

WRD Exp. (GW)  
April 1966

Well No. A28

WELL SCHEDULE

E Log # 77

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by J.S. Source of data Point Date 6-14-68 Map Hattiesburg SW

State Mississippi County (or town) Forrest Sequential number: 118

Latitude: 31 22 03 N Longitude: 08 92 30 5 Sequential number: 2

Lat-long accuracy: 3 T. 5 S. R. 14 Sec 34 NE NE B & M

Local well number: A028A 3405N 14W Other number: \_\_\_\_\_

Local use: 184077 Owner or name: Jetco No 3 Well #1

Owner or name: JETCO Address: Hattiesburg, Miss  
City of Hattiesburg

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

Use of (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, \_\_\_\_\_

WATER: (S) Stock, (T) Instit, (U) Unused, (V) Reppure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other \_\_\_\_\_

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

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: \_\_\_\_\_

Log data: E Log 10-808 MSGS DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 750 ft Meas. 3

Depth cased; (first perf.) 710 ft Casing type: Steel; Diam. 6 5/8 in

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

Method: (A) bored, (B) cable, (C) dug, (D) hyd jetted, (E) air rot., (F) reverse, (G) trenching, (H) driven, (I) drive wash, (J) other \_\_\_\_\_

Date Drilled: 9-6-68 Pump intake setting: \_\_\_\_\_ ft

Driller: Griner D. Ig. Serv. address \_\_\_\_\_

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

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

Descrip. MP \_\_\_\_\_ ft above LSD. Alt. MP \_\_\_\_\_

Alt. LSD: 254 Accuracy: (source) TOPO 10' Contour

Water Level 107 ft above MP; Ft below LSD 107 Accuracy: \_\_\_\_\_

Date meas: 6-6-68 Yield: 150 gpm 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<sup>6</sup> Temp. \_\_\_\_\_ °F Date sampled \_\_\_\_\_

Taste, color, etc. \_\_\_\_\_

TRANSMITTED TO ...

Latitude-longitude N  
S  
d m s d m s

HYDROGEOLOGIC CARD

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

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

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

MAJOR AQUIFER: \_\_\_\_\_ system, \_\_\_\_\_ series T M aquifer, formation, group C A

Lithology: U S Origin: 3 Aquifer Thickness: 91 ft

Length of well open to: \_\_\_\_\_ ft 40 Depth to top of: \_\_\_\_\_ ft 686

MINOR AQUIFER: \_\_\_\_\_ system, \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

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

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

Intervals Screened: 4" s.s.

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

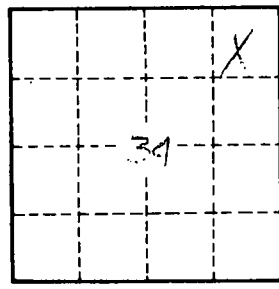
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

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



Well No. A-28

MSGW-13089

CODED  
E LOG #77 CODED

Farrest  
A 28  
6-14-68  
M.G.S.

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

CODED  
CODED  
CODED

WATER WELL DRILLERS LOG

date well completed 6-14 1968 Eriner Drilling Serv. Farrest  
(2 wells) firm name county well located

LANDOWNER: Varied Investment  
Hattiesburg, Miss.  
JETCO. Country Club  
LAKE WINDS  
(mailing address)

description of formations encountered	from	to
<u>Top Soil</u>	<u>0'</u>	<u>10'</u>
<u>Hard Brown clay</u>	<u>10'</u>	<u>110'</u>
<u>Sand w/ small gravel</u>	<u>110'</u>	<u>216'</u>
<u>Shale w/ sand streaks</u>	<u>216'</u>	<u>347'</u>
<u>Sand w/ small gravel</u>	<u>347'</u>	<u>457'</u>
<u>Hard clay w/ sand streaks</u>	<u>457'</u>	<u>686'</u>
<u>Medium sand</u>	<u>686'</u>	<u>777'</u>
<u>Shale w/ sand streaks</u>	<u>777'</u>	<u>800'</u>

WELL LOCATION: NENE  
sec. 34 T. 5 N. R. 14 E  
S W  
Well # 3  
miles of  
(distance) (direction) (nearest town)

WELL PURPOSE: Municipal  
(home, irrigation, municipal, industrial)

- WELL COMPLETION DATA:
- (1) diameter (inches) 6 5/8"
  - (2) total depth (feet) 750'
  - (3) static water level (feet) 107' below above top of ground.
  - (4) casing Steel, 700'  
(material) (depth)  
         if telescope see back.  
(size)
  - (5) screen 40', 710'  
(length) (depth to top)  
4", Stripless Steel  
(size) (material)
  - (6) pump 15, 150  
(HP) (yield gpm)  
Electric  
(type power)
  - (7) electric log Yes  
(yes or no)  
M G S  
(organization running log)
  - (8) how well bottom plugged Back  
wash valve

DRILLERS REMARKS:

CODED

CODED

CODED

JAN 24 1968

MISS. Bd. OF WATER COMMISSIONERS

The box below is for office use only.

SWB MOCN

A28

Issued: <u>09-28-93</u>	Expires: <u>09-28-03</u>	Fee Paid <input checked="" type="checkbox"/>	Permit No. <u>MS6W-13089</u>
Lat. <u>312136</u>	Long. <u>892302</u>	Elev. <u>240</u>	USGS No.
Quad <u>Hattiesburg SW</u>	Dist.		Basin No. <u>03170004</u>
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 FROM THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI



This application is for (circle one) GROUNDWATER SURFACE WATER

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. (NORTH) 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):**

NE 1/4 of the NE 1/4 of Section 34, Township 5N, Range 14W, County Forrest

**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) \_\_\_\_\_, 19\_\_\_\_ and will be completed by (date) 6, 1998

Water will be used from (month) \_\_\_\_\_ to (month) \_\_\_\_\_ 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.  
South well (permit Applied for) HD # 180019-62

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

1. Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_ which drains into \_\_\_\_\_ which drains into \_\_\_\_\_

**2. 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: 750' feet. DRILLER (name): Griners
- (b) SURFACE CASING: Length: 700 feet. Diameter: 6" 7 inches. Type: steel
- (c) SCREEN: Length: 40 feet. Diameter: 4" inches. Type: Stainless Steel
- (d) PUMP: Type: Electric. Size: 15 HP. Capacity: 125-150 gallons per minute.
- Number of stages: \_\_\_\_\_ Setting depth: \_\_\_\_\_ feet.
- (e) POWER UNIT: Type: Electric. Size: 15 horsepower.
- (f) TYPE OF COMPLETION: Back wash valve

**WATER USE DATA:**

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	SEC-TION	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 19 90, at \_\_\_\_\_

County of Warren My commission expires Jan. 5, 1992  
Debra 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 #: C062916A

HEALTH DEPT. #: 180019-01 ELEV. 240

USGS #: A28 OLWR #: GW13089

OWNER: City of Hattiesburg

LOCATION: NE-NE-NEs 34 T5N R14W COUNTY: Forrest

LOCATION DESCRIPTION: On Dirt Rd. 1/10 mi S of Lake Est. Rd. 1/10 mi. W  
of intersection of Lake Est Rd & Fair Lake Rd.

CASING DIA: 6" PUMP TYPE & SIZE: Sub. Pump  
well is S of Tank

GPS FIELD LOCATION: LAT. 31° 21.551 LONG. 89° 22.945

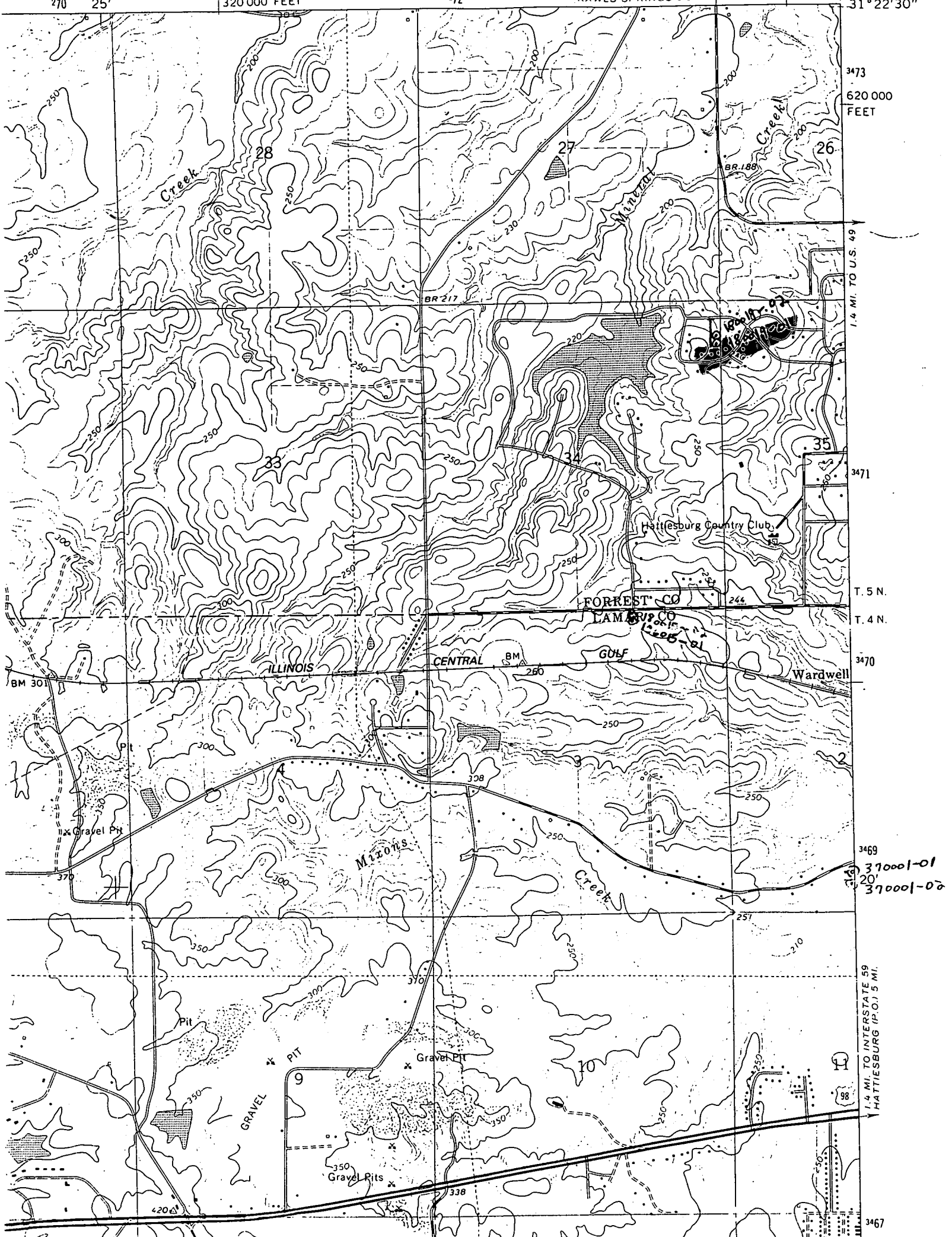
GPS CORRECTED LOCATION: LAT. 31 21 33.300 LONG. 89 22 59.891  
31.359250 89.383303

REMARKS: GPS at well.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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  
20  
370001-00

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

3467