

FORM 9-1642 (1-68)

Well No. H 61

WELL SCHEDULE

E log 25

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED

MAY 8 1974

MASTER CARD

Bowc.

Record by WTO

Source of data Obs. driller Date 10-1-73

Map Hermando Quad.

State Miss

28 County (or town) De Soto

17

Latitude: 34 55 31 N Longitude: 08 94 82 4 Sequential number: 1

Lat-long accuracy: 2 0 6 0 11 NE SW SW/SE/NW

Local well number: H 061 AC 1102506 W Other number: 8 & M

Local use: 058025 Owner or name: Old Del Can Sub-well

Owner or name: FAIRHAVEN Address: Fairhaven Miss.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N City of Olive Branch

Use of Air cond., Bottling, Comm., Dewar, Power, Fire, Dom., Irr., Med., Ind., P S, Rec., water: (S) (T) (U) (V) (W) (X) (Y) (Z)

Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other MU H P

Use of well: Anode, Drain, Seismic, Heat Res, Obs., Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. (A) (D) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) W

DATA AVAILABLE: Well data ☐ Freq. W/L meas. ☐ Field aquifer char. ☐

Hyd. lab. data: ☐

Qual. water data; type: ☐

Freq. sampling: ☐ Pumpage inventory: ☐ yes ☐ no ☐ period: ☐

Aperture cards: ☐ SPRT yes ☐

Log data: 10' - 595' DE

WELL-DESCRIPTION CARD

SAVE AS ON MASTER CARD Depth well: 315 ft Meas. 3 accuracy ☐

Depth cased: 271 ft Casing type: 10x6 in 10

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. open end, (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) S

Method: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) H

Drilled: air bored, cable, dug, hyd jetted, rot., air reverse percussion, rotary, drive wash, other ☐

Date Drilled: 10/73 973 Pump intake setting: ☐ ft ☐

Driller: WATSON Co. NESBITT, MISS.

Lift (type): (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) T Deep ☐ Shallow ☐

Power (type): diesel, elec, gas, gasoline, hand, gas, wind, H.P. 25 V Trans. or meter no. ☐

Descrip. MP OK ft above ☐ below LSD, Alt. MP ☐

Alt. LSD: 380 Accuracy: eng. 3

Water Level: ☐ ft above ☐ below MP; Ft below LSD ☐ Accuracy: ☐ D

Date meas: ☐ 73 Yield: 300 gpm ☐ Method ☐

Drawdown: ☐ ft Accuracy: ☐ Pumping period: ☐ hrs ☐

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

Sp. Conduct ☐ K x 10 ☐ Temp. ☐ °F ☐ Date sampled ☐

Taste, color, etc. ☐

Well No.

Well No. _____

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

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

Area D Drainage Basin: 115E Subbasin: _____

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

MAJOR AQUIFER: TE system series _____ aquifer, formation, group TA

Lithology: S Origin: 3 Aquifer Thickness: 170 ft
Length of well open to: _____ ft Depth to top of: 140 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: _____

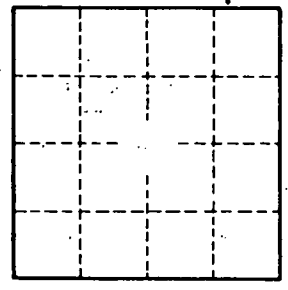
Coefficient Trans: _____ gpd/ft Coefficient Storage: _____

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

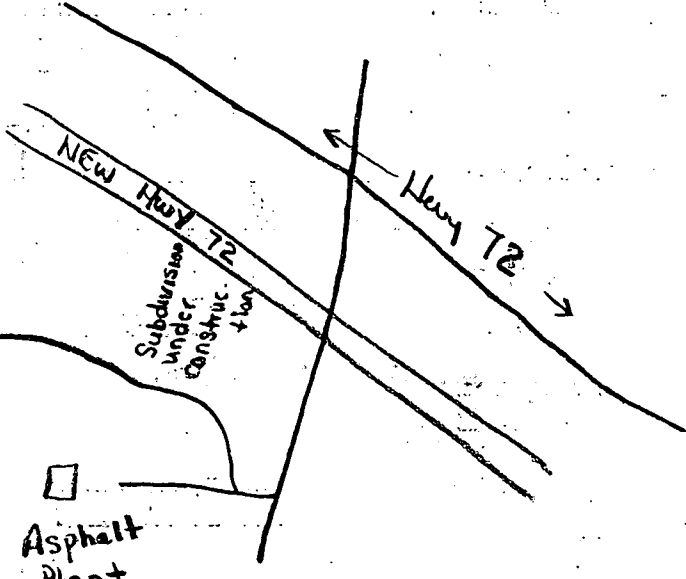


Eng. Raymond BARKER, Batesville

326-7173
marks. ms.



OLIVE BRANCH



Well No.

H61

Fauhan W/K

De Soto
H61
10-18-73
Log #25

MISSISSIPPI
BOARD OF WATER COMMISSIONERS CODED
416 North State Street
Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

Oct 18 1973 WATSON Co. De Soto
date well completed firm name county well located

LANDOWNER: DEL-CON ENGINEERS	description of formations encountered	from	to
BATESVILLE, MISS. (mailing address)	SURFACE CLAY	0	15
WELL LOCATION: sec. 11 T. 2 N. R. 6 E. (S) (W) 2 1/2 miles SE. OLIVE BRANCH (distance) (direction) (nearest town)	SAND & GRAVEL	15	16
WELL PURPOSE: SUBDIVISION (home, irrigation, municipal, industrial)	WHITE CLAY	16	85
WELL COMPLETION DATA: (1) diameter (inches) 10" (2) total depth (feet) 315 (3) static water level (feet) 111 below top of ground. (4) casing STEEL, 270' (material) (depth) 10" (size) if telescope see back. (5) screen 43' 8", 271 (length) (depth to top) 6" STAINLESS STEEL (size) (material) (6) pump 25 300 (HP) (yield gpm) ELEC. (type power) (7) electric log YES (yes or no) U.S.G.S. (organization running log) (8) how well bottom plugged B.P. VALVE, LEAD SHOT	SANDY CLAY STKS. OF RED SAND	85	126
	MED. FINE WHITE SAND	126	168
	LIGNITE	168	170
	MED. SAND	170	178
	MED. COARSE SAND	178	198
	FINE SAND	198	218
	FINE SAND	218	257
	MED. SAND	257	277
	MED. COARSE SAND	277	297
	HARD SPOT	311	
	MED. COARSE SAND	297	317
	FINE SAND	317	337
	COARSE SAND	337	357
	FINE SAND	357	398
	MED. COARSE SAND	398	418
	FINE SAND	418	438
DRILLERS REMARKS:	FINE SAND WITH CLAY STREAKS	438	499

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

RECEIVED

AUG 23 1995

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

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

Dept. of Environmental Quality
Office of Land & Water Resources

This box is for office use only.

10-10-95 AGN.

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. MS-6W-01786

THIS APPLICATION IS FOR (Circle one): **GROUNDWATER** COMPLETE A,B,E 01786

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 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):

NW 1/4 of the SE 1/4 of Section 11, 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)

1. AQUIFER: MEMPHIS 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)? 10/18, 19 73. Under whose name was well originally drilled (if known)? FAIRHAVEN WATER ASSOCIATION

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 315 feet. DRILLER: Carlross Well Co., Memphis, TN.

(b) SURFACE CASING: Length _____ feet; Diameter 6 inches; Type Steel

(c) SCREEN: Length 44 feet; Diameter _____ inches; Type Stainless Steel

(d) PUMP: Type _____; Size 40HP; Capacity 250 gallons per minute; Setting depth _____ feet

(e) POWER UNIT: Type ELECTRIC; Size 40 horsepower

4. PERMITTED VOLUME:

(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) .13002 million gallons per day at a maximum rate of 150 250 gallons per minute

.02

(CONTINUED ON BACK)

150

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 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. _____
- 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 1000 or (b) The number of connections is 250
 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>0.150</u>	<u>2000</u>	<u>0.20</u>	<u>2005</u>	<u>0.20</u>	<u>2000</u>	<u>0.20</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:** THIS IS THE WELL THAT SERVES CHATEAU RIDGE SUB ON THE FAIR HAVEN WATER SYSTEM.

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 Starkville County of De Soto
 My commission expires My Commission Expires April 13 1996 James Harris Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

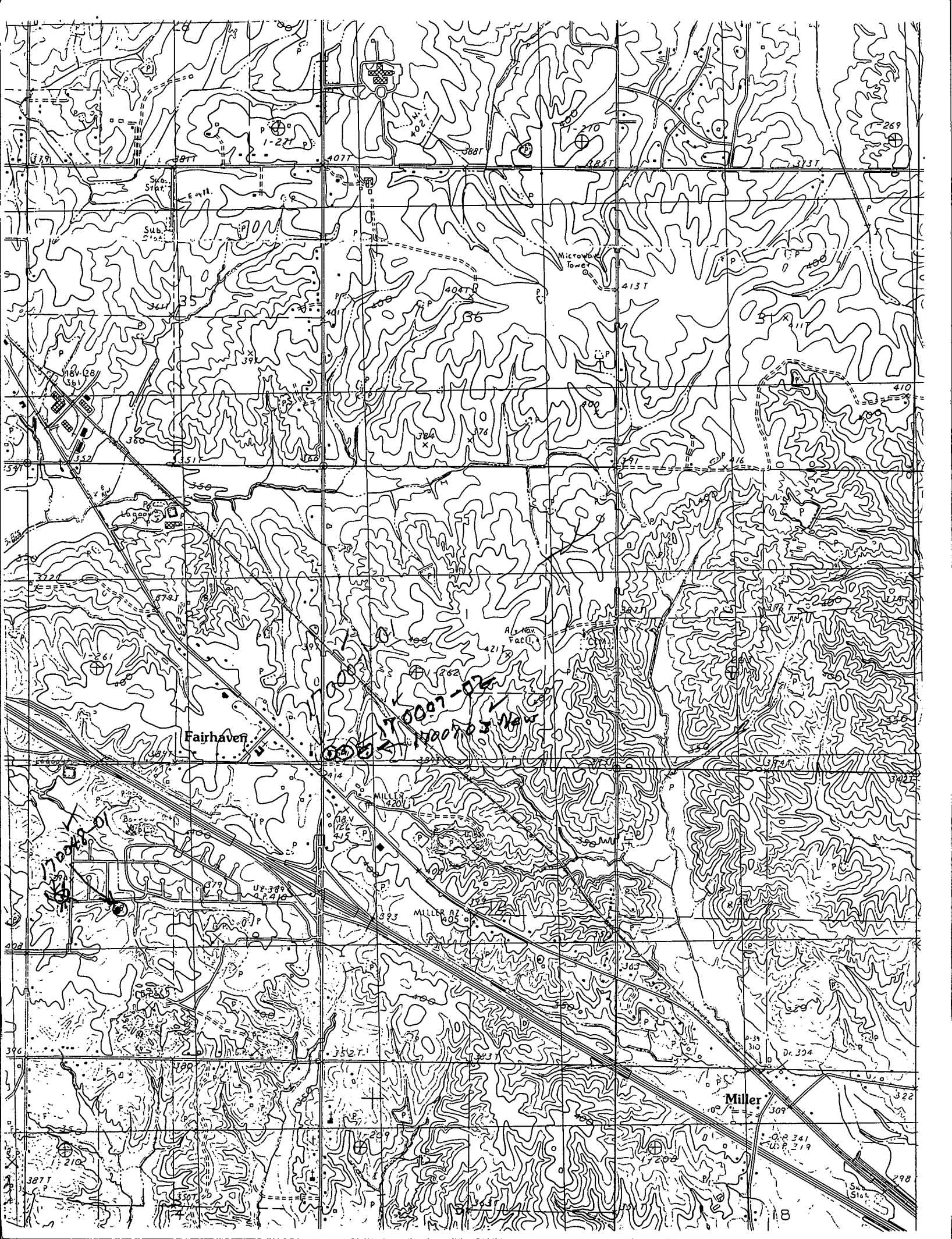
GPS LOG

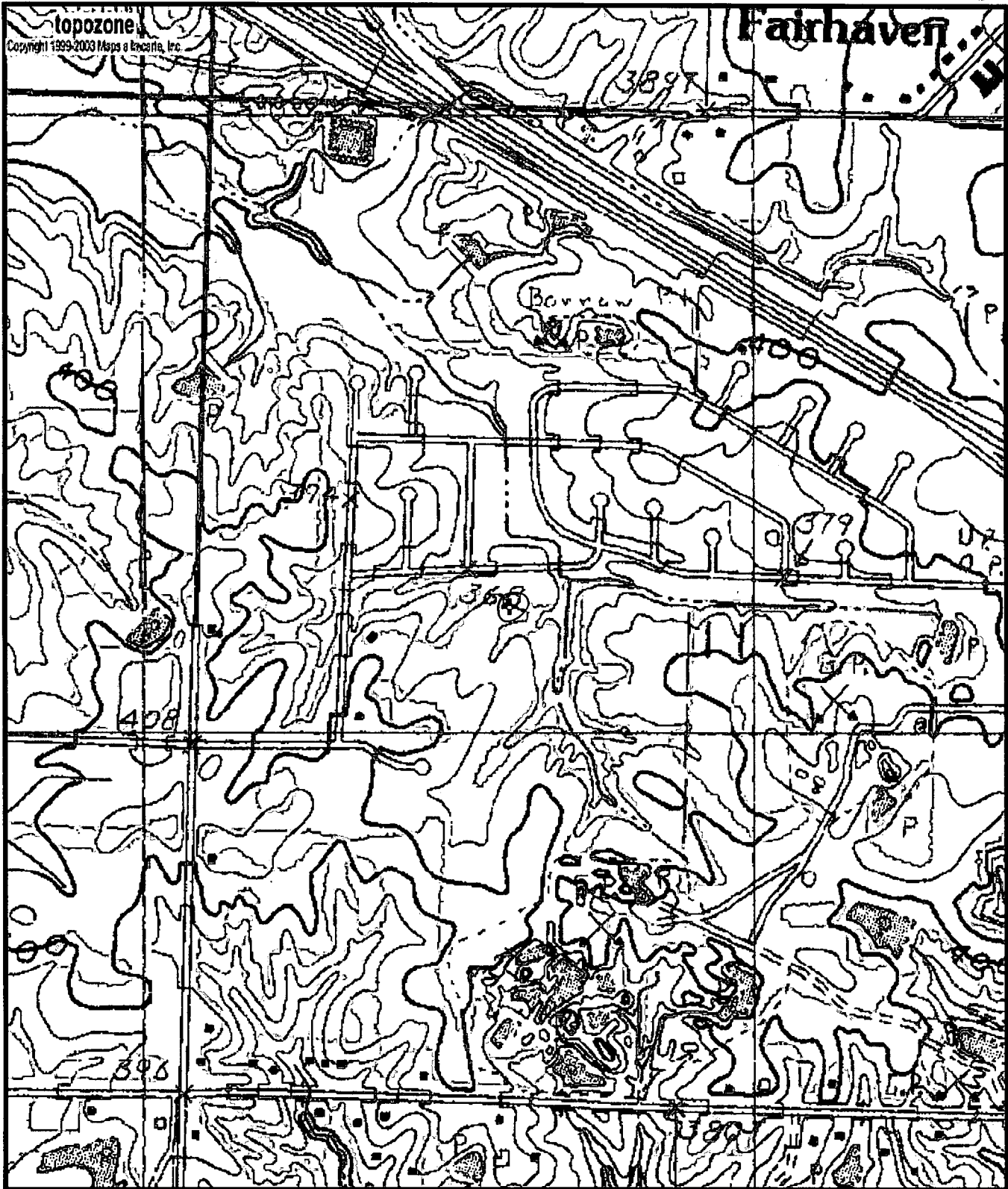
USER NAME(S): SHB + PEG 7-24-96
CAR/DKS DATE: 7/27/96
 UNIT DEQ #: 54090 FILE #: B0724226
80727100
 HEALTH DEPT. #: 170048-01 ELEV. 380
 USGS #: 531 H-61 OLWR #: MS-GW-01786
 OWNER: CITY of OLIVE BRANCH.
 LOCATION: SE/SW/NW S. 11 T. 25 R. 6W COUNTY: DESO TO
 Olive Branch Quad
 LOCATION DESCRIPTION: _____

CASING DIA: 10" PUMP TYPE & SIZE: TURBINE 25 HP
 GPS FIELD LOCATION: LAT. ~~34.553441~~ LONG. ~~89.48385W~~
34.55303
 GPS CORRECTED LOCATION: LAT. 34.92589460 LONG. ~~89.48385W~~
89.80698026

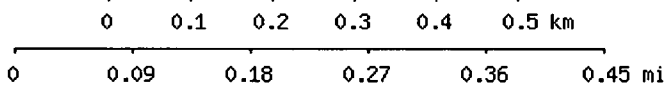
REMARKS: Hwy 187 South TO CHATELAIN RIDGE DR.
WEST .65 MI TO WATER PLANT WELL
EAST IN FRONT OF TANK







0170048-01
 6W01786
 #61



Map center is 34° 55' 33"N, 89° 48' 25"W (WGS84/NAD83)
Olive Branch quadrangle
 Projection is UTM Zone 16 NAD83 Datum

