

SITE ID # 301929089212501

GW07348

023000 k-02

FORM 9-1642 (1-68)

Well No. K5

392 ckd

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by PE.G Source of data Charles E. Davis Date 6-24-64 Map Bay St. Louis

State LA County Harrison (or town) Bay St. Louis Sequential number: 23

Latitude: 30 deg 19 min 27 sec N Longitude: 089 deg 21 min 27 sec W

Local well number: K005 Other number: 4408E14W

Local use: 088 Owner or name: City of Bay St. Louis

Owner or name: BAY ST LOUIS Address: Industrial Well

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist 19

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Inscit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other unused

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. Standby use

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

Hyd. lab. data:

Qual. water data; type:

Freq. sampling:  Pumpage inventory:  no. period:

Aperture cards:

Log data: MOCN

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1197 ft Meas. rept. accuracy 3

Depth cased: 1137 ft Casing type: 6 Diam. 18 in

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, other 5

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

Date Drilled: 961 Pump intake setting: 36 ft

Driller: E.T. SWITZER

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 T Deep 40 Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 15 Trans. or meter no. 15

Descr. MP 10' ft above LSD, Alt. MP 20

Alt. LSD: 20 Accuracy: CIT

Water Level: 19 ft above MP; 19 ft below LSD Accuracy: 4

Date meas: 875 Yield: 270 gpm Method determined 4

Drawdown: 31 ft Accuracy: 2 hrs

QUALITY OF WATER DATA: Iron 540 ppm Sulfate 4 ppm Chloride 320 ppm Hard. 875 ppm

Sp. Conduct 540 K x 10<sup>6</sup> Temp. 32.0 °F Date sampled 875

Taste, color, etc. pH = 8.4

10/14/82  
WL = 22' above LSD  
Cond = 560  
PH = 8.6  
11/12/85  
WL = 18' above LSD  
Lead from gage on well

RECORDED AND VERIFIED  
Well No. K5

Well No. K5

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

**HYDROGEOLOGIC CARD**

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

D Drainage Basin: \_\_\_\_\_ 135 Subbasin: \_\_\_\_\_

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) offshore, pediment, hillside, terrace, undulating, valley flat, (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) \_\_\_\_\_

MAJOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series TM \_\_\_\_\_ aquifer, formation, group MZ \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ 3 Aquifer Thickness: \_\_\_\_\_ ft

100 Length of well open to: \_\_\_\_\_ ft 60 Depth to top of: 1128 ft 20 A12

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: \_\_\_\_\_

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

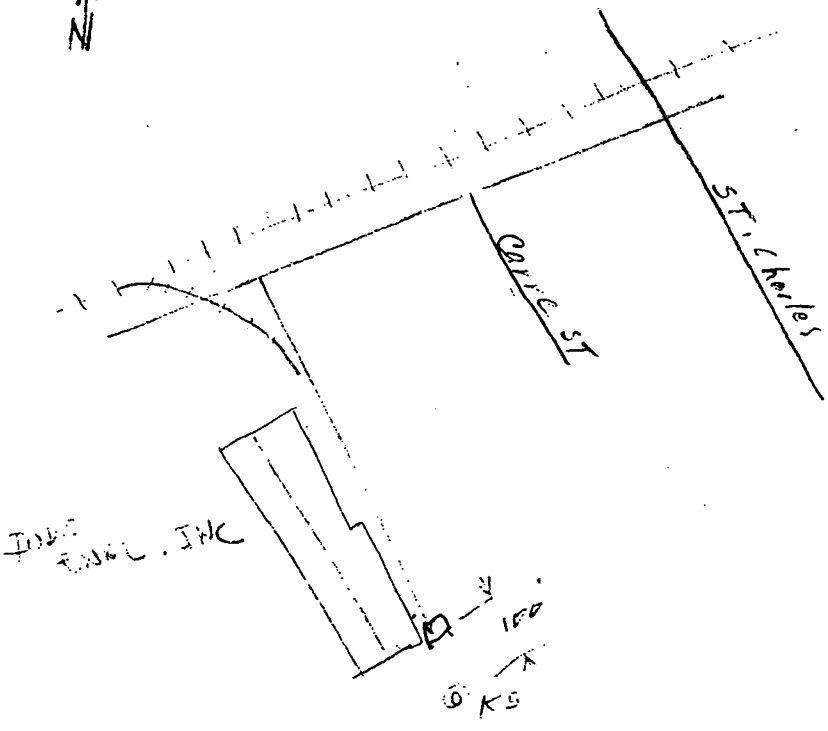
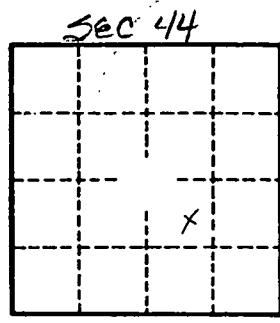
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

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

Coefficient Trans: 100,000 gpd/ft 104 Coefficient Storage: \_\_\_\_\_

Coefficient Perm: 1000 gpd/ft<sup>2</sup>; Spec cap: 17 gpm/ft; Number of geologic cards: \_\_\_\_\_

+ 17.9" 1962  
+ 13 1964



12/4/86  
WELL USED TO  
SUPPLY ALCAN  
MANUFACTURING PROCESS  
CANNOT BE SHUT OFF  
PUMPED YIELD = 250 gpm/ml

HANCOCK

MISSISSIPPI BOARD OF WATER COMMISSIONERS

K5

1-29-62

01348

WATER WELL DRILLERS LOG

**CODED**  
K-320

Date: Jan 29, 1962 Driller: C. T. SWITZER WELL CO. County: Hancock

(1) Owner of Land:		Description & Color of Materials	Thick-ness Feet	Depth Feet
<u>City of Bay St Louis</u>		<u>Clay</u>	<u>00</u>	<u>03</u>
<u>Central Ave Bay St Louis, Miss.</u>		<u>Sand, occasional logs</u>	<u>03</u>	<u>74</u>
(2) Location: $\frac{1}{4}$ , $\frac{1}{4}$ , Sec. <u>44 T8R14</u>		<u>Clay</u>	<u>74</u>	<u>85</u>
<u>miles</u> of <u>_____</u> (Nearest Town)		<u>Clay sand streaks</u>	<u>85</u>	<u>108</u>
(3) Topography: <u>X</u> (Hilly) (Flat) (Level)		<u>Coarse sand &amp; iron gravel</u>	<u>108</u>	<u>207</u>
(4) Purpose of Well: <u>Municipal (Ind.)</u>		<u>Clay</u>	<u>207</u>	<u>303</u>
Information upon completion of well:		<u>Clay with sand streaks</u>	<u>303</u>	<u>324</u>
(1) Diameter: <u>10" x 6"</u> inches.		<u>Clay</u>	<u>324</u>	<u>347</u>
(2) Total Depth: <u>1197</u> feet.		<u>Clay with sand streaks</u>	<u>347</u>	<u>413</u>
(3) Water Level: <u>17.09+</u> feet below top of ground.		<u>Clay</u>	<u>413</u>	<u>544</u>
(4) Cased to <u>1197'</u> , Size <u>10" x 6"</u>		<u>Clay with sand streaks</u>	<u>544</u>	<u>610</u>
(5) Screen: Size <u>6"</u> , Length <u>60'</u>		<u>Clay</u>	<u>610</u>	<u>767</u>
(6) Were any formations sealed against pollution? <u>X</u> yes, _____ no.		<u>Sand</u>	<u>767</u>	<u>808</u>
If YES depth of formation _____		<u>Clay</u>	<u>808</u>	<u>853</u>
Why: <u>Health Dept. Requirement</u>		<u>Sand</u>	<u>853</u>	<u>863</u>
Drillers Remarks: _____		<u>Clay</u>	<u>863</u>	<u>939</u>
		<u>Sand and clay streaks</u>	<u>939</u>	<u>961</u>
		<u>Sand</u>	<u>961</u>	<u>975</u>
		<u>Clay</u>	<u>975</u>	<u>983</u>
		<u>Clay with sand streaks</u>	<u>983</u>	<u>1006</u>
		<u>Sand, fine</u>	<u>1006</u>	<u>1035</u>
		<u>Clay</u>	<u>1035</u>	<u>1128</u>
		<u>Sand</u>	<u>1128</u>	<u>1179</u>
		<u>Clay</u>	<u>1179</u>	<u>1182</u>
		<u>Sand</u>	<u>1182</u>	<u>1204</u>

(Use Back Side)

Well No.

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson. Mi.

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

**RENEWED**

**DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202**

1-12-98

This box is for office use only.

FORM OLR 8-82 (REV. 9/94) Office of Land & Water Resources

Issued:	Expires:	Fee Paid:	Permit No. <u>Office of Land &amp; Water Resources</u>
Lat.	Long.	Elev.	USGS No. <u>K5</u>
Quad. <u>BAY ST. LOUIS</u>	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. 007348

**THIS APPLICATION IS FOR (Circle one):** GROUNDWATER COMPLETE A,B,E **THIS WELL IS NO LONGER IN USE.**  
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 BAY ST. LOUIS  
(Name) \_\_\_\_\_ (SSN or Tax ID No.) \_\_\_\_\_

(Address) \_\_\_\_\_

(City) \_\_\_\_\_ (State & Zip) \_\_\_\_\_ (Telephone No.) \_\_\_\_\_

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

(Name) \_\_\_\_\_ (SSN or Tax ID No.) \_\_\_\_\_

(Address) \_\_\_\_\_

(City) \_\_\_\_\_ (State & Zip) \_\_\_\_\_ (Telephone) \_\_\_\_\_

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

\_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, Township 8S, Range 14W, County HANCOCK

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:** \_\_\_\_\_ **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** \_\_\_\_\_

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

If well has already been drilled, when was well completed (date)? 1-29, 1962. Under whose name was well originally drilled (if known)? CITY OF BAY ST. LOUIS

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 1197 feet. DRILLER: C.T. SWITZER WELL CO.

(b) SURFACE CASING: Length 1197 feet; Diameter 10 inches; Type \_\_\_\_\_

(c) SCREEN: Length 60 feet; Diameter 6 inches; Type \_\_\_\_\_

(d) PUMP: Type \_\_\_\_\_; Size \_\_\_\_\_; Capacity \_\_\_\_\_ gallons per minute; Setting depth \_\_\_\_\_ feet

(e) POWER UNIT: Type \_\_\_\_\_; Size \_\_\_\_\_ horsepower

4. **PERMITTED VOLUME :**

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

(b) 0 million gallons per day at a maximum rate of \_\_\_\_\_ gallons per minute

**(CONTINUED ON BACK)** 250

**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. Discription 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 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**  
Chose "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?  
(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.

\_\_\_\_\_  
(Name)  
\_\_\_\_\_  
(Address)  
\_\_\_\_\_  
(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.

\_\_\_\_\_  
(Signature)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at \_\_\_\_\_ County of \_\_\_\_\_

My commission expires \_\_\_\_\_; \_\_\_\_\_ Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart / Everett DATE: 1/28/98

UNIT DEQ #: \_\_\_\_\_ FILE #: A012820A

HEALTH DEPT. #: 230001-02 ELEV. 20

USGS #: K5 OLWR #: GW07348

OWNER: Bay St Louis

LOCATION: SE Irreg S. 44 T. 8S R. 14W COUNTY: Hancock

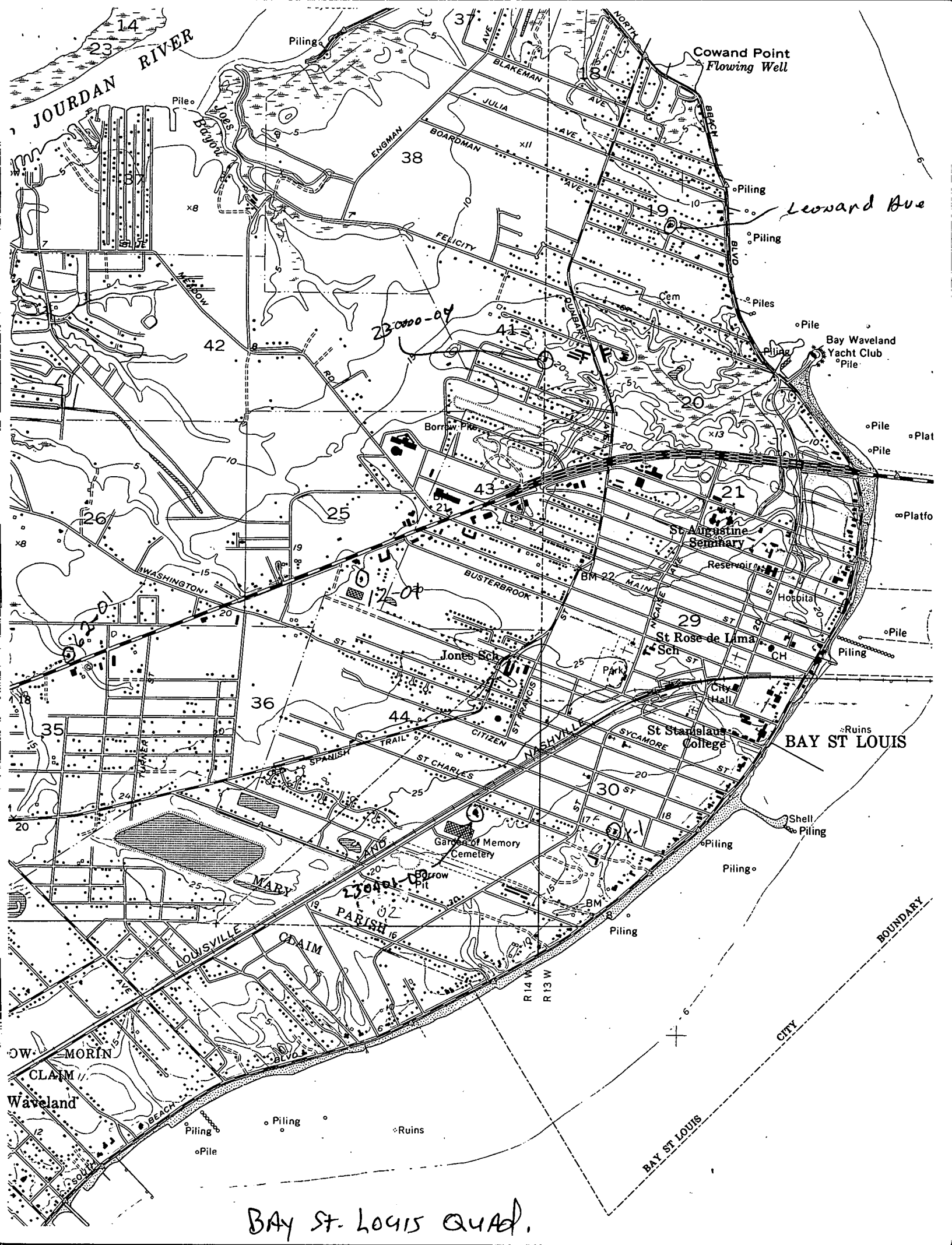
LOCATION DESCRIPTION: Central Ave. between Chanally  
& Ballard

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: \_\_\_\_\_

GPS FIELD LOCATION: LAT. 30° 18.105' LONG. 89° 20.825'

GPS CORRECTED LOCATION: LAT. 30.301165 LONG. 89.347066

REMARKS: Bay St Louis Quad  
well no longer there



JOURDAN RIVER

Cowand Point  
Flowing Well

*Leonard Ave*

*23-0000-04*

*17-04*

*23041-02*

BAY ST LOUIS

BOUNDARY  
CITY  
BAY ST LOUIS

*BAY ST. LOUIS QUAD.*