WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER-RESOURCES DIVISION

FORM 9-1642 (1-68)

Well No. J68

Record by JCM
Source of data BOWC
Date 11-71
Map SHELDRE 87B

State: 21
County or town: COAHOMA

Latitude: 34° 12' 10" N
Longitude: 90° 34' 15"

Lat-long accuracy: 12

Local well number: 064

Local use: CLARKSDALE

Owner or name: CITY HALL
Address: North Edwards Ave.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist.


Stock, Inact, Unused, Recharge, Desal-Desal, Desal-

Use data:

DATA AVAILABLE:

Well data:

Field aquifer char.

Hyd. lab. data:

Frag, water data:

Pumpage inventory:

Aperture cards:

Log data:

WELL DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well:

Casing:

Steel

Diam.

Method:

Drilled:

Pump intake setting:

Driller:

Drilled:

Lift:

Power:

diesel, etc., gas, gasoline, hand, etc., wind, H.P.

Descrip. MP:

Alt. LSD:

Water Level:

Date:

Yield:

Drawdown:

QUALITY OF WATER DATA:

Sp. Conduct.

Taste, color, etc.
### HYDROGEOLOGIC CARD

**Physiographic Province:** [Redacted]

**Drainage Basin:**

**Topo of well:** depression, stream channel, dunes, flat, hilltop, sink, swamp.

**Well site:** offshore, pediment, hillside, terrace, undulating, valley flat.

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**MAJOR AQUIFER:**

**System:**

**Series:**

**Aquifer, formation, group:**

**Lithology:**

**Length of well open to:**

**Origin:**

**Depth to top of:**

**Aquifer Thickness:**

**Selected Aquifer:**

**System:**

**Series:**

**Aquifer, formation, group:**

**Lithology:**

**Length of well open to:**

**Origin:**

**Depth to top of:**

**Aquifer Thickness:**

**Intervals:**

**Screened:**

**Depth to consolidated rock:**

**Source of data:**

**Depth to basement:**

**Source of data:**

**Surface material:**

**Coefficient of infiltration characteristic:**

**Coefficient of storage:**

**Coefficient of trans:**

**Ferm:**

---

### WELL COMPLETION DATA:

1. **diameter (inches):** 18"
2. **total depth (feet):** 715'
3. **static water level (feet):** 68' below top of ground.
4. **casing (material):** steel pipe 621' (depth)
5. **screen (material):** s.s. shutter 621' (depth to top)

**description of formations encountered from:**

- **Filling:** 0-6
- **Clay:** 6-40
- **Sand-gravel:** 40-132
- **Rock:** 132-137
- **Sand-gravel:** 137-150
- **Clay:** 150-190
- **Sandy clay:** 190-280
- **Sand:** 280-334
- **Clay-sand st.:** 334-361
- **Hard clay:** 361-384
- **Sandy clay:** 384-450
- **Clay:** 450-474
- **Rock:** 474-676
- **Clay:** 476-620
- **Sand:** 620-656
- **Hard clay:** 656-666
- **Sand:** 666-712
- **Hard gumbo:** 712-722
DATA SHEET-VERIFICATION CHECKLIST

COUNTY - OKLAHOMA

CLARKSDALE QUAD

(behind city hall, at oil pump plant)

WELL OWNER - CLARKSDALE #10 WELL

U.S.G.S. NO. - J-68

B.O.H. NO. - 14-0002-06

OLWR NO. -

LOCATION:

MAP - SW, NW, NW 52A, T2N, R4W

GPS -

ELEV. (MSL) - 173'

W.L. (L.S.) -

(1) - 72.2' 6-28-95

(2) - 72.2' -

HEAD (MSL) - +100.9'

SCREENED INTERVAL - 421' - 69' (LS) - 449' - 518' (MSL)

AQUIFER VERIFIED - SPARTA

PREVIOUS W.L. - 82.20' (10/12/88) - 69.93' (11/25/89) - 63' (11/10/87)

DATA ENTERED -

CHECKED

F4-4
**MISSISSIPPI BOARD OF WATER COMMISSIONERS**
416 North State Street
Jackson, Mississippi 39201

**WATER WELL DRILLERS LOG**

<table>
<thead>
<tr>
<th>Date well completed</th>
<th>1967</th>
<th>Location</th>
<th>Layne-Central Co.</th>
<th>Coahoma</th>
</tr>
</thead>
</table>

<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>Filling</td>
<td>0-6</td>
<td></td>
</tr>
<tr>
<td>Clarksdale, Mississippi</td>
<td>clay</td>
<td>6-40</td>
<td></td>
</tr>
<tr>
<td></td>
<td>sand-gravel</td>
<td>40-132</td>
<td></td>
</tr>
<tr>
<td></td>
<td>rock</td>
<td>132-137</td>
<td></td>
</tr>
<tr>
<td>WELL LOCATION</td>
<td>sand-gravel</td>
<td>137-150</td>
<td></td>
</tr>
<tr>
<td>sec 24, T 27 N, R 6 E</td>
<td>clay</td>
<td>150-190</td>
<td></td>
</tr>
<tr>
<td>5 miles</td>
<td>sandy clay</td>
<td>190-280</td>
<td></td>
</tr>
<tr>
<td></td>
<td>sand</td>
<td>280-334</td>
<td></td>
</tr>
<tr>
<td></td>
<td>clay-sand st.</td>
<td>334-361</td>
<td></td>
</tr>
<tr>
<td></td>
<td>hard clay</td>
<td>361-384</td>
<td></td>
</tr>
<tr>
<td></td>
<td>sandy clay</td>
<td>384-450</td>
<td></td>
</tr>
<tr>
<td></td>
<td>clay</td>
<td>450-474</td>
<td></td>
</tr>
<tr>
<td>WELL PURPOSE</td>
<td>rock</td>
<td>474-476</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td>clay</td>
<td>476-620</td>
<td></td>
</tr>
<tr>
<td></td>
<td>sand</td>
<td>620-656</td>
<td></td>
</tr>
<tr>
<td>WELL COMPLETION DATA</td>
<td>hard clay</td>
<td>656-666</td>
<td></td>
</tr>
<tr>
<td>(1) diameter (inches)</td>
<td>steel pipe</td>
<td>621'</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(material)</td>
<td>(depth)</td>
<td></td>
</tr>
<tr>
<td>(2) total depth (feet)</td>
<td>715'</td>
<td></td>
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<tr>
<td>(3) static water level (feet)</td>
<td>68' below top of ground</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) casing</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(size)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) screen</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(length)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(depth to top)</td>
<td>12'</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(size)</td>
<td>S.S. shutter</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(material)</td>
<td></td>
<td></td>
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<tr>
<td>(6) pump</td>
<td>--</td>
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<tr>
<td></td>
<td>(HP)</td>
<td>100</td>
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</tr>
<tr>
<td></td>
<td>(yield gpm)</td>
<td>1,000</td>
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</tr>
<tr>
<td></td>
<td>electric</td>
<td>--</td>
<td></td>
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<tr>
<td></td>
<td>(type power)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7) electric log</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(yes or no)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(organization running log)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(8) how well bottom plugged</td>
<td>--</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DRILLERS REMARKS:**

(Coded information)
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): Stewart/Everett

DATE: 10/21/98

UNIT DEQ #: 

FILE #: A108122C

HEALTH DEPT. #: 140002-06

ELEV. 170

USGS #: D-468

OLWR #: MS-GW-049277

OWNER: Clarkdale

LOCATION: S2 NW NW

S 24 T 27 N R 4 W

COUNTY: Coahoma

LOCATION DESCRIPTION: Behind Public Utility Bldg.

in parking lot

CASING DIA: 18

PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 34°12.079

LONG. 90°34.226'

GPS CORRECTED LOCATION: LAT. 34°201646N

LONG. 90°562723W

REMARKS: Clarkdale 2nd
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 940, CLARKSDALE, MS 38614-9994; (601) 961-8202

This box is for office use only.

FORM OF WR-AP-2 (REV. 9/91)

Issued: 8-9-88
Expires: 9-8-89
Fee Paid: X

Permit No.

USGS No.

MDSQH No.

BASIN NO.

ASSIGN No.

Remarks:

NEW PERMIT RENEWAL PERMIT NO.

GU-04977

GROUNDWATER COMPLETE A,B,E

SURFACE WATER COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply 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 Clarksdale, Mississippi

(Name) 66-6800245

(SSN or Tax ID No.)

P. O. Box 940

(Address)

Clarksdale MS 38614

(City) 601 821 8100

(State & Zip) (Telephone No.)

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

Clarksdale Public Utilities

66-6801271

(Name) 66-6011271

(SSN or Tax ID No.)

P. O. Box 70

(Address)

Clarksdale MS 38614

(City) 601 627 8403

(State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NU 14 of the NU 14 of Section 24 Township 27N, Range 4W County Coahoma

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.

GU-04976 & GU-04978

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: 709 foot aquifer

MISSISSIPPI DEPARTMENT OF HEALTH NO.

014000-06

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

If well has already been drilled, was well completed (date)? 02-10 19-67 Under whose name was well originally drilled (if known)?

City of Clarksdale

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 715

Feet, DRILLER: Layne Central

(b) SURFACE CASING: Length 621 feet, Diameter 18 inches; Type steel, grouted in place

(c) SCREEN: Length 70 feet, Diameter 12 inches; Type stainless steel shutter

(d) PUMP Type RKAH Size 17 Capacity 1000 gallons per minute; Setting depth 156 feet

(e) POWER UNIT: Type G.E. [electric] Size 100 horsepower

4. PERMITTED VOLUME:

(a) 0.48 acre-feet per year at a maximum rate of gallons per minute

(b) 4.81 million gallons per day at a maximum rate of 1000 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 _______; Irrigation _______
   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 reservoirs 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?

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) 660-627-8490 ___________________________

(Telephone) ___________________________

Subscribed and sworn to before me this 25th day of June, 1992, Clarksdale, County of Coahoma.

My commission expires ___________

Signature ___________________________

Notary Public ___________________________

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.