

MISCELLANEOUS OW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / .	Aquifer Sampled 195# .	Temp 196#00010	Value 197# .
R=192	T=A	738#2	Date of Measurement 1934 / / .	Aquifer Sampled 195# .	Sp Cond 196#00095	Value 197# .
R=192	T=A	738#3	Date of Measurement 1934 / / .	Aquifer Sampled 195# .	pH 196#00400	Value 197# .

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Loc Type 199#E	Eq. Depth 200# 105 .	End Depth 201# 216 .
R=198	T=A	739#1	Loc Type 199#D	Eq. Depth 200# 0 .	End Depth 201# 116 .

MISCELLANEOUS NETWORK DATA $T_{06} = Q_w WL WD *$

R=114	T=A	730#1	Sec. Year 115# 4 .	End Year 116# 4 .	Agency Source 120=A 117# .	Freq. 118# .
R=121	T=A	730#2	Sec. Year 115# 4 .	End Year 116# 4 .	Agency Source 117# .	Freq. 118# .

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# / / .	Remarks 185# .
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 11 / 08 / 1991 .	Type 703=B F	Discharge 150# 116 0 .	So. Capacity 272# 115 .
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# 09 9 .	Depth Bot. 92# 17 5 .	Unit Id 93# 22 PICIGL .	304=#
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# .	103# .
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Faith St. well

4' dd @ 900 gpm

21' dd @ 200 gpm (24 hrs.)

Color = 30

TD5 = 368

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (CORRECT)	FROM	TO
Top Soil	0	3	Sand	1091	1176
Sand + Gravel	3	158	Clay	1176	1216
Clay	158	255			
Sandy Clay	255	439			
Sand	439	480			
Sand + Clay	480	542			
Sand	542	570			
Clay	570	594			
Sand + Clay strata	594	729			
Clay	729	977			
Sand + Shale	977	1091			

IF MORE SPACE IS NEEDED, USE BACK

COUNTY WELL LOCATED
HANCOCK

WELL NUMBER: **4 K469** CODE:

DATE WELL COMPLETED
11/08/91

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Bureau of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

PERMIT NUMBER **14617**

NAME OF DRILLING FIRM
**Layne-Central Co., A Div. of
Layne-Western Co.**

NAME & MAILING ADDRESS OF LANDOWNER
**City of Waveland, MS
P.O. Box 320
Waveland, MS 39576**

WELL LOCATION: SEC **35** TOWNSHIP **8 S** RANGE **14 W**

DISTANCE _____ DIRECTION _____ NEAREST TOWN _____
Miles _____ of _____

OTHER LANDMARK
Faith St. Well

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.
Municipal

PUMP DATA

PUMP TYPE (Circle One):
Submersible, Turbine, Jet, Flowing Well,
Other (Describe) _____

POWER TYPE (Circle One):
Electric, Tractor, Diesel, Gasoline, Butane,
Other (Describe) _____ H/P 60

Pump Capacity (GPM) **900** No. of Stages **3** Setting Depth **95** FT.

PUMP TEST
Well yielded **900** GPM with
a drawdown of **21** ft.
after **24** hours of pumping

WELL DATA

Well Depth 1165'	Casing Diameter (In.) 16"	Casing Length (Ft.) 1114
Type of Casing steel	Hole Depth 1216'	Depth to Static Water Level + 6'

TYPE OF COMPLETION: (Circle One or More):
Gravel Packed, Underreamed, Telescoped,
Natural Development, Open Hole, Other

(Describe) **62.4' of 10"**

Top of Lap Pipe or Reduction in Casing
FEET _____ IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

LOG DATA

TYPE OF LOG RUN (Circle One):
Electric, Gamma Ray, No Log Run,
Density, Sonic, Neutron,
Other (Describe) _____

Name of Organization Running Log
Layne-Central Co.

SCREEN DATA

Diameter - Inches 10"	Length - Feet 50	Slot Size - Inches 20
Screen Type 304 s/s wire wrap Rod Base	Depth to Bottom - Feet 1160	

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

Driller's Remarks
FEB 12 1993

Mississippi Department of Environmental Quality
Office of Land & Water Resources

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Top Soil	0	3	SAND	1091	1176
SAND + GRAVEL	3	158	Clay	1176	1216
Clay	158	255			
Sandy Clay	255	439			
SAND	439	480			
SAND + Clay	480	542			
SAND	542	570			
Clay	570	594			
SAND + Clay STRKS.	594	729			
Clays	729	977			
SAND + Shale	977	1091			

IF MORE SPACE IS NEEDED, USE BACK

K-469

RECEIVED

MAR 11 1993

FORM BLW-AP-1

(rev. 10/88)

The box below is for office use only. MOCN

Issued: <u>4-13-93</u>	Expires: <u>4-13-2003</u>	Fee Paid: <input checked="" type="checkbox"/>	Permit No. <u>GW14617</u>
Lat. <u>30-18-17</u>	Long. <u>89-22-13</u>	Elev. <u>16</u>	USGS No.
Quad. <u>BAY SAINT LOUIS</u>	Dist.		Basin No. <u>03170009</u>
STAC			Dam Inv. No.
			Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39289-0631

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

This application is for (circle one) GROUNDWATER SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby Fire Protection Flood Protection Other: _____

LANDOWNER:

CITY OF WAVELAND 64-6001207
 (Name) (S/S or Tax ID No.)
 301 Coleman Avenue
 (Address)
 Waveland MS 39576 (601) 467-9248
 (City) (State and Zip) (Telephone Number)

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

 (Name) (S/S or Tax ID No.)

 (Address)

 (City) (State and Zip) (Telephone Number)

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

1/4 of the 1/4 of Section 35, Township 8S, Range 14W, County Hancock

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):

- (a) N/A acre-feet per year at a maximum rate of _____ gallons per minute
- (b) .49 million gallons per day at a maximum rate of 900 gallons per minute
- (c) N/A acre feet of storage at normal pool
- (d) N/A per _____ at a maximum rate of _____

Construction of proposed work will begin on (date) Sept. 1, 1991 and will be completed by (date) April 6, 1992.

Water will be used from (month) January to (month) December each year.

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 numbers.

SECTION A (to be completed if application is for surface water source)

1. Source of water is from _____ which drains into _____ which drains into _____ which drains into _____
2. Description of pump/diversion works:
 - (a) Pump (size and type): _____ Power Unit (size and type): _____
 Lift: _____ feet Maximum capacity: _____ gallons per minute.
 - (b) Name of storage reservoir: _____ Dam height: _____ feet.
 Surface area at normal pool: _____ acres. Storage capacity at normal pool: _____ acre-feet.

(Continued on back)

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart/Everett DATE: 10/12/95

UNIT DEQ #: _____ FILE #: A101219C

HEALTH DEPT. #: 230002-04 ELEV. 22' 16'

USGS #: K469 OLWR #: GW14617

OWNER: Woodland QUAD: Bay St Louis

LOCATION: NENE S 35 T 55 R 14W COUNTY: Hancock

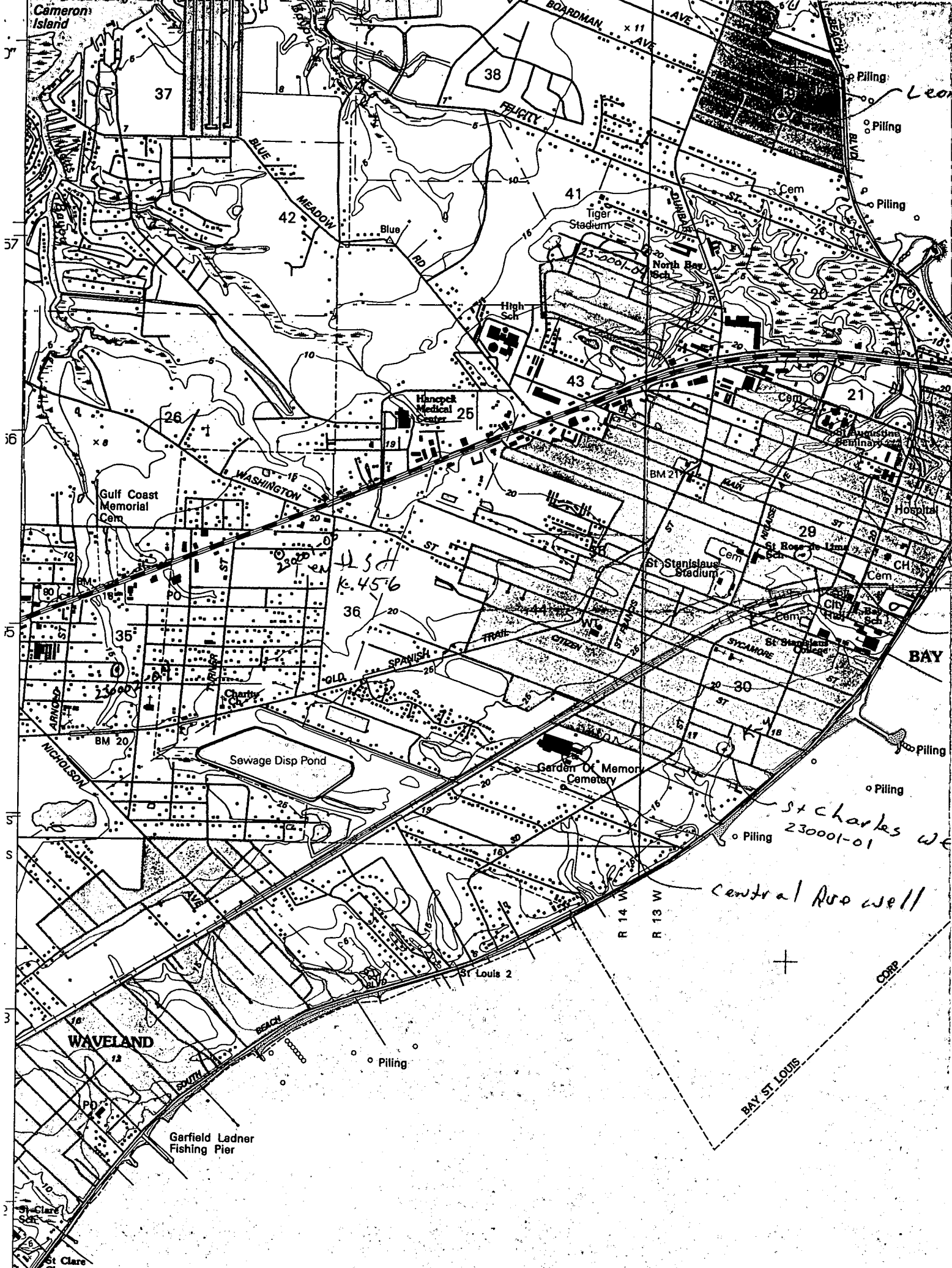
LOCATION DESCRIPTION: End of Fish Street

CASING DIA: _____ PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 20° 18.314' LONG. 89° 22.159'

GPS CORRECTED LOCATION: LAT. 30.30506823 LONG. 89.36977581

REMARKS: WL approx 3' above LS



Cameron Island

37

38

42

41

43

26

25

21

Gulf Coast Memorial Cem

35

36

29

NICHOLSON

Sewage Disp Pond

Garden of Memory Cemetery

BAY

St Charles W 23001-01

Central Ave well

WAVELAND

Garfield Ladner Fishing Pier

BAY ST LOUIS