**Agency Code:**  01562

**Site Id:**  1359240892129414

**Station Name:**  AMORIY

**Latitude:**  235

**Longitude:**  241

**Altitude:**  354

**Accuracy:**  174

**Hydrologic Unit:**  184

**Date of Construction:**  214101/12/1990

**Water Level:**  131

**Water Level Date:**  259101/11/1990

**Hole Depth:**  274

**Water Use:**  234

**Primary Aquifer:**  249

**Well Use:**  184

**Top/Casing Diameter:**  591

**Bot/Casing Diameter:**  791

**Top/Depth:**  354

**Bot/Depth Diameter:**  581

**Top/Depth:**  354

**Bot/Depth Diameter:**  581

**Lift Date:**  38110/11/1990

**Intake:**  131

**Power:**  464

**Serial No.:**  464

**E-Log No.:**  1901172

**Assigner:**  MONROE

**County:**  MONROE
**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**
Bureau of Land and Water Resources
P. O. Box 10631
Jackson, MS 39298-0631
WATER WELL DRILLERS LOG

**COUNTY WELL LOCATED**
Monroe

**WELL NUMBER**
3A

**NAME OF DRILLING FIRM**
Herdon Well & Supply

**DATE WELL COMPLETED**
12 Oct 1990

**PERMIT NUMBER**

**NAME & MAILING ADDRESS OF LANDOWNER**

City of Amory
Water Dept

Amory, MS

**WELL LOCATION: SEC TOWNSHIP RANGE**

| 26 | 12 | S 19 | W |

**DISTANCE DIRECTION NEAREST TOWN**
Inside city limits

**OTHER LANDMARK**
Municipal

**WELL PURPOSE**
Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

---

**PUMP DATA**

<table>
<thead>
<tr>
<th>PUMP TYPE (Circle One): 40 HP Submersible, Turbine</th>
<th>Flowing Well, Other (Describe)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe)</td>
<td>H/P</td>
</tr>
</tbody>
</table>

- **Pump Capacity (GPM)**: 712.5
- **No. of Stages**: 130
- **Setting Depth**: FT.

**PUMP TEST**

Well yielded 712.50 GPM with a drawdown of 6.94 ft. after 7 hours of pumping

---

**WELL DATA**

<table>
<thead>
<tr>
<th>Well Depth</th>
<th>358'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing Diameter (In.)</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Casing Length (Ft.)</td>
<td>300'</td>
</tr>
<tr>
<td>Hole Depth</td>
<td>381'</td>
</tr>
</tbody>
</table>

**TYPE OF COMPLETION**: (Circle One or More):
- Gravel Pack
- Undrained
- Telescoped
- Natural Development
- Open Hole
- Other (Describe)

**Top of Lap Pipe or Reduction in Casing**: 235 FEET

**SCREEN DATA**

- **Diameter - Inches**: 8"
- **Length - Feet**: 62.3'
- **Slot Size - Inches**: .025
- **Screen Type**: SS Ribbed
- **Depth to Bottom - Feet**: 358'

---

**DESCRIPTION OF FORMATIONS ENCOUNTERED**

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay &amp; Gravel</td>
<td>0</td>
</tr>
<tr>
<td>Sand</td>
<td>15</td>
</tr>
<tr>
<td>Clay w/Sand Streaks</td>
<td>45</td>
</tr>
<tr>
<td>Sand</td>
<td>230</td>
</tr>
<tr>
<td>Clay</td>
<td>257</td>
</tr>
<tr>
<td>Rock</td>
<td>265</td>
</tr>
<tr>
<td>Clay</td>
<td>265</td>
</tr>
<tr>
<td>Gravel</td>
<td>300</td>
</tr>
<tr>
<td>Clay</td>
<td>360</td>
</tr>
<tr>
<td>Pink Clay w/Sand Strks</td>
<td>370</td>
</tr>
</tbody>
</table>

---

**GEOLOGIC DATA**

**TYPE OF LOG RUN (Circle One): No Log Run, Electric, Gamma Ray, Density, Sonic, Neutron, Other (Describe) **

**Name of Organization Running Log**
Herdon Well & Supply, Inc.

**GEOLOGIC DATA**

- **Surface Elev.**
- **Geologic Unit**
- **Unit Thickness**
- **Depth to Top**

**Driller's Remarks**

---

**RECEIVED**

**DEC 21 1990**

**Department of Natural Resources**
Bureau of Land & Water Resources
If well telescopes please sketch and show depths.

GROUND LEVEL

SECTION 26
Please indicate well location X.

ADDITIONAL INFORMATION

If more than one screen, show location of each on sketch.

Top of top 235'
Top of screen 297'
APPLICATION FOR PERMIT TO DIVERT OR USE IN LAND WATER RESOURCES 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

<table>
<thead>
<tr>
<th>Issued</th>
<th>Expires</th>
<th>Fec Paid</th>
<th>Permit No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-12-57</td>
<td>8-12-2007</td>
<td>X</td>
<td>-</td>
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</table>

<table>
<thead>
<tr>
<th>Lot</th>
<th>Long</th>
<th>Elev.</th>
<th>STAC.</th>
<th>USGS No.</th>
<th>MSDOH No.</th>
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</thead>
<tbody>
<tr>
<td>33-59-23</td>
<td>88-30-20</td>
<td>230</td>
<td>ASCS Farm No.</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aquifer</th>
<th>Tract No.</th>
<th>Basin No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GORD</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks</th>
<th>Dam Inv. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. GW02263

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
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 AMORY

<table>
<thead>
<tr>
<th>Name</th>
<th>(SSN or Tax ID No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name)</td>
<td>686-6000077</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Address</th>
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</thead>
<tbody>
<tr>
<td>P.O. BOX 266</td>
</tr>
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<table>
<thead>
<tr>
<th>City</th>
<th>State &amp; Zip</th>
<th>(Telephone No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMORY</td>
<td>MS 38821</td>
<td>256-5633</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(City)</th>
<th>(State &amp; Zip)</th>
<th>(Telephone)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(City)</td>
<td>(State &amp; Zip)</td>
<td>(Telephone)</td>
</tr>
</tbody>
</table>

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
NE 1/4 of the SW 1/4 of Section 26 Township 12S Range 19W County MONROE

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: GORDO MISSISSIPPI DEPARTMENT OF HEALTH NO.: 48-0002-7

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

If well has already been drilled, when was well completed (date)? AUGUST 19_ _

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

3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 375' Feet DRILLER:
   (b) SURFACE CASING: Length 300 feet; Diameter 12" inches; Type STEEL
   (c) SCREEN: Length 50' feet; Diameter 8" inches; Type S.S. WIRE WOUND
   (d) PUMP: Type VERTICAL TURBINE Capacity 600 gallons per minute; Setting depth 160' feet
   (e) POWER UNIT: Type Size horsepower

4. PERMITTED VOLUME:
   (a) acre-feet per year at a maximum rate of gallons per minute

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

(continued on back)
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
   ________________ 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 __________

   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?

   Year (Volume) Year (Volume) Year (Volume) Year (Volume) Year (Volume)
   2010 ____________ 2011 ____________ 2012 ____________ 2013 ____________ 2014 ____________
   2015 ____________

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.

JERRY COOPER

(Name)

P.O. BOX 266

(Address)

AMORY, MS 38821

(City, State, Zip)

(601)256-5633

(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.

The person designated to complete this application is ____________________

(Signature)

Subscribed and sworn to before me this 8th day of NOVEMBER, 1996 at MONROE County of MISSISSIPPI

My commission expires JUNE 19, 2000

RAY H. BROWN Notary Public.
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR THE BENEFICIAL USE OF THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

Pursuant to the laws of the State of Mississippi, namely §51-3-6 (1), as amended, I, the landowner,

City of Amory, Mississippi

64-6000077

P.O. Box 6

601

256-5635

Amory

MS- 58871

(601)

Ground

Surface water

irrigation;

recreation;

livestock water;

fish culture;

industrial;

municipal

Other

1. Name & Address of agent or applicant if different from landowner.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

2. Location of point of diversion/withdrawal (include location map with application)

NE 1/4 of SW 1/4 of Section 26 Township 12 S, Range 19 W, County Monroe

3. Volume of water diverted/withdrawn:

(1) _______ acre feet per year, diverted/withdrawn at a maximum rate of _______ gallons per minute; or

(2) 0.43 million gallons per day, diverted/withdrawn at a maximum rate of 600 gallons per minute.

4. Construction of proposed work will begin _______ June 1 ______ 19 86

5. Estimated date of completion _______ September 1 ______ 19 86

6. Water will be used _______ every day _______ to _______ each year

7. Description of lands on which water will be used:

(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary _______ see vicinity map and site sketch

(b) Has the above described land any water right or source of water supply other than that herein applied for?

(Water Rights Number(s) _______ ) Describe the nature and amount of any additional supply _______

SECTION A (to be completed if source of water is from surface supply)

1. Source of supply is _______ which drains into _______ which drains into _______

2. Description of diversion works:

(a) Water obtained directly from stream:

Pump _______ (Name)

Power Unit _______ (Size and type)

Lift _______ ft. Maximum capacity _______ gpm

(b) Storage reservoir _______ (Name)

Height of dam _______ feet. Surface area at normal pool _______ acres

Storage capacity at normal pool _______ acre feet
SECTION B (to be completed if source of water is from underground supply)

1. Source of supply: Gordo aquifer(s)

2. Description of water well:
   (a) Proposed Well Data:
       Estimated depth to be drilled 375 feet
   (b) Proposed Screen Data:
       (1) Estimated Length 50 ft. (2) Estimated Diameter 8 inches
       (3) Proposed Type S.S. wire wound (4) Proposed slot size 0.030 inches
   (c) Proposed Casing Data
       (1) Estimated Length 300 ft. (2) Estimated Diameter 12 inches
       (3) Proposed Type Steel
   (d) Proposed Pump Data:
       (1) Estimated Type & Size 10" Vertical Turbine (2) Estimated Capacity 600 gpm
       (3) Estimated No. of Stages 5 (4) Estimated Setting Depth 160 ft.

Well Drilled: unknown - bids to be received April 15, 1986

(Name of Company)

WATER USE DATA

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

<table>
<thead>
<tr>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>SEC.</th>
<th>NE1/4</th>
<th>NW1/4</th>
<th>SW1/4</th>
<th>SE1/4</th>
<th>TOTALS</th>
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<tr>
<td></td>
<td></td>
<td></td>
<td>NE1/4</td>
<td>NW1/4</td>
<td>SW1/4</td>
<td>SE1/4</td>
<td></td>
</tr>
</tbody>
</table>

   (b) List the acres to be irrigated: Rice: Cotton: Corn: Pasture: Truck: Other crops:

2. If for MUNICIPAL use: (a) Present population ______________________, (based on 19___ Census)
   (b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>2.00</td>
<td>19.85</td>
<td>2.10</td>
<td>19.90</td>
<td>2.21</td>
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<tr>
<td>2.32</td>
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</tr>
<tr>
<td>X/XX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year:
   rate of release: location of release point in reference to diversion point (show location on map)

4. If for RECREATIONAL use: Explain how water will be used

5. If for FISH CULTURE use: (a) Explain in detail how water will be used

6. If for ANY OTHER use: (a) Explain in detail

REMARKS

List below the name and address of person to be contacted for additional information, if required.

Billie Wright
P.O. Box 6
Amory, MS 38821

The accompanying map is hereby declared a part of this application. Ten dollar ($10.00) fee herewith enclosed.

Billie Wright

Subscribed and sworn to before me this 13th day of March 19_86 at AMORY

County of MONROE, Mississippi. My commission expires September 22, 1988

[Signature]

[Signature] Notary Public
**APPLICATION FORM FOR GROUNDWATER**

<table>
<thead>
<tr>
<th>Permit No.</th>
<th>Status Code</th>
<th>County Code</th>
<th>Date Notice Sent</th>
<th>Notice Returned</th>
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<tbody>
<tr>
<td>MS-GW-02263</td>
<td>No.4</td>
<td>095</td>
<td></td>
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<tr>
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<td>(Marion)</td>
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<tr>
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<th>Date Renewal Notice Sent</th>
<th>Date Renewal Application Rec'd</th>
<th>Date Renewal Permit Issued</th>
<th>Date Renewal Permit Expires</th>
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<tr>
<th>Well No.</th>
<th>Applicant/User</th>
<th>Address</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Phone No.</th>
<th>Phone No.</th>
<th>S/S or Tax ID No.</th>
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<table>
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<tr>
<th>Amount of water permitted</th>
<th>Beneficial Use for</th>
<th>Location:</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Quadrangle</th>
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</thead>
<tbody>
<tr>
<td>0.43</td>
<td>M4 (municipal)</td>
<td>NE 1/4, SW 1/4, Section 26, Township 12S, Range 19W</td>
<td>33°57'33&quot;</td>
<td>88°30'20&quot;</td>
<td>Wren</td>
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<table>
<thead>
<tr>
<th>Date Drilled</th>
<th>Surface elevation</th>
<th>Depth</th>
<th>Casing diameter</th>
<th>Type of casing</th>
<th>Initial depth to static water level</th>
<th>Initial yield</th>
<th>Casing length</th>
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<tbody>
<tr>
<td>8/16</td>
<td>240 ft.</td>
<td>375 ft.</td>
<td>12 inches</td>
<td>5/7</td>
<td>ft.</td>
<td>gpm</td>
<td>ft.</td>
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<table>
<thead>
<tr>
<th>Screen Diameter</th>
<th>Screen Type</th>
<th>Screen Slot size</th>
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</tr>
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<tbody>
<tr>
<td>8 inches</td>
<td>55W</td>
<td>0.005 &quot;</td>
<td>ft.</td>
<td>ft.</td>
<td>ft.</td>
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<table>
<thead>
<tr>
<th>Geologic Data:</th>
<th>Pump Data:</th>
<th>Well Driller Name</th>
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</thead>
<tbody>
<tr>
<td>Geologic Unit:</td>
<td>Type &amp; size of pump</td>
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<tr>
<td>CORD (Gorda Aquifer)</td>
<td>600 gpm</td>
<td></td>
</tr>
<tr>
<td>Subsequent depth to Static Water Level</td>
<td>No. of stages</td>
<td>Depth to top of unit ft.</td>
</tr>
<tr>
<td>Date Subsequent Depth Measured</td>
<td>Setting Depth</td>
<td>ft.</td>
</tr>
<tr>
<td>Geophysical log</td>
<td>160 ft.</td>
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<tr>
<td>Water analysis</td>
<td>Aquifer test</td>
<td>ft.</td>
</tr>
<tr>
<td>Thickness of sand unit</td>
<td>ft.</td>
<td>ft.</td>
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