

GW15000  
DOH # 170007-03

USGS well schedule missing

**WELL SCHEDULE  
FOR  
THE OFFICE OF LAND AND WATER RESOURCES**

Fips: 33

Well: H84

Log No: \_\_\_\_\_

Recorded by: Pat P Data Source: Driller's log, permit Date: 12/8/2000

County: De Soto Permit No.: GW15000 DOH No.: 0170007-03

Quad: Olive Branch Elevation: 444 410

1/4: \_\_\_\_\_ 1/4: SW 1/4: SW 1/4: SW Sec.: 1 T: 2S R: 5W

Plotted on quad?  In field?  From drillers log? \_\_\_\_\_ From permit? \_\_\_\_\_

Latitude: 34° 56' 00" Longitude: 89° 47' 35.71" GPS?  From quad? \_\_\_\_\_

Primary Aquifer: SPRT Secondary Aquifer: \_\_\_\_\_

Use: MU Well status: \_\_\_\_\_ Local Well Name: \_\_\_\_\_

Owner: City of Olive Branch

Date completed: 10/26/95 Driller: Layne Central Well depth: 465 Hole depth: \_\_\_\_\_

Pump type: Turbine Power type: Electric Pump capacity: 700 gpm

Screen interval: \_\_\_\_\_ Screen length: \_\_\_\_\_ Screen diameter: \_\_\_\_\_

Screen interval: \_\_\_\_\_ Screen length: \_\_\_\_\_ Screen diameter: \_\_\_\_\_

Casing interval: \_\_\_\_\_ Casing length: \_\_\_\_\_ Casing diameter: \_\_\_\_\_

Casing interval: \_\_\_\_\_ Casing length: \_\_\_\_\_ Casing diameter: \_\_\_\_\_

Type of logs: \_\_\_\_\_ Log interval: \_\_\_\_\_

Initial water level(s): \_\_\_\_\_ Date: \_\_\_\_\_ Measuring point description: \_\_\_\_\_

Water Quality Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Water Level Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Pump Test Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Water Use Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Water level data

This area for location map and notes

H 84  
BW 15300

✓ Coded

Southport Mall  
P.O. Box 10631  
Jackson, Mississippi 39209  
WATER WELL DRILLERS LOG

10/26 19 95 LAYNE CENTRAL DESOTO  
date well completed firm name county well located

LANDOWNER: City of Olive	description of formations encountered	from	to
Branch			
	** SEE ATTACHED LOG"		
(mailing address)			
<b>WELL LOCATION:</b>			
sec. 1 T 2 (N) R 6 (E)			
2 miles East of Olive Branch (distance) (direction) (nearest town)			
<b>WELL PURPOSE: Municipal</b> (home, irrigation, municipal, industrial)			
<b>WELL COMPLETION DATA:</b>			
(1) diameter (inches) 12"			
(2) total depth (feet) 465			
(3) static water level (feet) 143 below above top of ground.			
(4) casing Steel 370 (material) (depth)			
12" if telescope see back. (size)			
(5) screen 90 375 (length) (depth to top)			
8" 403 SST (size) (material)			
(6) pump 75 700 (HP) (yield gpm)			
3,60,460 (type power)			
(7) electric log YES (yes or no)			
LAYNE CENTRAL COMPANY (organization running log)			
(8) how well bottom plugged Cement			
<b>DRILLERS REMARKS:</b>			

36

al C

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

AUG 23 1995

This box is for office use only. SPR

Dept. of Environmental Quality  
 Office of Land and Water Resources

Issued: <u>10-10-95</u>	Expires: <u>10-10-2005</u>	Fee Paid: <u>Y</u>	Permit No. <u>GW-15000</u>
Lat. <u>34-54-38</u>	Long. <u>89-49-13</u>	Elev. <u>400</u>	USGS No. <u>H84</u>
Quad. <u>Olive Branch</u>	ASCS Farm No.	STAC.	MSDOI No.
Aquifer:	Tract No.		Basin No. <u>08030204</u>
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one) NEW PERMIT RENEWAL - PERMIT NO. \_\_\_\_\_

THIS APPLICATION IS FOR (Circle one) GROUNDWATER COMPLETE A,B,E

LAM

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: CITY OF OLIVE BRANCH  
 (Name) \_\_\_\_\_ (SSN or Tax ID No.) \_\_\_\_\_  
9189 PIGEON ROOST AVE  
 (Address) \_\_\_\_\_  
OLIVE BRANCH MISS 38654  
 (City) (State & Zip) (601) 895 - 3166  
 (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 SW 1/4 of Section 1, Township 2S, 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)

- AQUIFER: MEMPHIS SPARTA MISSISSIPPI DEPARTMENT OF HEALTH NO.: \_\_\_\_\_
- Proposed work will begin on SEPT 1, 19 95, and will be completed by Jan + 10-26 1995  
 If well has already been drilled, when was well completed (date)? \_\_\_\_\_, 19 \_\_\_\_ Under whose name was well originally drilled (if known)? \_\_\_\_\_
- Description of proposed or completed well:
  - DEPTH OF WELL: 400 460 feet. DRILLER: Layne - Central
  - SURFACE CASING: Length 396 379 feet; Diameter 12" inches; Type STEEL
  - SCREEN: Length 66 90 feet; Diameter 8" inches; Type STEEL
  - PUMP: Type Layne - Boral; Size 40 hp; Capacity 500 700 gallons per minute; Setting depth 350 feet
  - POWER UNIT: Type ELECTRIC; Size 40 hp horsepower
- PERMITTED VOLUME:
  - \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute
  - .250 11 million gallons per day at a maximum rate of 500 700 gallons per minute

(CONTINUED ON BACK)

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 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 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 / 100  
Chose "a" or "b". (a) The number of people served is 700 or (b) The number of connections is 200  
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?  

0.250	2000	0.300	2005	0.300	2010	0.300	2015
(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: A New well TO be installed TO Run with Existing 150 GPM Well AT WATER PLANT.

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.

[Signature]  
(Signature)

Subscribed and sworn to before me this 14th day of August, 1995, at Olive Branch county of De Soto

My commission expires My Commission Expires April 30 1998 [Signature] Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Bishop & Grantham DATE: 7/24/96

UNIT DEQ #: \_\_\_\_\_ FILE #: 80724220

HEALTH DEPT. #: 170007-New Well ELEV. 414

USGS #: 14-84 OLWR #: MSL6W-15000

OWNER: City of Olive Branch QUAD: Olive Branch Quad

LOCATION: SE / SW / SWS 1 T 2S R 5W COUNTY: DeSoto Co

LOCATION DESCRIPTION: according to their map on inside  
of this, it is; Old U.S. 78 + Hooks Cross Road.

CASING DIA: well drilled to 12" PUMP TYPE & SIZE: 75 hp Turbine

GPS FIELD LOCATION: LAT. 34°50'02.2" LONG. 89°47'34.4"

GPS CORRECTED LOCATION: LAT. 34.93334610 LONG. 89.79325414

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Area Of Old City Limits = 12,180 ACRES

R - 5 - W

R - 6 - W

T - 2 - S

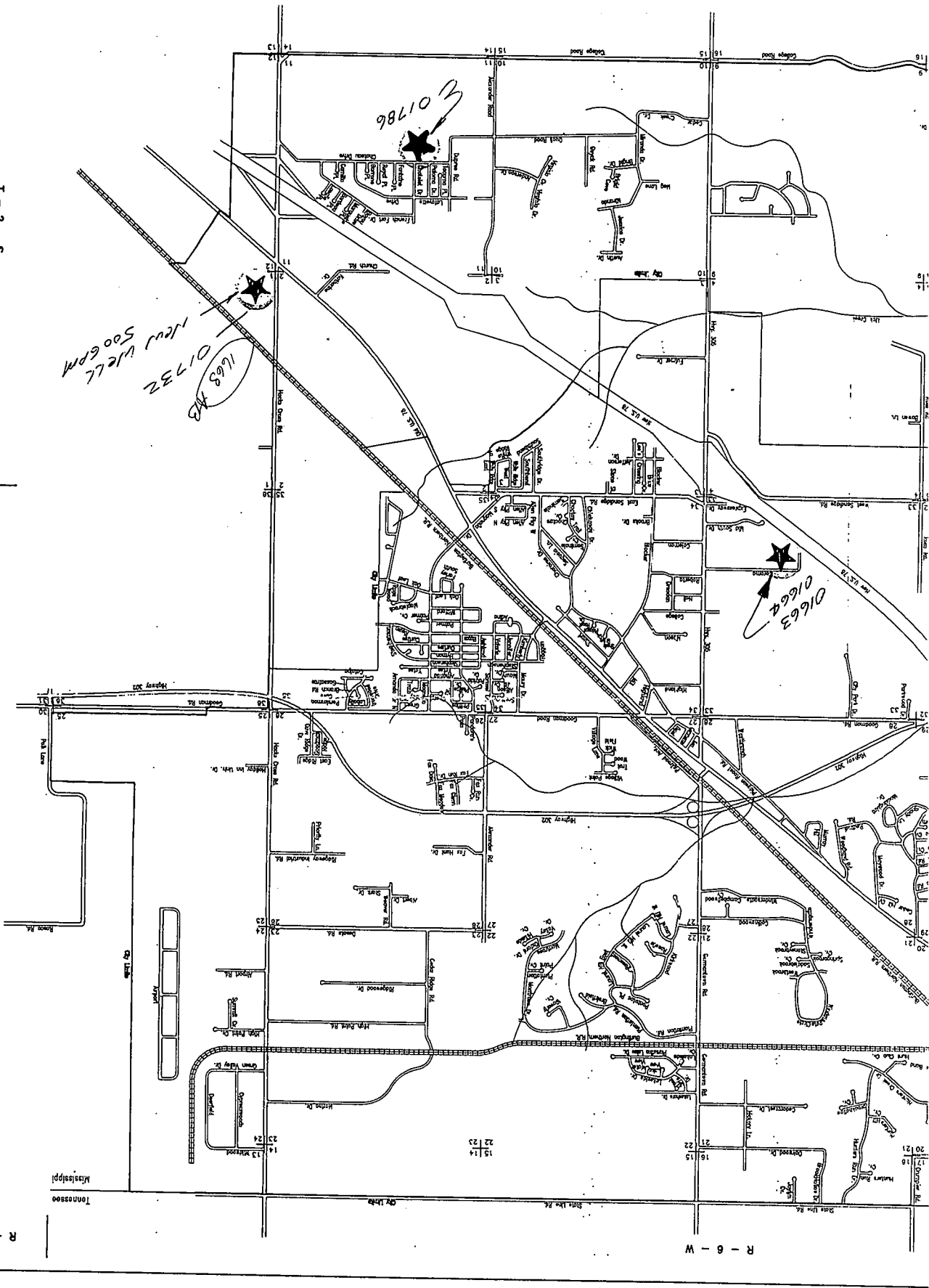
T - 1 - S

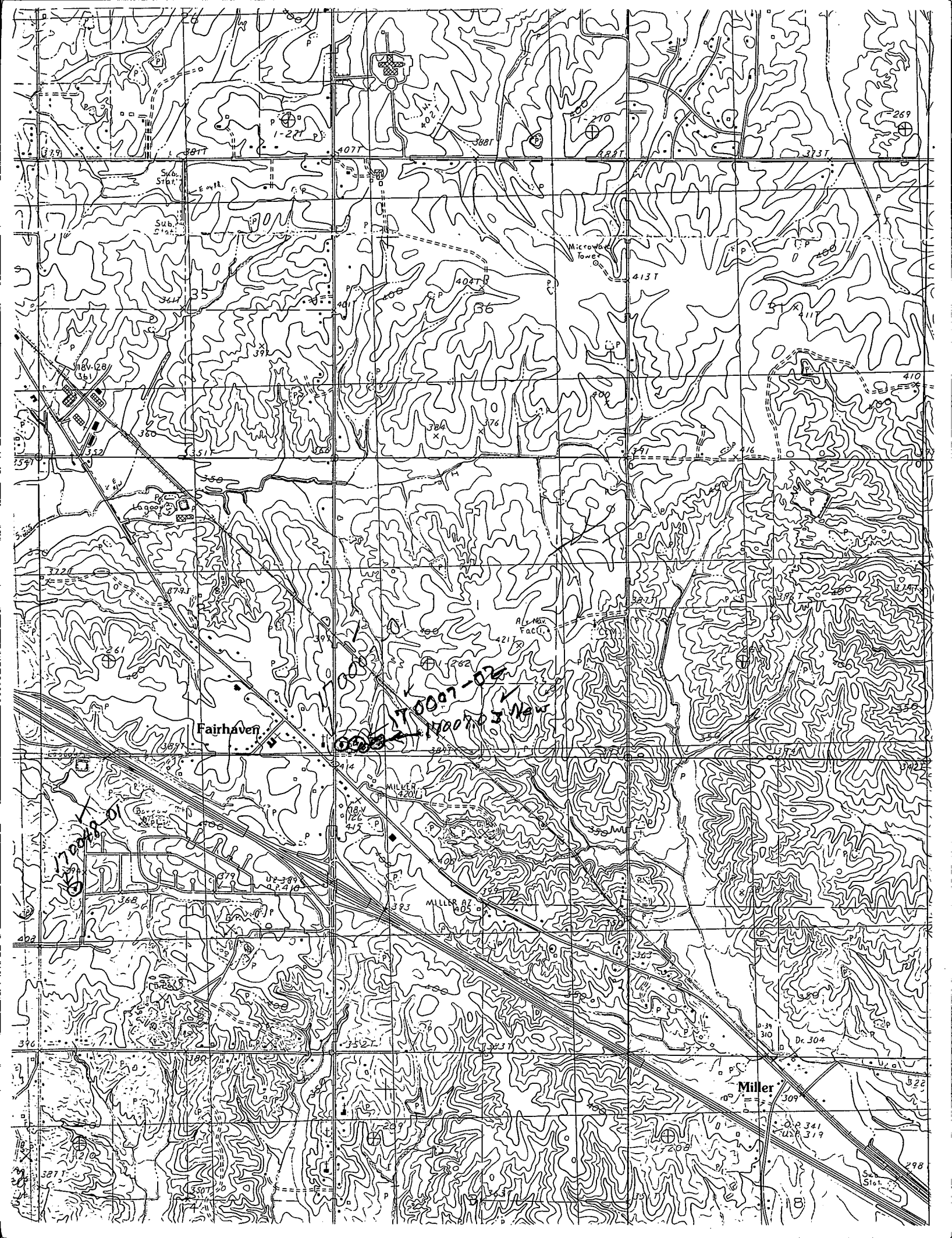
R - 5 - W

R - 6 - W

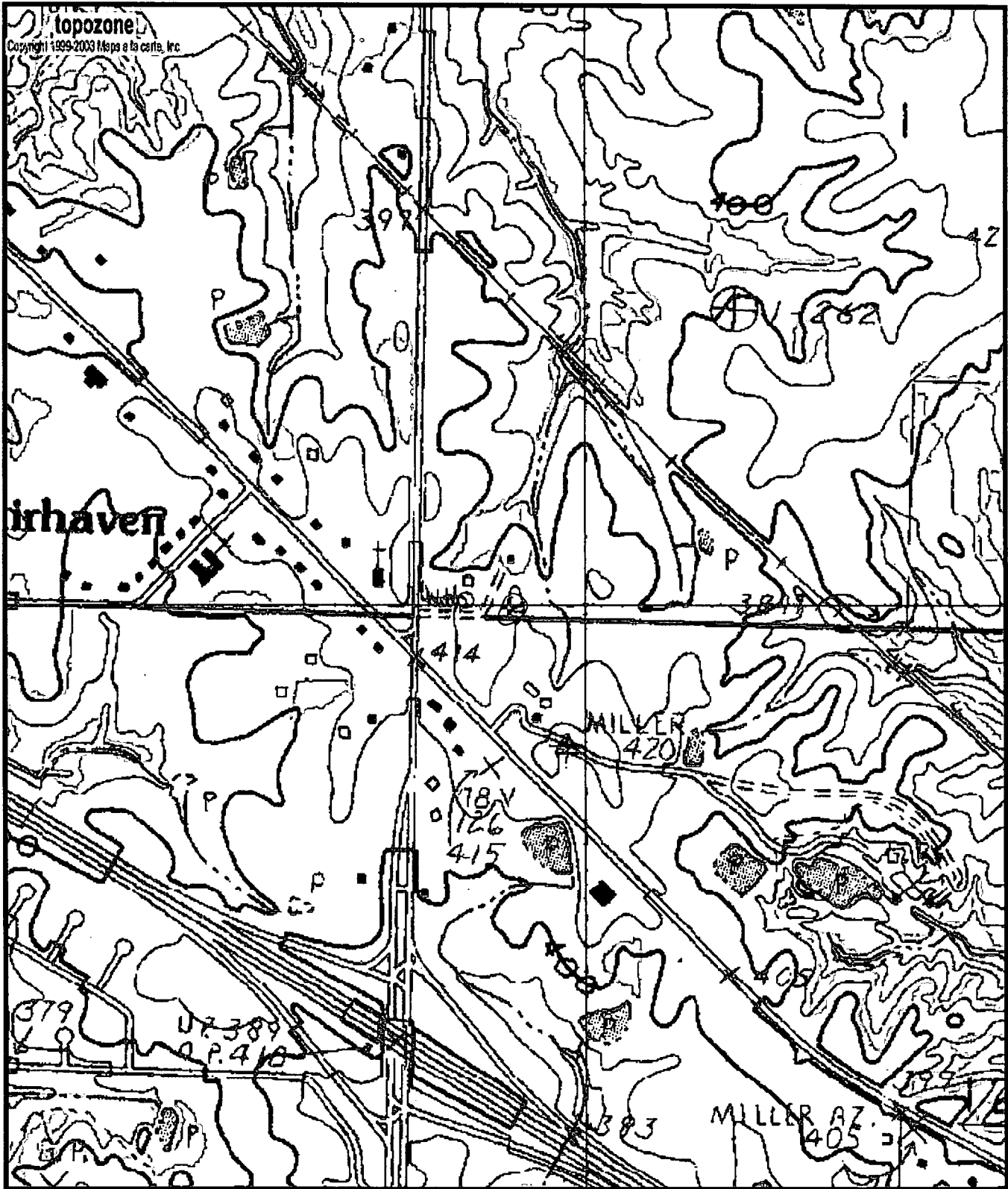
Mississippi

Tennessee

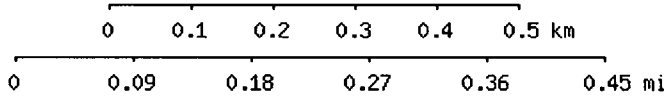








0170007-03  
6W15000  
H84



Map center is 34° 56' 00"N, 89° 47' 36"W (WGS84/NAD83)  
**Olive Branch** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

