

TRANSMITTED FOR ADP

1/81 WTO

Recorded by WTO  
Date 8/25/81

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

Well No. C70  
E-Log No. 174  
County Forrest  
Cartersville Quad

Site ID 3.1.2.1.5.2.0.8.9.1.4.0.7.0.4 R=0\* T=A\* 2=W\*

GEN. SITE DATA

Data reliab. 3=C\* Report. agency 4=USGS\* Dist. 6=28\* 7=28\* Co. 8=0.3.5

Lat. Long. 9=3.1.2.1.5.4\* 10=0.8.9.1.3.5.2\* Well No. 12=C.0.7.0\*

Location 13=N.W. S.E. S. 30 T. 0. 5 N. R. 12 W.\* Alt. 16=2.6.5.\*

Hyd. Unit (OWDC) 20= Date 21=07.11.3.1.19.8.1\*

Well use 23=W\* Water Use 24=P\* Hole depth 27=748.\* Well depth 28=735.\*

WL 30=1.4.4.\* Date 31=0.2.1.0.1.1.19.8.2\* Source 33=D\*

Status 273= Project No. 5=

OWNER

R=158\* T=A\* Date 159#0.2.1.0.1.1.19.8.2\* Owner No. Well # 2

Owner 161# P. E. T. A. L.

FIELD OW

R=192\* T=A\* Date 193#0.6.1.0.4.1.19.8.2\* Temp. 196#00010\* 197=22.5\*

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

R=192\* T=A\* Date 193#1.1.0.5.1.19.8.1\* pH 196#00400\* 197=7.8\*

CONSTR.

R=58\* T=A\* 59#1\* Date 60=0.2.1.0.1.1.19.8.2\* Remarks

D=lg. 63=1.8.4\* Name Griner Drlg. Method 65=H\* Finish 66=5\*

CASING

R=76\* T=A\* 59#1\* Top csng. 77# 0.\* Bot. csng. 78=6.6.6.\* Diam. 79# 1.2.\*

R=76\* T=A\* 59#1\* Top csng 77# 6.0.5.\* Bot. csng. 78=6.7.5.\* Diam. 79# 8.\*

OPENINGS

R=82\* T=A\* 59#1\* Top 83# 6.7.5.\* Bottom 84=7.3.5.\*

Type 85=S\* Diam. 87=8.\* Size 88=0.1.6\*

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

Type 85= Diam. 87= Size 88=

TELD

R=146\* T=A\* 147# 1\* Q 150=5.0.0.\* Q/S 272=

LIFT

R=42\* T= A \* Lift type 43# T\* Intake 44= \* Power type 45= E\*

Date 38= 02/01/1982\* H.P. 46= 60.\*

LOGS

R=198\* T= A \* Log 199# E\* Top 200= 10.\* Bot 201= 748.\*

R=198\* T= A \* Log 199# D\* Top 200= 0.\* Bot 201= 748.\*

R=189\* T= A \* E Log No. 190# 174\* 191= M I S S D I S T \*

ANAL.

R=114\* T= A \* Year 115# \* 117= \* 120= \*

AQUIFERS

R=90\* T= A \* 256# 1 \* Top 91= 680.\* Bot 92= 725.\*

Unit ID 93= 122 MFCN \* Name of Unit

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<sup>2</sup>

110= \* Storage coeff. Boundaries

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

Water Level Data Collection (1)

Color - 10

Alk - 120

Cl - 21

Fe - 2.1

Co<sub>2</sub> - 4

33' dd @ 530gpm

description of formations encountered	from	to
TOP SOIL	0	4
SAND & CLAY SCREENED	4	11
CLAY	11	60
SAND & GRAVEL	60	270
CLAY	270	382
SAND	382	484
CLAY	484	578
SAND	578	648
CLAY	648	674
SAND	674	730
CLAY & ROCKS	730	748

Forrest  
 @ 70  
 2/82

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
 Bureau of Land and Water Resources  
 Southport Mall  
 P.O. Box 10631  
 Jackson, Mississippi 39209  
**WATER WELL DRILLERS LOG**

**CODED**

Feb. 19 1982 FORREST  
 date well completed firm name county well located

LANDOWNER: CITY OF  
PETAL, WELL NO. 2  
NORTH OF CITY  
 (mailing address)

WELL LOCATION: NORTH SE 1/4 NE 1/4  
 sec. 30 T. 5 (N) R. 12 (E) (W)  
 (distance) miles (direction) of (nearest town)

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

- WELL COMPLETION DATA:
- (1) diameter (inches) 12 3/4
  - (2) total depth (feet) 730
  - (3) static water level (feet) 199 below above top of ground.
  - (4) casing stst 666  
 (material) (depth)  
12 3/4" if telescope see back.  
 (size)
  - (5) screen 60' 60 670  
 (length) (depth to top)  
8" (016) 309 S.S.  
 (size) (material)
  - (6) pump 60 500  
 (HP) (yield gpm)  
Elect.  
 (type power)
  - (7) electric log Yes  
 (yes or no)  
MOS  
 (organization running log)
  - (8) how well bottom plugged Back  
with salt water

description of formations encountered	from	to
Top soil	0	4
SAND & CLAY SCREEN	4	11
CLAY	11	60
SAND & GRAVEL	60	270
CLAY	270	382
SAND	382	482
CLAY	482	578
SAND	578	648
CLAY	648	674
SAND	674	730
CLAY & ROCKS	730	748

**CODED**

2/10/82  
 12

DRILLERS REMARKS:

DEPT. OF NATURAL RESOURCES  
 BUREAU OF LAND & WATER RESOURCES  
 FEB - 8 1982  
**RECEIVED**

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. 1-23-96 AGN. FORM OLWR-AP-2 (REV. 9/94) Issued: 6-24-86 Expires: 4-8-2006 Fee Paid: [checked] Permit No. G-W-03965

THIS APPLICATION IS FOR (Circle one): NEW PERMIT (RENEWAL)- PERMIT NO. MS-GW-03965

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: CITY OF PETAL (Name) 64-5653775 (SSN or Tax ID No.) P O BOX 405 (107 WEST 8TH AVENUE) (Address) PETAL MS 39465 (City) (State & Zip) (601) 544-6981 (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):

2k SE 1/4 of the SE 1/4 of Section 30, 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: CATAHOULA MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180011-03

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 82 Under whose name was well originally drilled (if known)? \_\_\_\_\_

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 720 feet. DRILLER: GRINER DRILLING SERVICE

(b) SURFACE CASING: Length 642 feet; Diameter \_\_\_\_\_ inches; Type STEEL

(c) SCREEN: Length 60 feet; Diameter 8 inches; Type WIREWOUND - STAINLESS

(d) PUMP: Type TURBINE; Size 10"; Capacity 500 gallons per minute; Setting depth \_\_\_\_\_ feet

(e) POWER UNIT: Type VHS; Size 60 horsepower

4. PERMITTED VOLUME :

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

(b) 18 million gallons per day at a maximum rate of 500 gallons per minute

0.20 MGD (CONTINUED ON BACK) 500 12-6-95

**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)**

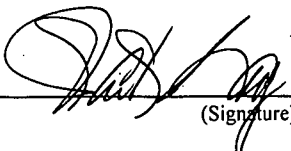
- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Oats \_\_\_\_\_; Corn \_\_\_\_\_; Soybeans \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Grain Sorghum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres  
**A. Method of Irrigation (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 2750  
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>.10MGD</u>	<u>2001</u>	<u>.15MGD</u>	<u>2006</u>	<u>.20MGD</u>	<u>2011</u>	<u>.25MGD</u>	<u>2016</u>
(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: \_\_\_\_\_
- OTHER USE:** Explain in detail (if needed, attach another page): \_\_\_\_\_
- REMARKS:** \_\_\_\_\_

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

JACK GAY  
(Name)  
P O BOX 564  
(Address)  
PETAL MS 39465  
(City, State, Zip)  
545-1776  
(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.

  
(Signature)

Subscribed and sworn to before me this 10<sup>th</sup> day of Nov, 1995, at Lowest County of Mississippi  
My commission expires August 13, 1998  
My commission expires \_\_\_\_\_; Ava C. Pickett Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Carterville  
Quad.

GPS LOG

USER NAME(S): CA. Hornbeak DATE: 6/29/94  
UNIT DEQ #: 82555 FILE #: C062921B  
HEALTH DEPT. #: 180011-03 ELEV. 257  
USGS #: Z-129 C70 OLWR #: 3965  
OWNER: City of Peta  
LOCATION: NW-SW-SE S 30 T 5N R 12W COUNTY: Forrest  
LOCATION DESCRIPTION: AT Elev. Tank on Old Rich Town Rd. 2 mi.  
NE of Hwy 42 (well is East of Tank)  
CASING DIA: 12" PUMP TYPE & SIZE: 60 HP Elec.  
GPS FIELD LOCATION: LAT. 31° 21.878 LONG. 89° 13.935  
GPS CORRECTED LOCATION: LAT. 31 21 52.826 LONG. 89 13 56.251  
REMARKS: GPS at well,  
31.364674  
89.232292

3146 1/4 NE  
(EASTABUCHIE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Cartersville  
Quad

