

WELL SCHEDULE

Elog # 59

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

TRANSMITTED FOR ADP

MASTER CARD

Record by WJR Source of data Obs driller Date 9-29-71 Map Magee South

State MISS. 28 County (or town) COVINGTON 16

Latitude: 31⁴⁸ 45⁴⁸ 48^N Longitude: 08⁹ 39¹¹ 11^W Sequential number: 2

Lat-long accuracy: 2⁰ T. 9⁰ S. R. 16⁰ Sec 7 SW t. SW t. NW t. NW/NW/SW

Local well number: B020CB0709N16W Other well number: Well # 3

Local use: 184059 N7110 Owner or name: Town of Mt. Olive

Owner or name: MT OLIVE Address: _____

Overship: (C) County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist M

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instic, Unused, Reprasure, Recharge, Desal-P S, Desal-other, Other SB P

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

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

Hyd. lab. data: MOCN

Qual. water data; type: 7/78

Freq. sampling: Pumpage inventory: yes no, period: _____

Aperture cards: yes

Log data: Elog 5'-525 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: _____ ft 391 Meas. rept accuracy 3

Depth cased; (first perf.) _____ ft 347 Casing type: _____; Diam. 12x8 in 12

Finish: porous concrete, gravel w. (perfor.), (screen), gravel w. (screen), horiz. gallery, end, open perf., screen, sd. pt., shored, open hole, other G

Method Drilled: (A) air bored, (B) cable, (C) dug, (D) hyd jetted, (H) rot., (J) air percussion, (K) reverse, (L) trenching, (M) driven, (N) wash, (O) other H

Date Drilled: 11/71 971 Pump intake setting: _____ ft 1186

Driller: GRINER DRILL SERV. COLUMBIA, MISS.

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 T Deep Shallow

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 40 V Trans. or meter no. _____

Descrip. MP top of 2" vent at 1.0' 330 ft above LSD, Alt. MP _____

Alt. LSD: _____ Accuracy: Est. 325 12/3/81 4

Water Level _____ ft above MP; _____ ft below LSD 83 Accuracy: _____ A

Date meas: N71 Yield: _____ gpm 600 Method determined 4

Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs 1

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

Sp. Conduct 94 K x 10⁶ Temp. °F 210 Date sampled 7/78

Taste, color, etc. PH 6.1

12/3/81
70
5.26
64.74
1.0
63.74
325
64
261

HYDROGEOLOGIC CARD

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

D Drainage Basin: 13N Subbasin: _____

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

MAJOR AQUIFER: Tm system series _____ aquifer, formation, group CA

Lithology: US Origin: 3 Aquifer Thickness: 45 ft

Length of well open to: 45 ft Depth to top of: 44 ft 350 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: 347' - 391 8" .030

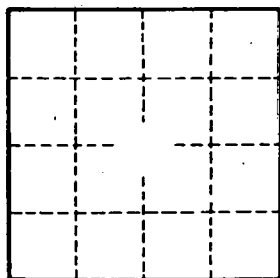
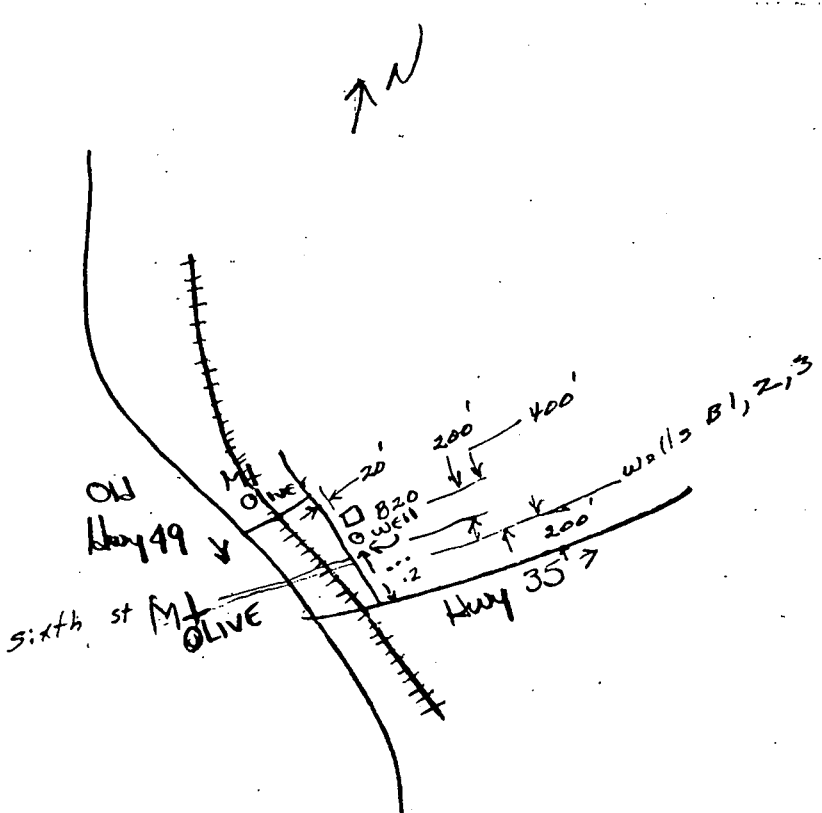
Depth to consolidated rock: _____ ft Source of data: _____

Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: 173 gpd/ft Coefficient Storage: _____

Coefficient Perm: 380 gpd/ft²; Spec cap: 10 gpm/ft; Number of geologic cards: _____



Well No. _____

ELOG# 59

DEC 3 1971

COVINGTON
BZO
12-71

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

WATER WELL DRILLERS LOG

CODED

Dec 1971 Grimee Drilling Service Covington
date well completed firm name county well located

LANDOWNER: <u>Town of</u>	description of formations encountered	from	to
<u>Mt. Olive</u>			
<u>Mt. Olive, Miss</u> (mailing address)	<u>Sand w/ Clay streaks</u>	<u>2</u>	<u>64</u>
	<u>Clay</u>	<u>64</u>	<u>128</u>
	<u>Sand, Course</u>	<u>128</u>	<u>208</u>
WELL LOCATION:	<u>Sand & Clay streaks</u>	<u>208</u>	<u>244</u>
sec <u>7</u> T <u>9</u> S R <u>16</u> E	<u>Clay</u>	<u>244</u>	<u>346</u>
<u>0</u> miles <u>0</u> of <u>Mt. Olive</u> (distance) (direction) (nearest town)	<u>Sand, Course</u>	<u>346</u>	<u>390</u>
WELL PURPOSE: <u>Municipal</u> (home, irrigation, municipal, industrial)	<u>Clay</u>	<u>390</u>	<u>446</u>
	<u>Sand</u>	<u>446</u>	<u>485</u>
	<u>Clay</u>	<u>485</u>	<u>525</u>

- WELL COMPLETION DATA:
- (1) diameter (inches) 12 X 8
 - (2) total depth (feet) 391
 - (3) static water level (feet) 63 below top of ground.
 - (4) casing Steel, 335,
(material) (depth)
12 if telescope see back.
(size)
 - (5) screen 44', 347
(length) (depth to top)
8, 304 S.S.
(size) (material)
 - (6) pump 40, 600
(HP) (yield gpm)
Elec
(type power)
 - (7) electric log yes
(yes or no)
USGS
(organization running log)
 - (8) how well bottom plugged Back
WASH valve

CODED

DRILLERS REMARKS:

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE OF 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

This box is for office use only. Dept. of Environmental Quality 3-28-2000 AGN. FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>5-8-90</u>	Office of Land & Water Resources	Fee Paid: <u>X</u>	Permit No.
Lat. <u>314557</u>	Long. <u>893909</u>	Elev. <u>330</u>	USGS No. <u>B20?</u>
Quad. <u>Map South</u>	ASCS Farm No.	STAC. <u>DL6</u>	MSDOH No. <u>160003-</u>
Aquifer: <u>MOCN</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. 6W-12503

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: Town of MT. Olive 646012098
(Name) (SSN or Tax ID No.)
Post office Drawer J P.O. Box 510
(Address)
MT. Olive MS 39119 (601) 797-3496
(City) (State & Zip) (Telephone No.)

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

(Name) (SSN or Tax ID No.)

(Address)

(City) (State & Zip) (Telephone)

NO MAP

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NW 1/4 of the SW 1/4 of Section 07, Township 09N, Range 16W, County Covington 031

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: Atoka-Miocene MISSISSIPPI DEPARTMENT OF HEALTH NO.: 160003
- Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
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: 391 feet. DRILLER: Griner Drilling Service
 - SURFACE CASING: Length 335 feet; Diameter 12 inches; Type Steel
 - SCREEN: Length 44 feet; Diameter 8 inches; Type 304 S.S.
 - PUMP: Type Electric; Size 10 in.; Capacity 662 gallons per minute; Setting depth 186 feet
 - POWER UNIT: Type Electrical; Size _____ horsepower
- PERMITTED VOLUME:
 - _____ acre-feet per year at a maximum rate of _____ gallons per minute
 - 1.66 D.O. stand million gallons per day at a maximum rate of 662 gallons per minute

0.0 (standby) (CONTINUED ON BACK) 662
M³ 2/24/00

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? _____

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 _____

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? $\frac{.28}{\text{(Volume)}}$ $\frac{2005}{\text{(Year)}}$; $\frac{.37}{\text{(Volume)}}$ $\frac{2010}{\text{(Year)}}$; $\frac{.42}{\text{(Volume)}}$ $\frac{2015}{\text{(Year)}}$; $\frac{.48}{\text{(Volume)}}$ $\frac{2020}{\text{(Year)}}$

- 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.

Loal Murphy
(Name)

P.O. Box 510
(Address)

Mount Olive, MS 39119
(City, State, Zip)

601-797-3496
(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.

Loal Murphy
(Signature)

Subscribed and sworn to before me this 6th day of December, 19 99, at Mt. Olive County of Covington

My commission expires May 15, 2000; Linda Houston Notary Public.

DISTRICT 12

FEB 03 1999

Dept. of Environmental Quality
Office of Land & Water Resources



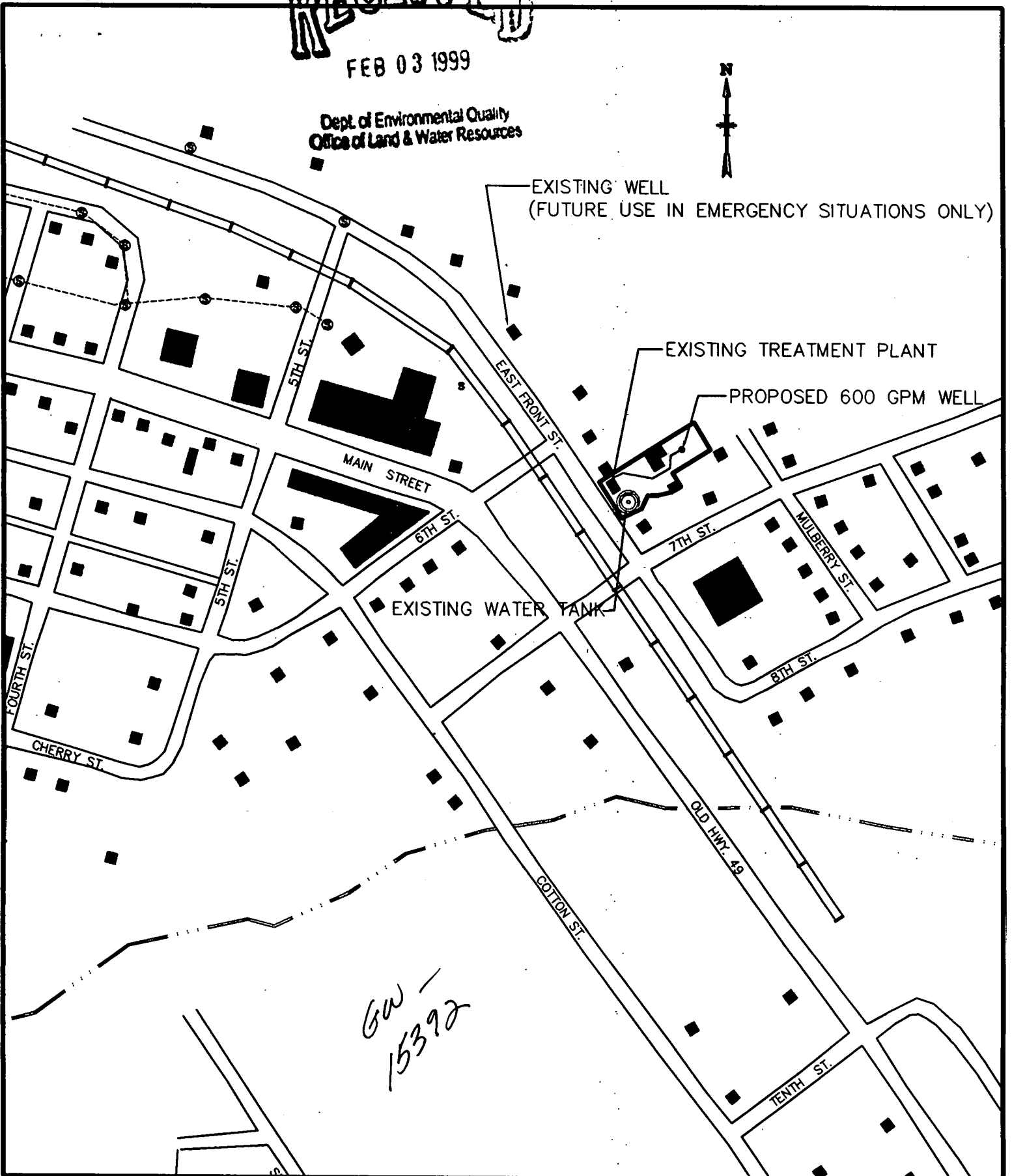
EXISTING WELL
(FUTURE USE IN EMERGENCY SITUATIONS ONLY)

EXISTING TREATMENT PLANT

PROPOSED 600 GPM WELL

EXISTING WATER TANK

GW - 15392



WILLIFORD, GEARHART & KNIGHT, INC.

ENGINEERS & SURVEYORS

DATE
1/26/99

DRAWN BY
lp

**TOWN OF MT. OLIVE
PROPOSED WATER WELL
LOCATION MAP**

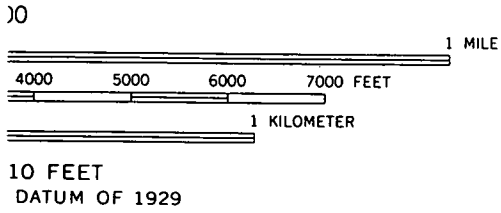
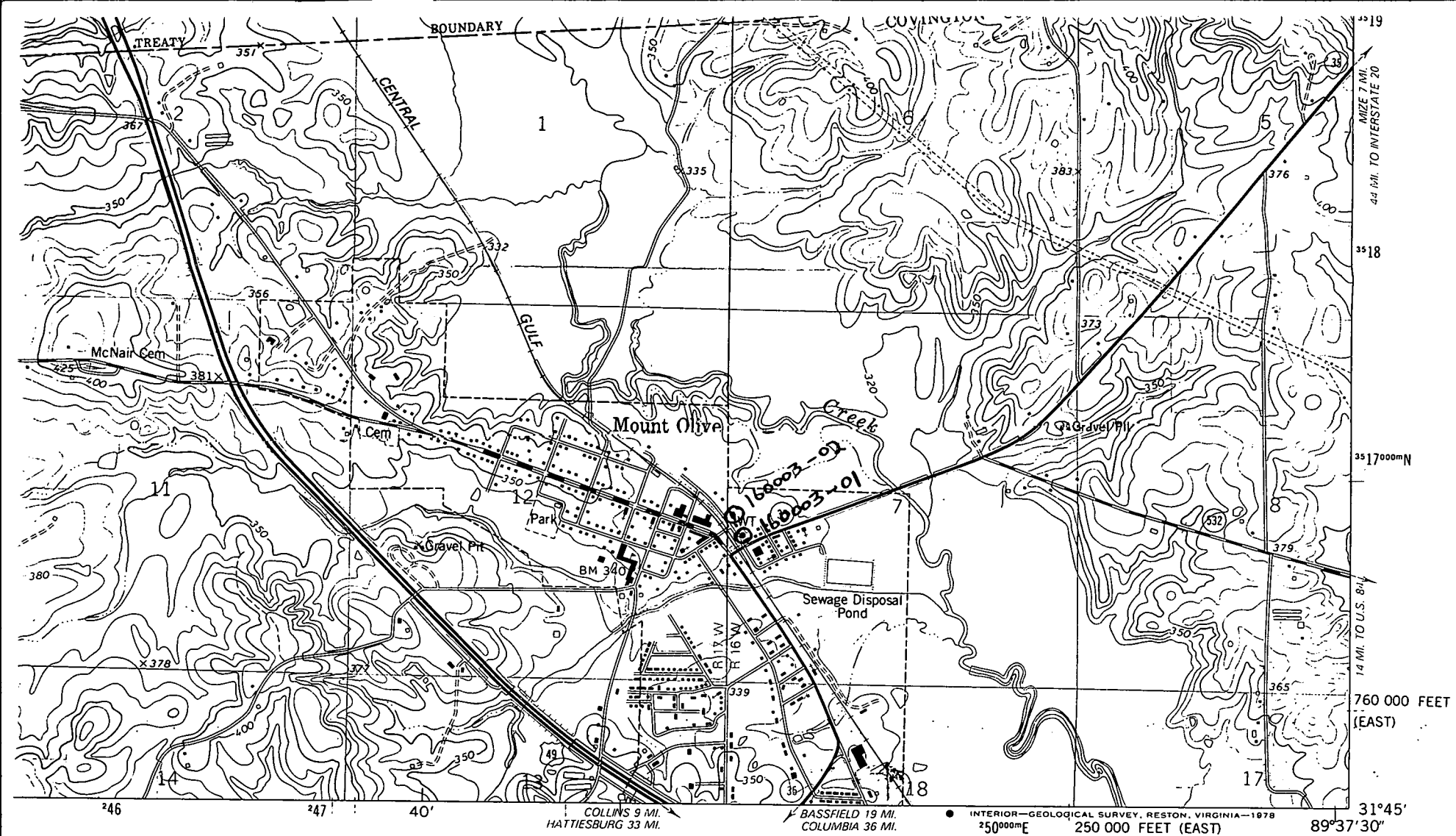
PL:COVER.DWG

SHEET NO.

SCALE
N.T.S.

VGK# - 96-250

1 OF **1**



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

MAGEE SOUTH, MISS.
N3145-W8937.5/7.5

1975

AMS 3047 I SW—SERIES V843

GPS MAP

(COLLINS)
3047 I NE

22

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 7/18/96

UNIT DEQ #: 82859 FILE #: B071816A

HEALTH DEPT. #: 160003-02 ELEV. 330

USGS #: B-20 OLWR #: MS-GW-12503

OWNER: Town of Mt. Olive QUAD: Magee South

LOCATION: NW/4-SW 7 T 9 N R 16 W COUNTY: Covington

LOCATION DESCRIPTION: In Fence NE of Intersection of Main St. And Sixth St. .10 mi. NW of Elev Tank. (Mt Olive)

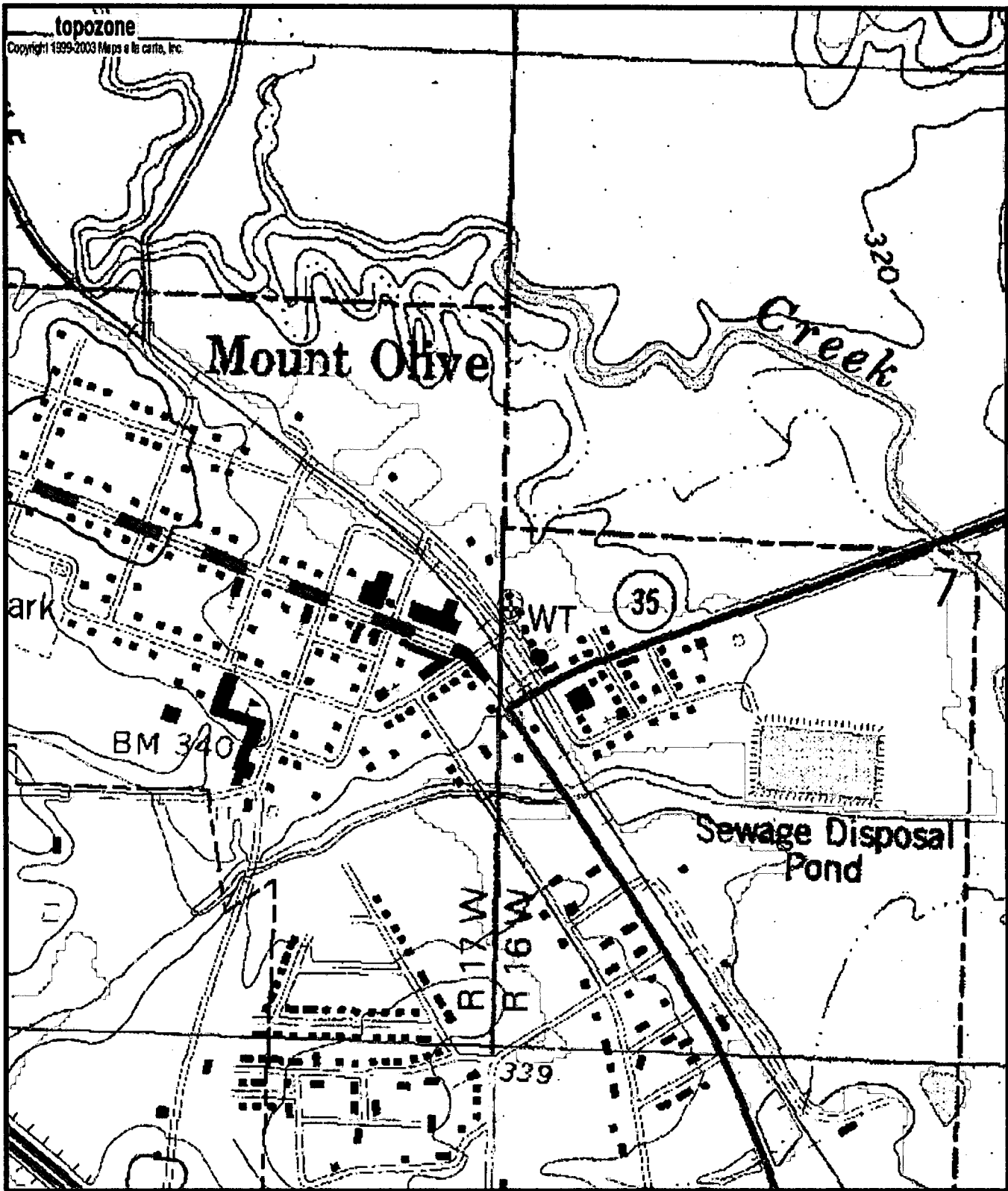
CASING DIA: 12" PUMP TYPE & SIZE: Elec. 40 HP

GPS FIELD LOCATION: LAT. 31° 45' 38.2" LONG. 89° 39' 11.6"

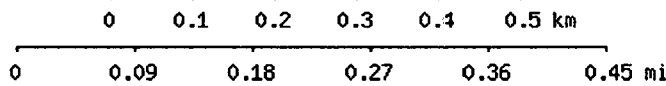
GPS CORRECTED LOCATION: LAT. 31.76168446 LONG. 89.65353296

REMARKS: GPS at Well.

This lat/long puts well
in S12T9N R17W. Moved it in
Topozone to beat water tower



016003-02
6W 12 503
B20



Map center is 31° 45' 41"N, 89° 39' 11"W (WGS84/NAD83)

Magee South quadrangle

Projection is UTM Zone 16 NAD83 Datum

M=0.094
G=-1.397