

ID 313822089334301

FORM 9-1642 (1-68)

Well No.

F 23

WELL SCHEDULE

Elog # 61

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED

MASTER CARD JCM

BOWC

Record by

Source of data

MSGS

Date 1/72

Map Collins

State

22

28

County (or town)

COVINGTON

16

Latitude:

31 38 37 N

Longitude:

08 9 33 53

Sequential number:

1

Lat-long accuracy:

3 8 16 24 NE SE SW

Local well number:

F023DC2408N16W

Other number:

#2 #1

Local use:

184061

Owner or name:

Owner or name:

COLLINS

Address:

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

M

Use of water: Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec

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

MU

P

Use of well: 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.

Hyd. lab. data:

Qual. water data: type:

MSBOW Sampled 877'

Freq. sampling:

Pumpage inventory: no, period:

Aperture cards:

CTHL

Log data:

Elog 10' - 936'

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well:

920

Meas. rept

3

Depth cased: (first perf.)

860

Casing type:

16x8

Diam.

16

Finish: porous concrete, gravel w. (perf.), (screen), (H) gallery, (O) end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other

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

Date Drilled:

1-4-72

972

Pump intake setting:

ft

Driller:

Harner Delq Sew.

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

Deep Shallow

Power (type):

nat LP diesel, elec, gas, gasoline, hand, gas, wind; H.P.

40

Trans. or meter no.

Descrip. MP

2" out of 2.1"

ft above below LSD, Alt. MP

Alt. LSD:

316

Accuracy: (source)

Water Level

ft above below MP; Ft below LSD

69

Accuracy:

Date meas:

172

Yield:

500

Method determined

Drawdown:

ft Accuracy:

Pumping period

QUALITY OF WATER DATA:

Iron ppm

Sulfate ppm

Chloride ppm

Hard. ppm

Sp. Conduct

K x 10 Temp.

Date sampled

12/3/81
106
19.55
86.45
2.1
84.35
316
84
232

Well No.

F 23

Well No. _____

Latitude-longitude _____
N
S
d m s d m s

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, (C) (E) (F) (H) (K) (L) (S) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER:

system series T M

aquifer, formation, group M Z

Lithology: _____

U S Origin: _____

3 Aquifer Thickness: _____

65 ft

65 Length of well open to: _____

ft _____

60 Depth to top of: _____

ft _____

855

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: _____

8" SS

Depth to consolidated rock: _____

ft _____

Source of data: _____

Depth to basement: _____

ft _____

Source of data: _____

Surficial material: _____

Infiltration characteristics: _____

Coefficient Trans: _____

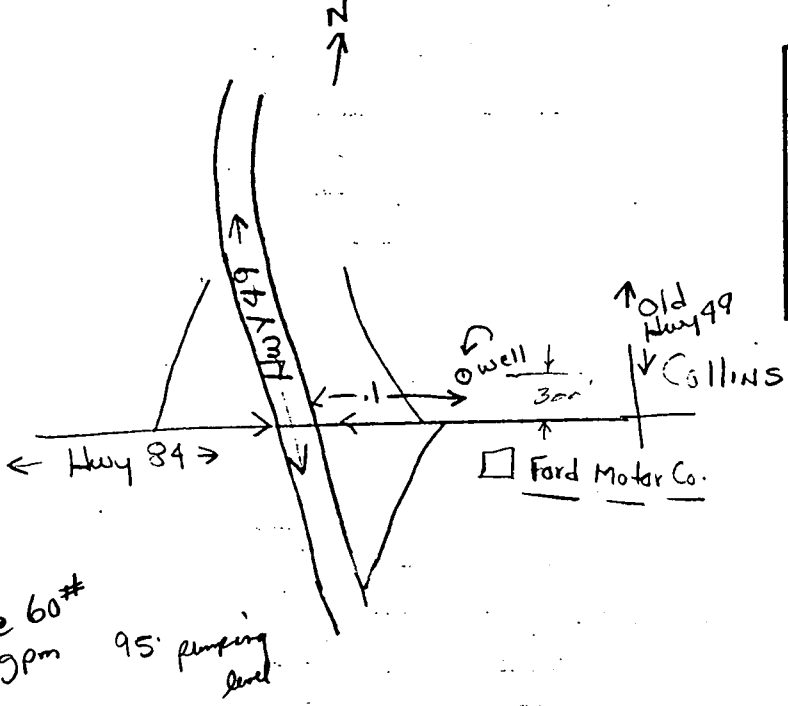
gpd/ft _____

Coefficient Storage: _____

Coefficient Perm: _____

gpd/ft²; Spec cap: _____

gpm/ft; Number of geologic cards: _____



Well No. _____

E 23

CODED

FLOG#61

COVINGTON
~~#~~ F23
3-72
Oil 26

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

WATER WELL DRILLERS LOG

MARCH 1972 KRINER DRILLING SERVICE COVINGTON
 date well completed firm name county well located

LANDOWNER: TOWN OF
COLLINS, Well No. 2
(Int. Hwy. 34 & 49)
 (mailing address)

WELL LOCATION:
 sec. 24 T. 8 N. R. 16 E.
SE 1/4 SW 1/4
 (distance) miles (direction) of (nearest town)

WELL PURPOSE:
 (home, irrigation, municipal, industrial)

- WELL COMPLETION DATA:
- diameter (inches) 16
 - total depth (feet) 920
 - static water level (feet) 67 ^{below} above top of ground.
 - casing B.I. 850'
 (material) (depth)
16" if telescope see back.
 (size)
 - screen 60 860'
 (length) (depth to top)
8" .030 slot #30+55.
 (size) (material)
 - pump 40 500
 (HP) (yield gpm)
Elect.
 (type power)
 - electric log Yes
 (yes or no)
MCS
 (organization running log)
 - how well bottom plugged Back
Wash Valve

description of formations encountered	from	to
Top Soil	0	2
Clay / Sand streaks	2	300
Sand + Clay streaks	700	520
Clay	520	570
Sand	570	600
Clay	600	690
Sand	690	720
Clay	720	730
Sand	730	750
Clay	750	770
Sand	770	790
Clay	790	85
Sand w/ shells	850	860
Clay	860	870
Sand Fine to Med.	870	920
Clay	820	92
Sand	920	930
Clay	930	930

CODED

DRILLERS REMARKS:

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

RECEIVED

AUG 04 1995

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.

1-9-96 AGN.

Mississippi Department of Environmental Quality
Office of Land & Water Resources
FORM OLVW-AP-2 REV. 9/94

Issued: <u>1-28-86</u>	Expires: <u>1-28-2006</u>	Fee Paid:	Permit No.
Lat. <u>31-38-24</u>	Long. <u>89-33-43</u>	Elev. <u>312</u>	USGS No.
Quad. <u>Collins</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>C: Hk</u>	Tract No.		Basin No. <u>3 7004</u>
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-01126

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: City of Collins 64-6000270
(Name) (SSN or Tax ID No.)

P. O. Box 400
(Address)

Collins MS 39428 (601) 765-4491
(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):

SE 1/4 of the SW 1/4 of Section 24, Township 8N, Range 16W, County Covington

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: Catahoula Formation, Lower MISSISSIPPI DEPARTMENT OF HEALTH NO.: 160002-01

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? August, 19 72. Under whose name was well originally drilled (if known)? City of Collins

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 922 feet. DRILLER: Griner Drilling Service, Inc.
(b) SURFACE CASING: Length 852 feet; Diameter 16" inches; Type Welded Steel
(c) SCREEN: Length 50' feet; Diameter 8 inches; Type 304 Stainless Steel
(d) PUMP: Type Turbine; Size 10"; Capacity 500 gallons per minute; Setting depth 167'3" feet
(e) POWER UNIT: Type RU; Size 50 horsepower

4. PERMITTED VOLUME:
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) 0.25 million gallons per day at a maximum rate of 500 gallons per minute

(CONTINUED ON BACK)

MAP SENT

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 2541 or (b) The number of connections is 927

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? $\frac{0.35}{\text{(Volume)}}$ $\frac{2000}{\text{(Year)}}$; $\frac{0.40}{\text{(Volume)}}$ $\frac{2005}{\text{(Year)}}$; $\frac{0.45}{\text{(Volume)}}$ $\frac{2010}{\text{(Year)}}$; $\frac{0.50}{\text{(Volume)}}$ $\frac{2015}{\text{(Year)}}$

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.

Peggy W. Sanford

(Name)

P. O. Box 400

(Address)

Collins, MS 39428

(City, State, Zip)

601-765-4491

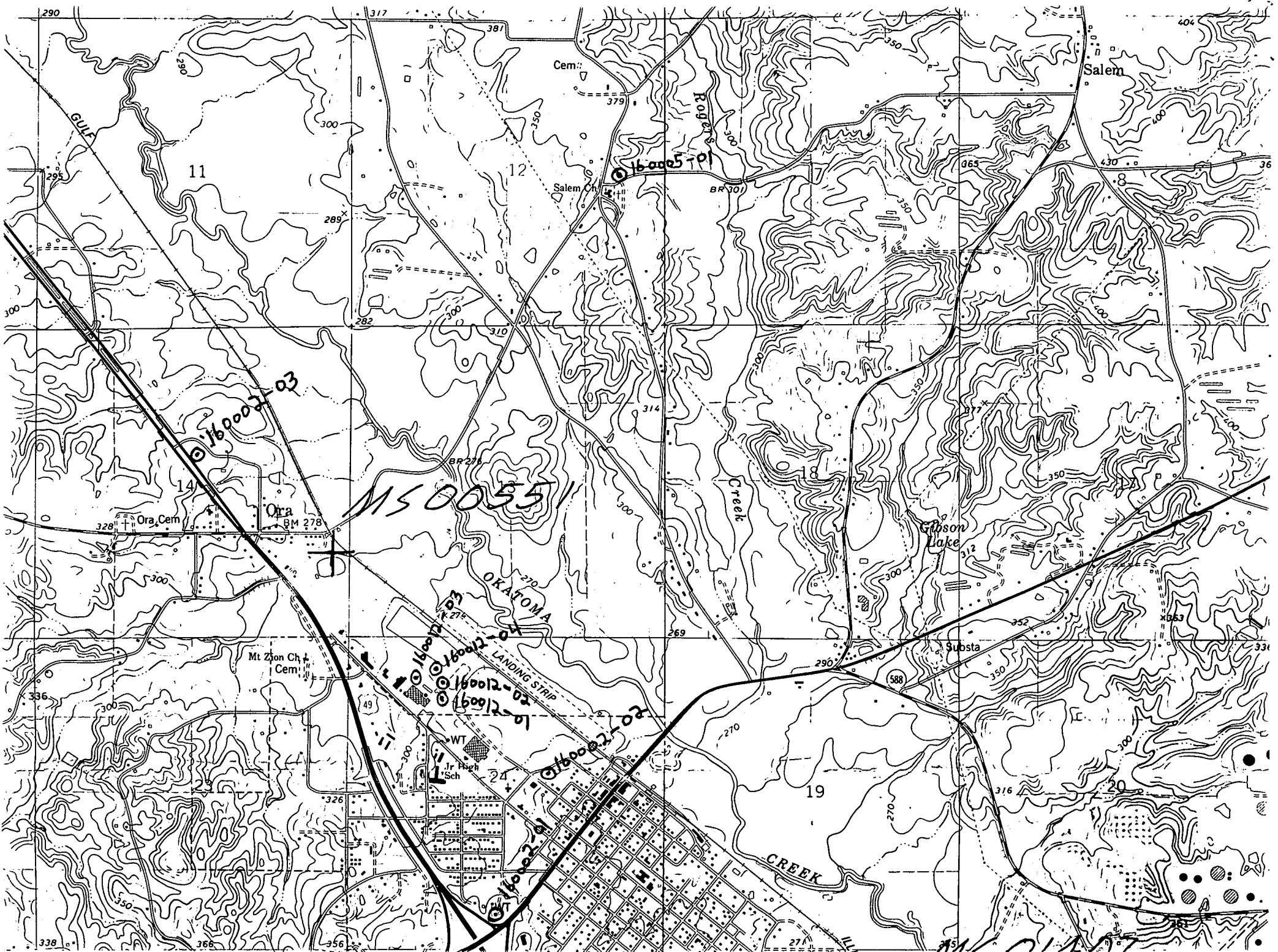
(Telephone)

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.

Peggy W. Sanford
(Signature)

Subscribed and sworn to before me this 2nd day of August, 1995, at Collins County of Covington

My commission expires Feb. 9, 1998; Robbie on Ray Notary Public.



290

317

381

404

290

300

350

350

Salem

11

12

16005-01

365

430

36

289

282

310

314

16003-03

BR 278

Salem Ch

Creek

Gibson Lake

328

Ora Cem

Ora

BM 278

MS 0055

OKATOMA

LANDING STRIP

16002-03
16002-02
16002-01

Mt Zion Ch
Cem

WT

Jr High
Sch

24

290

Substa

588

336

300

49

326

270

19

270

350

300

316

20

CREEK

338

366

356

271

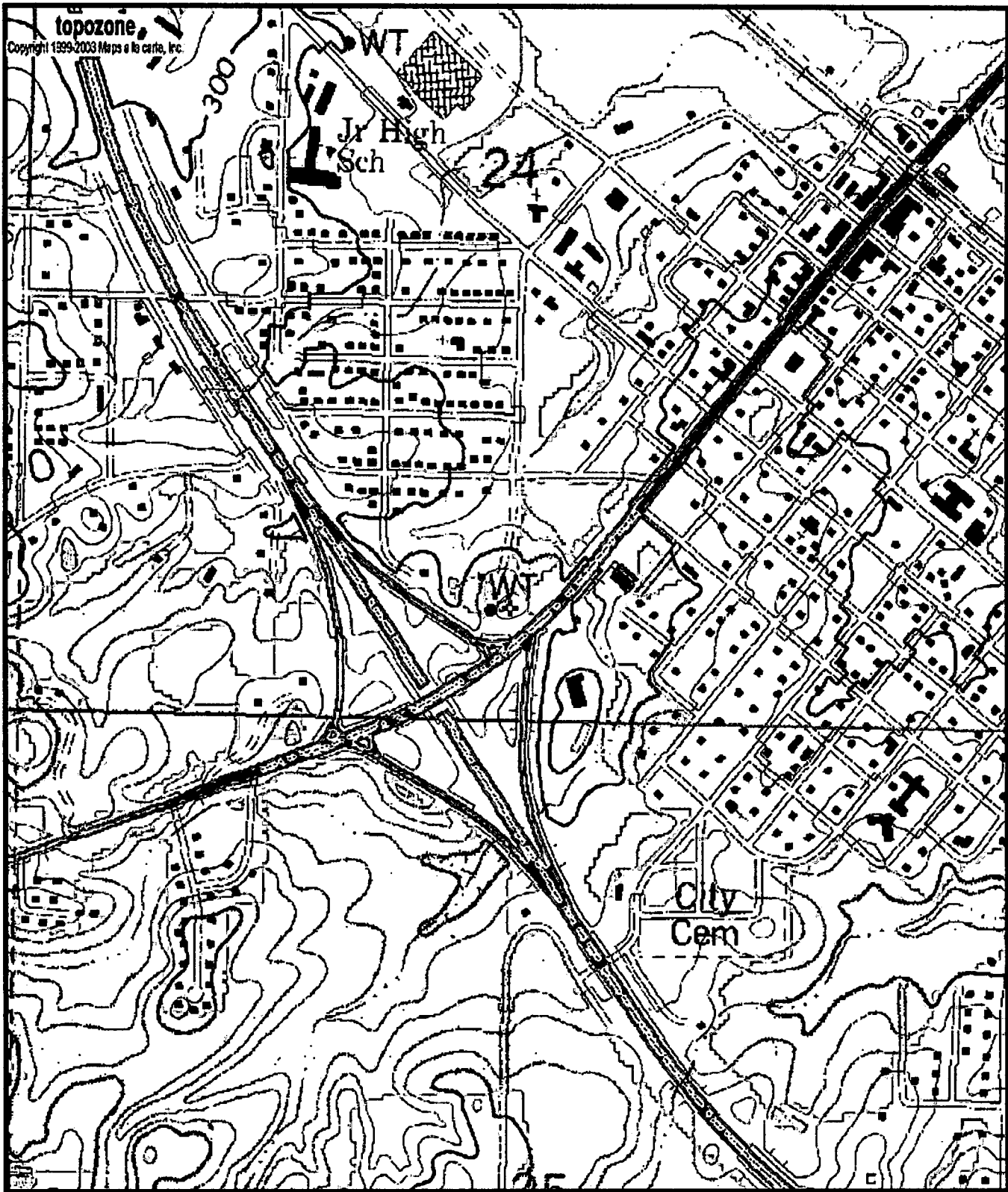
251

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

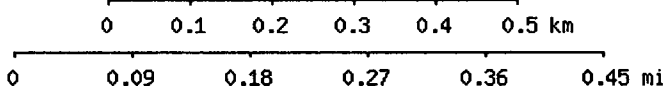
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 7/18/96
UNIT DEQ #: 82859 FILE #: B071819A
HEALTH DEPT. #: 160002-01 ELEV. 372316
USGS #: F-23 OLWR #: MS-6W-01126
OWNER: City of Collins QUAD: Collins
LOCATION: SE-SE-SW S 24 T 8N R 16W COUNTY: Covington
LOCATION DESCRIPTION: AT Elev Tank in NE Corner of Intersection
of Hwy 49 + Hwy 84. (Collins)
CASING DIA: 8" PUMP TYPE & SIZE: 50 HP Elec.
GPS FIELD LOCATION: LAT. 31° 38' 27.0" LONG. 89° 33' 40.7"
GPS CORRECTED LOCATION: LAT. 31.64020664 LONG. 89.56153282
REMARKS: GPS at well.



0160002-01
6W01126
F23



Map center is 31° 38' 25"N, 89° 33' 41"W (WGS84/NAD83)
Collins quadrangle
 Projection is UTM Zone 16 NAD83 Datum



M=0.043
 G=-1.345