

WTO

OKO 1

Recorded by J.P.

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT  
WELL RECORD

Well 07  
E-Log No.  
County Fern

Site ID 3 1 2 2 5 4 0 8 9 1 0 4 4 0 1 R=0\* T=A\* 2=W\*

Data reliab. 3=C\* Report. agency 4=USGS\* Dist. 6=28\* 7=28\* Co. 8=035\*

GEN. SITE DATA

Lat. Long. 9=3 1 2 2 5 4 \* 10=0 8 9 1 0 4 4 \* Well No. 12=C 0 0 7 \*

Location 13=N W S W S 2 3 T 0 5 N R 1 2 W \* Alt. 16=2 9 5 \*

Hyd. Unit (OWDC) 20= Date 21=0 9 1 0 8 1 1 9 6 7 \*

Well use 23=W \* Water Use 24=P \* Hole depth 27=9 4 8 \* Well depth 28=9 0 0 \*

WL 30=1 2 2 \* Date 31=0 6 1 0 0 1 1 9 7 2 \* Source 33=A \*

Status 273= Project No. 5=7 2 - 1 0 1 \*

OWNER

R=158\* T=A\* Date 159# 0 9 1 0 8 1 1 9 6 7 \* Owner No.

Owner 161=B A R R O N T O W N U T L \*

FIELD QW

R=192\* T=A\* Date 193# Temp. 196#00010\* 197=

R=192\* T=A\* Date 193# Cond. 196#00095\* 197=

R=192\* T=A\* Date 193# pH 196#00400\* 197=

CONSTR.

R=58\* T=A\* 59# 1\* Date 60= Remarks

Drig. 63=0 6 0 \* Name Method 65=H \* Finish 66=S \*

CASING

R=76\* T=A\* 59# 1\*

Top csgn. 77# 0 . \* Bot. csgn. 78= 8 6 0 . \* Diam. 79# 8 . \*

R=76\* T=A\* 59# 1\*

Top csgn. 77# Bot. csgn. 78= Diam. 79#

OPENINGS

R=82\* T=A\* 59# 1\* Top 83# 8 6 0 . \* Bottom 84= 9 0 0 . \*

Type 85=S \* Diam. 87= 6 . \* Size 88=

R=82\* T=A\* 59# 1\* Top 83# Bottom 84=

Type 85= Diam. 87= Size 88=

YIELD

R= 146 \* T=A\* 147# 1 \* Q 150= 1 5 0 . \* Q/S 272=

LIFT

Date 38= 09/08/1967\* H.P. 46= 18\*

30

LOGS

R=198\* T= A \* Log 199# \* Top 200= \* Bot 201= \*
R=198\* T= A \* Log 199# E \* Top 200= 14.\* Bot 201= 9.48.\*
R=189\* T= A \* E Log No. 190# 0.73\* 191= M I S S D I S T \*

ANAL.

R=114\* T= A \* Year 115# 1972\* Type 120= B \*

AQUIFERS

R=90\* T= A \* 256# 1 \* Top 91= \* Bot 92= \*
Unit ID 93= 122 C.T.H.L.L. \* Name of Unit Catabank
R=90\* T= A \* 256# 1 \* Top 91= \* Bot 92= \*
Unit ID 93= \* Name of Unit

HYDRAULICS

R=98\* T= A \* 99# 1 \* Unit tested 100= \* 103= \*
R=105\* T= A \* 99# 1 \* Test No. 106# \*
107= \* Transmissivity (gal/d)/ft
108= \* Hydraul. cond. (gal/d)/ft^2
110= \* Storage coeff. Boundaries

R=121\* T= \* Yr Begin 122# \* Network 258= \*

Water Level Data Collection (1)

FORREST  
C7  
2-12-69  
USGS

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

WATER WELL DRILLERS LOG

Feb 12 1969 Eriner Drilling Serv. Forrest  
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
BARRONTOWN	TOP SOIL	0	2
Utilities Assn.	CLAY	2	47
HATTIESBURG	SAND & GRAVEL	47	160
(mailing address)	Blue Clay	160	373
WELL LOCATION:	SAND	373	472
sec. 23 T. 5N R. 12E	CLAY	472	546
10 miles E of Hattiesburg	SAND w/ Shell Breaks	546	852
(distance) (direction) (nearest town)	SAND	852	900
WELL PURPOSE: MUNICIPAL	CLAY	900	948
(home, irrigation, municipal, industrial)			
WELL COMPLETION DATA:			
(1) diameter (inches) 8"			
(2) total depth (feet) 900'			
(3) static water level (feet) 124' below top of ground.			
(4) casing (material) Steel, (depth) 850'			
8" (size) if telescope see back.			
(5) screen (length) 40', (depth to top) 860'			
6" (size) Stainless (material)			
(6) pump (HP) 15', (yield gpm) 150			
Elec (type power)			
(7) electric log (yes or no) YES			
USGS (organization running log)			
(8) how well bottom plugged BACK			
WAS VALVE			
DRILLERS REMARKS:			

CODED  
CODEL  
CODED  
CODED  
CODED

CODED  
CODED  
CODED

FEB 19 1969

RECEIVED

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, MS 39289-0631; (601) 981-0550 Environmental Quality Office of Land & Water Resources FORM OLWR-AP-2 (REV. 9/94)

This box is for office use only.

3-14-2000 AGN.

Table with 4 columns: Issued, Expires, Fee Paid, Permit No.; Lat, Long, Elev, USGS No.; Quad, A&S 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. 006943

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

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.: 180001-01

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_

If well has already been drilled, when was well completed (date)? 2-12-88, 1988 Under whose name was well originally drilled (if known)? Barrontown Utility Assn.

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 948 feet. DRILLER: Griner Drilling Service

(b) SURFACE CASING: Length 852850 feet; Diameter 8 5/8 inches; Type Steel

(c) SCREEN: Length 40 feet; Diameter 6 inches; Type Strainless wire wound

(d) PUMP: Type Electric; Size 15; Capacity 255 gallons per minute; Setting depth 210 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 million gallons per day at a maximum rate of 255 150 gallons per minute

MAP SENT

SEE MAP

0.08 11/20/00

(CONTINUED ON BACK) 150

**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 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 \_\_\_\_\_ 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 Dogwood 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 Fountain County of MS-Stat

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

Sheila Hunter Notary Public.

Petal, MS

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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:** \_\_\_\_\_

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BONDED THRU NOTARY PUBLIC UNDERWRITERS

Sheila Winton Notary Public.

Petal, MS

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Barton Town

GPS LOG

Quadr.

6/5/96

USER NAME(S): CA. Hornbeak / Hornbeak DATE: ~~6/29/94~~

UNIT DEQ #: ~~82555~~ 82859 FILE #: B060517B  
C062923A

HEALTH DEPT. #: 180001-01 ELEV. 285

USGS #: C7 OLWR #: 6943

OWNER: Barton Town Water Assoc.

LOCATION: SE-SE-NE S 22 T 5 N R 12 W COUNTY: Forrest

LOCATION DESCRIPTION: AT old Elev water Tank on S side of  
old RichTon Rd 1.5 mi East of Herrington Rd. (PetA)  
(well is NE of Tank)

CASING DIA: 8" PUMP TYPE & SIZE: 20 HP Elec

GPS FIELD LOCATION: LAT. 31° 22.554 LONG. 89° 10.440  
31° 22.882 89° 10.736

GPS CORRECTED LOCATION: LAT. 31.38194438 LONG. 89.17864704

REMARKS: GPS at well.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# GRINER DRILLING SERVICE, INC.

TELEPHONE 736-6347  
P. O. BOX 308  
COLUMBIA, MISS. 39429

*Well #1*

## LOG FORM

NAME Barrontown Utility Association  
 LOCATION Forrest County  
NW 1/4 NW 1/4 SW 1/4, Sec. 23 T5N R12W  
 ENGINEER Bennie J. Sellers  
 DRILLER Richard Stampley LOG. NO. \_\_\_\_\_  
 COMPLETED JANUARY 1968 ACCEPTED \_\_\_\_\_  
 Sales Engineer \_\_\_\_\_ Field Supervisor \_\_\_\_\_

### 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 852' Size well casing 8 5/8" Type Steel  
 Length well casing 852' cemented Yes No. Sacks 450  
 Size screen 6 5/8" type Wire wrapped mfg. by Mustang  
 Slot size 010 material Stainless steel length screen 40'  
 Lap pipe size 6 5/8" lap pipe length 21' type Steel  
 Distance to screen top 860' Distance to lap 839'  
 Distance to screen bottom 900 type bottom Backwash valve  
 Connection top of lap L & R static water level 117

### PUMP DATA

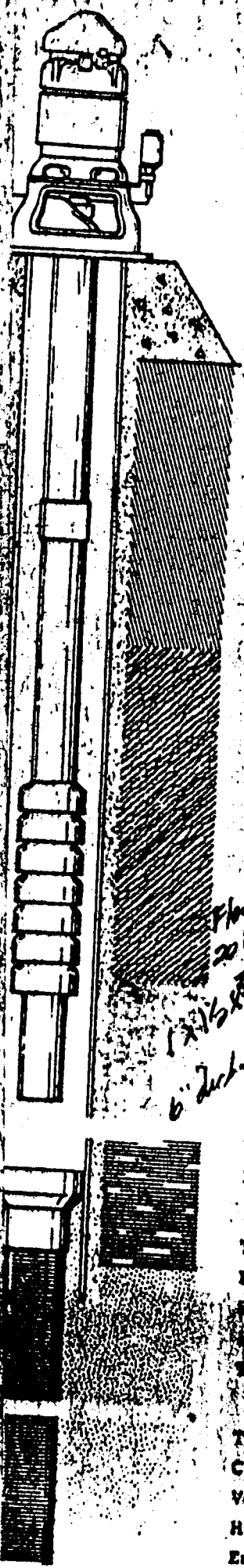
*Flow P. 20 ft. 17 1/2 x 8 1/2*  
 Type Submersible make Rada Serial No. N/A  
 Size bowls 6" No. stages 10 Curve No. G160 Length bowls \_\_\_\_\_  
 Length column 210' size column 3" type column Steel  
 Size oil tube N/A size shaft N/A length suction N/A  
 Size suction N/A size discharge 3" Head No. N/A  
 Overall pump length 8' 5" Length headshaft N/A  
 Type lubrication Water type oiler N/A length air line 210'  
 Rated capacity 150 GPM Total Head 280'  
 RPM 3450 Size foundation 2 x 2 Height 2'

### ELECTRIC MOTOR DATA

Type Submersible Make Rada Serial No. N/A  
 HP 10 Voltage 220 RPM 3450 Phase N/A  
 Size N/A Frame 3 Cycles 60  
 Motor name N/A Design N/A Clutch face \_\_\_\_\_  
 Top bearing No. \_\_\_\_\_ Lower bearing No. \_\_\_\_\_

### SWITCH DATA

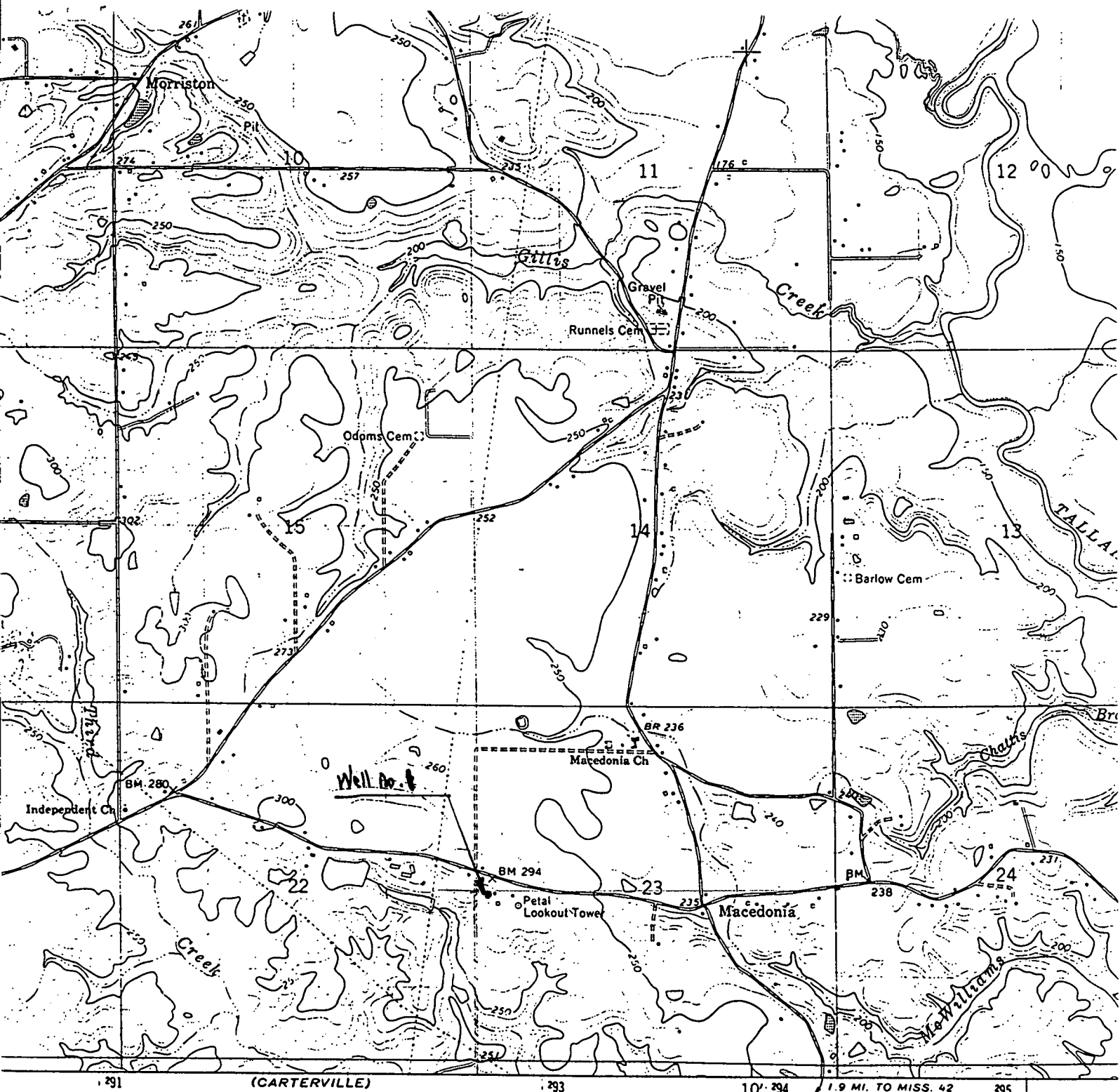
Type Pumping Plant Panel Make Square D  
 Catalog No. 8940 Size 2 Rating 45 AMP.  
 Volts 220 Phase 3 Cycles 60  
 HP rating 15 Size relays 45 AMP. Relay type Quick Trip  
 Entrance switch 100



WELL NO. C7  
ALTITUDE 295'

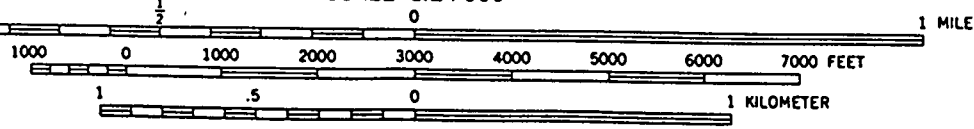
UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
GROUND WATER BRANCH  
JACKSON, MISSISSIPPI

LOCALITY  
NW 1/4 NW 1/4 SW 1/4  
S 23 T 5 N R 12 W



(CARTERVILLE)  
3146 1 SW

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



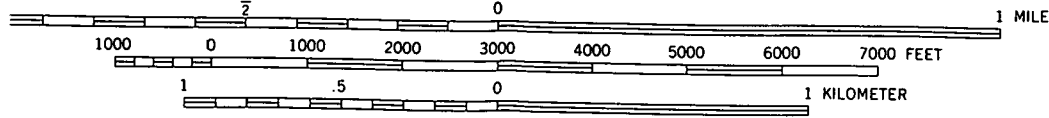
MISS.  
QUADRANGLE LOCATION

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



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

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

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