.
- (f) TYPE OF COMPLETION: Back wash valve

**WATER USE DATA:** YOM

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SECTION	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

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

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

3. MUNICIPAL or WATER ASSOCIATION  
Choose "a" or "b". (a) The number of people served is 75. (b) The number of connections/customers is 30  
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years? 6500 1995; 7000 2000; 7500 2005; 8000 2010  
(Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)

4. INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_  
Rate of release \_\_\_\_\_; Location of release point in reference to diversion/withdrawal point \_\_\_\_\_  
\_\_\_\_\_ Explain any change in quality of water to be released: \_\_\_\_\_  
NPDES Permit No. \_\_\_\_\_  
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: \_\_\_\_\_

REMARKS: \_\_\_\_\_

List below the person to be contacted for additional information if required:  
MONTELL T. WATKINS  
(Name)  
112 PORTERS CHAPEL ROAD  
(Address)  
VICKSBURG, MS 39180  
(City, State, Zip)  
(601) 638-3977  
(Telephone)

The accompanying map is hereby declared a part of this application. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.  
Montell T. Watkins  
(Signature)

Subscribed and sworn to before me this 15<sup>th</sup> day of November 1990, at \_\_\_\_\_  
County of Warren. My commission expires \_\_\_\_\_  
Delia K. Foster Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg SW  
Quad.

GPS LOG

USER NAME(S): C.A. Hornbeak DATE: 6/29/94

UNIT DEQ #: 82555 FILE #: C062916C

HEALTH DEPT. #: 180015-01 ELEV. 240

USGS #: 2-14' E87 (Lamar) OLWR #: GW13090

OWNER: City of Hattiesburg

LOCATION: SW-SE 34 5N 14W COUNTY: Furthest Lamar / ON County Line  
NW-NE S 3 T 4N R 14W

LOCATION DESCRIPTION: S. side of J. Ed Turner Rd 5/10 mi west of intersection  
of J Ed Turner Rd + Classic Dr.

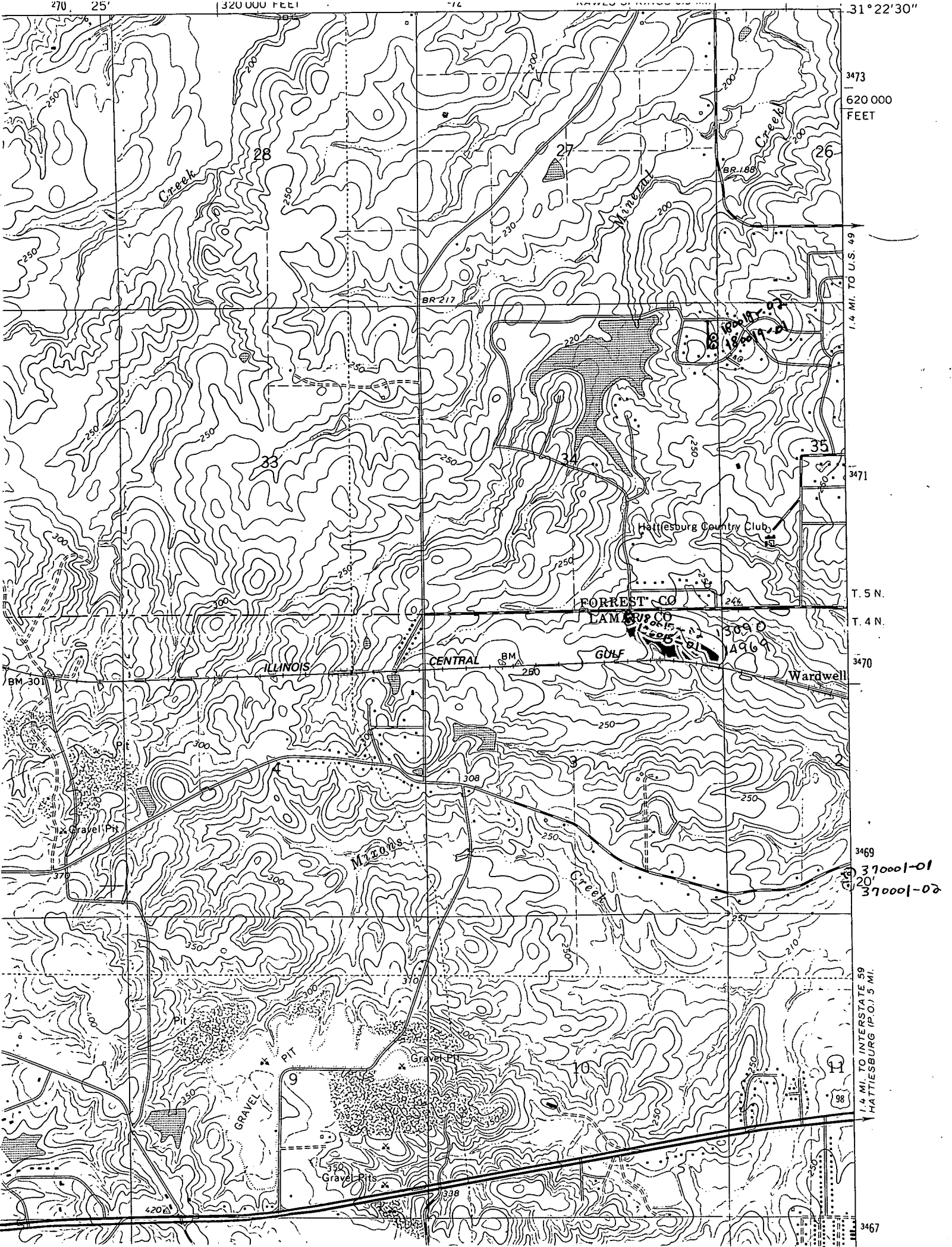
CASING DIA: 6" PUMP TYPE & SIZE: Sub. Pump  
Furthest S of the 2 wells.

GPS FIELD LOCATION: LAT. 31° 20.789 LONG. 89° 23.271

GPS CORRECTED LOCATION: LAT. 31 20 46.432 LONG. 89 23 14.871

REMARKS: GPS at Well.  
31.346231 89.387464

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



270 25'

320 000 FEET

31° 22' 30"

3473  
620 000  
FEET

1.4 MI. TO U.S. 49

3471

T. 5 N.

T. 4 N.

3470

3469

370001-01  
370001-02

1.4 MI. TO INTERSTATE 59  
HATTIESBURG (P.O.) 5 MI.

3467