

GW 4981
DOH # 140002-10

Clarksdale
TRANSMITTED FOR ADP J 119
J 112 b

PdA 6/8/9 10/82

6/78 WTO

Recorded by WTJ
Date 3/16/82

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT
WELL RECORD

Well No. J 112 b
E-Log No. 35
County Oakoma

GEN. SITE DATA

Site ID 3,4,1,1,3,6,0,9,0,3,4,4,5,0,2 R=0* T=A* 2-W* CLARKSDALE 878

Data reliab. 3-X*U Report. agency 4-USGS* Dist. 506 6-28* 7-28* Co. 8=0,2,7*

Lat. 9=3,4,1,1,3,6* 10=0,9,0,3,4,4,5* Well No. 12=J,1,1,2*

Long. 13=SE SW s 23 T 27 N R 0 4 W* Alt. 16=1,7,0* 172

Location

Hyd. Unit (OWDC) 20= Date 21=0,3,1,2,0,1,1,9,8,2*

Well use 23=W* Water Use 24=P* Hole depth 27=1,5,0,0.* Well depth 28=7,4,0.*

WL 30=5,9.* Date 31=0,3,1,2,0,1,1,9,8,2* Source 33=D*

Status 273= Project No. 5=S,P,R,T.*

#1615
School

OWNER

R=158* T=A* Date 159#0,6,1,0,3,1,1,9,8,2* Owner No. School

Owner 161# CLARKSDALE

FIELD QW

R=192* T=A* Date 193# Temp. 196#00010* 197=

R=192* T=A* Date 193# Cond. 196#00095* 197=

R=192* T=A* Date 193# pH 196#00400* 197=

CONSTR.

R=58* T=A* 59#1* Date 60=0,6,1,0,3,1,1,9,8,2* Remarks

Drlg. 63=0,6,4* Name Layne Method 65=H* Finish 66=5*

CASING

R=76* T=A* 59#1* Top csng. 77# 0.* Bot. csng. 78=6,3,6.* Diam. 79# 1,6.*

R=76* T=A* 59#1* Top csng. 77# 5,7,0.* Bot. csng. 78=6,3,6.* Diam. 79# 1,0.*

OPENINGS

R=82* T=A* 59#1* Top 83# 6,3,6.* Bottom 84=7,4,0.*

Type 85=S* Diam. 87=1,0.* Size 88=

R=82* T=A* 59#1* Top 83# Bottom 84=

Type 85= Diam. 87= Size 88=

0 150=1,0,0,0.* Q/S 272=

LIFT

R=42* T= A * Lift type 43# T* Intake 44= * Power type 45= E*

Date 38= 0.6/0.3/19.8.2* H.P. 46= 1.0.0.*

LOGS

R=198* T= A * Log 199# D* Top 200= 0.* Bot 201= 150.0.*

R=198* T= A * Log 199# E* Top 200= 25.* Bot 201= 148.5.*

R=189* T= A * E Log No. 190# 0.35* 191= M I S S D I S T *

ANAL.

R=114* T= A * Year 115# * Type 120= *

AQUIFERS

R=90* T= A * 256# 1 * Top 91= 61.5.* Bot 92= 7.50.*

Unit ID 93= 124 SPRT * Name of Unit

R=90* T= A * 256# 1 * Top 91= * Bot 92= *

Unit ID 93= * Name of Unit

HYDRAULICS

R=98* T= A * 99# 1 * Unit tested 100= * 103= *

R=105* T= A * 99# 1 * Test No. 106# *

107= * Transmissivity (gal/d)/ft

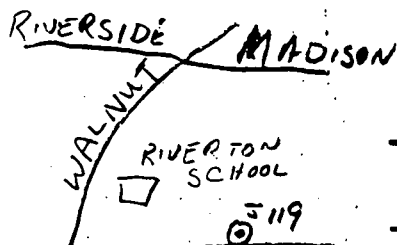
108= * Hydraul. cond. (gal/d)/ft²

110= * Storage coeff. Boundaries

R=121* T= * Yr Begin 122# * Network 258= *

Water Level Data Collection (1)

PH=7.8
 Fe=.6
 H=64
 Chlor=60
 CL=103
 test 750'



clay	0	29
sand	29	64
c.sand	64	97
c.sand & pea gravel	97	153
clay	153	157
sand	157	263
sand & stk.of clay	263	284
sand	284	342
clay	342	347
sand	347	384
sand & stk.of lignite	384	497
sandy clay	497	596
sand & stk.of shale	596	622
sand	622	756
clay	756	770
st.of sandy shale	770	831
rock	831	832
stk.of sandy shale	832	847
rock	847	849
stk.of sandy shale	849	996
rock	996	997
stk.of sand w/clay	997	1048
clay & sand stk.	1048	1080
clay & sandy stk.	1080	1203
sand	1203	1288
clay	1288	1350
clay w/stk.of sand	1350	1392
clay	1392	1500

CHOCTAW

COAHOMA
 0-119
 CL-2067 JH2
 6-3-82
 Log # 35

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
 Bureau of Land and Water Resources
 Southport Mall
 P.O. Box 10631
 Jackson, Mississippi 39201
 WATER WELL DRILLERS LOG

CODED

6-3 1982 LAYNE CENTRAL CO. COAHOMA
 date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
CITY OF CLARKSDALE CLARKSDALE, MS Riverton Area (mailing address)			
WELL LOCATION: sec. 23 T. 27 N R. 4 E S W Clarksdale (distance) miles (direction) of (nearest town)	sand	29	64
	c. sand	64	97
WELL PURPOSE: (home, irrigation, municipal, industrial)	c. sand & pea gravel	97	153
	clay	153	157
WELL COMPLETION DATA: (1) diameter (inches) 21"	sand	157	263
	sand & stk. of clay	263	284
(2) total depth (feet) 744'	sand	284	342
(3) static water level (feet) 62' below above top of ground.	clay	342	347
(4) casing steel 636' (material) (depth)	sand	347	384
16" (size) if telescope see back.	sand & stk. of lignite	384	497
(5) screen 104' 636' (length) (depth to top)	sandy clay	497	596
10" (size) st. steel (material)	sand & stk. of shale	596	622
(6) pump 100 (HP) 1000 (yield gpm)	sand	622	756
electric (type power)	clay	756	770
(7) electric log Yes (yes or no)	st. of sandy shale	770	831
Layne (organization running log)	rock	831	832
(8) how well bottom plugged BP VALVE	stk. of sandy rock	832	842
	rock	842	849
	stk. of sandy shale	849	996
	rock	996	997
	stk. of sand w/clay	997	1048
	clay & sand stk.	1048	1080
	clay & sandy stk.	1080	1203
	sand	1203	1288
	clay	1288	1350
	clay w/stk. of sand	1350	1392
	clay	1392	1500
DRILLERS REMARKS:			

DEPT. OF NATURAL RESOURCES
 BUREAU OF LAND & WATER RESOURCES

JUN 24 1982

RECEIVED

DATA SHEET-VERIFICATION CHECKLIST

COUNTY COAHOMA

CLARKSDALE QUAD

WELL OWNER CLARKSDALE (at school) well # 15 CHECKED

U.S.G.S. NO. J-119 JAN

B.O.H. NO 140002-10 JAN

OLWR NO. _____

LOCATION:

MAP NE, NE, SE, SW S 23, T 27N, R 4W JAN

GPS _____

ELEV. (MSL) 172' JAN

W.L. (L.S.) (1) - 56.4' 6-28-95 JAN

(2) - 56.4' " JAN

HEAD (MSL) + 115.6' JAN

SCREENED INTERVAL 636' - 740' (LS) - 464' - - 568' (MSL) JAN

AQUIFER VERIFIED SPARTA JAN

PREVIOUS W.L. - 58' (3/20/82) JAN

DATA ENTERED _____

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart/Everett DATE: 10/21/98

UNIT DEQ #: _____ FILE #: A102122A

HEALTH DEPT. #: 142002-10 ELEV. 169'

USGS #: 5-119 OLWR #: MS-GW-04981

OWNER: Clarksdale

LOCATION: WSE SW S 23 T 27N R 4W COUNTY: Coahoma

LOCATION DESCRIPTION: IN Field west of Riverton Jr.

CASING DIA: 10" PUMP TYPE & SIZE: turbine
*High sch - north side of Hwy 61 -
West of Washington St*

GPS FIELD LOCATION: LAT. 34° 11.499' LONG. 90° 34.996'

GPS CORRECTED LOCATION: LAT. 34.191825 N LONG. 90.582855 W

REMARKS: Clarksdale Quad

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 RCVD
DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. Box 1631 Jackson, MS 39289-0631; (601) 961-5202
Office of Land & Water Resources 9-8-98 AGN

This box is for office use only.

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

Issued: 8-9-88	Expires: 9-8-2008	Fee Paid: X	Permit No.
Lat. 34-11-32	Long. 90-34-59	Elev. 170	USGS No.
Quad. Clarksdale	ASCS Farm No.	STAC. Oe	MSDOH No.
Aquifer: SPRJ	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): ~~NEW PERMIT~~ **RENEWAL** - PERMIT NO. GW-04981

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: Stand-by

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 601 621 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 8403
(City) (State & Zip) (Telephone)

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

SE 1/4 of the SW 1/4 of Section 23, 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.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: 740 foot aquifer MISSISSIPPI DEPARTMENT OF HEALTH NO.: 0140002-10

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? 06-03, 1982. Under whose name was well originally drilled (if known)? City of Clarksdale

3. Description of proposed or completed well:

- (a) DEPTH OF WELL: 744 Feet. DRILLER: Layne Central
- (b) SURFACE CASING: Length 636 feet; Diameter 18 inches; Type steel, grouted in plac
- (c) SCREEN: Length 104 feet; Diameter 10 inches; Type stainless steel shutter
- (d) PUMP: Type RKBH; Size 12; Capacity 1000 gallons per minute; Setting depth 150 feet
- (e) POWER UNIT: Type U.S. (electric); Size 100 horsepower

4. PERMITTED VOLUME :

- (a) _____ gallons per minute
- (b) 0.0 million gallons per day at a maximum rate of 1000 gallons per minute

(CONTINUED ON BACK)

48
change to S/P
1000

SECTION C (to be completed for SURFACE WATER SOURCE)

REGISTRATION

- Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
- 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)

- Name of storage reservoir: _____ Dam Height: _____ feet
- 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)

- 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. _____

- 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? $\frac{4.56\text{MGD}}{\text{(Volume)}}$ $\frac{2003}{\text{(Year)}}$; $\frac{4.56\text{MGD}}{\text{(Volume)}}$ $\frac{2008}{\text{(Year)}}$; $\frac{4.56\text{MGD}}{\text{(Volume)}}$ $\frac{2013}{\text{(Year)}}$; $\frac{4.56\text{MGD}}{\text{(Volume)}}$ $\frac{2018}{\text{(Year)}}$

- 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? _____

- RECREATION: Explain how water will be used: _____

- OTHER USE: Explain in detail (if needed, attach another page): _____

- REMARKS: Stand-by

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)

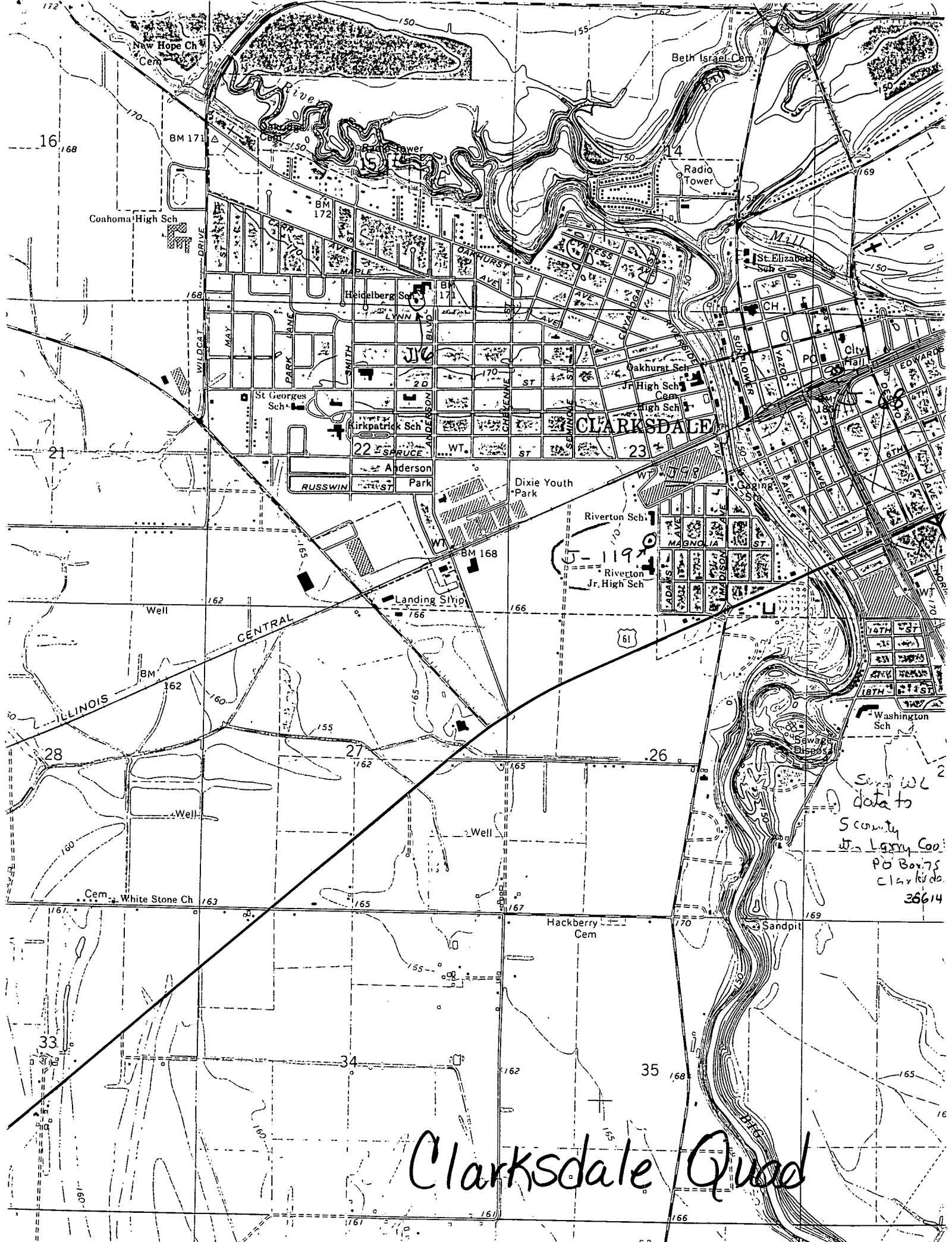
(Telephone)

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, 1998, at Clarksdale County of Coahoma

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



Clarksdale Quad

Send W.C.
data to
S county
Mr. Larry Co.
PO Box 75
Clarksdale
38614