

GW04976  
DOH # 140002-05

FORM 9-1642-  
(1-68)

Well No. J 33

WELL SCHEDULE

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

MASTER CARD

Record by B.D. Source of data BOWC Date 8-71 Map \_\_\_\_\_

State 28 County (or town) Coahoma 7-4

Latitude: 34 12 13 N S. Longitude: 09 02 74 0 Sequential number: 1

Lat-long accuracy: 3 T 27 S, R A Sec 24 NW 4 W

Local well number: 0033 3B 24 27 NO 4W Other number: #9 B & M DW

Local use: 069 Owner or name: CLARKSIDALE Address: between Desoto Ave. and Leflore Ave.

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, (T) Instit, (U) Unused, (V) Recharge, (W) Desal-P S, (X) Desal-other, (Y) Other P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (I) Obs, (J) Oil-gas, (K) Recharge, (L) Test, (M) Unused, (N) Withdraw, (O) Waste, (P) Destroyed W

DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling:  Pumpage inventory: yes  no, period:

Aperture cards:  yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 72.5 ft. Meas. rept 3

Depth cased: (first perf.) 64.5 ft. Casing type: 18x12 Diam. 1.8

Finish: porous gravel w. gravel v. (H) horiz. open perf., screen, sd. pt., shored, open hole, other 5

Method Drilled: (A) air rot., (B) bored, (C) cable, (D) dug, (E) hyd rot., (F) jetted, (G) air percussion, (H) reverse, (I) trenching, (J) driven, (K) drive wash, (L) other 4

Date Drilled: 9-6-6 Pump intake setting: \_\_\_\_\_ ft.

Driller: Layne-Cor name address

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other 7 Deep  Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P.  Trans. or meter no. \_\_\_\_\_

Alt. LSD: 170 Accuracy: (source) 3

Water Level: 63 ft above MP; Ft below LSD 63 Accuracy: 0

Date meas: 1-6-6 Yield: 1000 gpm Method determined 0

Drawdown: \_\_\_\_\_ ft Accuracy: \_\_\_\_\_ hrs

QUALITY OF WATER DATA: Iron \_\_\_\_\_ ppm Sulfate \_\_\_\_\_ ppm Chloride \_\_\_\_\_ ppm Hard. \_\_\_\_\_ ppm

Sp. Conduct \_\_\_\_\_ K x 10 5 Temp. \_\_\_\_\_ °F Date sampled \_\_\_\_\_

Taste, color, etc. \_\_\_\_\_

PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

Well No.

J-33

Well No. J33

Latitude-longitude \_\_\_\_\_  
N  
S  
d m s d m s

**HYDROGEOLOGIC CARD**

**SAME AS ON MASTER CARD** Physiographic Province: 03 Section: \_\_\_\_\_

Drainage Basin: E Subbasin: 15H

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (C) offshore, pediment, hillside, terrace, undulating, valley flat, (E) (F) (H) (K) (L) (P) (S) (T) (U) (V)

MAJOR AQUIFER: system \_\_\_\_\_ series U5 aquifer, formation, group SS

Lithology: \_\_\_\_\_ Origin: 2 Aquifer Thickness: 98 ft

Length of well open to: \_\_\_\_\_ ft 80 Depth to top of: \_\_\_\_\_ ft 627

MINOR AQUIFER: system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft \_\_\_\_\_ Depth to top of: \_\_\_\_\_ ft \_\_\_\_\_

Intervals Screened: 12"

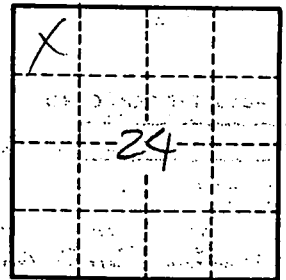
Depth to consolidated rock: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: \_\_\_\_\_ gpd/ft \_\_\_\_\_ Coefficient Storage: \_\_\_\_\_

Coefficient Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_



Well No. \_\_\_\_\_

T 33 ~~624~~ 4970 #9 Elev. 170 Central Fire Sta  
 NW/1/4, Sec. 24  
 1-66 T 27N, R 4W WATER WELL DRILLERS LOG De Sata  
 Between 2 & 3rd

Date: 1-3-1966, Driller: Layne-Central Co. County Coahoma  
 (Name)

(1) Owner of Land: City of Clarksdale  
 (Name)  
Clarksdale, Mississippi  
 (Address)

(2) Location: NW 1/4, NW 1/4, Sec. 24 T 27N R 4W  
 (distance) (direction) (Nearest Town)

(3) Topography: \_\_\_\_\_  
 (Hilly) (Flat) (Level)

(4) Purpose of Well: Municipal  
 (Domestic Irrigation  
 Municipal, Industrial, Other)

Information upon completion of well:

(1) Diameter 18 inches.

(2) Total Depth 745 feet.

(3) Water Level 63' feet below top of ground.

(4) Cased to 624', Size 18"

(5) Screen: Size 12", Length 80'

(6) Were any formations sealed against pollution?  
X yes, \_\_\_\_\_ no.

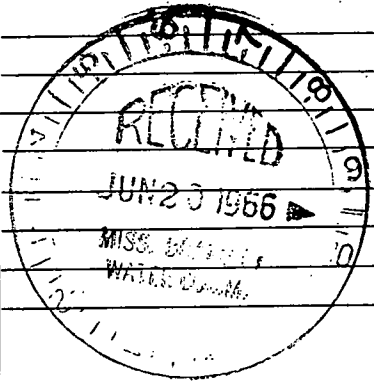
If YES depth of formation 624'

Why \_\_\_\_\_ required

Drillers Remarks: 1000 gpm

Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thick-ness Feet	Depth Feet
clay	0-40	745'
sand-gravel	40-146	
rock	146-147	
clay	147-190	
fine sand-clay	190-280	
sand	280-350	
clay-sand st.	350-407	
hard clay	407-475	
clay-sand st	475-500	
hard clay	500-585	
rock	536-537	
hard clay	532-621	
sand-clay	621-627	
sand	627-654	
gumbo	654-681	
sand	681-706	
clay-sand st.	706-717	
sand	717-725	
sand-clay	725-741	
clay	741-757	
rock	757-759	

**CODED**



(Use Back Side)

Well No.

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): Stewart / Everett DATE: 10/21/98

UNIT DEQ #: \_\_\_\_\_ FILE #: A102123A

HEALTH DEPT. #: 140002-05 ELEV. 170'

USGS #: 0-33 OLWR #: MS-GW-04976

OWNER: Clarksdale #9 well

LOCATION: NE NW NW S 24 T 27N R 4W COUNTY: Cookson

LOCATION DESCRIPTION: Behind Central Fire Station  
corner of DeSota + 2<sup>nd</sup>

CASING DIA: 18 PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 34° 12.168' LONG. 90° 34.122'

GPS CORRECTED LOCATION: LAT. 34.202918N LONG. 90.568645W

REMARKS: Clarksdale Quad.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 1053, Jackson, MS 39289-0631; (601) 961-5202

This box is for office use only. FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>8-9-88</u>	Expires: <u>9-8-2008</u>	Fee Paid: <u>X</u>	Permit No.
Lat: <u>34-10-11</u>	Long: <u>90-34-09</u>	Elev: <u>170</u>	USGS No.
Quad: <u>Clarkdale</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>SPRT</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. GW-04976

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 Clarksdale, Mississippi 64-6000245  
(Name) (SSN or Tax ID No.)  
P.O. Box 940  
(Address)  
Clarksdale MS 38614 601 627 8100  
(City) (State & Zip) (Telephone No.)

**APPLICANT, AGENT, OR LESSEE** (if different from Landowner):  
Clarksdale Public Utilities 64-6011271  
(Name) (SSN or Tax ID No.)  
P.O. Box 70  
(Address)  
Clarksdale MS 38614 601 627 8400  
(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):  
NW 1/4 of the NW 1/4 of Section 24, Township 27N, Range 4W, County Cochoma

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. GW-04977 & GW-04978

**SECTION B** (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: 739 foot aquifer MISSISSIPPI DEPARTMENT OF HEALTH NO.: 0140002-05

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.  
If well has already been drilled, when was well completed (date)? 01-03, 19 66. Under whose name was well originally drilled (if known)? City of Clarksdale

3. Description of proposed or completed well:  
(a) DEPTH OF WELL: 745 feet. DRILLER: Layne Central  
(b) SURFACE CASING: Length 624 feet; Diameter 18 inches; Type steel, grouted in place  
(c) SCREEN: Length 60 feet; Diameter 12 inches; Type stainless steel shutter  
(d) PUMP: Type RKAH; Size 12; Capacity 1000 gallons per minute; Setting depth 155 feet  
(e) POWER UNIT: Type U.S. (electric); Size 100 horsepower

4. PERMITTED VOLUME:  
(a) \_\_\_\_\_ gpm per year at a maximum rate of \_\_\_\_\_ gallons per minute  
(b) 0.48 million gallons per day at a maximum rate of 1000 gallons per minute

(CONTINUED ON BACK)

*Handwritten notes: 48, 8-14-98, 1000*

RECEIVED

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 7353  
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?  
4.56MGD 2003 4.56MGD 2008 4.56MGD 2013 4.56MGD 2018  
(Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (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.

Philip A. Clark Jr  
(Signature)

Subscribed and sworn to before me this 20th day of June, 1998, at Clarksdale County of Coahoma

My commission expires MISSISSIPPI STATEWIDE NOTARY PUBLIC MY COMMISSION EXPIRES DEC-29, 2000  
Cecilia C Branch Notary Public.



Clarksville Public Utilities  
 1. GW-04976 MSHD 0140002-05  
 Deep Well #9



*GW  
 4976  
 Renew*

**RECEIVED**

JUN 29 1998

Dept. of Environmental Quality  
 Office of Land & Water Resources

DATE	TIME	LOCATION	FILE NO.
06/29/98	10:00	Clarksville, TN	16800-10000-0101
06/29/98	10:00	Clarksville, TN	0101-E-01

