

GW01667
up-dated.
for pumping 9/76

DOI # 170015-04

JUN 18 1976

FORM 9-1642
(1-68)

Well No. D 57
Elog # 28

PUMPED
UNCHANGED

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

MASTER CARD
Record by Q Source of data Bow USGS-Tenn. Date 9.20.76 Map Obs well Olive Branch
State MS County De Soto (or town) 28 Sequential number: 17

Latitude: 34° 58' 35" N Longitude: 08° 45' 12" W
Lat-long accuracy: 2 T 1 S R 6 Sec 29, NE 4, NW, SE, NE, SW, NW
Local well number: D 057 B 290 S 06W Other number: Well # 2 (east)

Local use: 009028 Owner or name: EASTOVER SUB Address: Olive Branch, Ms.
Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist 8/4/81 N

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other SB U
Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. U

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.
Hyd. lab. data:
Qual. water data; type:
Freq. sampling: Pumpage inventory: no. period:
Future cards: SPRT yes no
Log data: Elog 1-565 D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 470 ft Meas. 3
Depth cased: 410 ft Casing type: 2 Diam. 2 in

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

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

Date Drilled: 10-23-74 975 Pump intake setting: 40 ft

Driller: CARLOSS name address 40 Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 40 Trans. or meter no. 399 387

Descr. MP 399 387 ft above below LSD, Alt. MP 400 Accuracy: Eng 3

Water Level: 146 ft above below MP; 276 ft above below LSD Accuracy: D
Date meas: 276 Yield: 500 gpm Method determined 500

Drawdown: 276 ft Accuracy: 500 Pumping period: 500 hrs

QUALITY OF WATER DATA: Iron 500 ppm Sulfate 500 ppm Chloride 500 ppm Hard. 500 ppm
Sp. Conduct 500 K x 10⁶ Temp. 500 °F Date sampled 500

Taste, color, etc. 500

11/12/82
WL = 171.1905
15195
1.60
150.35

Well No. _____

Latitude-longitude _____
d m s N S

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: _____

Drainage Basin: D Subbasin: _____

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

MAJOR AQUIFER: system _____ series TIE aquifer, formation, group T:A

Lithology: S Origin: 3 Aquifer Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: 370 ft

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: _____

Depth to consolidated rock: _____ ft Source of data: _____

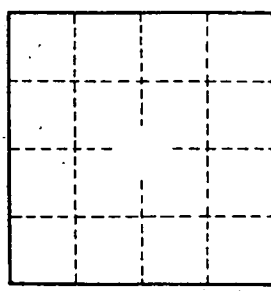
Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft² Coefficient Storage: _____

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

See location on D58



Well No. _____

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

RECEIVED

AUG 23 1995

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5802

Dept. of Environmental Quality
Office of Land & Water Resources

This box is for office use only.

10-10-95 AGN.

FORM OF WR-AP-2714

Issued: <u>2-25-86</u>	Expires: <u>2-25-2006</u>	Fee Paid:	Permit No.
Lat.	Long.	Elev.	USGS No.
Quad.	ASCS Farm No.	STAC.	MSDOH No.
Aquifer:	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** RENEWAL - PERMIT NO. 05-GW-0000

THIS APPLICATION IS FOR (Circle one): **GROUNDWATER** - COMPLETE A,B,E 1667

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: S/B

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: CITY OF OLIVE BRANCH 64-6001544
(Name) (SSN or Tax ID No.)
9189 PIGEON ROOST AVE
(Address)
OLIVE BRANCH MISS 38654 (601) 895 - 3166
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):
SAME
(Name) (SSN or Tax ID No.)
(Address)
(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
SW 1/4 of the NW 1/4 of Section 29, Township 1S, Range 6W, County DeSoto

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: MEMPHIS SPARTA MISSISSIPPI DEPARTMENT OF HEALTH NO.: _____
2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____
If well has already been drilled, when was well completed (date)? Feb., 19 76 Under whose name was well originally drilled (if known)? OLIVE BRANCH
3. Description of proposed or completed well:
(a) DEPTH OF WELL: 400 feet. DRILLER: Carloss Well Co., Memphis, TN.
(b) SURFACE CASING: Length _____ feet; Diameter 12 inches; Type Steel
(c) SCREEN: Length 60 feet; Diameter 6 inches; Type Stainless Steel
(d) PUMP: Type _____; Size _____; Capacity 500 gallons per minute; Setting depth _____ feet
(e) POWER UNIT: Type Elec.; Size 25 horsepower

4. PERMITTED VOLUME:
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) 0.500 million gallons per day at a maximum rate of 500 gallons per minute

0.0 (CONTINUED ON BACK) 500

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. Description of pumping/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 Sorghum _____; 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 0 or (b) The number of connections is 0
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?

<u>.180</u>	<u>2000</u>	<u>.180</u>	<u>2005</u>	<u>.180</u>	<u>2010</u>	<u>.180</u>	<u>2015</u>
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(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: this well is not in use at this time

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

JOSEPH F. LAUDERDALE P.E.

 (Name)
 9123 Pigeon Roost

 (Address)
 OLIVE BRANCH, MISS. 38654

 (City, State, Zip)
 601-895-0422

 (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.

Joseph F. Lauderdale

 (Signature)

Subscribed and sworn to before me this 14th day of August, 1995, at Olive Branch County of DeSoto
 My commission expires My Commission Expires April 13 1990 Joseph Harris Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): SHB + PEG ERR/DK DATE: 7-24-96
7/27/94
UNIT DEQ #: 84090 FILE #: 15072718D
HEALTH DEPT. #: 170015-04 ELEV. 80724198
380
USGS #: D57 OLWR #: GW1667
OWNER: CITY OF OLIVE BRANCH
LOCATION: NE/SW/NW S 29 T 15 R 6W COUNTY: DESO
LOCATION DESCRIPTION: Olive Branch Quad

CASING DIA: 16" PUMP TYPE & SIZE: TURBINE 40 HP
GPS FIELD LOCATION: LAT. 34.58315N LONG. 89.51713W
34° 58' 17.0" 89° 51' 38.3"
GPS CORRECTED LOCATION: LAT. 34.97188337 LONG. 89.86151574
REMARKS: N/E CORNER EASTOVER SID. 100' EAST of
HWY 78 E. 25 MI. NORTH of GOODMAN RD.

THIS WELL IS DUMPING M.D.
NOT IN SERVICE.

SHELBY CO
DE SOTO CO

Mineral Wells

TEN
MIS

07-329
07-330

3826

4017

3767

07-331
07-332

07-333
07-334

3927

3907

Maplewood Lake
W. 337

Camp

Creek

Olive Branch

07-335
07-336

07-337
07-338
07-339

316

388

405

305

374

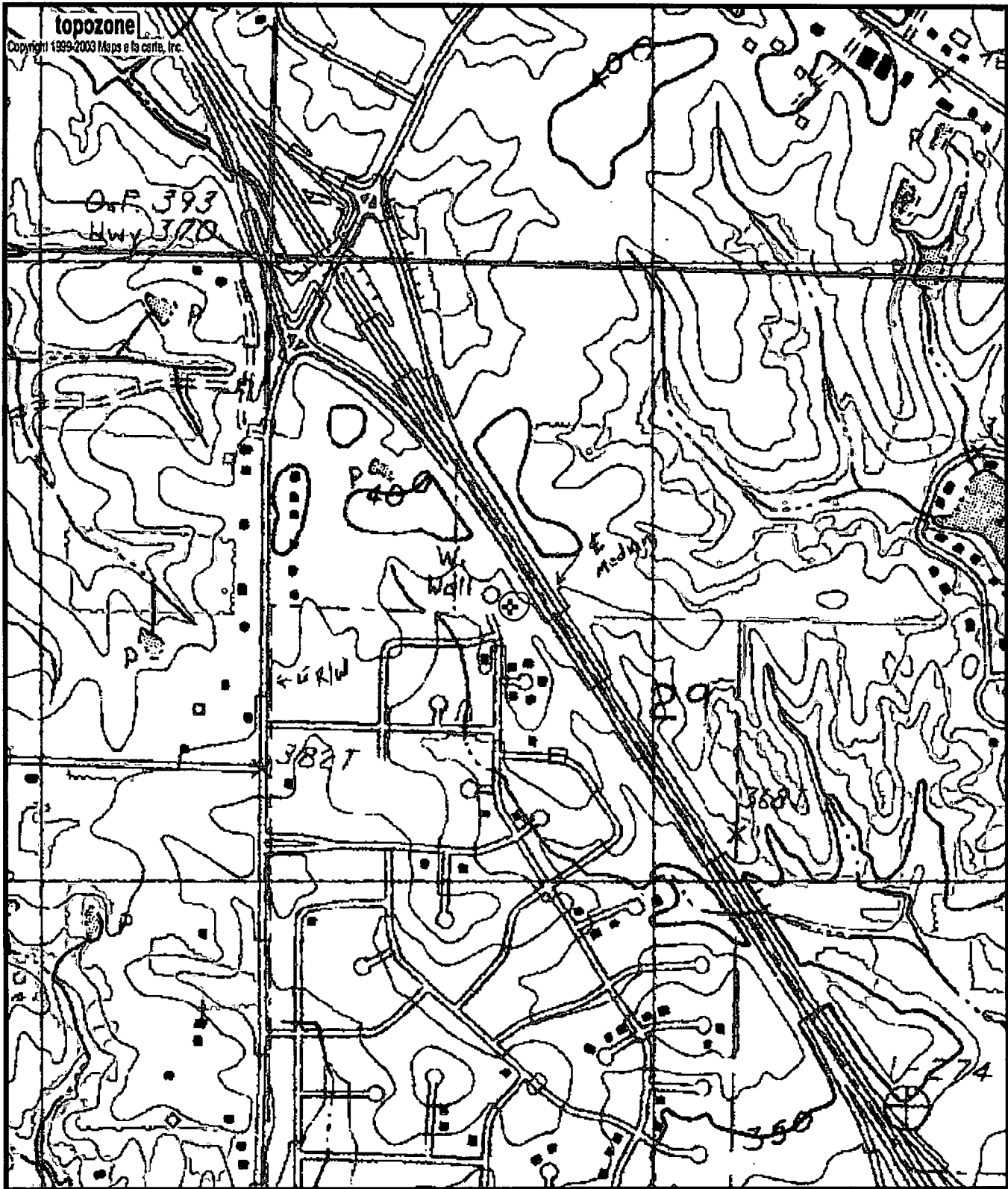
316
W. 291

OLIVE

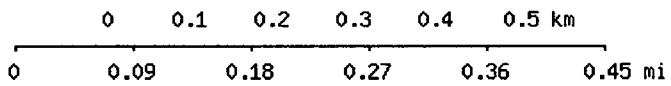
BRANCH

CORPORATE

305



0170015-04
 G6001667
 D57



Map center is 34° 58' 19"N, 89° 51' 41"W (WGS84/NAD83)
Olive Branch quadrangle
 Projection is UTM Zone 16 NAD83 Datum

