

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by J. E. Shell Source of data Drivt E Log Date 1-26-70 Map Collins

State Miss County (or town) Covington 16

Latitude: 31 40 30 N Longitude: 089 33 15 Sequential number: 1

Lat-long accuracy: 3 T. 8 S. R. 16 Sec. 12 NE NW NE SE

Local well number: F 0 1 9 D A 1 2 0 8 N 1 6 W Other number: _____

Local use: 184053 Owner or name: Salem Wtr. Assoc

Owner or name: SALEM W. A. Address: _____

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

Use of water: (A) Air cond, (B) Bottling, (C) Comm., (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Instat, (N) Unused, (O) Reprasure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other WA P

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed. W

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

Hyd. lab. data: _____

Qual. water data; type: MSBON 4/10 USGS 1/74

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

Aperture cards: _____ CTHL yes

Log data: E Log run 10'-910' NO samples D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 70 910 ft 662 Meas. rept accuracy 3

Depth cased; (first perf.) ft 570 Casing type: Steel; Diam. 10 X 6 in 10

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

Method Drilled: (A) air bored, (B) cable, (C) dug, (D) hyd jetted, (E) air rot., (F) reverse, (G) trenching, (H) driven, (I) drive wash, (J) other H

Date Drilled: 970 Pump intake setting: _____ ft _____

Driller: Griner Drlg. Serv. name address

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.P. 25 Trans. of meter no. _____

Descrip. MP 2" water at 1.7' 375 ft below LSD, Alt. MP 375

Alt. LSD: 380(R) 380 Accuracy: 375 BEW 12/13/81 5

Water Level 126 ft above below MP; Ft 126 LSD 126 Accuracy: _____

Date meas: 370 Yield: _____ gpm 212 Method determined _____

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

QUALITY OF WATER DATA: Iron 3 Sulfate 13 Chloride 0 Hard. 30

Sp. Conduct 205 K x 10⁶ 2 Temp. 210 Date sampled 470

Taste, color, etc. pH = 7.2

134
143
65
75

12/1/81
140
5.78
134.22
1.2
132.52
375
133
242

PUNCHED AND VERIFIED
COLLATERAL DATA SHEET NO. 1
Well No. F19

Well No. 19

Latitude-longitude

N
S

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 0:3 Section: _____

Drainage Basin: D Subbasin: 1:3:N

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: system _____ series T M aquifer, formation, group M:Z

Lithology: U S Origin: 3 Aquifer Thickness: 79 ft

Length of well open to: _____ ft 52 Depth to top of: _____ ft 566

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 5/8" dia 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: _____

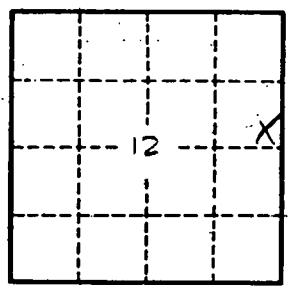
Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

sand-566-606
sand-624-663

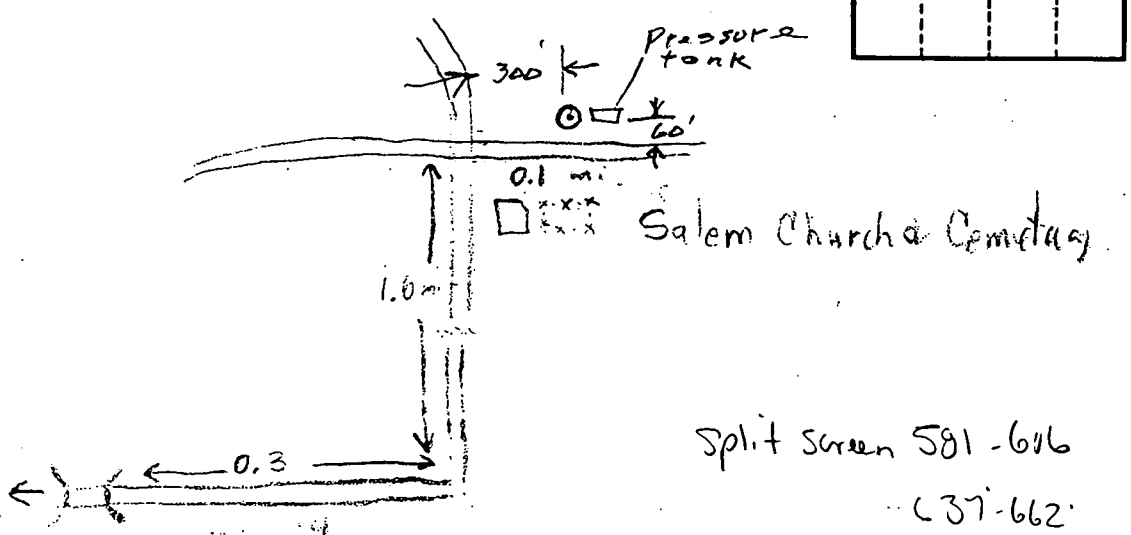


581-606-E
637-662'
25'
31' blon

5 7/8" casing



19.2



Well No.

Covington
F 19
3-12-70
GW 01308

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

CODED

WATER WELL DRILLERS LOG

12 Mar 19 70 Forner Drilling Service Covington
date well completed firm name county well located

LANDOWNER: <u>Salem Water Ass'n.</u>	description of formations encountered	from	to
<u>Rouffignac County, Miss</u> <small>(mailing address)</small>			
WELL LOCATION: sec. <u>12</u> T. <u>3</u> N. R. <u>16</u> W <u>4</u> miles <u>NE</u> of <u>Follins</u> <small>(distance) (direction) (nearest town)</small>	<u>Top Soil</u>	<u>0</u>	<u>2</u>
WELL PURPOSE: <u>Municipal</u> <small>(home, irrigation, municipal, industrial)</small>	<u>Clay</u>	<u>2</u>	<u>160</u>
WELL COMPLETION DATA:	<u>Sand</u>	<u>160</u>	<u>305</u>
(1) diameter (inches) <u>10x6</u>	<u>Clay</u>	<u>305</u>	<u>320</u>
(2) total depth (feet) <u>662</u>	<u>Sand</u>	<u>320</u>	<u>358</u>
(3) static water level (feet) <u>126</u> below top of ground.	<u>Sand w/ Shale Banks</u>	<u>358</u>	<u>520</u>
(4) casing <u>Steel</u> <u>570'</u> <small>(material) (depth)</small>	<u>Clay</u>	<u>520</u>	<u>566</u>
<u>103/4</u> telescope see back. <small>(size)</small>	<u>Sand</u>	<u>566</u>	<u>606</u>
(5) screen <u>52'</u> <u>580</u> <small>(length) (depth to top)</small>	<u>Clay</u>	<u>606</u>	<u>624</u>
<u>6 5/8</u> <u>Stainless Steel</u> <small>(size) (material)</small>	<u>Sand</u>	<u>624</u>	<u>663</u>
(6) pump <u>2.5</u> <u>212</u> <small>(HP) (yield gpm)</small>			
<u>Electric</u> <small>(type power)</small>			
(7) electric log <u>yes</u> <small>(yes or no)</small>			
<u>USGS</u> <small>(organization running log)</small>			
(8) how well bottom plugged <u>Back</u> <u>was a valve</u>			
DRILLERS REMARKS: <u>See Back</u>			

MAR 15 1970

MISSISSIPPI
 WATER COMMISSION

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

RECEIVED

AUG 02 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. 3-12-96 AGN.

Issued: <u>2-11-86</u>	Expires: <u>2-11-2006</u>	Fee Paid: <input checked="" type="checkbox"/>	Permit No. <u>GW-1308</u>
Lat. <u>31 40 27</u>	Long. <u>89 33 20</u>	Elev. <u>375' A</u>	USGS No.
Quad. <u>Collins</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>CTHL</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** RENEWAL - PERMIT NO. MS-GW-01308

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: SALEM WATER ASSOCIATION (Name) (SSN or Tax ID No.)
RT. 4, Box 280 (Address)
COLLINS, MS 39428 (601) 765-6283 (City) (State & Zip) (Telephone No.)

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

JAMES E. HERRIN (Name) 428-90-1935 (SSN or Tax ID No.)
RT. 4, Box 280 (Address)
COLLINS, MS 39428 (601) 765-6283 (City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
NE 1/4 of the SE 1/4 of Section 12, 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 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: Archaean MISSISSIPPI DEPARTMENT OF HEALTH NO.: _____
- Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? _____, 19 70. Under whose name was well originally drilled (if known)? _____
- Description of proposed or completed well:
 - DEPTH OF WELL: 662 feet. DRILLER: Gumer
 - SURFACE CASING: Length 570 feet; Diameter 10" inches; Type Steel
 - SCREEN: Length 26 feet; Diameter 6" inches; Type S.S.
 - PUMP: Type Elec.; Size 25 H.P.; Capacity 242 gallons per minute; Setting depth _____ feet
 - POWER UNIT: Type _____; Size _____ horsepower
- PERMITTED VOLUME:
 - _____ acre-feet per year at a maximum rate of _____ gallons per minute
 - 0.11 million gallons per day at a maximum rate of 212 gallons per minute
206 (CONTINUED ON BACK) 212

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 257

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? $\frac{45,000}{\text{(Volume)}} \frac{2,000}{\text{(Year)}}; \frac{100,000}{\text{(Volume)}} \frac{2,000}{\text{(Year)}}; \frac{107,000}{\text{(Volume)}} \frac{2,010}{\text{(Year)}}; \frac{120,000}{\text{(Volume)}} \frac{2,020}{\text{(Year)}}$

- 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.

JAMES E. HERRIN
(Name)

RT. 4, Box 280
(Address)

COLLINS, MS 39428
(City, State, Zip)

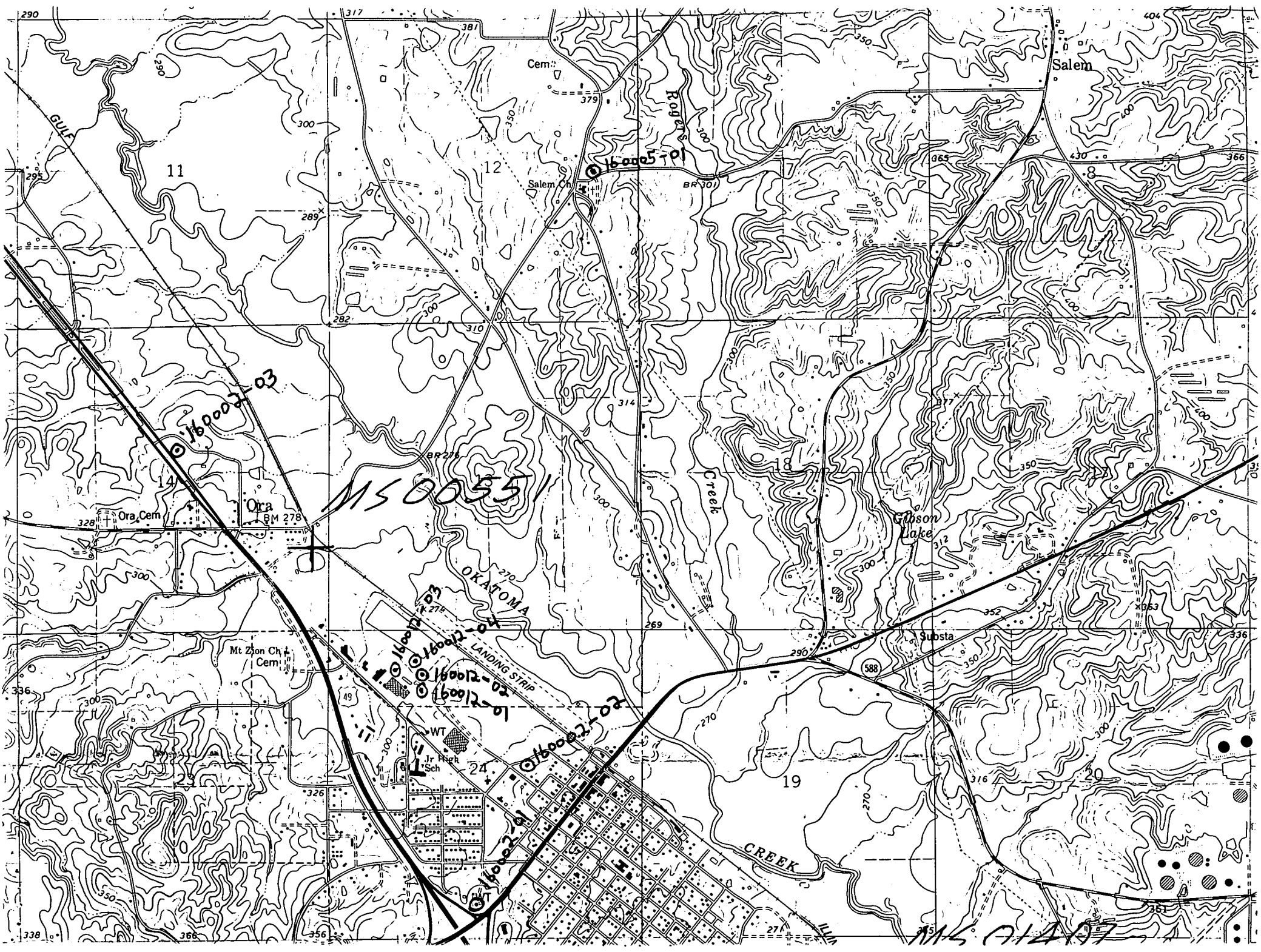
601-765-6283
(Telephone)

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.

James E. Herrin
(Signature)

Subscribed and sworn to before me this 31 day of JULY, 1995, at Collins, MS County of Carrollton

My commission expires 12-31-95; [Signature] Notary Public.



11

12

14

OKAYOMA

LANDING STRIP

WT

Jr High Sch

24

19

CREEK

Salem

Cem

Salem Ch

Gibson Lake

Substa

Mt Zion Ch Cem

Ora BM 278

Ora Cem

160005-01

160003-03

MS 0055

160017-03

160012-04

160012-02

160012-01

160021-01

160021-02

160021-03

160021-04

160021-05

160021-06

160021-07

160021-08

MS 01407

290

295

328

336

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317

289

326

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300

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271

379

314

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270

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300

290

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270

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365

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430

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404

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366

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316

271

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

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

UNIT DEQ #: 82859 FILE #: B071821C

HEALTH DEPT. #: 160005-01 ELEV. 375

USGS #: F-019 OLWR #: MS-6W-01308

OWNER: Salem Water Assoc. QUAD: Collins

LOCATION: NW-NE-SE S 12 T 8N R 16W COUNTY: Covington

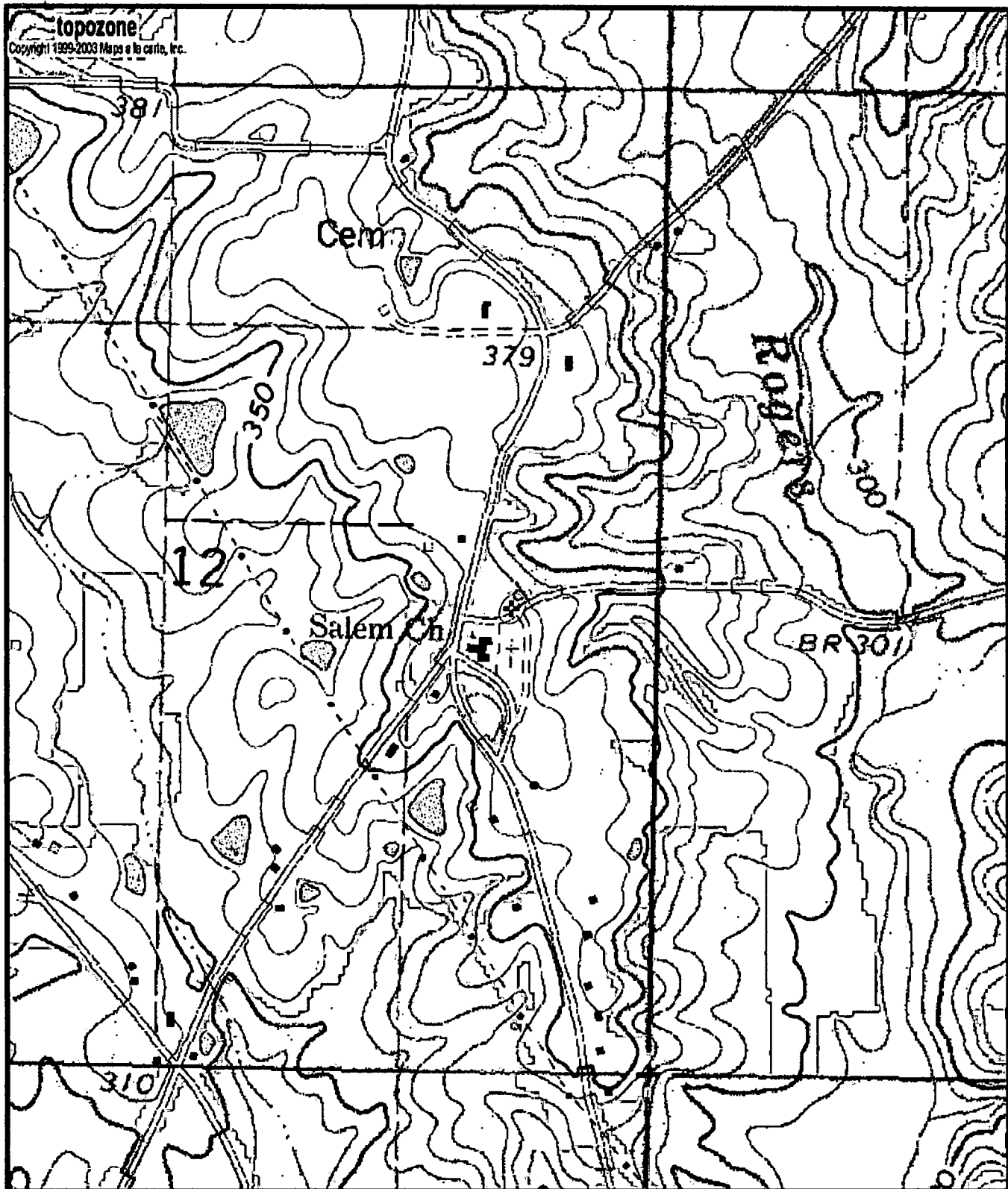
LOCATION DESCRIPTION: AT Ground Tank in NE corner of Intersection
of Salem-Church Rd & Cagle Rd. / 1.6 mi. N of Hwy 84 E.
(Collins.)

CASING DIA: 10" PUMP TYPE & SIZE: Elec.

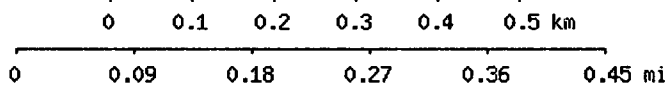
GPS FIELD LOCATION: LAT. 31° 40' 29.7" LONG. 89° 33' 17.5"

GPS CORRECTED LOCATION: LAT. 31.67450232 LONG. 89.55528830

REMARKS: GPS at well.



016005-01
Gw01308
F19



Map center is 31° 40' 28"N, 89° 33' 19"W (WGS84/NAD83)

Collins quadrangle

Projection is UTM Zone 16 NAD83 Datum



M=0.034
G=-1.343