<table>
<thead>
<tr>
<th>Site Id</th>
<th>Project No.</th>
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</thead>
<tbody>
<tr>
<td>14312041401915412011</td>
<td>541111111111</td>
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</table>

**Location Map**

- Latitude: 9311201411
- Longitude: 10401811154121
- Land Net: 1319
- Altitude: 16415

**Agency Use**
- Data Inventoried: 8034 A 1
- Station Type: 1
- Data Type: 1

**Instruc. Remarks**
- 8054 8064
- 33 CLMU
- X: 20

**Date of Construction**
- Well Use: 2190115119981
- Water Use: 23404971414101410
- Primary Aquifer: 2741510

**Well Depth**
- 284111981
- 304111991
- 314011151

**Water Level**
- 714111181

**Water Level Date**
- 3441

**Method**
- 11

**Status**
- 374

**Source**
- 334

---

**CONSTRUCTION DATA**

| R=564 | T=AA | 723814 |
| 6040181115119981 |
| 63411811 |

**CONSTRUCTION CASING DATA**

| R=764 | T=AA |
| 725814 |

**CONSTRUCTION OPENINGS DATA**

| R=824 | T=AA |
| 726812 |

**CONSTRUCTION LIFT DATA**

- Lift Type: 43
- Date: 3841811151119981
- Intake: 4411610

**Power**
- H.P. 454
- Serial No. 494

**MISCELLANEOUS OWNER DATA**

**MISCELLANEOUS OTHER ID DATA**

- E-Log No. 1914 H I S S O D I S T
## MISCELLANEOUS QU DATA
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<tr>
<th>Date of Measurement</th>
<th>Aquifer Sampled</th>
<th>Par. Code</th>
<th>Value</th>
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<td>195</td>
<td>196#0010</td>
<td>1974 AA 1A</td>
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<tr>
<td>R=192 T=A 738#2</td>
<td>195</td>
<td>196#0095</td>
<td>1974 1 1 1</td>
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<td>R=192 T=A 738#3</td>
<td>195</td>
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<td>1974 1 1 1</td>
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## MISCELLANEOUS LOGS DATA
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<th>End Depth</th>
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<td>R=198 T=A 739#2</td>
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<td>2014</td>
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## MISCELLANEOUS NETWORK DATA
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<th>End Year</th>
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<tbody>
<tr>
<td>R=114 T=A 730#1</td>
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<td>1164</td>
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## MISCELLANEOUS REMARKS DATA
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<tr>
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## DISCHARGE DATA
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<th>Unit Id</th>
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<tbody>
<tr>
<td>R=146 T=A 147#1</td>
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<td>934</td>
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</table>

## GEOHYDROLOGIC DATA
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<th>Depth Bot.</th>
<th>Unit Id</th>
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</thead>
<tbody>
<tr>
<td>R=90 T=A 721#1</td>
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<td>934</td>
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</tbody>
</table>

## HYDRAULIC DATA
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</thead>
<tbody>
<tr>
<td>R=98 T=A 790#1</td>
<td>1004</td>
</tr>
</tbody>
</table>
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.

Issued: 1/23/96  AGN: 12-96

FORM OF LR-AP-2 (REV. 9/96)

Exp. Date: 4/15/2006  Fee Paid:  Permit No. GW-02640 11453

Lat.: 31°20'46"  Long. 89°15'42"

Quad: HERSHEL

AQUIFER: Tract No.:

Remarks: Dam Inv. No.: 0

THIS APPLICATION IS FOR (Circle one): NEW PERMIT (RENEWAL) PERMIT NO. MS-GW-02640

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 406 (107 WEST 8TH AVENUE)

(Address) PETAL MS 39465 (City) (State & Zip) 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):

E NW 1/4 of the NW 1/4 of Section 1, Township 4N, Range 13W, 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: CITRONELLE

MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180011-04

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 ____________. Under whose name was well originally drilled (if known)?

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 87' Feet  DRILLER: GRINER - T POWELL

(b) SURFACE CASING: Length 82 feet; Diameter 18" inches; Type WELD COATED

(c) SCREEN: Length 41 feet; Diameter 8" inches; Type WIRE WOUND

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

(e) POWER UNIT: Type VHS; Size 15 horsepower

4. PERMITTED VOLUME:

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

(b) .25 million gallons per day at a maximum rate of 500 gallons per minute

CONTINUED ON BACK
SECTION C  (to be completed for SURFACE WATER SOURCE)

1. Source of water is from __________________ 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
   __________________________ 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 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? 45 MGD (Volume) 2001: __________, 50 MGD (Volume) 2006: __________, 55 MGD (Volume) 2011: __________, 60 MGD (Volume) 2016: __________

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.

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 15th day of __________, 1995, in the County of ________________
My Commission Expires August 31, 1996

(Area C Pickert)
(Notary Public)
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): C.A. Horibeak
DATE: 6/29/94

UNIT DEQ #: 82-555
FILE #: CO62920B

HEALTH DEPT. #: 180011-04
ELEV.: 152

USGS #: Z-130 D110
OLWR #: 11455

OWNER: City of Petal

LOCATION: NW-NW-NW S 1 T 4N R 13W COUNTY: Forrest
LOCATION DESCRIPTION: SE Corner of Hwy 42 & Main St.
(Behind Bldgs.)

CASING DIA: 18" PUMP TYPE & SIZE: 15 HP Elec.

GPS FIELD LOCATION: LAT. 31° 20.760 LONG. 89° 15.756

GPS CORRECTED LOCATION: LAT. 31° 20' 46.044 LONG. 89° 15' 44.884

REMARKS: GPS at well. 31° 34' 123 LONG. 89° 26' 2468