**WELL SCHEDULE**

**MASTER CARD**

- **Record by:** W. Smith
- **State:** MO
- **County (or town):** Clark
- **Well number:** J26
- **Latitude:** 39° 8' 41" N
- **Longitude:** 94° 25' 10" W
- **Well use:** Other: South Paw plant
- **Owner name:**

<table>
<thead>
<tr>
<th>Field aquifer char.</th>
<th>Hyd. lab. data.</th>
<th>Qual. water data: type:</th>
<th>Freq. sampling:</th>
<th>Aperture cards:</th>
<th>Log data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**WELL-DESCRIPTION CARD**

- **Depth well:** 160.3 ft
- **Casing:** 7:0.3 ft
- **Type:** 18 x 10 in
- **Method:** air borer, cable, dog, hyd jetted, air reverse trenching, driven, drive rott, percussion, rotary, wash, other
- **Driller:** Layne
- **Power:** diesel, elec, gas, gasoline, hand, gas, wind
- **Deep:** Yes

<table>
<thead>
<tr>
<th>Source</th>
<th>Accuracy: (source)</th>
<th>Alt. LSD:</th>
<th>Water level:</th>
<th>Date measure:</th>
<th>Drawdown:</th>
<th>Quality of water data:</th>
<th>Spec. Conduct:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>170</td>
<td>44</td>
<td>3</td>
<td>7.6.3</td>
<td>Iron: 50 ppm</td>
<td>X x 10^6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4.4</td>
<td>51</td>
<td></td>
<td>Sulfate: ppm</td>
<td>Temp: 74° F</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chloride: ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hard: ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date sampled:</td>
<td></td>
</tr>
</tbody>
</table>

**DATA AVAILABLE:**

- Well data
- Freq. W/L meas.: 70
- Field aquifer char.
- Hyd. lab. data.
- Qual. water data: type.
- Freq. sampling:
- Aperture cards:
- Log data:

**OTHER:**

- Other number: [Handwritten note]
- Owner: [Handwritten note]
HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: 03

Section: 03

Subbasin: 15

Top of: depression, stream channel, dune, fluv., hilltop, sink, swamp.

Well Site: offshore, pediment, hillside, terrace, undulating, valley, flat.

MAJOR AQUIFER:

System: TE

Series: 51

Aquifer, formation, group: 51

Origin: 32

Thickness: 6

Lithology: U.S.

Length of well open to: 144 ft

Depth to top of: 1000 ft

MINOR AQUIFER:

System: 2

Series: 53

Aquifer, formation, group: 3

Origin: 32

Thickness: 6

Lithology: U.S.

Length of well open to: 33 ft

Depth to top of: 44 ft

Impermeable Screened: 10 ft

Depth to consolidated rock: 35 ft

Source of data:

Depth to basement:

Source of data:

Surficial material:

Infiltration characteristics:

Coefficient:

Transmissivity:

Coefficient:

Form:

8 hr. pumping test by driller

12 - 63

50% of air line

Static water level = -45'

1600 gpm by flow meter

55% of dd

Specific capacity = 24 gpm/ft. of dd
**WATER WELL DRILLERS LOG**

**Elev. 170**

**Date:** 7-16-1963, **Driller:** Layne-Central Co, **County:** Coahoma

<table>
<thead>
<tr>
<th>Owner of Land:</th>
<th>City of Clarksdale</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name)</td>
<td>Clarksdale, Miss.</td>
</tr>
<tr>
<td>(Address)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location:</th>
<th>SW 1/4, NE 1/4, Sec. 25, T25N, R4W</th>
</tr>
</thead>
<tbody>
<tr>
<td>(distance)</td>
<td>of</td>
</tr>
<tr>
<td>(direction)</td>
<td></td>
</tr>
<tr>
<td>(Nearest Town)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topography:</th>
<th>(Hilly) (Flat) (Level)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Purpose of Well:</th>
<th>municipal</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Domestic Irrigation) (Municipal, Industrial, Other)</td>
<td></td>
</tr>
</tbody>
</table>

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**Information upon completion of well:**

- **Diameter:** 18 inches.
- **Total Depth:** 708\(\frac{1}{2}\) feet.
- **Water Level:** 44\(\frac{1}{2}\) feet below top of ground.
- **Cased to:** 587\(\frac{1}{2}\) Size.
- **Screen: Size:** 10\(\frac{1}{2}\), **Length:** 100 feet.
- **Were any formations sealed against pollution?**
  - x yes, no.
  
  If YES, depth of formation **587\(\frac{1}{2}\) feet**
  
  Why **required**
  
  Drillers Remarks:

<table>
<thead>
<tr>
<th>Description &amp; Color of Materials</th>
<th>Thickness Feet</th>
<th>Depth Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand, Clay, Red Clay, Shell, etc.</td>
<td>0-30 clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30-114 sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>114-128 sand &amp; gravel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>128-139 packed sand &amp; gravel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>139-151 tough clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>151-153 rock</td>
<td></td>
</tr>
<tr>
<td></td>
<td>153-230 clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>230-350 sandy clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>250-290 sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>290-312 clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>312-400 sandy clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>400-430 clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>430-457 sandy clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>457-480 clay-sand stks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>480-507 sand-clay stks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>507-508 rock</td>
<td></td>
</tr>
<tr>
<td></td>
<td>508-574 hard clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>574-591 sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>591-613 draggy sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>613-636 sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>636-646 clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>646-659 sand-clay stks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>659-682 packed sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>682-703 packed sand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>703-710 clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>710-711 rock</td>
<td></td>
</tr>
</tbody>
</table>

(Use Back Side)

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S):  Crowther                        DATE:   9-6-96
UNIT DEQ #:                                      FILE #:  A090614A
HEALTH DEPT. #:  140002-04                        ELEV.  169'
USGS #:       5-26                                OLWR #:  MS-GW-04975
OWNER: City of Clarksdale # 8
LOCATION: SW SW NE S 25 T 27 R 4W  COUNTY: Coahoma
LOCATION DESCRIPTION: On lark lane at So. Plant

CASING DIA:  13"  PUMP TYPE & SIZE: ________________________________

GPS FIELD LOCATION: LAT.  3411.022  LONG.  90.337092
GPS CORRECTED LOCATION: LAT.  34.18402022  LONG.  90.56238435
REMARKS:  clarksdale quad
APPLICANT: City of Clarksdale, Mississippi

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

Clarksdale Public Utilities

LOCATION OF DIVERSION/WITHDRAWAL POINT (A suitable map with location marked must accompany this application):

S W 1/4 of the NE 1/4 of Section 25, Township 27 N, Range 40 W, County Coahoma

Yes [ ] No [x] 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: 697 foot aquifer

MISSISSIPPI DEPARTMENT OF HEALTH NO.: 0140002-04

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

If well has already been drilled, when was well completed? 04/17, 19. Under whose name was well originally drilled (if known)? City of Clarksdale

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 703 ft

(b) SURFACE CASING: Length 587.8 feet; Diameter 18 inches; Type steel, grouted in place

(c) SCREEN: Length 100 feet; Diameter 10 inches; Type stainless steel screen

(d) PUMP: Type SHC Size 7/10 Capacity 1600 gallons per minute; Setting depth 132 feet

(e) POWER UNIT: Type U.S. (electric) Size 100 horsepower

4. PERMITTED VOLUME:

(a) 697 feet per year at a maximum rate of gallons per minute

(b) 697 gallons per day at a maximum rate of 1600 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: __________________________ ft
   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: _______ ; Data: _______ ; 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
   Choose "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?
   __________________________ 2003 __________________________ 2008 __________________________ 2013 __________________________ 2018
   (Volume) (Volume) (Volume) (Volume)
   __________________________ 4.56MGD __________________________ 4.56MGD __________________________ 4.56MGD __________________________
   (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.  Clarkdale Public Utilities

(Name)
P.O. Box 70
(Address)
Clarkdale, MS 38614
(City, State, Zip)
601-680-8490
(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, 1991, at Clarkdale County of, County.

My commission expires MSISSIPPI STATEWIDE NOTARY PUBLIC MY COMMISSION EXPIRES 06-20-2009

Notary Public