

6/78 WTO

GW1668 DOM # 170007-02

Recorded-by WTO  
Date 2/

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT  
WELL RECORD

Well No. H73  
E-Log No. \_\_\_\_\_  
County Desoto  
Olive Branch  
Quad

TRANSMITTED FOR ADP

Site ID 345559089473501 R=0\* T=A\* 2=W\*

Data reliab. 3=C\* Report. agency 4=USGS\* Dist. 6=28\* 7=28\* Co. 8=033\*

Lat. \_\_\_\_\_ Long./ 9=345559\* 10=0894735\* Well No. 12=H073\*

Location 13=SW3W S 01 T 02 S R 06 W\* Alt. 16=400.\* 406

Hyd. Unit (OWDC) 20= Date 21=05/27/1971\*

Well use 23=W\* Water Use 24=P\* Hole depth 27=315.\* Well depth 28=254.\*

WL 30=135.\* Date 31=12/04/1979\* Source 33=S\*

Status 273= Project No. 5=

R=158\* T=A\* Date 159#05/27/1971\* Owner No. Well #3

Owner 161=FAIRHAVEN WA\*  
City of Olive Branch AB SPRT

R=192\* T=A\* Date 193# Temp. 196#00010\* 197=

R=192\* T=A\* Date 193# Cond. 196#00095\* 197=

R=192\* T=A\* Date 193# pH 196#00400\* 197=

R=58\* T=A\* 59#1\* Date 60=05/27/1971\* Remarks \_\_\_\_\_

Drlg. 63=002\* Name Rathoff Method 65=H\* Finish 66=S\*

R=76\* T=A\* 59#1\*

Top csgn. 77#0.\* Bot. csgn. 78=214.\* Diam. 79#6.\*

R=76\* T=A\* 59#1\*

Top csgn. 77# Bct. csgn. 78= Diam. 79#

R=82\* T=A\* 59#1\* Top 83#214.\* Bottom 84=254.\*

Type 85=S\* Diam. 87=6.\* Size 88=.008\*

R=82\* T=A\* 59#1\* Top 83# Bottom 84=

Type 85= Diam. 87= Size 88=

R=146\* T=A\* 147#1\* Q 150=168.\* Q/S 272=

134 flows 146 pumped

Q 25#

GEN. SITE DATA

OWNER

FIELD QW

CONSTR.

CASING

OPENINGS

YIELD

R=42\* T= A \* Lift type 43# T\* Intake 44= 200.\* Power type 45= E\*

Date 38= 05/27/1971\* H.P. 46= 20.\*

LIFT

R=198\* T= A \* Log 199# D\* Top 200= 0.\* Bot 201= 315.\*

R=198\* T= A \* Log 199# \* Top 200= \* Bot 201= \*

R=189\* T= A \* E Log No. 190# \* 191= M I S S D I S T \*

LOGS

R=114\* T= A \* Year 115# \* Type 120= \*

ANAL.

R=90\* T= A \* 256# 1\* Top 91= 133.\* Bot 92= 315.\*

Unit ID 93= 124SPRT\* Name of Unit

R=90\* T= A \* 256# -1\* Top 91= \* Bot 92= \*

Unit ID 93= \* Name of Unit

AQUIFERS

R=98\* T= A \* 99# 1\* Unit tested 100= \* 103= \*

R=105\* T= A \* 99# 1\* Test No. 106# \*

107= \* Transmissivity (gal/d)/ft

108= \* Hydraul. cond. (gal/d)/ft<sup>2</sup>

110= \* Storage coeff. Boundaries

HYDRAULICS

R=121\* T= \* Yr Begin 122# \* Network 258= \*

Water Level Data Collection (1)

Maint. Bill Robinson office 368-9509

Joe Lauderdale, Eng. Hernando, Ms. 368-6627

181 gpm open discharge  
pumping level 145 ft.

(200' ± from H34)

FORMATION LOG

- 0 - 17 feet red clay
- 17 - 35 feet clay & gravel
- 35 - 80 feet gravel
- 80 - 197 feet fine sand
- 197 - 260 feet good sand
- 260 - 315 feet fine sand

RECEIVED  
FEB 10 1986

RETURN COMPLETED FORM TO:

Bureau of Land and Water Resources  
P.O. Box 10631  
Jackson, Mississippi 39209  
Telephone (601) 961-5200

Department of Natural Resources  
Bureau of Land & Water Resources

For Office Use Only:	
County:	DeSoto
Date Received:	2-10-86
Permit No.:	MS-64-0166P
Quad Map:	Olive Branch
Water Management Dist.:	
Hydrologic River Basin:	08030204

NOTICE OF CLAIM FOR CONTINUED USE  
OF SURFACE/GROUND WATERS FOR BENEFICIAL USE

Pursuant to the laws of the State of Mississippi, namely §51-3-5 (2) or (3), as amended, I, the landowner, \_\_\_\_\_

City of Olive Branch  
Fairhaven Water Association, Inc. 64-6001544  
(Name) (S/S or Tax ID No.)

9189 Pigeon Roost Rd. Olive Branch MS. 38654  
(Address) (City or Town) (State and Zip)

( 601 ) 895-4000 , do hereby file claim for the continued use of: (circle one)  
(Telephone Number)

surface water ground water for the following beneficial use: (circle one or more)

municipal; irrigation; recreation; livestock water; fish culture; industrial;  
Rural Water District

Other \_\_\_\_\_ (Specify)

1. Name & Address of agent or applicant if different from landowner.  
(Same)  
\_\_\_\_\_  
(Name) (S/S or Tax ID No.) (Address)  
\_\_\_\_\_  
(City or Town) (State and Zip) (Telephone Number)

2. Location of point of diversion/withdrawal (include location map with claim)  
SW <sup>SW</sup>/<sub>4</sub> of <sup>SE</sup>/<sub>4</sub> of Section 1, Township 2, Range 6, County DeSoto

3. Volume of water diverted/withdrawn:  
(1) \_\_\_\_\_ acre feet per year, diverted/withdrawn at a maximum rate of \_\_\_\_\_ gallons per minute; or  
(2) 0.02 million gallons per day, diverted/withdrawn at a maximum rate of 200 gallons per minute.

4. Description of lands on which water will be used:  
(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(b) Has the above described land any water right or source of water supply other than that herein applied for?  
(Water Rights Number(s) \_\_\_\_\_) Describe the nature and amount of any additional supply \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SECTION A (to be completed if source of water is from surface supply)

1. Prior water rights permit/license number \_\_\_\_\_, dated \_\_\_\_\_

2. Source of supply is \_\_\_\_\_ which drains into \_\_\_\_\_  
\_\_\_\_\_ which drains into \_\_\_\_\_

3. Description of diversion works:  
(a) Water obtained directly from stream: \_\_\_\_\_ (Name)  
Pump \_\_\_\_\_ Power Unit \_\_\_\_\_  
(Size and type) (Size and type)  
Lift \_\_\_\_\_ ft. Maximum capacity \_\_\_\_\_ gpm

(b) Storage reservoir \_\_\_\_\_ (Name)  
Height of dam \_\_\_\_\_ feet. Surface area at normal pool \_\_\_\_\_ acres  
Storage capacity at normal pool \_\_\_\_\_ acre feet

**SECTION B** (to be completed if source of water is from underground supply)

1. Source of supply: Memphis aquifer(s)
  2. Description of water well:
    - (a) **Well data:**
      - (1) Date well completed May 27, 1971
      - (2) Depth drilled 254 feet
      - (3) Type of completion Straight Wall well
      - (4) Surface elevation 380 feet
    - (b) **Screen data:**
      - (1) Depth to bottom 254 feet
      - (2) Length 40 feet
      - (3) Diameter 5 3/8" inches
      - (4) Type Stainless Steel
      - (5) Slot \_\_\_\_\_ inches
    - (c) **Casing data:**
      - (1) Length(s) 214 feet; Diameter(s) 6 inches
      - (2) Type Plastic
    - (d) **Pump data:**
      - (1) Type & Size Rapidayton 20 HP
      - (2) Capacity 150 gpm
      - (3) No. stages \_\_\_\_\_
      - (4) Setting depth 200 feet
- Well Driller Robert E. Ratliff Co., Grenada, MS.  
(Name of Company)

**WATER USE DATA**

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

TOWN-SHIP	RANGE	SEC.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	

- (b) List the acres to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Corn \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Other crops ( \_\_\_\_\_ ) \_\_\_\_\_ acres.
2. If for MUNICIPAL use: (a) Present population 1,500 estimated \_\_\_\_\_, (based on 19\_\_\_\_ Census)  
 (b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years:  
0.036, 1991 ; 0.04 1996 ; 0.05 2001 ; 0.075 2006
3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year \_\_\_\_\_; rate of release \_\_\_\_\_; location of release point in reference to diversion point \_\_\_\_\_ (show location on map)  
 (b) Explain any change in quality of water to be released: \_\_\_\_\_
4. If for RECREATIONAL use: Explain how water will be used \_\_\_\_\_
5. If for FISH CULTURE use: (a) Explain in detail how water will be used \_\_\_\_\_  
 (b) Number of times reservoir will be emptied and filled annually: \_\_\_\_\_
6. If for ANY OTHER use: (a) Explain in detail \_\_\_\_\_

REMARKS Well Permit No. NGW 17080073

This is all of the information I have on this well. This Association has three wells and they alternate pumping so any consumption figures used will include all wells.

List below the name and address of person to be contacted for additional information, if required. The accompanying map is hereby declared a part of this application.

J. E. Lauderdale, P.E.  
 City Engineer for Olive Branch, MS.  
 (Name)  
P. O. Box 327  
 (Address)  
Hernando, MS. 38632

*J. E. Lauderdale*  
 (Signature)

Subscribed and sworn to before me this 8th day of Feb. 19, 86, at Hernando  
 County of DeSoto, Mississippi. My commission expires 1/4/88  
W.H. Ferguson Chancery Clerk Notary Public  
Lyn B. Taylor D.C.

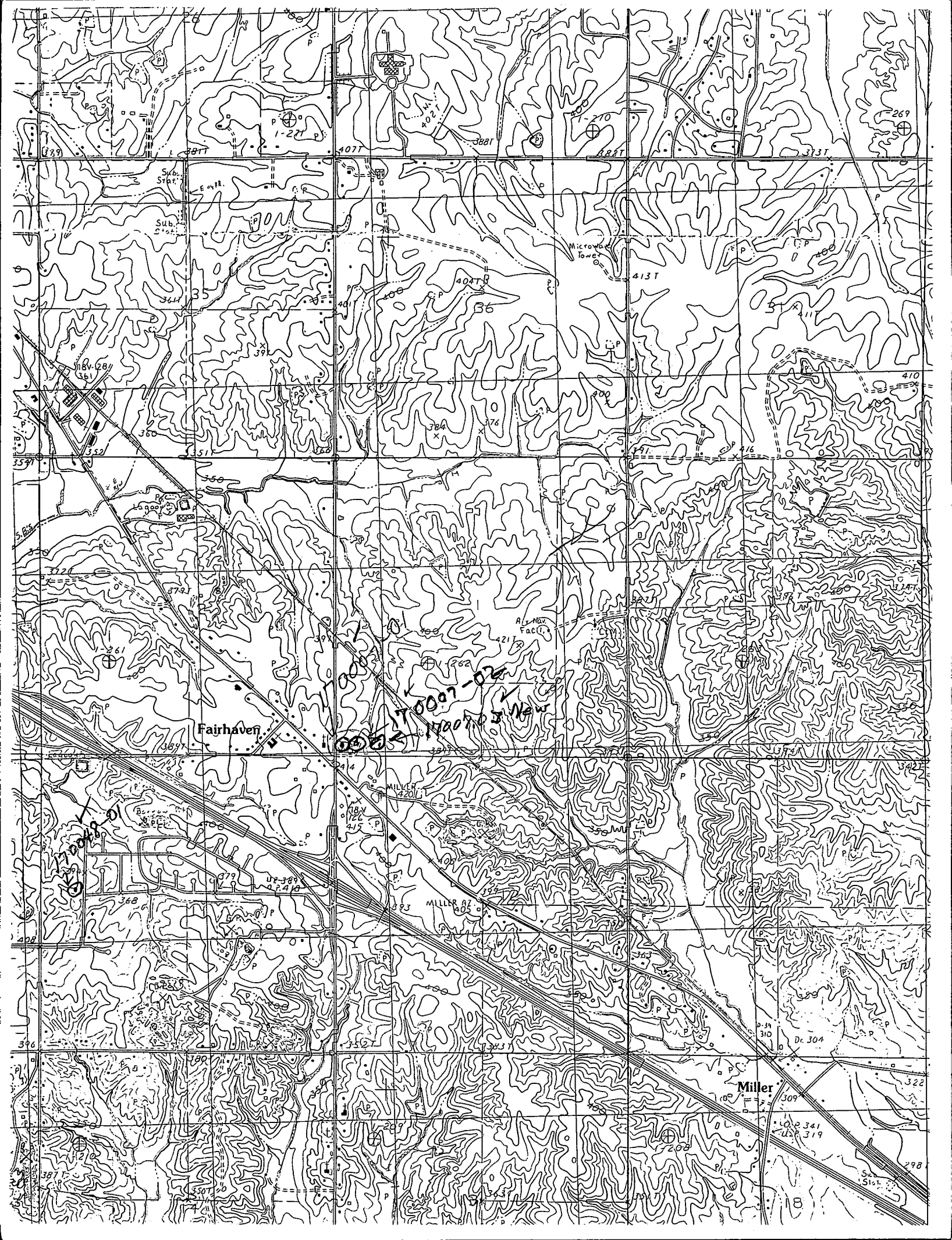
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

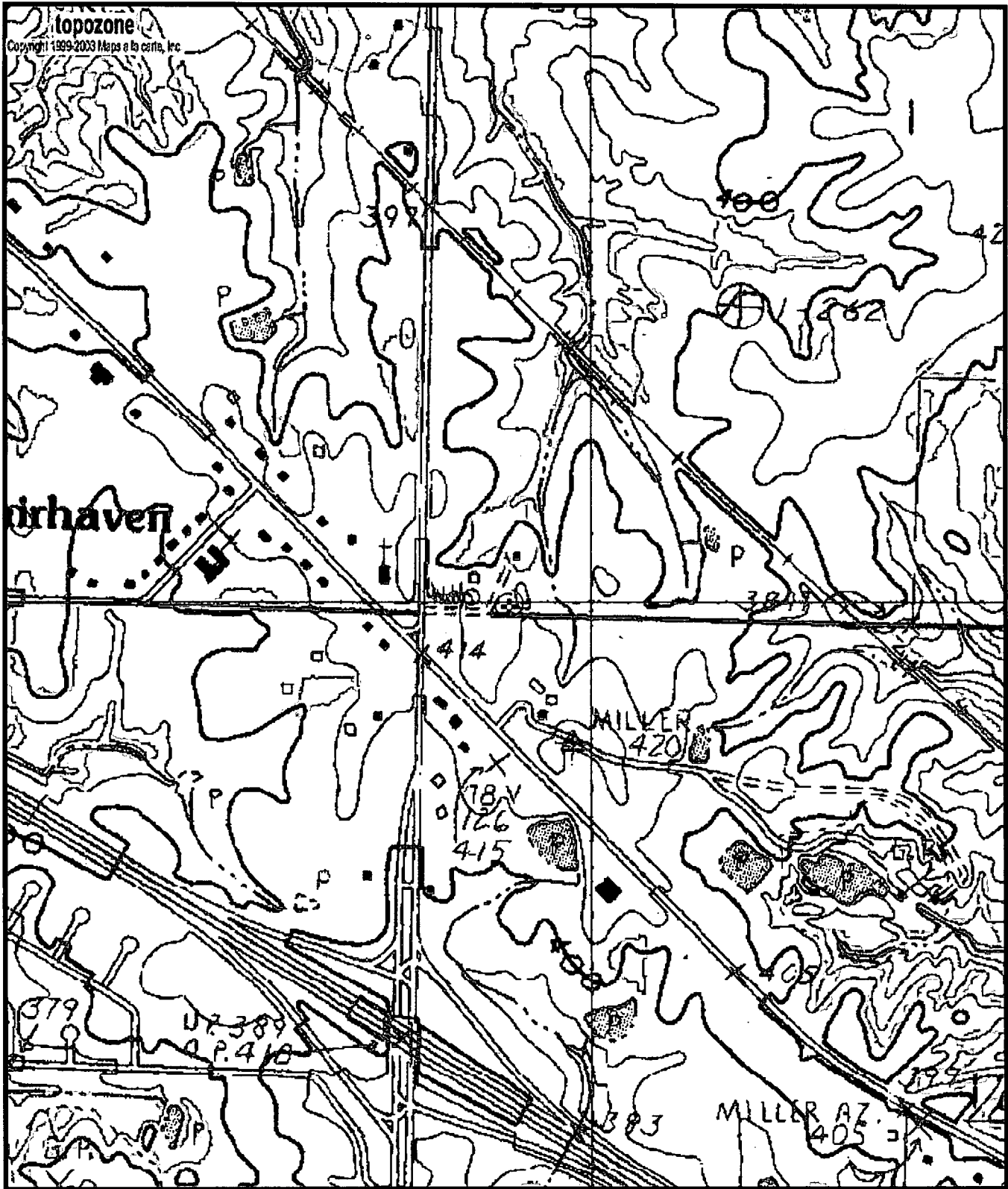
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

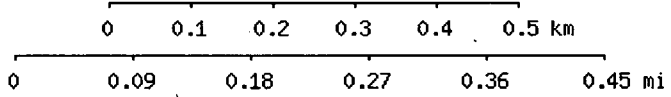
USER NAME(S): SHB + PEG CAR/DCB DATE: 7-24-94  
7/27/94  
UNIT DEQ #: 84080 FILE #: 8072422E  
8072422E  
HEALTH DEPT. #: 170007-02 ELEV. 400  
USGS #: 461 H73 OLWR #: MS-6W-01668  
OWNER: City of Olive Branch  
LOCATION: SW 1/4 SW 1/4 S 1 T 2S R 5W COUNTY: DE SOTO  
Olive Branch Quad.  
LOCATION DESCRIPTION: 200' SOUTH of GROUND TANK  
AT PLANT.  
CASING DIA: 6" PUMP TYPE & SIZE: Sub.  
GPS FIELD LOCATION: LAT. 34.56021 N LONG. 89.47626 W  
34° 56' 02.3" 89° 47' 35.2"  
GPS CORRECTED LOCATION: LAT. 34.93330800 LONG. 89.79336712  
REMARKS: PLANT 100' EAST of OLD Hwy 78  
200' SOUTH of HACK CROSS Rd.

Abandoned according to Permit





0170007-02  
6W01668  
H73



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

