

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

GW02671 DOH # 170011-01

BUNCHED

Record by B.D. Source of data Bow Date 12-70 Map 1,7 Branch Branch

State 402 28 County Des Moines (or town) 51

Latitude: 34 53 41 N Longitude: 0 89 30 22 Sequential number: 1

Lat-long accuracy: 5 2 6 0 2 1 5 E S E N E N E

Local well number: 402 1 8 A A 2 1 0 2 5 0 6 W Other number: #2

Local use: 0 0 9 Owner or name: LEWIS BURG WTA Address: Herndon, Wis

DEC  
MIST

345 402 089 195 101 + BAD Deleted 11-01-94 JRY  
" 341 " 502 201 are the same well

341 HAS QW IN RESTON

402 HAS SSWUDS DATA - Corrected 2-9-94 by Penny Johnson

MERGE 402 INTO 341 + Tell PENNEY +

then delete 402 Merged 11-01-94 JRY

WA 66 P

(X) (S) 69 W  
w, Waste, Destroyed.

Field aquifer char. 72

73

74 C

76

SPRT yes 77

78 D 79

SAME AS ON MASTER CARD Depth well: 3 ft 210 accuracy

Depth cased: 210 ft Casing type: STEEL ; Diam. 6x8 in

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), gravel w. (horiz. gallery), gravel w. (open end), other 51

Method: (A) air rot, (B) bored, (C) cable dug, (D) jetted, (E) percussion, (F) air rot., (G) jetted, (H) air percussion, (I) reverse, (J) trenching, (K) driven, (L) wash, (M) other 52

Date Drilled: 970 Pump intake setting:  ft

Driller: Carlow name 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 39 Deep 7 Shallow 40

Power (type): diesel, elec., gas, gasoline, hand, gas, wind; H.P. 10 U Trans. or meter no.

Descrip. MP 348 350 350 ft above LSD, Alt. MP

Alt. LSD: 380 Accuracy: 47 4

Water Level: 90 ft above MP; Ft. below LSD 90 Accuracy: 52 D

Date meas: D70 Yield: 150 gpm Method determined 61

Drawdown:  ft Accuracy:  Pumping period 68 hrs

QUALITY OF WATER DATA: Iron  ppm Sulfate  ppm Chloride  ppm Hard.  ppm

Sp. Conduct 46 K x 10<sup>6</sup> 0 Temp. 17.5 Date sampled 7-9-74 774

Taste, color, etc. PH = 5.8

Well No. H-68

TRANSMITTED FOR ADP

Well No. H 68

Latitude-Longitude \_\_\_\_\_ N S \_\_\_\_\_ d m s d m s

HYDROGEOLOGIC CARD

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

Drainage Basin: D Subbasin: 15E

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

MAJOR AQUIFER: system \_\_\_\_\_ series TE aquifer, formation, group 55

Lithology: US Origin: Z Aquifer Thickness: 117 ft

Length of well open to: \_\_\_\_\_ ft Depth to top of: 199 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: 6' 5.5'

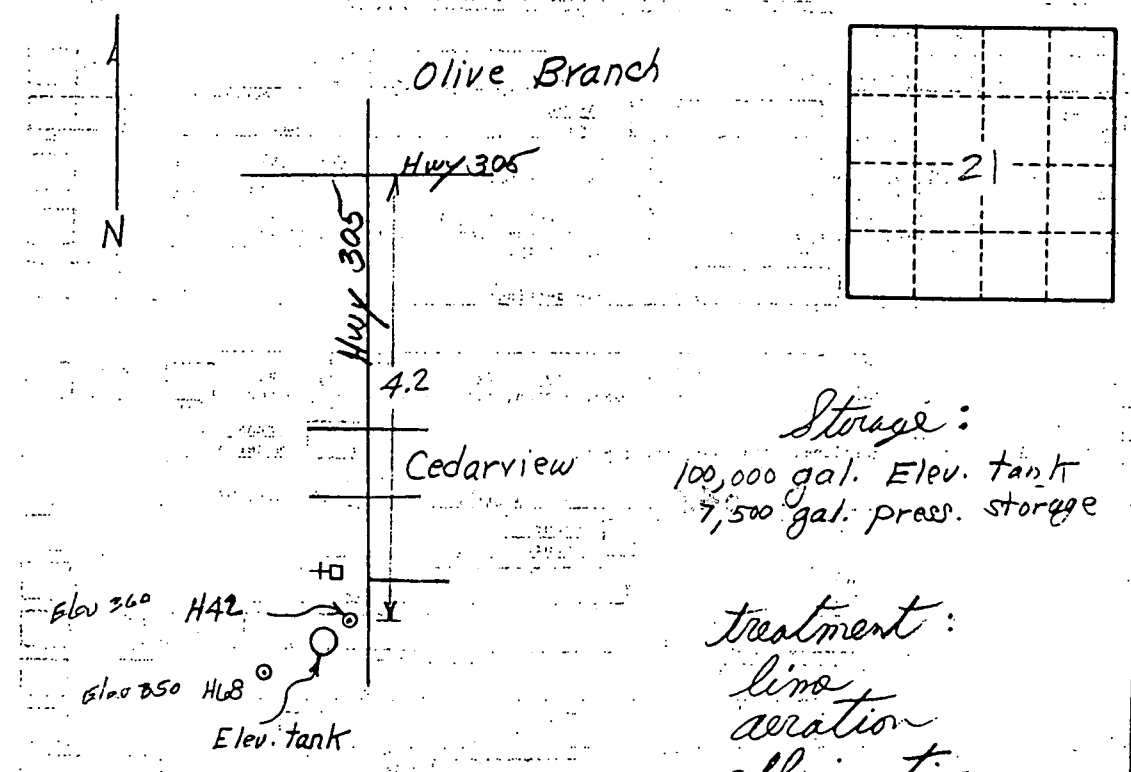
Depth to consolidated rock: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

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

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

Coefficient Trans: \_\_\_\_\_ gpd/ft<sup>2</sup> Coefficient Storage: \_\_\_\_\_

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



Well number changed from G18 to H68 due to wrong original location.

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

**RECEIVED**

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

MAR 19 1996

Dept. of Environmental Quality  
Office of Land & Water Resources

This box is for office use only.

6-25-96 AGN-

Issued: 7-8-86	Expires: 7-8-2006	Fee Paid:	Permit No.
Lat. 34-54-04	Long. 89-49-50	Elev. 358	USGS No.
Quad Olive Branch	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: SPR1	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. 02871

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)? DECEMBER, 1970 Under whose name was well originally drilled (if known)?

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 251 feet. DRILLER: CARLOSS WELL SUPPLY

(b) SURFACE CASING: Length 210 feet; Diameter 8 inches; Type STEEL

(c) SCREEN: Length 41 feet; Diameter 6 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

(b) .07 million gallons per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK)

250

MAP SENT

SAH  
6-25-96  
0.07  
0.069

**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. Discription of pump/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 Sorgum \_\_\_\_\_; 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 \_\_\_\_\_ 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)
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:** \_\_\_\_\_

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 4<sup>th</sup> day of March, 1996, at Hernando County of De Soto  
My commission expires March 28, 1996: Phonaa Pollock Altus Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

SHB + PEG  
USER NAME(S): LAK / DKS DATE: 7-24-96  
7/26/94  
UNIT DEQ #: 84090 FILE #: 8071615 B  
8072423 B  
HEALTH DEPT. #: 170011-01 ELEV. 350  
USGS #: 467 H68 OLWR #: MS-GW-02871  
OWNER: Lewis Spring Water Assoc.  
LOCATION: SE 1 NE 9 NE S 21 T 25 R 6W COUNTY: DeSoto  
Olive Branch Quad.  
LOCATION DESCRIPTION: Well in fenced area SW of elevated  
tank. Approx 150' W. of Hwy 305.  
CASING DIA: 8" PUMP TYPE & SIZE: Sub. 1  
GPS FIELD LOCATION: LAT. 34-54-05.3N LONG. 89-49-88.1W  
34° 54' 04.1" 89° 49' 51.9"  
GPS CORRECTED LOCATION: LAT. 34.90078483 LONG. 89.83095095  
REMARKS: Turn L off Malone Rd onto Pleasant Hill Rd.  
go to Hwy 305 turn right go approx 1.25  
miles west to church on right side.  
well #1 & 2 are standing  
34° 54' 02.8" 89° 49' 51.4"

033H0068.bmp



SEE PAGE 40

T-2-S

7000E

R-6-W

8000E

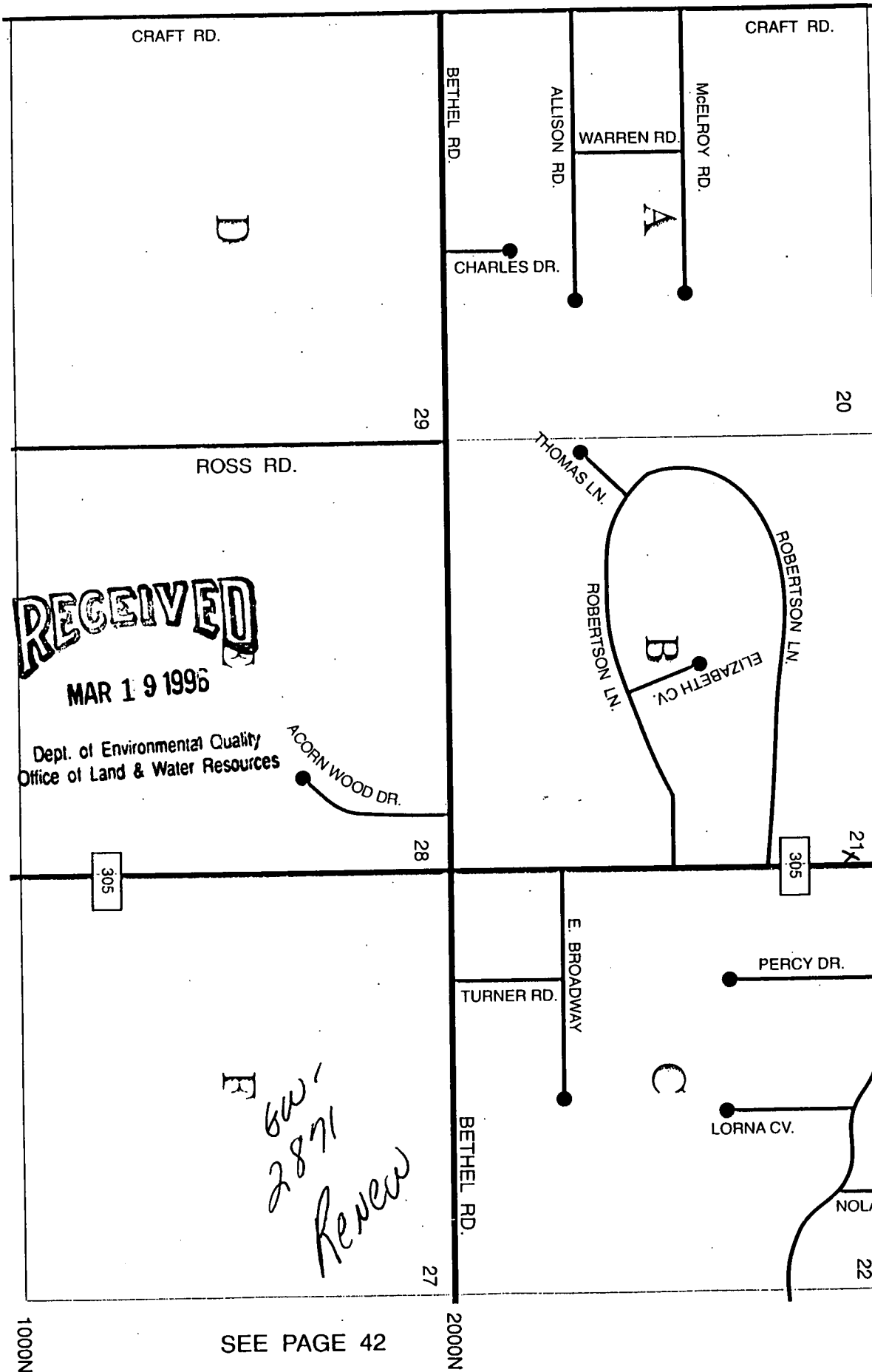
SEE PAGE 30

9000E

WOOLSEY RD.

10000E

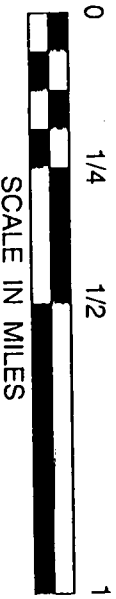
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**RECEIVED**  
 MAR 19 1996

Dept. of Environmental Quality  
 Office of Land & Water Resources

*F 6w-2871  
 Renew*



SCALE IN MILES

SEE PAGE 52

PAGE 41

© 1995 MI-DA Map Book of Desoto County

SEE PAGE 42

1000N

2000N

27

28

29

22

21X

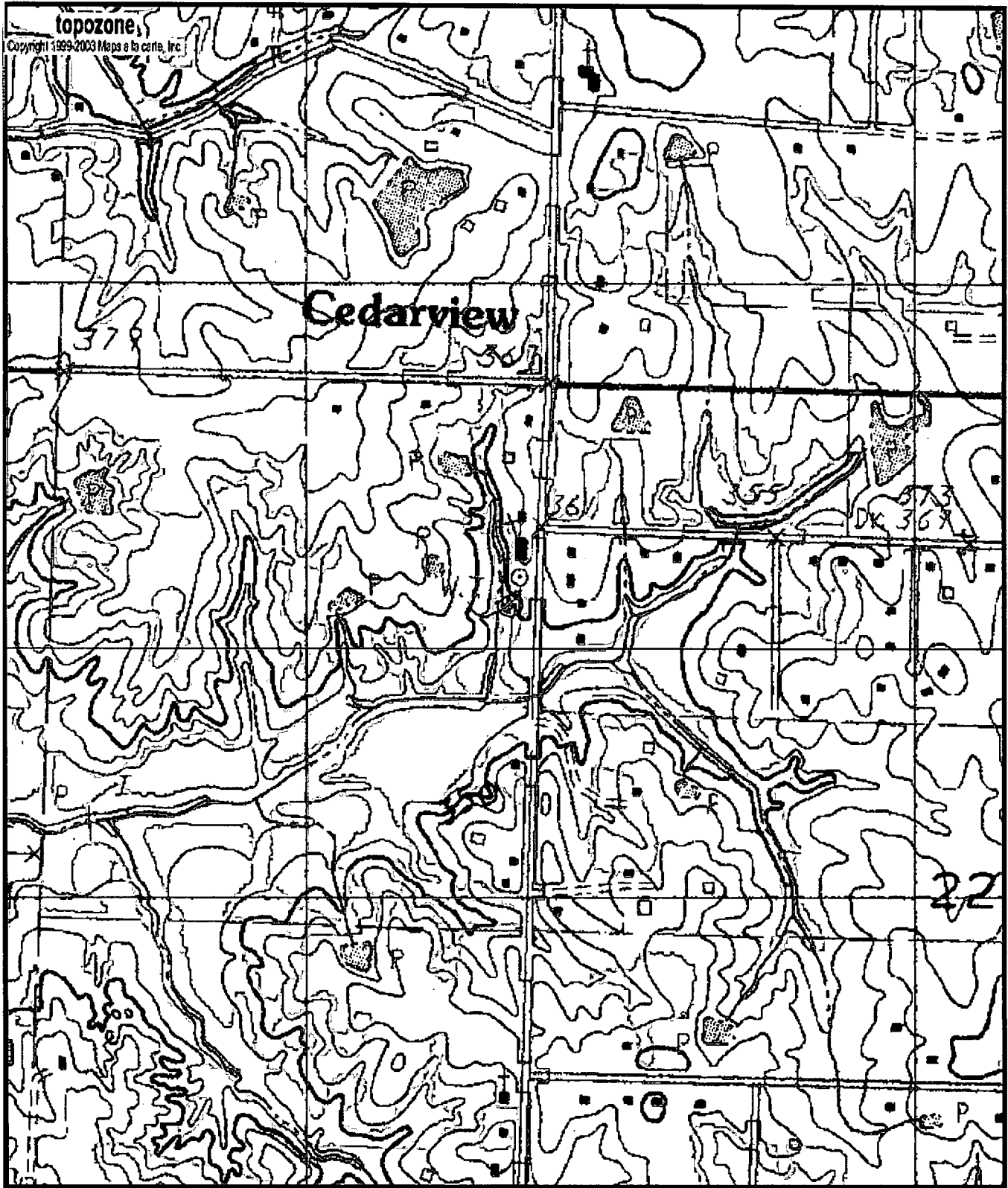
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017001-06  
017001-02  
017001-03



30 000 FEET  
(MISS.)





0170081-01  
 GW02871  
 H68

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' 52"W (WGS84/NAD83)  
**Olive Branch** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

M  
 G  
 M=-0.14  
 G=-1.621