

6 W 07164

DOT # 180001-02

FORM 9-1642 (1-68)

Well No. 2160

WELL SCHEDULE

E log # 125

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by Q Source of data Bowc MSGS Date 1/74 Map Barrontown

State Miss 28 County (or town) FORREST 18

Latitude: 31^{deg} 22^{min} 51^{sec} N Longitude: 08^{deg} 91^{min} 02^{sec} W Sequential number: 1

Lat-long accuracy: 2^{sec} 5^{min} 12^{sec} Sec 23 NW NW SW

Local well number: 0608C2305N12W Other number: Well # 2

Local use: 184125 Owner or name: BARRONTOWN WA 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) Ind, (K) P S, (L) Rec, (M) Stock, (N) Instit, (O) Unused, (P) Repressure, (Q) Recharge, (R) Desal-P S, (S) Desal-other, (T) Other 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:

Freq. sampling: Pumpage inventory: period:

Aperture cards:

Log data: E log 10' - 964' D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 900 ft Meas. 3 rept accuracy

Depth cased; (first perf.) 860 ft Casing type: _____; Diam. 8x6 in 8

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (K) open hole, (B) other S

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

Date Drilled: 12-19-73 973 Pump intake setting: _____ ft 30 38

Driller: Griner

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): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 20 Y Trans. or meter no. _____

Descrip. MP _____ ft above below LSD, Alt. MP _____

Alt. LSD: 292 Accuracy: (source) topo 4

Water Level _____ ft above below MP; Ft below LSD 120 Accuracy: _____ D

Date meas: 3:7:4 Yield: _____ gpm 200 Method determined

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

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

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Date sampled _____

Well No.

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

HYDROGEOLOGIC CARD

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

Drainage Basin: _____ Subbasin: _____

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

MAJOR AQUIFER: _____ system _____ series TP aquifer, formation, group CI

Lithology: _____ Origin: 2 Aquifer Thickness: 39 ft

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

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: _____

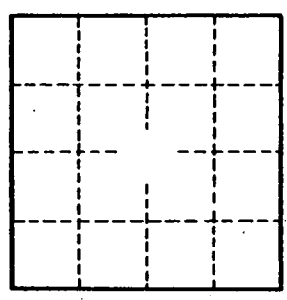
Depth to consolidated rock: _____ ft _____ Source of data: _____

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. _____

FORREST
 Co 60
 Log # 125
 3-74

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

CODED

WATER WELL DRILLERS LOG

3-1974 date well completed
 URNER DRILLING SER. FORREST firm name
 county well located

LANDOWNER: BARRONTOWN
 UTILITY
 WATER ASSN. Well No. 2
 (mailing address)
 WELL LOCATION: NW/4 NW/4 S1/4
 sec. 23 T-5 N R-12 E
 S W
 (distance) miles (direction) of (nearest town)
 WELL PURPOSE:
 (home, irrigation, municipal, industrial)

description of formations encountered	from	to
Top Soil	0	3
Sand + Gravel	3	150
Clay	150	360
Sand	360	480
Clay (Hard)	480	546
Sand with clay streaks	546	702
Clay (Hard)	702	744
Sand with clay streaks	744	820
Clay	820	830
Sand (Medium)	830	900
Clay (Hard)	900	965

WELL COMPLETION DATA:
 (1) diameter (inches) 8 5/8"
 (2) total depth (feet) 900'
 (3) static water level (feet) 120' below top of ground.
 (4) casing B.I. 833'
 (material) (depth)
 8 5/8" if telescope see back.
 (size)
 (5) screen 40' 860'
 (length) (depth to top)
 6" 304 S.S. (.010)
 (size) (material)
 (6) pump 20 200
 (HP) (yield gpm)
 Elect.
 (type power)
 (7) electric log Yes
 (yes or no)
 M.G.S.
 (organization running log)
 (8) how well bottom plugged Back
 WASH VALVE

DRILLERS REMARKS:

GRINER DRILLING SERVICE, INC.

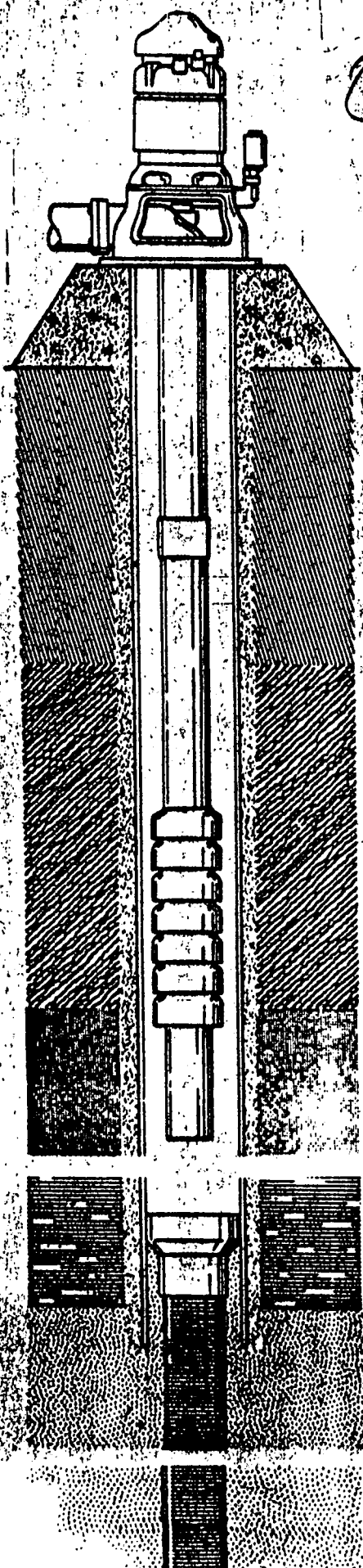
TELEPHONE 786-8247

P. O. BOX 309

COLUMBIA, MISS. 39429

LOG FORM

(2)



NAME	Barrontown Utility Association		
LOCATION	Well No. 2, Forrest Comty, Miss. NW/4, NW/4, SW/4, Sec/ 23, T5N, R12W		
ENGINEER	Sellers & Associates		
DRILLER	R. Lee Stampley	LOG. NO.	02
COMPLETED	Jan. 1974	ACCEPTED	
Sales Engineer	T. N. Shows	Field Supervisor	T. Powell

WELL DATA

Length surface casing N/A; size surface casing N/A
Cemented N/A No. Sacks N/A Size Drilled Hole 12 1/2"
Depth drilled hole 835' Size well casing 8 5/8" Type Welded
Length well casing 833' cemented Yes No. Sacks 385
Size screen 6" type Bar Weld mfg. by Houston
Slot size .010 material 304 S.S. length screen 40'
Lap pipe size 6" lap pipe length 40' type Welded
Distance to lap 820
Distance to screen top 860'
Distance to screen bottom 900' type bottom Back Wash Valve
Connection top of lap 8"x6" lead seal water level 120'

PUMP DATA

Type Turbine make FLOWBY Serial No. N/A
Size bowls 8" No. stages 13 Curve No. 8 LKM Length bowls 7'10"
Length column 170' size column 5" type column Threaded
Size oil tube 1 1/2" size shaft 1" length suction 20'
Size suction 5" size discharge 6" Head No. 5"x12" "C"
Overall pump length 177'-10" Length headshaft 39"
Type lubrication Oil type oiler Solenoid length air line N/A
Rated capacity 200 GPM Total Head 300'
RPM 1760 Size foundation 2'x2' Height 2'

ELECTRIC MOTOR DATA

Type VHS Make GE Serial No. N/A
HP 20 Voltage 220 RPM 1760 Frame 256TP
Style F Phase 3 Cycles 60 AMPS 52
Height motor 26 1/2" Dia. base 12 Clutch bore 1" Clutch size N/A
Top bearing No. N/A Lower bearing No. N/A Lubrication Oil & Dreg

SWITCH DATA

Type Pumping Plant Panel Make Square "D"
Catalog No. 8940 Size 3 Rating 100 HP
Volts 230 Phase 3 Cycles 60
HP rating 20 Size relays 52 Relay type Quick Trip

RECEIVED # 2
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

DEC 10 1999

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. BOX 10631, JACKSON, MISSISSIPPI 39209-0631 (601) 961-5202

Office of Land & Water Resources

This box is for office use only.

3-14-2000 ~~AGN.~~

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

Issued: 5-22-90	Expires: 3-14-2010	Fee Paid: X	Permit No.
Lat. 312254	Long. 891044	Elev. 290	USGS No. C60
Quad. Barrontown	ASCS Farm No.	STAC.	MSDOH No. 180001-02
Aquifer: MOCN	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. 007164

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: BARRONTOWN Utility Association 64-0651991
 (Name) (SSN or Tax ID No.)

101 Dogwood Lane
 (Address)

Petal MS 39465 (601) 544-3553
 (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):

NW 1/4 of the SW 1/4 of Section 23, Township 5N, Range 12W, County Forrest

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.: 180001-02

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.

If well has already been drilled, when was well completed (date)? 3-1, 1994. Under whose name was well originally drilled (if known)? BARRONTOWN Utility

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 922.965 feet. DRILLER: Griner Drilling Service

(b) SURFACE CASING: Length 833 feet; Diameter 8 5/8 inches; Type Steel BI

(c) SCREEN: Length 40 feet; Diameter 6 3/4 inches; Type Bar-Weld 304SS

(d) PUMP: Type Submersible; Size 20; Capacity 230 gallons per minute; Setting depth 178 feet

(e) POWER UNIT: Type Power Panel; Size 25 horsepower

4. PERMITTED VOLUME:

(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) .105 .13 million gallons per day at a maximum rate of 230 200 gallons per minute

(CONTINUED ON BACK) 200

MAP SENT

M3
1/20/00

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 _____ or (b) The number of connections is 2083

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?	<u>600</u>	<u>2005</u>	<u>702</u>	<u>2010</u>	<u>810</u>	<u>2015</u>	<u>920</u>	<u>2020</u>
	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(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.

Gerald Cooley
(Name)

101 Dog Wood Lane
(Address)

Petal, ms 39465
(City, State, Zip)

601-544-3553
(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.

Gerald Cooley
(Signature)

Subscribed and sworn to before me this 9 day of Dec, 1999, at Forest County of MS state

My commission expires NOTARY PUBLIC STATE OF MISSISSIPPI AT LARGE
MY COMMISSION EXPIRES: June 6, 2003.
BONDED THRU NOTARY PUBLIC UNDERWRITERS

Shirley H. [Signature] Notary Public.

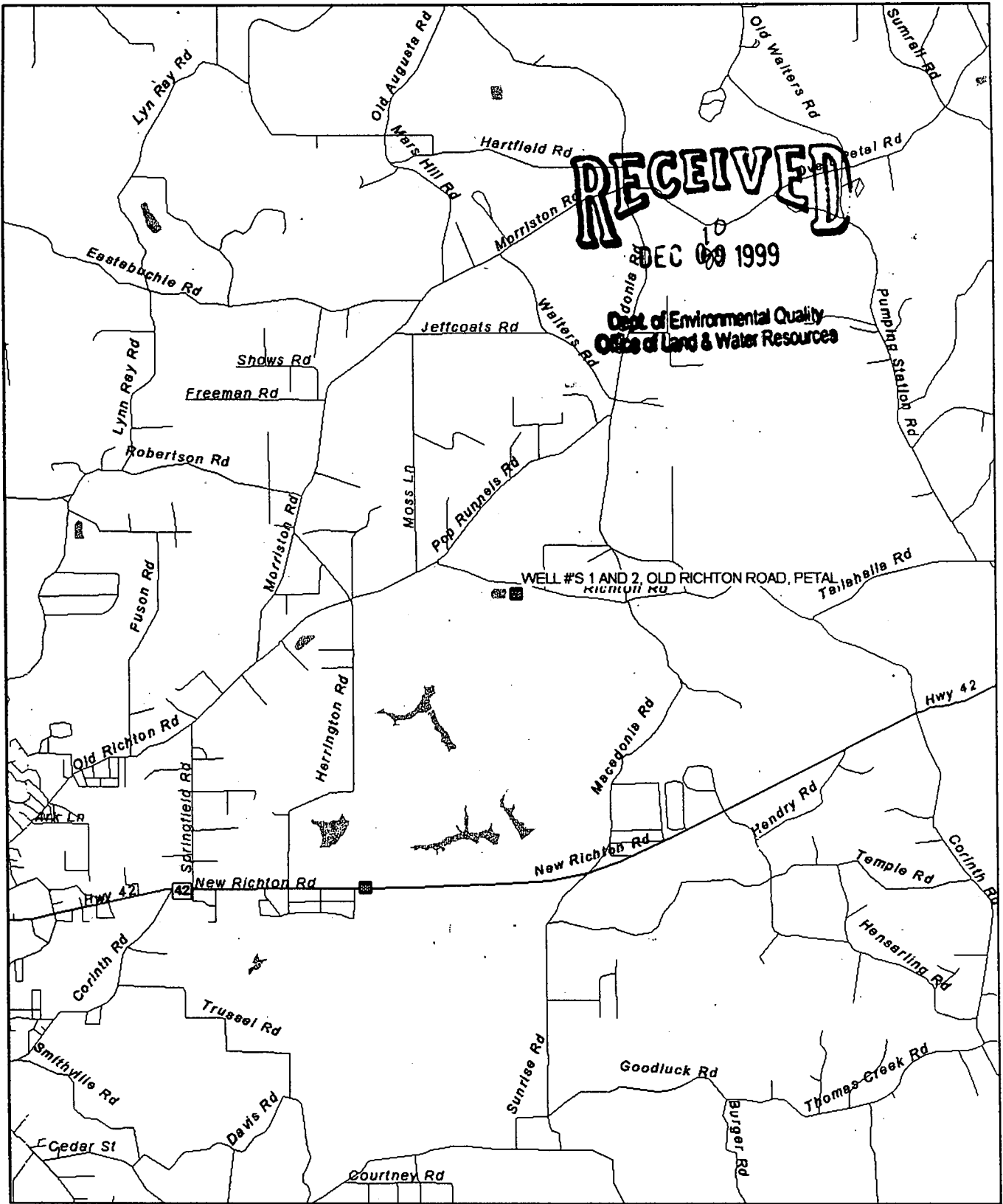
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Batton Town
Quad.

GPS LOG

USER NAME(S): CA. Hornbeak DATE: 6/29/94
UNIT DEQ #: 82555 FILE #: C063000A
HEALTH DEPT. #: 180001-02 ELEV. 290
USGS #: C60 OLWR #: GW-7164
OWNER: Batton Town Water Assoc.
LOCATION: NE-NE-SE S 22 T 5N R 12W COUNTY: Forrest
LOCATION DESCRIPTION: AT old Elev. Water Tank on S side of
old Richton Rd. 1.5 mi. East of Herrington Rd.
(well is SW of Tank)
CASING DIA: 8" PUMP TYPE & SIZE: 25 HP Elec.
GPS FIELD LOCATION: LAT. 31° 22.883 LONG. 89° 10.749
GPS CORRECTED LOCATION: LAT. 31.2253.399 LONG. 89.1045.029
31.381500 89.179175
REMARKS: GPS at Well.



RECEIVED

DEC 09 1999

Dept of Environmental Quality
Office of Land & Water Resources

WELL #S 1 AND 2, OLD RICHTON ROAD, PETAL

GW-164 RENEWAL

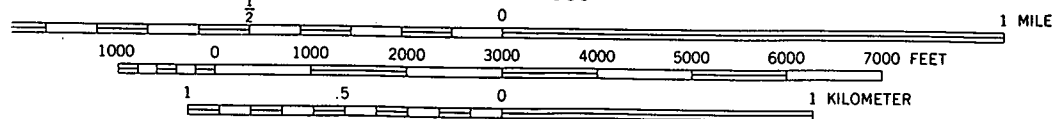
MICROSOFT CORPORATION
Streets Plus

BARRONTOWN UTILITY ASSOCIATION
WELL LOCATION - NO'S 1 AND 2



291 (CARTERVILLE) 293 10' 294 1.9 MI. TO MISS. 42 295
 3146 1 SW

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST