

WRD Exp. (GW)
April 1966

GW 3966
DOW # 160006-02

Well No.

K8

E Log # 46

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED AND VERIFIED
ROLLA COMPUTATION BK

MASTER CARD

Record by P.E. Grantham Source of data Drln. + E Log Date 10-16-67 Map Seminary

State Mississippi County Covington

Latitude: 31 deg 33 min 45 sec N Longitude: 08 deg 92 min 94 sec W Sequential number: 1

Lat-long accuracy: 3 T. 7 S. R. 15 Sec 22, SW, NW, NE

Local well number: K008BA2207N15W Other number: _____

Local use: 048046 Owner or name: Town of Seminary

Owner or name: SEMINARY Address: Seminary, Miss

Ownership: 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, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other MU

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: MSB04 1-3-68

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

Aperture cards: _____ MOCN yes

Log data: E Log 5-

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 905 ft Meas. 3

Depth cased: _____ ft Casing type: _____; Diam. 8x6 in 8

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

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

Date Drilled: 10-67 967 Pump intake setting: _____ ft

Driller: Hall Drtg Service, Jackson, Miss

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; H.P. U Trans. or meter no. _____

Descrip. MP 1/2" T at 2.3' 290 above ft below LSD: 268 Alt. MP 4

Alt. LSD: 268 Accuracy: 300 (source) 12/3/81

Water Level: _____ ft above below MP; _____ ft below LSD 55 Accuracy: _____

Date meas: D67 Yield: _____ gpm 104 Method determined D

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

QUALITY OF WATER DATA: Iron 0.00 ppm Sulfate 9.4 ppm Chloride 8.0 ppm Hard. _____ ppm

Sp. Conduct 6 K x 10 Temp. _____ °F Date sampled 1-3-68

Taste, color, etc. _____

12/3/81
80
6.49
73.52
2.3
71.22
300
71
229

WELL NO.

T

Well No. K 8

Latitude-longitude d m s N
d m s S

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD 19 **Physiographic Province:** 03 **Section:** _____

22 **Drainage Basin:** 13N **Subbasin:** _____ 26

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (H) (K) (L) (O) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat _____ 27

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

Lithology: _____ **Origin:** 3 **Aquifer Thickness:** 346 ft

Length of well open to: _____ ft 40 **Depth to top of:** _____ ft 800

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: 815-905 70' x 6" SS

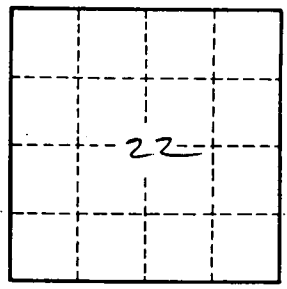
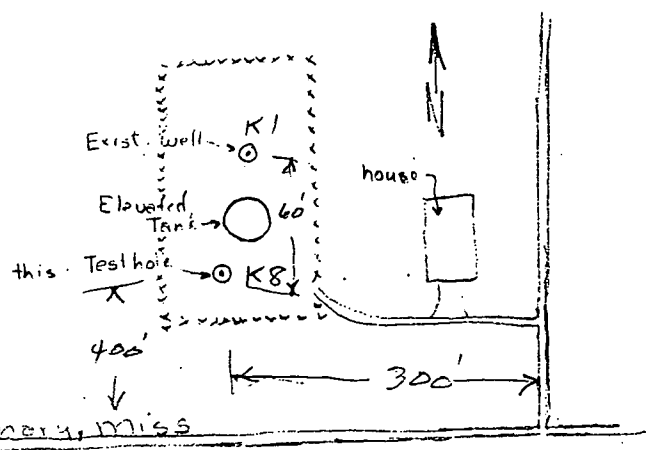
Depth to consolidated rock: _____ ft _____ **Source of data:** _____ 64

Depth to basement: _____ ft _____ **Source of data:** _____ 69

Surficial material: _____ **Infiltration characteristics:** _____ 72

Coefficient Trans: _____ **gpd/ft** _____ **Coefficient Storage:** _____ 78

Coefficient Perm: _____ **gpd/ft²; Spec cap:** _____ **gpm/ft; Number of geologic cards:** _____ 79



Well No.

17
80

See K1

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

CODED

WATER WELL DRILLERS LOG

Dec. 19 67 Hall Drilling Co. Covington
date well completed firm name county well located

Covington
178
12-67
620966

LANDOWNER: Town of Seminary

Seminary, Miss.
(mailing address)

WELL LOCATION: sec 22 T 7 N R 15 W

of Seminary miles (distance) (direction) (nearest town)

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

WELL COMPLETION DATA:

(1) diameter (inches) 8"
(2) total depth (feet) 905

(3) static water level (feet) 140 below top of ground 55 above

(4) casing steel 865 (material) (depth)

(5) screen 40' 865 (length) (depth to top) 8" (size) if telescope see back.

(6) pump 10 (HP) 104 (Yield gpm) (type power) ELECTRIC

(7) electric log Yes (yes or no) U.S.G. (organization running log)

(8) how well bottom plugged backwash valve

DRILLERS REMARKS:

description of formations encountered	from	to
Red Sandy Clay	0	15
White Chalk & Rock	15	117
Sand	117	255
Sand & Blue Shale	255	329
Coarse Sand	329	359
Five Sand, Shale & Rock	359	420
Sand & Rock	420	451
Sand & Hard Blue Shale	451	542
Hard Shale & Coarse Sand	542	572
Hard Shale & Sand	572	603
Hard Shale	603	666
Good Sand & Shale	666	713
Shale	713	725
Sand & Shale	725	800
Good Sand	800	855
Shale	855	859
Good Sand	859	876
Sand	876	905



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

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. 2-25-97 AGN. FORM.OLWR-AP-2 (REV. 9/94)

Issued: <u>3-10-87</u>	Expires:	Fee Paid: <u>X</u>	Permit No.
Lat. <u>31-33-43</u>	Long. <u>89-29-36</u>	Elev. <u>285</u>	USGS No.
Quad. <u>SEMINARY</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>MOCN</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT **RENEWAL** - PERMIT NO. MS-GW-03966

THIS APPLICATION IS FOR (Circle one): **GROUNDWATER - COMPLETE A,B,E** WELL # 2

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 SEMINARY 64-0414378
(Name) (SSN or Tax ID No.)
201 NORTH OAK AVENUE, POST OFFICE BOX 295
(Address)
SEMINARY, MS 39479 (601) 722-3205
(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)

MAP SENT

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

NW 1/4 of the NE 1/4 of Section 22, Township 7N, 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)

- AQUIFER: _____ 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)? DECEMBER 7, 19 67. Under whose name was well originally drilled (if known)? TOWN OF SEMINARY
- Description of proposed or completed well:
 - (a) DEPTH OF WELL: 905 feet. DRILLER: HALL DRILLING COMPANY
 - (b) SURFACE CASING: Length _____ feet; Diameter 6 inches; Type _____
 - (c) SCREEN: Length 40 feet; Diameter 6 inches; Type STAINLESS STEEL
 - (d) PUMP: Type _____; Size _____; Capacity 110 gallons per minute; Setting depth 890 feet
 - (e) POWER UNIT: Type _____; Size _____ horsepower
- PERMITTED VOLUME:
 - (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
 - (b) 0.025 0.02 million gallons per day at a maximum rate of 110 gallons per minute

025 BB 1-15-97

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? _____
- 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 165
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?

82,500	2000	83,000	2005	83,500	2010	84,000	2015
(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: RUITAN CLUB SWIMMING POOL
- OTHER USE:** Explain in detail (if needed, attach another page): _____
- REMARKS:** _____

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

BILLY D. KAROLYI
(Name)
201 NORTH OAK AVE., P.O. BOX 295
(Address)
SEMINARY, MS 39479
(City, State, Zip)

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.

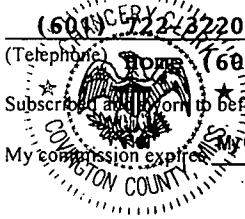
(601) 722-4320
(Telephone)
(601) 722-4416

Billy D Karolyi
(Signature)
Mayor

Subscribed and sworn to before me this 9th day of December 1996, at Covington County of Mississippi

My Commission Expires January 3, 2000

Anna Y. Bullock, Chy. CLK Notary Public.
By: Thylo Phillips, Sec. C.

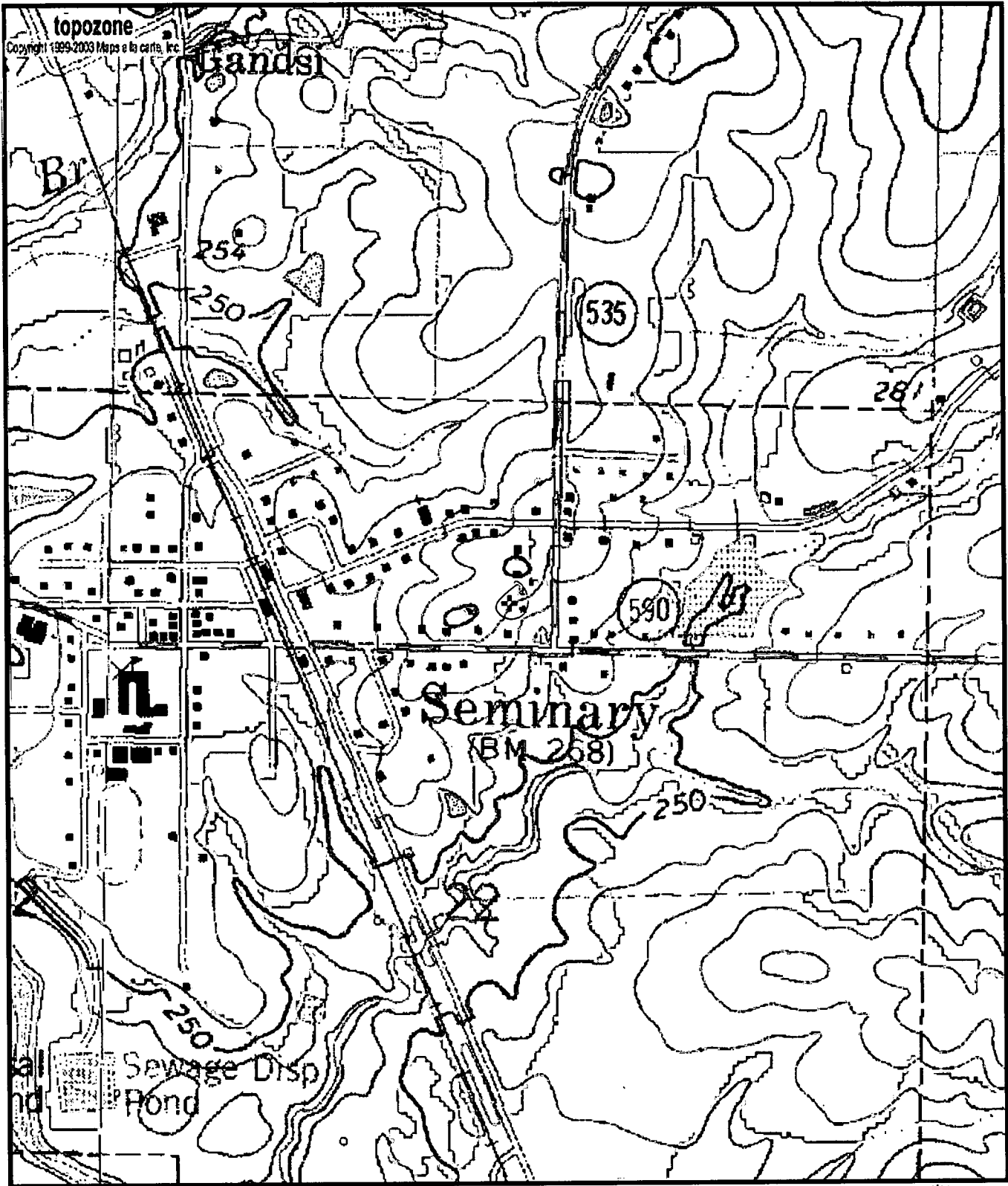


DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

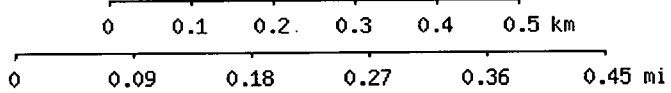
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Horvack DATE: 7/19/96
UNIT DEQ #: 82859 FILE #: B071920A
HEALTH DEPT. #: 160006-02 ELEV. 285 290
USGS #: K-08 OLWR #: MS-GW-03266
OWNER: Town of Seminary QUAD: Seminary
LOCATION: SW-NW-NE S 22 T 7N R 15W COUNTY: Covington
LOCATION DESCRIPTION: AT Elev. Tank at NW Corner of Intersection
of Hwy 590 E & Hwy 535. (Seminary)
CASING DIA: 12" PUMP TYPE & SIZE: Submersible
GPS FIELD LOCATION: LAT. 31° 33' 45.7" LONG. 89° 29' 34.3"
GPS CORRECTED LOCATION: LAT. 31.56258051 LONG. 89.49324406
REMARKS: GPS at well
(Well is SW of Elev. Tank.)



060006-02
6W03966
K8



Map center is 31° 33' 45"N, 89° 29' 36"W (WGS84/NAD83)

Seminary quadrangle

Projection is UTM Zone 16 NAD83 Datum



M=0.002
G=-1.306