

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by WTO Source of data Bowe MSGS Date 4/73 Map Williamsburg

State MISS County 218 COVINGTON Sequential number 16

Latitude: 313144 N Longitude: 0903034 Sequential number 1

Lat-long accuracy: 2 T. 7 S. R. 15 Sec 33 SW t. SW t. NE t. 600' E of center line

Local well number: K038 Other number: T.H. #2 Well #1

Local use: 084065 Owner or name: South West Covington

Owner or name: S W COVINGTON Address: Wtr. Ass.

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

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

Hyd. lab. data:

Qual. water data; type:

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

Aperture cards:  yes

Log data: E log 10' - 1018' D.E

NW/NW/SE

12/4151  
195  
15.00  
180.00  
2.0  
178.20  
373  
178  
195

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 9.62 Meas. 3

Depth cased: split screen 8.72 Casing type: 8x6 in 8

Finish: porous concrete, gravel w. (perf.), (screen), gravel w. (screen), horz. gallery, open end, other S

Method: (A) air, (B) bored, (C) cable, (D) dug, (H) hyd, (J) jetted, (P) air, (R) reverse, (T) trenching, (V) driven, (W) drive, (X) wash, other H

Date Drilled: 3-9-73 9:73 Pump intake setting: 30 38

Driller: GRINER COLUMBIA

Lift (type): (A) air, (B) bucket, (C) cent, (J) multiple, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other T Deep  Shallow

Power (type): (nat) diesel, elec, gas, gasoline, hand, gas, wind; (LP) 25 V Trans. or meter no. 41

Descrip. MP 2" vent at 2.0' ft above LSD, Alt. MP 47 3

Alt. LSD: 373 Accuracy: ok T 47 3

Water Level: 1156 Accuracy: 52 D

Date meas: 373 Yield: 200 Method determined 61

Drawdown: 373 Accuracy: 63 Pumping period: 66 68

QUALITY OF WATER DATA: Iron 69 Sulfate 70 Chloride 71 Hard. 72

Sp. Conduct 73 Temp. 74 76 Date sampled 77 79

Taste, color, etc.

Well No. W 38

**HYDROGEOLOGIC CARD**

**SAME AS ON MASTER CARD** Physiographic Province: 03 **Section:** \_\_\_\_\_

Drainage Basin: D 13N **Subbasin:** \_\_\_\_\_

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

**MAJOR AQUIFER:** \_\_\_\_\_ TM \_\_\_\_\_ CA \_\_\_\_\_  
 system series aquifer, formation, group

Lithology: \_\_\_\_\_ US Origin: \_\_\_\_\_ 3 Aquifer Thickness: 95 ft

Length of well open to: 9.5 ft Split Depth to top of: 4.0 ft 870 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: 6" S.S.

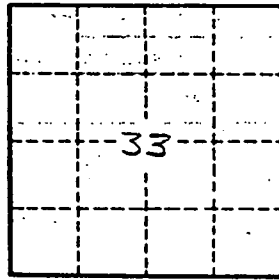
Depth to consolidated rock: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: \_\_\_\_\_ gpd/ft Coefficient Storage: \_\_\_\_\_

Coefficient Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_



Well No.

K38

COVINGTON  
K 38  
log # 65

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

**CODED**

1973 Griner Drilling Service Covington  
date well completed firm name county well located

LANDOWNER: <u>SW Covington</u>	description of formations encountered	from	to
<u>Water Assn. Well No. 1</u>	<u>Top Soil</u>	<u>0</u>	<u>2</u>
<u>1</u> (mailing address)	<u>Coarse Sand + Gravel</u>	<u>2</u>	<u>127</u>
	<u>Clay</u>	<u>127</u>	<u>389</u>
	<u>Sand</u>	<u>389</u>	<u>443</u>
WELL LOCATION: <u>SW 1/4 SW 1/4 N 7 W</u>	<u>Clay</u>	<u>443</u>	<u>613</u>
sec. <u>33 T 7 N R 15 E</u>	<u>Sand</u>	<u>613</u>	<u>642</u>
<u>3</u> miles <u>SW</u> of <u>Seminary</u>	<u>Clay</u>	<u>642</u>	<u>648</u>
(distance) (direction) (nearest town)	<u>Sand + Clay streaks</u>	<u>648</u>	<u>682</u>
WELL PURPOSE: (home, irrigation, <u>municipal</u> , industrial)	<u>Clay with streaks of rock</u>	<u>682</u>	<u>784</u>
WELL COMPLETION DATA:	<u>Sand, fine</u>	<u>784</u>	<u>812</u>
(1) diameter (inches) <u>8 5/8</u>	<u>Clay</u>	<u>812</u>	<u>872</u>
(2) total depth (feet) <u>962</u>	<u>Sand</u>	<u>872</u>	<u>898</u>
(3) static water level (feet) <u>180</u> <u>below</u> top of ground.	<u>Clay</u>	<u>898</u>	<u>902</u>
(4) casing <u>P.I.</u> (material), <u>870</u> (depth)	<u>Sand</u>	<u>902</u>	<u>922</u>
<u>8 7/8"</u> (size) If telescope see back.	<u>Clay</u>	<u>922</u>	<u>933</u>
(5) screen <u>40'</u> (length), <u>872'</u> (depth to top)	<u>Sand</u>	<u>933</u>	<u>963</u>
<u>6"</u> (size), <u>304 S.S. (.010)</u> (material)	<u>Clay, sand</u>	<u>963</u>	<u>1004</u>
(6) pump <u>20</u> (HP), <u>200</u> (yield gpm)			
<u>Elect.</u> (type power)			
(7) electric log <u>Yes</u> (yes or no)			
<u>MGS</u> (organization running log)			
(8) how well bottom plugged <u>Back Wash Valve</u>			
DRILLERS REMARKS:			

872  
10  
882

872 - 882  
902 - 912  
942 - 942

RECEIVED

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

MAY 30 2000

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

Table with 4 columns: Issued, Expires, 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. GW-12490

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: SOUTHWEST COVINGTON UTILITY ASSN (Name) (SSN or Tax ID No.) P.O. Box 160 (Address) SEMINARY (City) MS 39479 (State & Zip) (601) 765-0307 (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): NW 1/4 of the SE 1/4 of Section 33, Township 07N, Range 15W, 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: MIOCENE MISSISSIPPI DEPARTMENT OF HEALTH NO.: 160009-01 2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_. If well has already been drilled, when was well completed (date)? \_\_\_\_\_, 19\_\_\_\_. Under whose name was well originally drilled (if known)? \_\_\_\_\_ 3. Description of proposed or completed well: (a) DEPTH OF WELL: 962 feet. DRILLER: GRINER DRILLING SERVICE (b) SURFACE CASING: Length 872.870 feet; Diameter 8 5/8 inches; Type STEEL WELDED (c) SCREEN: Length 40.10 feet; Diameter 6 inches; Type BAR WELD 304 S.S. (d) PUMP: Type \_\_\_\_\_; Size \_\_\_\_\_; Capacity 200 gallons per minute; Setting depth 238'-10" feet (e) POWER UNIT: Type VHS ELECTRIC MOTOR; Size 25 horsepower

4. PERMITTED VOLUME: (a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute (b) 1006 0.1 million gallons per day at a maximum rate of 200 gallons per minute 0.09 M^3 / 6/100 (CONTINUED ON BACK) 200

**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

Chose "a" or "b". (a) The number of people served is 3210 or (b) The number of connections is 1094

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? .275 2005; .285 2010; .295 2015; .305 2020  
(Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)

ESTIMATES ARE TOTAL FOR SYSTEM, CURRENTLY THREE WELLS

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: NUMBER OF CONNECTIONS IS APPROXIMATE, VARIES WITH SOME SLOW GROWTH AND PROJECT GROWTH IS BEST ESTIMATE ONLY

List below the person to be contacted for additional information if required.

Ronny C. Thompson Ronny C. Thompson  
(Name)

189 Hughes Rd.  
(Address)

Collins, MS 39428  
(City, State, Zip)

22-9358 Home 601-765-0307  
(Telephone) WORK

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.

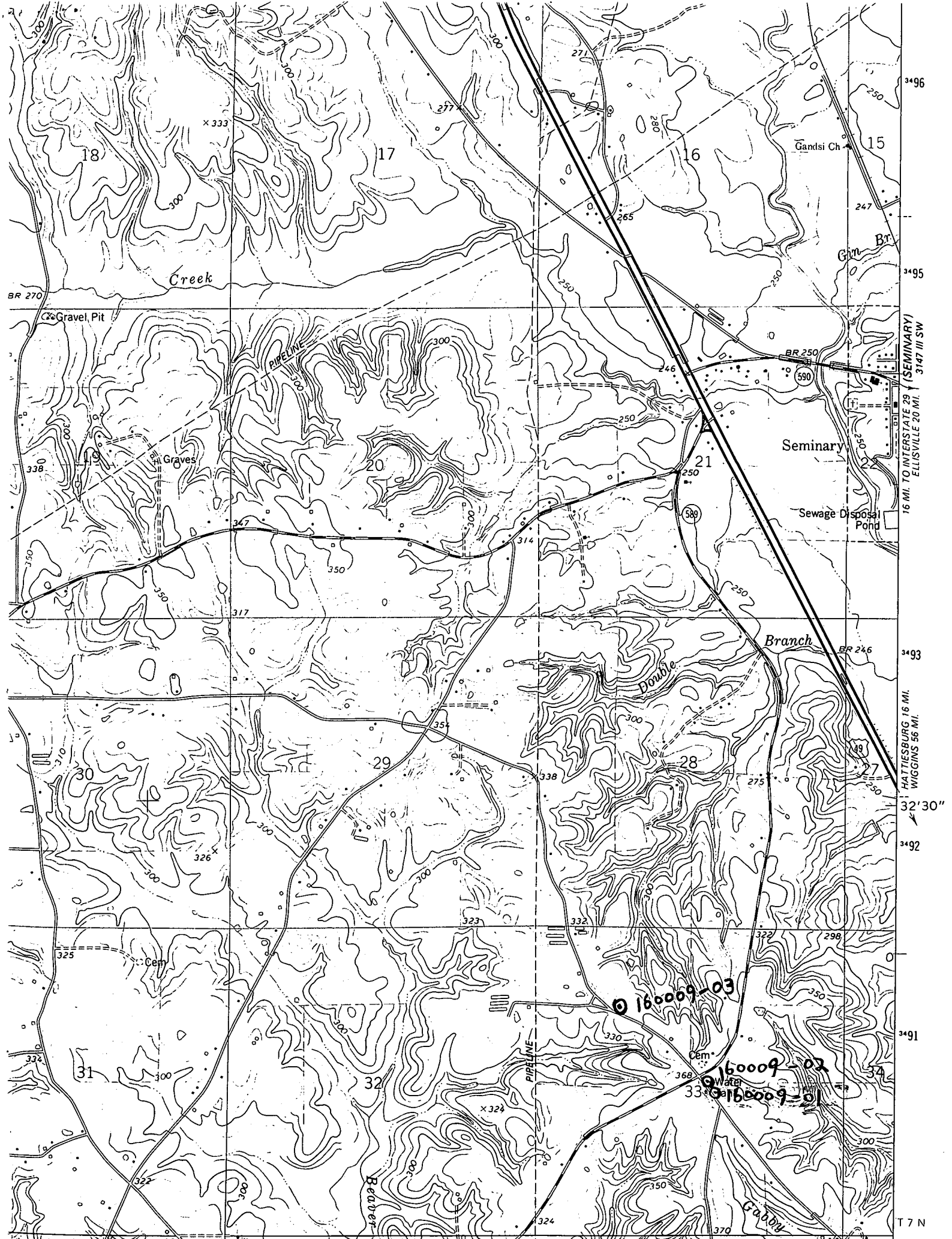
Ronny C. Thompson  
(Signature)



Subscribed and sworn to before me this 25 day of May, 2000, at 1:35 pm County of Covington

My Commission Expires Jan. 5, 2004; Ann F. Bullock Notary Public.

Ann F. Bullock  
By Jennifer Bonaise



3496

3495

16 MI. TO INTERSTATE 29 (SEMINARY)  
ELLISVILLE 20 MI. 3147 III SW

3493

HATTIESBURG 16 MI.  
WIGGINS 56 MI.

32'30"

3492

3491

T 7 N

T 6 N

18

17

16

15

20

21

29

28

30

31

32

33

Creek

Gandsi Ch

Gandy Br

Seminary

Sewage Disposal Pond

Branch

Double

160009-03

160009-02

160009-01

BR 270

Gravel Pit

PIPELINE

Graves

BR 250

BR 246

PIPELINE

Barber

Gandy

x 333

x 317

350

354

326

325

300

322

300

x 324

324

370

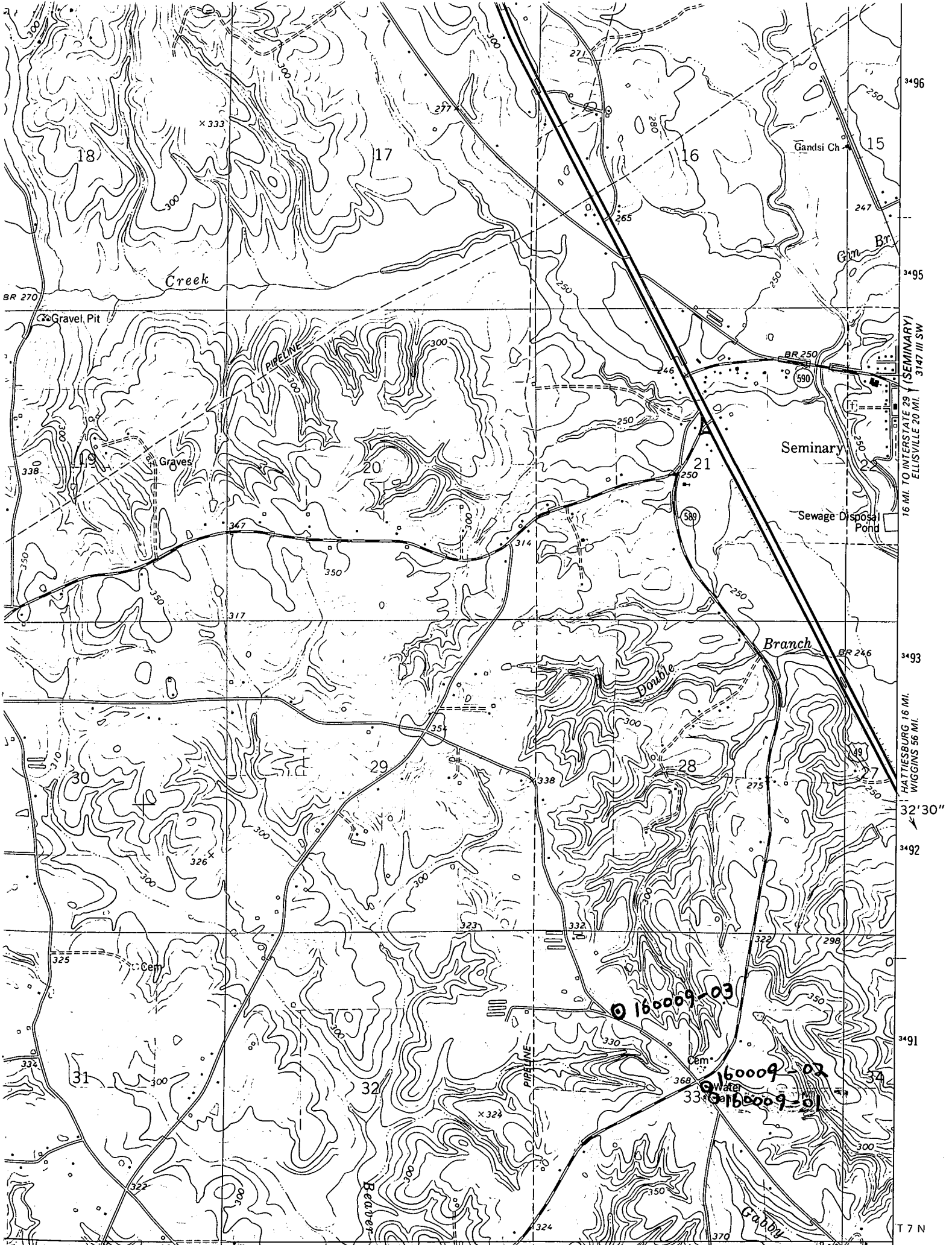
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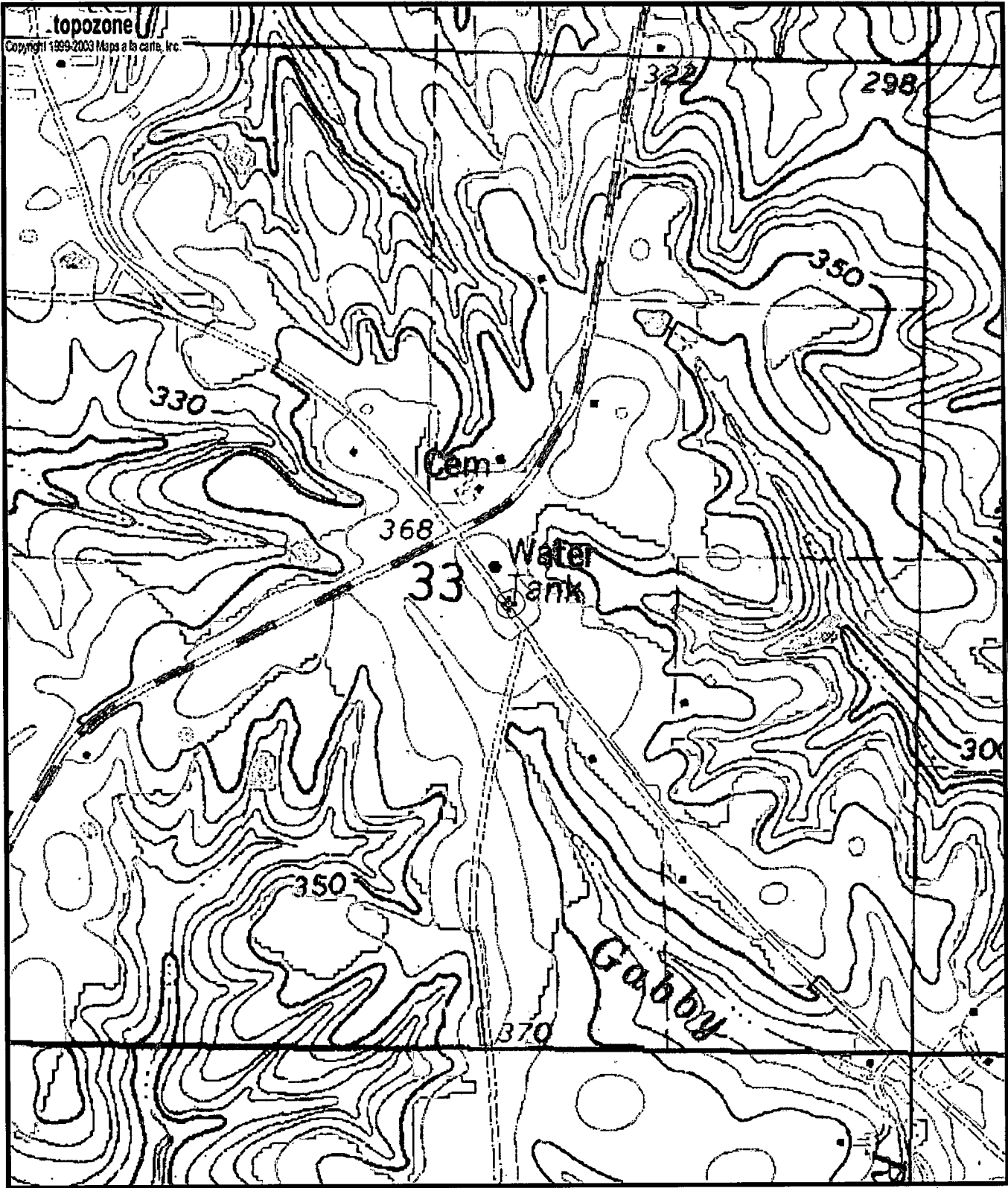
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DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 7/19/96  
UNIT DEQ #: 82859 FILE #: B071918A  
HEALTH DEPT. #: 160009-01 ELEV. 369 373  
USGS #: ~~K-35~~ K38 OLWR #: M5-GW-1249/12490  
OWNER: Southwest Covington Water Assoc. QUAD: Williamsburg  
LOCATION: NW-NW-SE S 33 T 7N R 15W COUNTY: Covington  
LOCATION DESCRIPTION: At Elev. Tank at Intersection of Hwy 589  
& Union Church Rd. / 2.20 mi. SW of Hwy 49 (Seminary)  
CASING DIA: 8" PUMP TYPE & SIZE: 25 HP - Elec.  
GPS FIELD LOCATION: LAT. 31° 31' 41.7" LONG. 89° 30' 35.9"  
GPS CORRECTED LOCATION: LAT. 31.52798856 LONG. 89.50997440  
REMARKS: GPS at well.  
(Well is SE of Elev. Tank.)



0160009-01  
GW12490  
K38

0 0.1 0.2 0.3 0.4 0.5 km  
 0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 31° 31' 41"N, 89° 30' 36"W (WGS84/NAD83)  
**Williamsburg** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

M  
 G  
 M=0.018  
 G=-1.313