**MISSISSIPPI BOARD OF WATER COMMISSIONERS**

416 North State Street  
Jackson, Mississippi 39201

**WATER WELL DRILLERS LOG**

Elev. 170

**J-102**

**CL-1414**

3/10/80

3/10  80 Layne-Central Co.  Coahoma

date well completed  firm name  county well located

<table>
<thead>
<tr>
<th>LANDOWNER:</th>
<th>description of formations encountered</th>
<th>from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Clarksdale</td>
<td>Clay</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Clay Sand</td>
<td>25</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; P. Gravel</td>
<td>65</td>
<td>96</td>
</tr>
<tr>
<td></td>
<td>C. Sand &amp; Gr.</td>
<td>96</td>
<td>136</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>136</td>
<td>224</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>224</td>
<td>303</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>303</td>
<td>319</td>
</tr>
<tr>
<td></td>
<td>F. Sand with st of blue clay</td>
<td>319</td>
<td>369</td>
</tr>
<tr>
<td></td>
<td>Shale</td>
<td>369</td>
<td>387</td>
</tr>
<tr>
<td></td>
<td>F. Sand</td>
<td>387</td>
<td>414</td>
</tr>
<tr>
<td></td>
<td>Sandy Clay</td>
<td>414</td>
<td>520</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>520</td>
<td>590</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>590</td>
<td>736</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>736</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>102</td>
<td>103</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>103</td>
<td>104</td>
</tr>
<tr>
<td></td>
<td>Sandy Clay</td>
<td>104</td>
<td>111</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>111</td>
<td>112</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WELL LOCATION:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>sec 24 T 27N R 25 E W</td>
<td>miles (distance) of (nearest town)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(direction)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WELL PURPOSE: Municipal</th>
<th>(home, Irrigation, municipal, industrial)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>WELL COMPLETION DATA:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) diameter (inches)</td>
<td>12&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) total depth (ft)</td>
<td>1122&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) static water level (ft)</td>
<td>19'7 above top of ground.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) casing (material)</td>
<td>1046' St. Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) screen (length)</td>
<td>71'2&quot; 1046-10&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6) pump (HP)</td>
<td>75 750</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7) electric log (yes or no)</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(8) how well bottom plugged</td>
<td>RPV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DEPT. OF NATURAL RESOURCES**

**BUREAU OF LAND & WATER RESOURCES**

**RECEIVED**

**AUG 21 1980**
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): Grantham                  DATE: 9-6-96
UNIT DEQ #:                                      FILE #: A090614B
HEALTH DEPT. #: 140002-09 #14  ELEV. 170'
USGS #: 3-102       OLWR #: MS-6-W-04980
OWNER: City of Clarksdale #14
LOCATION: NW SE NW S 25 T 27 N R 40 COUNTY: Colorado
LOCATION DESCRIPTION: Near Corner of 19th and Center St
NW Corner Power Plant Yd

CASING DIA: 12'    PUMP TYPE & SIZE: 

GPS FIELD LOCATION: LAT. 34.11.100 LONG. 90.33.938
GPS CORRECTED LOCATION: LAT. 34.18534644 LONG. 90.56577534
REMARKS: Clarksdale Area
**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW**

**FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

**JUN 29 1998**

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P. O. Box 628, JACKSON, MS 39289-0631; (601) 961-5202

This box is for office use only

Lat. 34-11-07 Long. 90-33-55 Elev. 170 USGS No.
Quad: Markhdale ASCS Farm No. STAC: MSHOH No.
Remarks: Dam Inv. No.

**THIS APPLICATION IS FOR (Circle one):** NEW PERMIT RENEWAL PERMIT NO. GL-04960

**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 2) Municipal, Rural Water, or Private Water 3) 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 Clarksdale, Mississippi 64-6000245 (SSN or Tax ID No.)

P. O. Box 940

<table>
<thead>
<tr>
<th>Address</th>
<th>(City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarksdale</td>
<td>MS 38614</td>
</tr>
</tbody>
</table>

601 621 8100 (Telephone No.)

**APPLICANT, AGENT, OR LESSEE** (if different from Landowner):

Clarksdale Public Utilities 64-6011271 (SSN or Tax ID No.)

P. O. Box 70

<table>
<thead>
<tr>
<th>Address</th>
<th>(City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarksdale</td>
<td>MS 38614</td>
</tr>
</tbody>
</table>

601 627 8403 (Telephone)

<table>
<thead>
<tr>
<th>Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 1/4 of the NW 1/4 of Section 25 Township 27N Range 4W County Coahoma</td>
</tr>
</tbody>
</table>

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, 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:** 1118 foot aquifer MISSISSIPPI DEPARTMENT OF HEALTH NO. 01400002-09

2. Proposed work will begin on and will be completed by 19 .
   
   If well has already been drilled, when was well completed (date)? 05-10 19 80 . Under whose name was well originally drilled (if known)? City of Clarksdale

3. Description of proposed or completed well:
   
   (a) **DEPTH OF WELL:** 1122 Feet. **DRILLER:** Layne Central
   
   (b) **SURFACE CASING:** Length 1046 Feet; Diameter 12 inches; Type steel, grouted in place.
   
   (c) **SCREEN:** Length 71'2" Feet; Diameter 8 inches; Type bar, stainless steel
   
   (d) **PUMP:** Type RKB 12 ; Size 750 gallons per minute; Setting depth 165 feet
   
   (e) **POWER UNIT:** Type U.S. (electric) ; Size 75 horsepower

4. **PERMITTED VOLUME**:
   
   (a) 
   
   (b) 

(Continued on back)

[Signature]

[Stamp]
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
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 2353
   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) (Year) (Year) (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.

Philip A. Clark, Jr. Clarksdale Public Utilities

(Name)
P.O. Box 70

(Address)
Clarksdale, MS 38614

(City, State, Zip)
601-627-8490

(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 the 30th day of June, 1998 at Clarksdale County of, Coahoma

My commission expires MY.COMMISSION EXPIRES DEC. 29, 2000

Notary Public