

Corrected 11/11/76
JAC
FORM 9-1842 (1-68)

GW 4978
DOM # 140002-07

Well No. J59
Elog #11

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

RECORDED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by WIO Source of data Bowc Obs. driller Date 3/69 Map _____

State 28 County COA Noma (or town) 1-4

Latitude: 341210N Longitude: 0903402 Sequential number: 1

Lat-long accuracy: 27 S. R. 48 Sec. 24 NW NW

Local well number: J1059802427N04W Other number: #11 Du

Local use: 064011 Owner or name: City of CLARKSDALE

Owner or name: CLARKSDALE Address: Fairland St

See
SEP 24 1973

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

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, water: P

Stock, Inslit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P

Use of well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

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

Hyd. lab. data:

Qual. water data; type: 3/69

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

Aperture cards:

Log data: E log - 184 - T22

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: T.D. 718 ft 712 Meas. rept 3

Depth cased: (first perf.) ft 652 Casing type: 18x12 Diam. 8

Finish: porous concrete, gravel w. screen, gravel w. (screen), horiz. gallery, open end, perf., screen, sd. pt., shored, open hole, other S

Method: air bored, cable, dug, hyd jetted, air rot., percussion, rotary, reverse trenching, driven, drive wash, other A

Date Drilled: 5-8-1969 9:69 Pump intake setting: ft 36

Driller: Layne Central Memphis

Lift (type): air, bucket, cent, jet, multiple, multiple, nose, piston, rot, submerg, turb, other T Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 100 Trans. or meter no. _____

Descrip. MP _____ ft above _____ below LSD, Alt. MP _____

Alt. LSD: 72 Accuracy: (source) 1

Water Level: ft above below MP; Ft below LSD 68 Accuracy: D

Date meas: 569 Yield: gpm 1000 Method determined

Drawdown: ft _____ Accuracy: _____ Pumping period _____ hrs _____

QUALITY OF WATER DATA: Iron _____ Sulfate _____ Chloride _____ Hard. _____

Sp. Conduct _____ K x 10⁶ _____ Temp. _____ °F _____ Date sampled 3:69

Taste, color, etc. _____

Well No. J59

HYDROGEOLOGIC CARD

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: _____

03 Section: _____

E Drainage Basin: _____

15H Subbasin: _____

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

MAJOR AQUIFER: _____

TE aquifer, formation, group

SS

Lithology: _____

AS Origin: _____

2 Aquifer Thickness: _____

> 100 ft

Length of well open to: _____ ft

60

Depth to top of: _____ ft

61.8

MINOR AQUIFER: _____

Lithology: _____

Origin: _____

Aquifer Thickness: _____

Length of well open to: _____ ft

Depth to top of: _____ ft

Intervals Screened: _____

60 SS

Depth to consolidated rock: _____ ft

Source of data: _____

Depth to basement: _____ ft

Source of data: _____

Surficial material: _____

Infiltration characteristics: _____

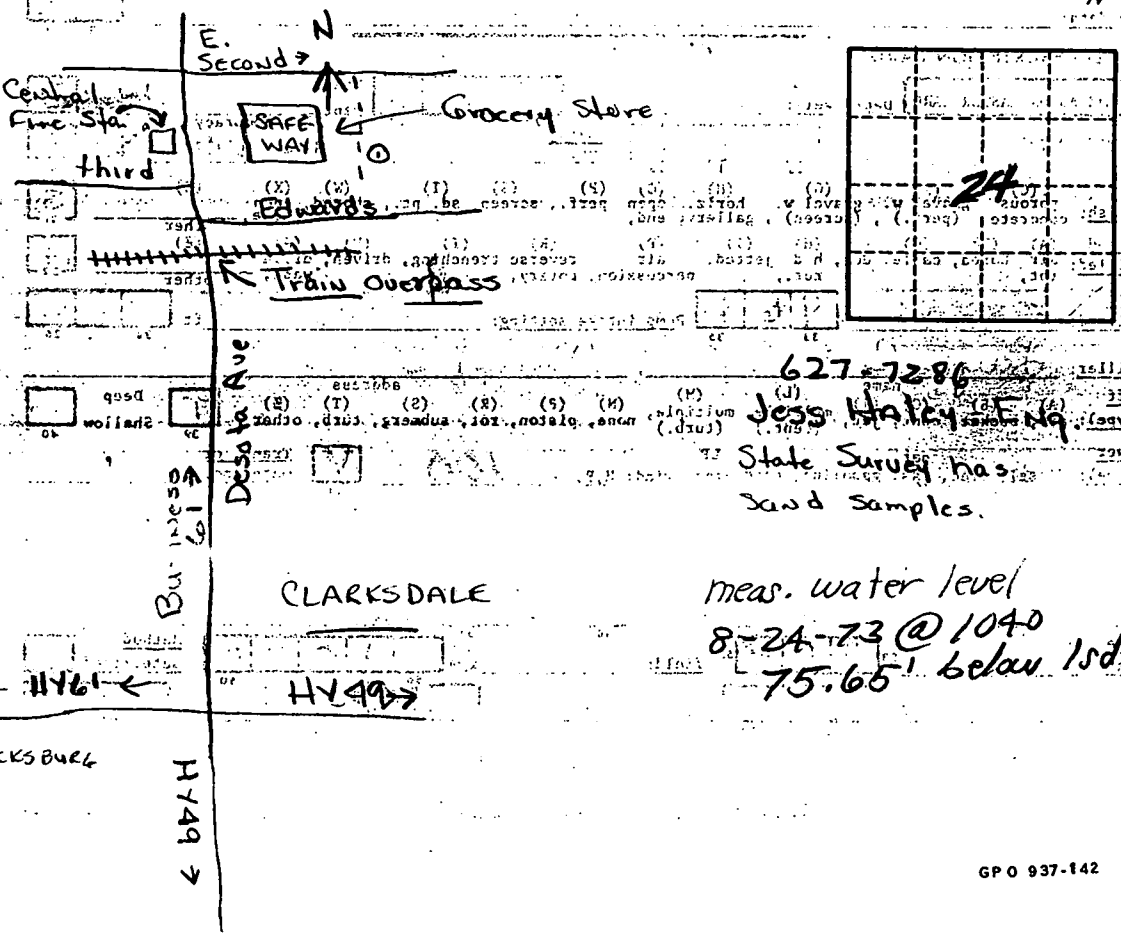
Coefficient Trans: _____

Coefficient Storage: _____

Coefficient Perm: _____

gpd/ft²; Spec cap: _____

gpm/ft; Number of geologic cards: _____



GW 4978
NW/NW, Sec. 24 Elev. 177
T 27N, R 4W

ELOG # 11

COAHOMA
J 59
5-8-69

MISSISSIPPI
BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201

CODED

WATER WELL DRILLERS LOG

May 8 1969 date well completed
Layne-Central Co. firm name
Coahoma county well located

LANDOWNER:
City of Clarksdale
Clarksdale, Miss.
(mailing address)

WELL LOCATION:
sec. 24 T. 27 N R. 4 W
miles (distance) of (direction) (nearest town)

WELL PURPOSE: municipal
(home, irrigation, municipal, industrial)

WELL COMPLETION DATA:

description of formations encountered	from	to
clay	0	56
sand	56	111
rock	111	114
sand + gravel	114	149
clay	149	200
sandy clay	200	275
sand	275	356
clay + sand sto	356	415
hard clay	415	530
soapstone	530	618
sand	618	714
clay + sand sto.	714	775

- (1) diameter (inches) 18"
- (2) total depth (feet) 718'
- (3) static water level (feet) 63' below top of ground.
- (4) casing steel 647'
(material) (depth)
18" if telescope see back.
(size)
- (5) screen 60' 652'
(length) (depth to top)
12" S.S. Shutter
(size) (material)
- (6) pump 100 1,000
(HP) (yield gpm)
electric
(type power)
- (7) electric log yes or no
(organization running log)
- (8) how well bottom plugged

CODED

MAY 13 1971

MISS. BD. OF
WATER COMMISSIONERS

DRILLERS REMARKS:

RECEIVED

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

JUN 29 1998

06-29-98A09:50 R.C.V.D.

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. Box 1200, Jackson, MS 39289-0631; (601) 961-5202

This box is for office use only.

FORM OLWR-AP-2 (REV. 9/94)

Table with 4 columns: Issued, Expires, Fee Paid, Permit No., Lat, Long, Elev, USGS No., Quad, ASCS Farm No., STAC, MSDOH No., Aquifer, Tract No., Basin No., Remarks, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT (RENEWAL) PERMIT NO. GW-04978

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

(Name) P.O. Box 940 (Address) Clarksdale MS 38614 (City) (State & Zip) (Telephone No.)

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

Clarksdale Public Utilities (Name) P.O. Box 70 (Address) Clarksdale MS 38614 (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 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. GW-04976 & GW-04977

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: 712 foot aquifer MISSISSIPPI DEPARTMENT OF HEALTH NO.: 0140002-07

2. Proposed work will begin on 19 and will be completed by 19 If well has already been drilled, when was well completed (date)? 05-08 19 69 Under whose name was well originally drilled (if known)? City of Clarksdale

3. Description of proposed or completed well: (a) DEPTH OF WELL: 776 feet. DRILLER: Layne Central (b) SURFACE CASING: Length 647 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) acre-feet 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)

MAP SENT

48

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
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 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 25th day of June 1999 at Clarksdale County of Coahoma
My commission expires _____ MISSISSIPPI STATEWIDE NOTARY PUBLIC MY COMMISSION EXPIRES DEC. 29, 2000
Patricia G. Branch Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart / Everett DATE: 10/21/98
UNIT DEQ #: _____ FILE #: A102123B
HEALTH DEPT. #: 140002-07 ELEV. 170'
USGS #: J-059 OLWR #: MS-GW-04978
OWNER: City of Clarksdale #11
LOCATION: NW NE NW S24 T27N R4W COUNTY: Coahoma
LOCATION DESCRIPTION: NE Area of City on Fairland Ave Place
In median of Blvd. 1 block E of De Soto
CASING DIA: 18" PUMP TYPE & SIZE: Turbine
GPS FIELD LOCATION: LAT. 34.12.214' LONG. 90.34.019'
34.12.168 90.33.983
GPS CORRECTED LOCATION: LAT. 34.20328835 LONG. 90.56698195
34.203286 N 90.566809 W
REMARKS: Clarksdale Quad



Clarksdale Public Utilities
 1. GW-04978 MSHD 0140002-07
 Deep Well #11



*GW
 4978
 Renew*

RECEIVED

JUN 29 1998

Dept. of Environmental Quality
 Office of Land & Water Resources

DES	CON	REV	DATE		FILE NO
DES	REV	REV	REV		16800-10000-0101
DES	REV	REV	REV		0101-E-01

