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U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No.  
County DESOTO  
Agency

Well No. 479

WELL RECORD

Olive Branch Quad

Agency Code: U S I G S      Site Id: 13454101108914951011      Project No.: 54

Station Name: 12 LEWISBURG WIA      Latitude: 9 34 54 10 11      Longitude: 10 08 14 19 15 11

Lat/Long Ac.: 11 S F T M      Dist: 6=28      State: 7=28      County: 8 0331      Land Net: 13 NE NE 1/4 S 21 T 10 R 10 S 1 R 10 6 W

Location Map: 14 OLIVE BRANCH      Altitude: 16 352      Met/Meas: 17 A L M      Accuracy: 18 15      Hydrologic Unit: 20 08031021014

Agency Use: 803 A I O      Date Inventoried: 7 11      Station Type:      Data Type: 804

Instr.: 805      Remarks:      Relia.: 3 C L M U      2 W X

Date of Construction: 21 04 / 10 5 / 11 9 8 4      Well Use: 23 W      Water Use: 24 P I      Primary Aquifer: 714 24 S P I T I      Hole Depth: 27

Well Depth: 28 13 31      Water Level: 30 17 10      Water Level Date: 31 04 / 10 5 / 11 9 8 4      Method: 34      Status: 37      Source: 33 D

CONSTRUCTION DATA

Construction Date: 60 04 / 10 5 / 11 9 8 4      Contractor: 63 11 251      Name: R. Wilson      Method: 65 H      Finish: 66 G

CONSTRUCTION CASING DATA

Top/Casing: 77 10      Bot/Casing: 78 13 01      Diameter: 79 16

Top/Casing: 77 12 4 9      Bot/Casing: 78 13 01      Diameter: 79 14

52' lap

CONSTRUCTION OPENINGS DATA

Top/Depth: 83 13 01      Bot/Depth: 84 13 31      Diameter: 87 14      Type: 85 S      Length: 89      Width: 88 10 20

Top/Depth: 83      Bot/Depth: 84      Diameter: 87      Type: 85      Length: 89      Width: 88

CONSTRUCTION LIFT DATA

Power: 45 E      H.P: 46 12 10      Serial No.: 49      Lift Type: 43 S      Date: 38 04 / 10 5 / 11 9 8 4      Intake: 44      303 @ 11"

MISCELLANEOUS OWNER DATA

Date of Ownership: 159 04 / 10 5 / 11 9 8 4      Owner Name: 161 LEWISBURG WIA

MISCELLANEOUS OTHER ID DATA

E-Log No.: 190      Assigner: 191 M I S S I D I S T

MISCELLANEOUS QW DATA

| R   | T | Well # | Date of Measurement    | Aquifer Sampled        | Temp      | Value                  |
|-----|---|--------|------------------------|------------------------|-----------|------------------------|
| 192 | A | 738#1  | 1934 / / / / / / / / * | 195# / / / / / / / / * | 196#00010 | 197# / / / / / / / / * |
| 192 | A | 738#2  | 1934 / / / / / / / / * | 195# / / / / / / / / * | 196#00095 | 197# / / / / / / / / * |
| 192 | A | 738#3  | 1934 / / / / / / / / * | 195# / / / / / / / / * | 196#00400 | 197# / / / / / / / / * |

MISCELLANEOUS LOGS DATA

| R   | T | Well # | Log Type | Req. Depth             | End Depth              |
|-----|---|--------|----------|------------------------|------------------------|
| 198 | A | 739#1  | 199# / * | 200# / / / / / / / / * | 201# / / / / / / / / * |
| 198 | A | 739#1  | 199# / * | 200# / / / / / / / / * | 201# / / / / / / / / * |

MISCELLANEOUS NETWORK DATA

| R   | T | Well # | Req. Year              | End Year               | Agency Source                  | Freq.                  |
|-----|---|--------|------------------------|------------------------|--------------------------------|------------------------|
| 114 | A | 730#1  | 115# / / / / / / / / * | 116# / / / / / / / / * | 120=A / 117# / / / / / / / / * | 118# / / / / / / / / * |
| 121 | A | 730#2  | 115# / / / / / / / / * | 116# / / / / / / / / * | 117# / / / / / / / / *         | 118# / / / / / / / / * |

MISCELLANEOUS REMARKS DATA

| R   | T | Well # | Date of Remarks        | Remarks                |
|-----|---|--------|------------------------|------------------------|
| 183 | A | 311#1  | 184# / / / / / / / / * | 185# / / / / / / / / * |

DISCHARGE DATA

| R   | T | Pump/Flow | Well # | Date                       | Type    | Discharge       | Sp. Capacity           |
|-----|---|-----------|--------|----------------------------|---------|-----------------|------------------------|
| 146 | A |           | 147#1  | 148#014 / 105 / 119 / 84 * | 703#(P) | 150# / 3103 / * | 272# / / / / / / / / * |

GEOHYDROLOGIC DATA

| R  | T | Well # | Depth Top             | Depth Bot.            | Unit Id                |
|----|---|--------|-----------------------|-----------------------|------------------------|
| 90 | A | 721#1  | 91# / / / / / / / / * | 92# / / / / / / / / * | 93# / 124SPIRT / 304=P |

HYDRAULIC DATA

| R  | T | Well # | Unit Tested                                   |
|----|---|--------|---|
| 98 | A | 790#1  | 100# / / / / / / / / * 103# / / / / / / / / * |

Well# 3 (1984)

**RECEIVED**

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

**MAR 19 1996**

**DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES**

P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-8202

Mississippi Department of Environmental Quality  
Office of Land & Water Resources  
FORM OLWR-AP-2 (REV. 9/94)

This box is for office use only.

6-25-96 AGN

|                           |                          |                  |              |
|---------------------------|--------------------------|------------------|--------------|
| Issued: <u>7-8-86</u>     | Expires: <u>7-8-2006</u> | Fee Paid:        | Permit No.   |
| Lat. <u>34-54-04</u>      | Long. <u>89-49-50</u>    | Elev. <u>350</u> | USGS No.     |
| Quad. <u>Olive Branch</u> | ASCS Farm No.            | STAC.            | MSDOH No.    |
| Aquifer: <u>SPR</u>       | Tract No.                |                  | Basin No.    |
| Remarks:                  |                          |                  | Dam Inv. No. |

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** RENEWAL - PERMIT NO. 02870

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: LEWISBURG WATER ASSOCIATION 64-0436072  
(Name) (SSN or Tax ID No.)  
9388 STEWART ROAD  
(Address)  
OLIVE BRANCH MS 38654 (601) 895 - 6022  
(City) (State & Zip) (Telephone No.)

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

(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):

NE 1/4 of the NE 1/4 of Section 21, Township 2 S, Range 6 W, 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: \_\_\_\_\_ MISSISSIPPI DEPARTMENT OF HEALTH NO.: 170011

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.  
If well has already been drilled, when was well completed (date)? APRIL 3, 19 84. Under whose name was well originally drilled (if known)? \_\_\_\_\_

3. Description of proposed or completed well:  
(a) DEPTH OF WELL: 338 feet. DRILLER: WILSON WELL COMPANY  
(b) SURFACE CASING: Length 301 feet; Diameter \_\_\_\_\_ inches; Type PVC  
(c) SCREEN: Length 30 feet; Diameter 4 inches; Type STAINLESS STEEL  
(d) PUMP: Type SUBMERGE; Size 20 HP; Capacity 250 gallons per minute; Setting depth 140 feet  
(e) POWER UNIT: Type \_\_\_\_\_; Size \_\_\_\_\_ horsepower

4. PERMITTED VOLUME :  
(a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute  
594 million gallons per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK)

*MAP SENT*

*069*

*250*

**SECTION C** (to be completed for SURFACE WATER SOURCE)

- Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_  
which drains into \_\_\_\_\_ (major stream or river)
- Description of pump/diversion works:  
Pump (size & type): \_\_\_\_\_ Power Unit (size & type): \_\_\_\_\_  
Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute
- \_\_\_\_\_ 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)

- Name of storage reservoir: \_\_\_\_\_ Dam Height: \_\_\_\_\_ feet
- 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)**

- 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. \_\_\_\_\_

- FISH CULTURE:** Explain how water will be used: \_\_\_\_\_  
How often will reservoir (s) be emptied and refilled? \_\_\_\_\_
- MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**  
Chose "a" or "b". (a) The number of people served is \_\_\_\_\_ or (b) The number of connections is 735  
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>108,000</u> | <u>2000</u> | <u>113,000</u> | <u>2005</u> | <u>116,000</u> | <u>2010</u> | <u>122,000</u> | <u>2015</u> |
| (Volume)       | (Year)      | (Volume)       | (Year)      | (Volume)       | (Year)      | (Volume)       | (Year)      |

- 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? \_\_\_\_\_

- RECREATION:** Explain how water will be used: \_\_\_\_\_

- OTHER USE:** Explain in detail (if needed, attach another page): \_\_\_\_\_

- REMARKS:** \_\_\_\_\_

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

BILL J ROBERSON  
(Name)  
P O BOX 362  
(Address)  
HERNANDO MS 38632  
(City, State, Zip)  
601-429-9509  
(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.

*Bill J Roberson*  
(Signature)

Subscribed and sworn to before me this 14<sup>th</sup> day of March, 1996, at Hernando County of Mississippi  
My commission expires March 28, 1996: Thomas Robert Allen Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

5HB + PEG  
7-24-96  
USER NAME(S): LAK / DRB DATE: 7/26/94  
UNIT DEQ #: 84090 FILE #: B072615A  
HEALTH DEPT. #: 170011-02 ELEV. 8072423C  
300  
USGS #: 468 H79 OLWR #: MS-GW-02870  
OWNER: LEWISBURG WATER ASSOC.  
LOCATION: SE/NE/NE S 21 T 25 R 6W COUNTY: De Soto  
Olive Branch Quad.  
LOCATION DESCRIPTION: INSIDE WATER PLANT YARD AT SOUTH  
END 50' WEST OF HWY 305  
CASING DIA: 8" PUMP TYPE & SIZE: Sub/  
GPS FIELD LOCATION: LAT. 34.54082 N LONG. 89.49833 W  
34°54'04.1" 89°49'51.6"  
GPS CORRECTED LOCATION: LAT. 34.90083950 LONG. 89.83066173  
REMARKS: See #1 for Location

SEE PAGE 40

T-2-S

7000E

R-6-W

8000E

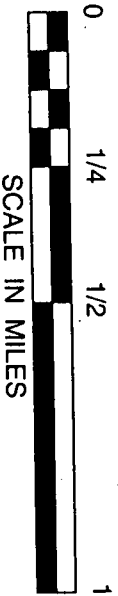
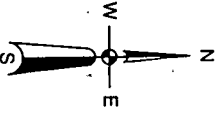
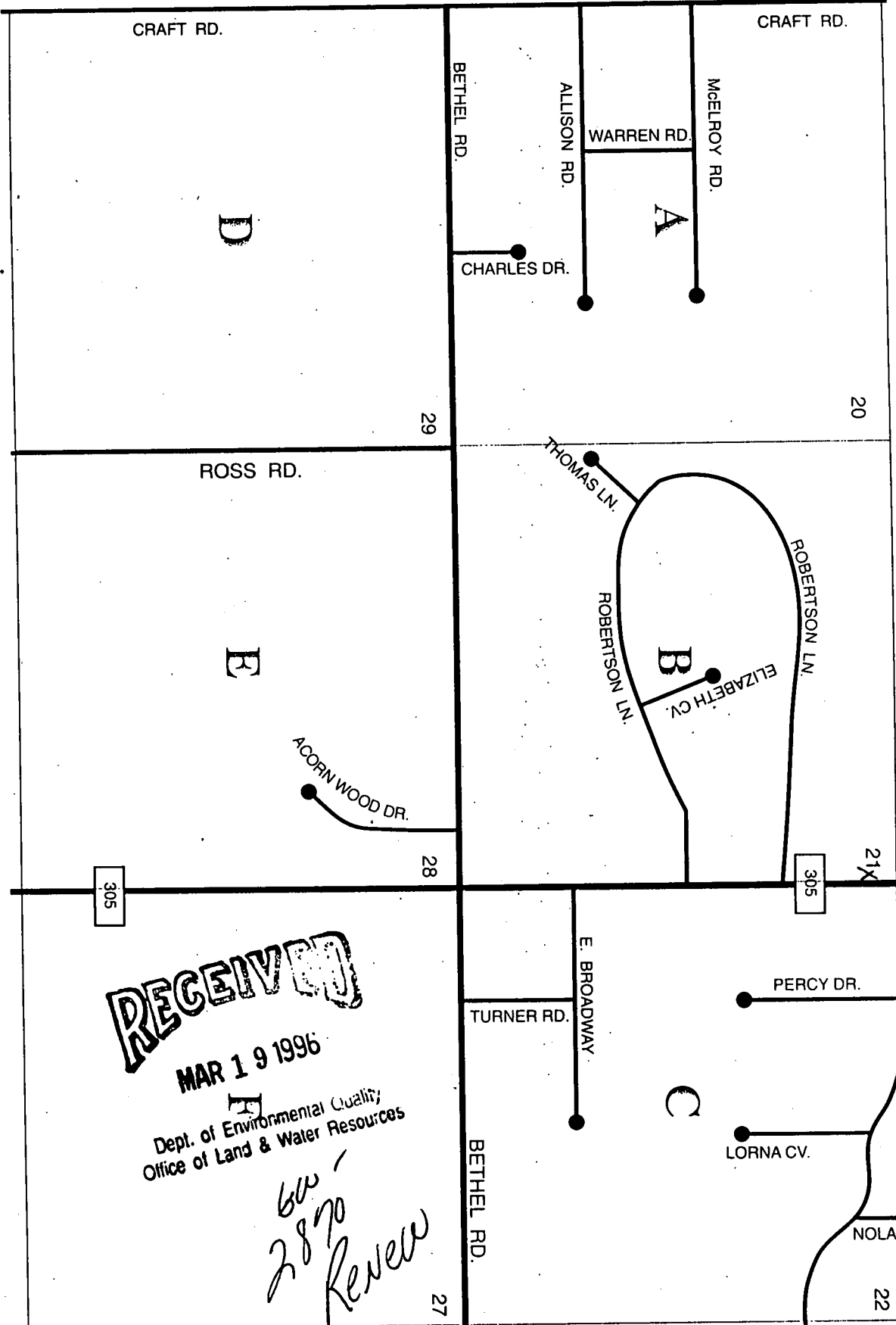
SEE PAGE 30

9000E

WOOLSEY RD.

10000E

3000N



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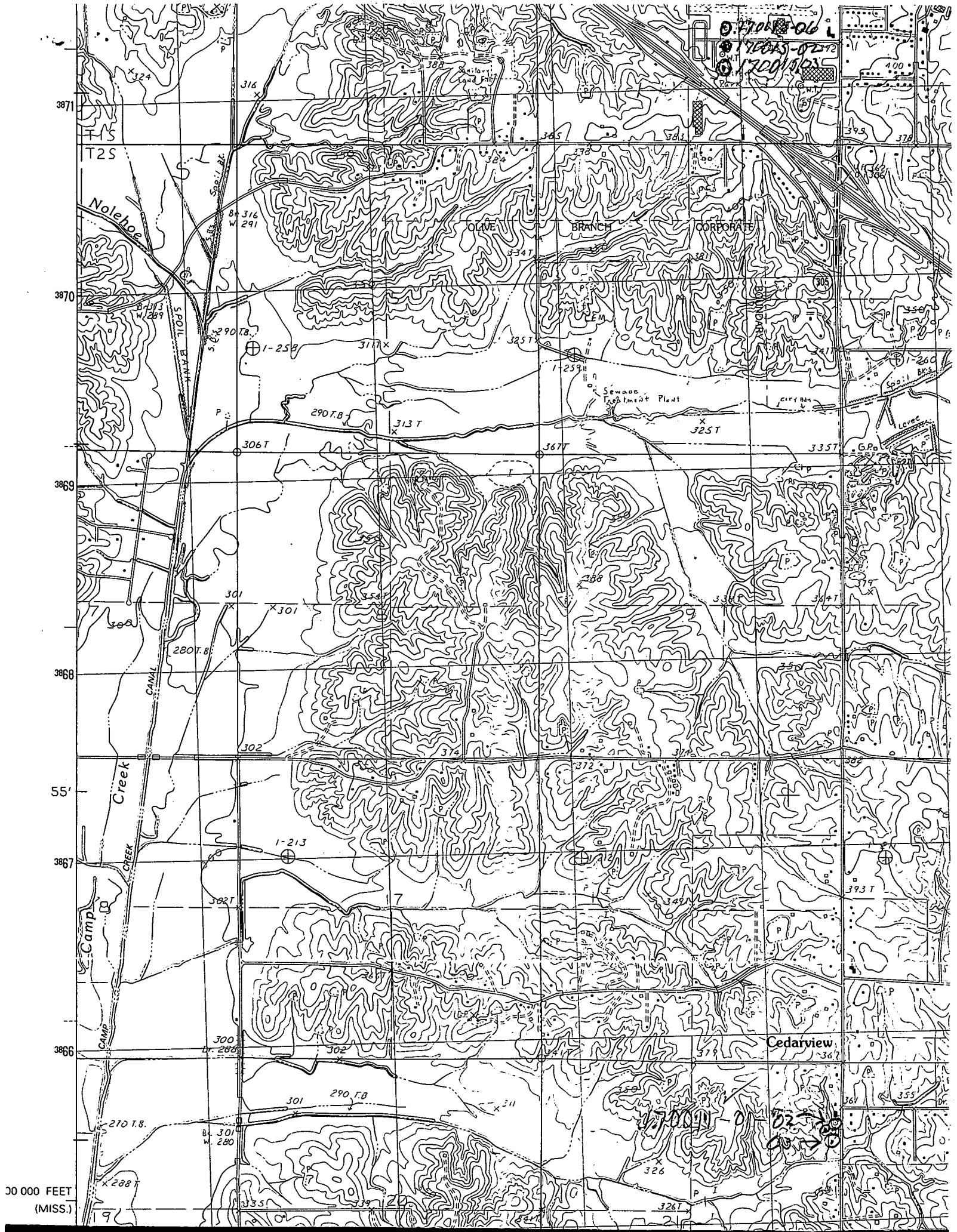
© 1995 MI-DA Map Book of Desoto County

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2000N

1000N

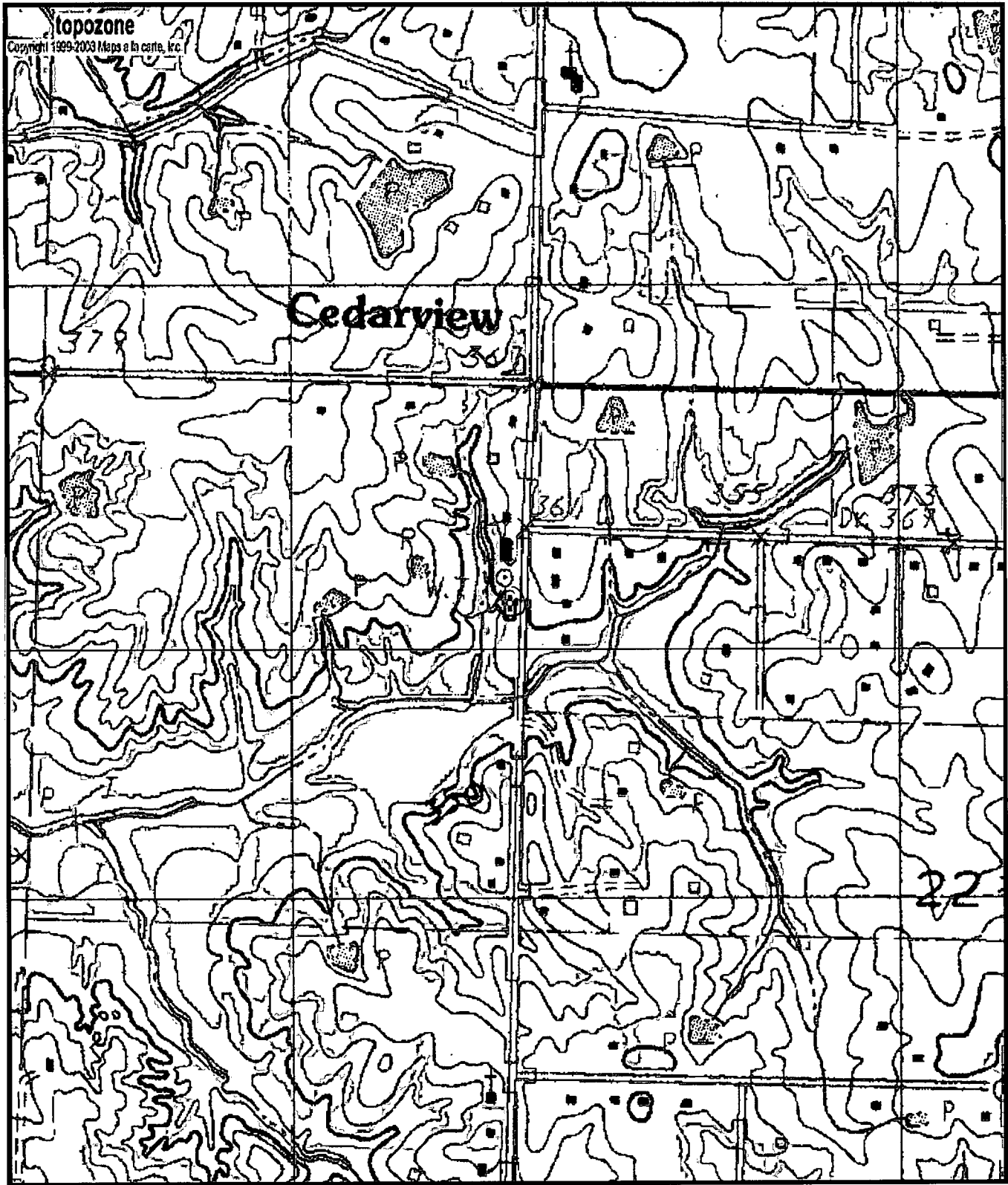


170001-01  
170001-02  
170001-03

Cedarview  
367

170001-01  
170001-02

30 000 FEET  
(MISS.)



0170011-02  
 6602870  
 H79

0 0.1 0.2 0.3 0.4 0.5 km  
 0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 34° 54' 03"N, 89° 49' 51"W (WGS84/NAD83)

**Olive Branch** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

M=-0.14  
 G=-1.621