

GW14732  
DOH # 170012-01

FORM 9-1642  
(1-68)

Well No. D 32

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED

MASTER CARD

Record by J. A. Callahan Source of data Dr. M. Wilson Date 5/26/72 Mar. OLIVE BRANCH 30B

State: 15 28 County (or town) DeSoto

Latitude: 34 58 20 N Longitude: 0 89 50 40 W Sequential number: 1

Lat-long accuracy: 3 T. 1 0 S. R. 6 E. Sec. 28 NW SE, SW, NW

Local well number: 0 032 C B 28 0 15 06 W Other number: B & M

Local use: \_\_\_\_\_ Owner or name: Maynard Dr.

DEC 9 1974

owner or name: DESOTO WATER CO. Address: Hugh H. Armistead

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

Use of Air cond, Bottling, Comm. Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, water: \_\_\_\_\_

10/31/89  
115.56  
128.32

Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P Not Renewed

Use of well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, 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: \_\_\_\_\_ SPRT

WELL-DESCRIPTION CARD

WL Data

SAME AS ON MASTER CARD Depth well: \_\_\_\_\_ ft 220 Meas. 3

Depth cased: \_\_\_\_\_ ft 170 Casing type: \_\_\_\_\_; Diam. 6 in

Finish: porous gravel w. concret. (perf.), gravel w. (screen), horiz. open gallery, end, other G

Method Drilled: air bored, cable, dug, hyd jetted, air percussion, rotary, reverse trenching, driven, drive wash, other H

Date Drilled: 5/9/71 Pump intake setting: \_\_\_\_\_ ft

Driller: Robt. W. Wilson

Lift (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submerg, turb, other S Deep  Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 20 Trans. or meter no. V

Descrip. MP 375 ft above LSD, Alt. MP \_\_\_\_\_

Alt. LSD: \_\_\_\_\_ Accuracy: \_\_\_\_\_

Water Level \_\_\_\_\_ ft above MP; Ft. below LSD 80 Accuracy: \_\_\_\_\_

Date meas.: \_\_\_\_\_ Yield: 300 gpm 300 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. \_\_\_\_\_

11/18/80  
WL MD 125.52  
MD - top of base 1.7 LSD  
WL LSD 123.82  
360  
124  
236  
11/30/88  
WL = 127.95

Well No.

D 32

15' of head

D32

Well No. \_\_\_\_\_  
Latitude-longitude \_\_\_\_\_

HYDROGEOLOGIC CARD

1 SAME AS ON MASTER CARD 19 Physiographic Province: \_\_\_\_\_ 20 21 Section: \_\_\_\_\_

22 Drainage Basin: D 23 25 Subbasin: 15E 26

Topo of well site: (D) (C) (E) (F) (H) (K) (L) \_\_\_\_\_  
(0) (P) (S) (T) (U) (V) \_\_\_\_\_  
offshore, pediment, hillside, terrace, undulating, valley flat 27

MAJOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series TE 28 29 aquifer, formation, group SS mw 30 31

Lithology: \_\_\_\_\_ 32 33 Origin: \_\_\_\_\_ 34 Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft 35 37 50 Depth to top of: \_\_\_\_\_ ft 38 40 41 43

MINOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series \_\_\_\_\_ 44 45 aquifer, formation, group \_\_\_\_\_ 46 47

Lithology: \_\_\_\_\_ 48 49 Origin: \_\_\_\_\_ 50 Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft 51 53 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

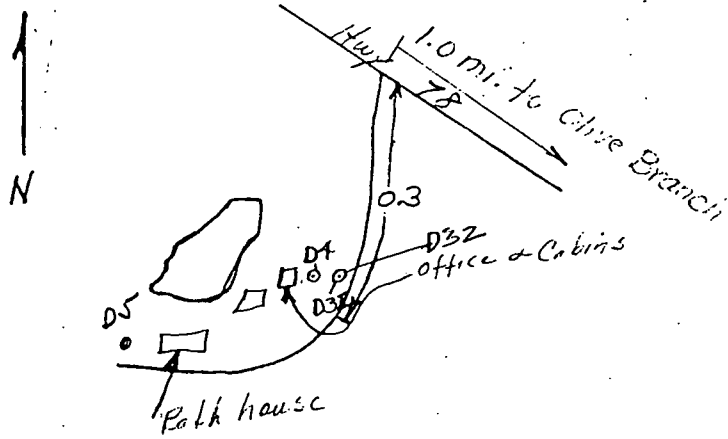
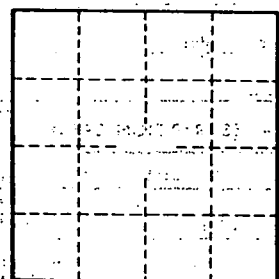
Surficial material: \_\_\_\_\_ 70 71 Infiltration characteristics: \_\_\_\_\_ 72

Coefficient Trans: \_\_\_\_\_ gpd/ft 73 75 Coefficient Storage: \_\_\_\_\_ 76 78

Coefficient Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_ 79

at tank aerator <sup>to</sup> 50' south of existing wells

See Well D5 for location



Well No.

D32

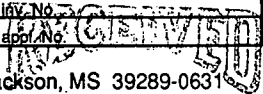


The box below is for office use only.

*SPRT*

Issued: <u>12-14-93</u>	Expires: <u>12-14-2003</u>	Fee Paid <input checked="" type="checkbox"/>	Permit No. <u>GW-14732</u>
Lat. <u>34-58-19</u>	Long. <u>89-50-50</u>	Elev. <u>370</u>	USGS No. <u>D32</u>
Quad <u>Olive Branch</u>	Dist.		Basin No. <u>08010211</u>
STAC			Dam Inv. No.
			Dam app. 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

Mississippi Department of Environmental Quality  
Office of Land & Water Resources

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: PRIVATE WATER CO

LANDOWNER: ~~XXXXXXXXXXXX~~  
HUGH H. ARMISTEAD 587-32-3697  
 (Name) (S/S or Tax ID No.)

P.O. Box 609  
 (Address)  
Olive Branch MS 38654 (601) 895-4844  
 (City) (State and Zip) (Telephone Number)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):  
City of Olive Branch  
City of Olive Branch  
 (Name) (S/S or Tax ID No.)

Olive Branch  
 (Address)  
Olive Branch MS 38654 (601) 895-4000  
 (City) (State and Zip) (Telephone Number)

Location of diversion/withdrawal point (A suitable location map must accompany this application):  
SW 1/4 of the NW 1/4 of Section 28, Township 1S, Range 6W, County DeSoto

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) .2 million gallons per day at a maximum rate of 250 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) \_\_\_\_\_, 19\_\_\_\_.

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.

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

- Source of water is from NA which drains into \_\_\_\_\_ which drains into \_\_\_\_\_ which drains into \_\_\_\_\_
- Description of pump/diversion works:
  - Pump (size and type): \_\_\_\_\_ Power Unit (size and type): \_\_\_\_\_  
 Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute.
  - 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 SPRT aquifer.
2. Description of proposed water well:  
 (a) DEPTH OF WELL: 220 feet. DRILLER (name): Wilson Well Co., Whiteville, TN  
 (b) SURFACE CASING: Length: 170 feet. Diameter: 6" inches. Type: \_\_\_\_\_  
 (c) SCREEN: Length: 50 feet. Diameter: 4" inches. Type: \_\_\_\_\_  
 (d) PUMP: Type: \_\_\_\_\_ Size: \_\_\_\_\_ Capacity: 250 gallons per minute.  
 Number of stages: \_\_\_\_\_ Setting depth: \_\_\_\_\_ feet.  
 (e) POWER UNIT: Type: \_\_\_\_\_ Size: \_\_\_\_\_ horsepower.  
 (f) TYPE OF COMPLETION: \_\_\_\_\_

**WATER USE DATA:**

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	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**

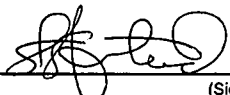
Choose "a" or "b". (a) The number of people served is \_\_\_\_\_. (b) The number of connections/customers is \_\_\_\_\_.  
 What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years?  
 (Volume) (Year) (Volume) (Year) (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: will be only pool after 4/94 but now is used by City of Olive Branch until they get new well in service.

List below the person to be contacted for additional information if required:  
Hugh H. Armistead  
 (Name)  
Po Box 609  
 (Address)  
Olive Branch, MS 38654  
 (City, State, Zip)  
601-895-4844  
 (Telephone)

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

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, at \_\_\_\_\_  
 County of \_\_\_\_\_, My commission expires \_\_\_\_\_, Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG ✓

USER NAME(S): SHB + DEG LAR/DAB DATE: 7-24-96  
7/27/96  
UNIT DEQ #: 84080 FILE #: 60-72719B  
HEALTH DEPT. #: 170012-01 ELEV. 8072421A  
380  
USGS #: D32 OLWR #: BW1473a

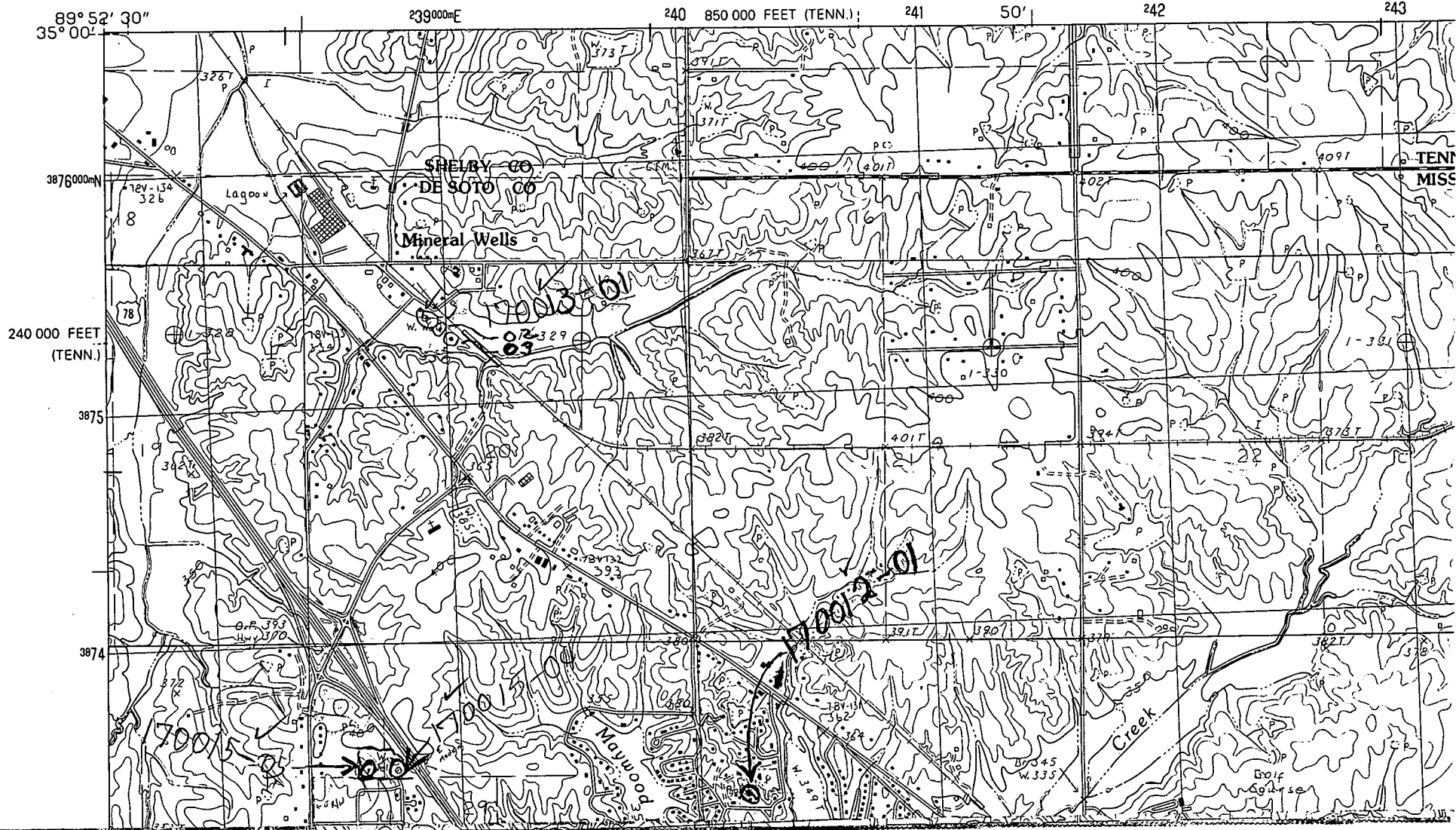
OWNER: North ms utilities - Maywood  
LOCATION: SE/SW/NW S 28 T 15 R 6W COUNTY: DE SOTO  
LOCATION DESCRIPTION: Obive Branch Quad  
30' NORTH of Rd. and 50' EAST of  
Swimming Pool -

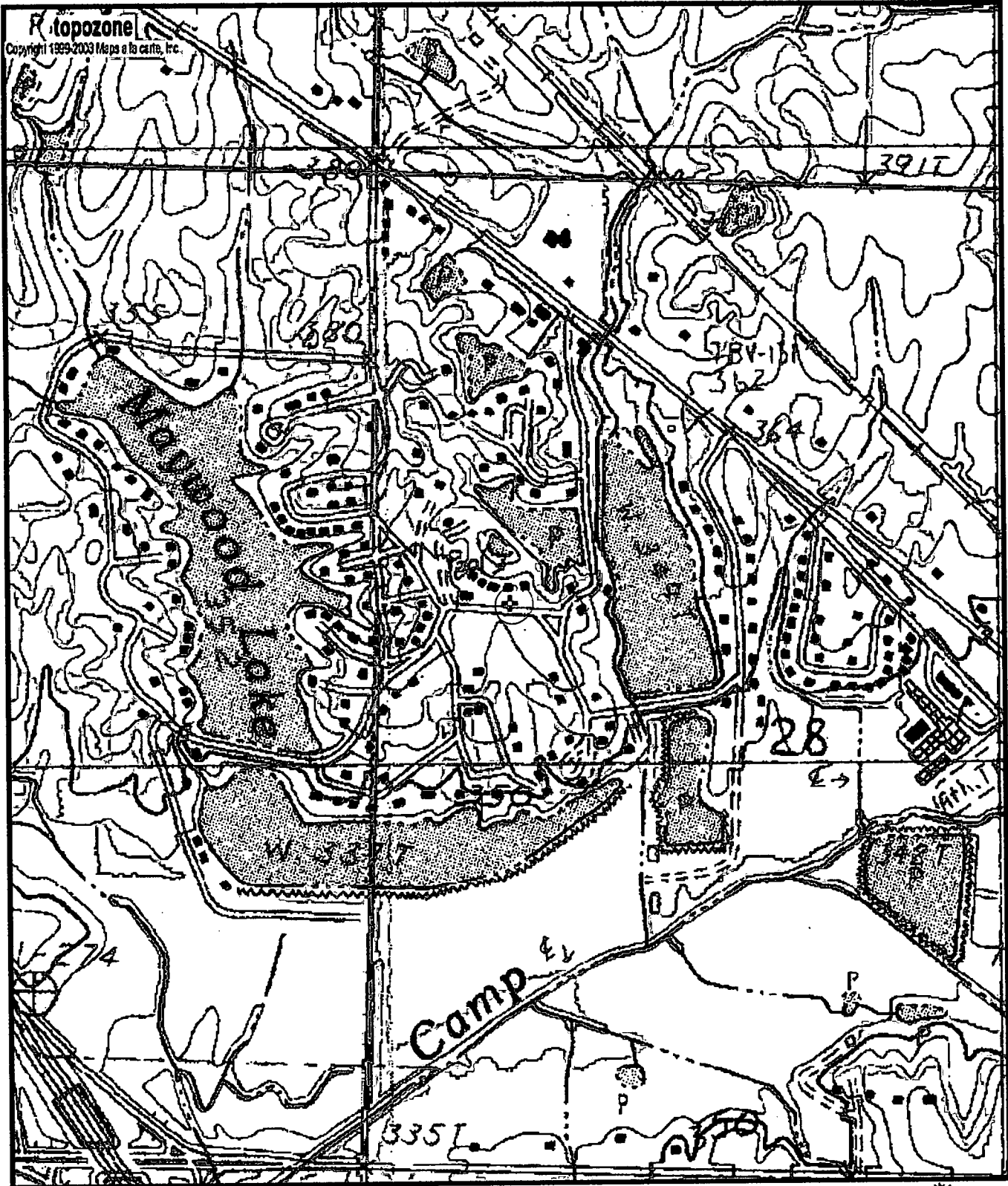
CASING DIA: 4" PUMP TYPE & SIZE: SUBMERSIBLE  
GPS FIELD LOCATION: LAT. ~~34.582244~~ LONG. ~~89.507330~~  
34° 58' 14.5" 89° 50' 45.1"  
GPS CORRECTED LOCATION: LAT. 34.97058218 LONG. 89.84576980

REMARKS: HWY 78 TAKE NEW CRAFT Rd EAST TO Hwy 178  
SOUTH ON HWY 178 APPROX 2.25 MI. TO  
MAYWOOD Rd. TURN RIGHT. 3 MI. TO WELL  
ON RIGHT BY TANK of SWIMMING

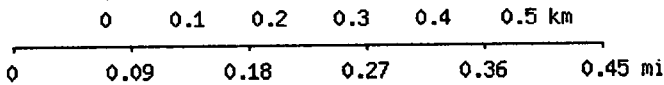
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY





0170012-01  
 GW14732  
 D32



Map center is 34° 58' 14"N, 89° 50' 45"W (WGS84/NAD83)  
**Olive Branch** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

M  
 G  
 M=-0.137  
 G=-1.632