

6W01164
0230016-01

1/81 WTO

Recorded by WTO

Date 7/10/85

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

Well No. J36
E-Log No. 115
County Hancock

Kiln Quad.

Site ID 302243089270101 R=0* T=A* 2=W*

GEN. SITE DATA

Data reliab. 3=U* Report. agency 4=USGS* Dist. 6=28* 7=28* Co. 8=045*

Lat. Long. 9=302243* 10=0892701* Well No. 12=J036*

Location 13=SWNE S01 T08 S R15 W* Alt. 16=21*

Hyd. Unit (OWDC) 20= Date 21=0610611985*

Well use 23=W* Water Use 24=N* Hole depth 27=1017* Well depth 28=855*

WL 30=-11.5* Date 31=0612811985* Source 33=D*

Status 273= Project No. 5=

OWNER

R=158* T=A* Date 159# 0612811985* Owner No. Well# 2

Owner 161# STENNIS IND AIR PK*

Hancock County Board of Supervisors PCGLU

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# 0612811985* Remarks

Drlg. 63# 064* Name Layne Central Method 65# H* Finish 66# S*

CASING

R=76* T=A* 59# 1* Top csng. 77# 0* Bot. csng. 78# 78.5* Diam. 79# 16*

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

OPENINGS

R=82* T=A* 59# 1* Top 83# 79.0* Bottom 84# 85.0*

Type 85# S* Diam. 87# 16* Size 88#

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

Type 85# Diam. 87# Size 88#

YIELD

R= 146* T=A* 147# 1* Q 150# 65.0* Q/S 272# 3.5*

134 flows 146 pumped

LIFT
 R=42* T= A * Lift type 43# T * Intake 44= * Power type 45= E *
 Date 38= 06/28/1985 * H.P. 46= 40 * *

LOGS
 R=198* T= A * Log 199# E * Top 200= 25 * Bot 201= 1014 *
 R=198* T= A * Log 199# D * Top 200= 0 * Bot 201= 1014 *
 R=189* T= A * E Log No. 190# 115 * 191= M I S S D I S T *

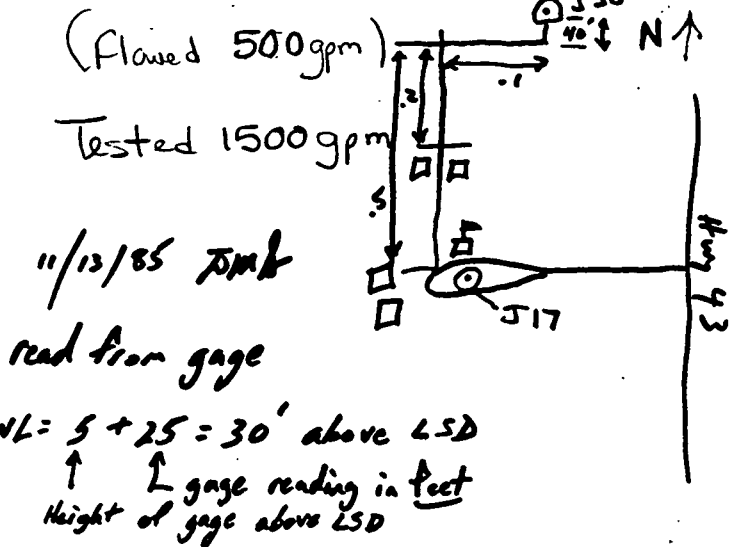
ANAL.
 R=114* T= A * Year 115# * 117= * 120= *

AQUIFERS
 R=90* T= A * 256# 1 * Top 91= 780 * Bot 92= 850 *
 Unit ID 93= 12 GRMF * Name of Unit PCGLU
 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)



Clay	0'	20'
Sand	20'	25'
Clay	25'	70'
Sand & Gravel	70'	119'
Clay	119'	150'
Sand	150'	180'
Clay	180'	230'
Sandy Clay	230'	255'
Clay	255'	610'
Sand	610'	655'
Clay	655'	716'
Sandy Clay	716'	756'
Hard Clay	756'	778'
Sand	778'	855'
Clay	855'	1014'

10/22/85
 WL = +12.7 (?)

I suspect WL reported at drilling was obtained by mistakenly reading psi rather than head graduation on dial.

Hancock
 J 36
 6-28-85

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
 Bureau of Land and Water Resources
 Southport Mall
 P.O. Box 10631
 Jackson, Mississippi 39209
CODED
 WATER WELL DRILLERS LOG

6/28 1985 date well completed
 Laune-Central firm name
 Hancock county well located

LANDOWNER: Dennis Industrial
 Air Park
 Waveland, Miss.
 (mailing address)

WELL LOCATION:
 sec. 1 T. 8 N. R. 15 E.
 (distance) miles (direction) of (nearest town)

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

WELL COMPLETION DATA:
 (1) diameter (inches) 16"
 (2) total depth (feet) 855'
 (3) static water level (feet) 1079' below top of ground.
 (4) casing Steel 785' (material) (depth)
16" (size) If telescope see back.
 (5) screen LW 61' (length) (depth to top)
10" St. Steel (size) (material)
 (6) pump (HP) (yield gpm)
 (type power)
 (7) electric log yes (yes or no)
Laune-Central (organization running log)
 (8) how well bottom plugged Back
pressure valve

description of formations encountered	from to	
	feet	feet
Clay	0'	20'
Sand	20'	25'
Clay	25'	70'
Sand & Gravel	70'	119'
Clay	119'	150'
Sand	150'	180'
Clay	180'	230'
Sandy Clay	230'	255'
Clay	255'	610'
Sand	610'	655'
Clay	655'	716'
Sandy Clay	716'	756'
Hard Clay	756'	778'
Sand	778'	855'
Clay	855'	1014'

RECEIVED
 JUL 19 1985
 Department of Natural Resources
 Bureau of Land & Water Resources

DRILLERS REMARKS:

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

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

This box is for office use only. 2-27-96 AGN. FORM OI.WR-AP-2 (REV. 9/94)

Issued: <u>2-11-86</u>	Expires: <u>2-11-2006</u>	Fee Paid: <input checked="" type="checkbox"/>	Permit No. <u>GW-1164</u>
Lat. <u>30 22 48</u>	Long. <u>89 26 55 W</u>	Elev. <u>24'</u>	USGS No.
Quad. <u>Kelm</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>UPGL</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. MS-GW-01164

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: Hancock County Board of Supervisors 64-0440746
(Name) (SSN or Tax ID No.)

P.O. Box 429
(Address)

Bay St. Louis, MS 39520 (601) 467-9231
(City) (State & Zip) (Telephone No.)

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

Hancock Co. Port & Harbor Commission 64-0440746
(Name) (SSN or Tax ID No.)

P.O. BOX 2267
(Address)

Bay St. Louis MS 39520 (601) 467-9231
(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
1/2 SW 1/4 of the NE 1/4 of Section 01, Township 08 S, Range 15W, 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: UPPER Miocene PASCAGOULA MISSISSIPPI DEPARTMENT OF HEALTH NO.: 230016

2. Proposed work will begin on Dec. 1985, 19____, and will be completed by Dec., 1985.
If well has already been drilled, when was well completed (date)? Dec., 1985. Under whose name was well originally drilled (if known)? Layne Central Company

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 855 feet. DRILLER: Layne Central Company
(b) SURFACE CASING: Length 785 feet; Diameter 16 inches; Type Sch 30 Blck Stl
(c) SCREEN: Length 60 feet; Diameter 10 inches; Type Stainless Steel
(d) PUMP: Type Vet. Tur., Size 8"; Capacity 650 gallons per minute; Setting depth 100 feet
(e) POWER UNIT: Type GE Hollow Shaft Elec Moto, size 40 horsepower

4. PERMITTED VOLUME:
(a) unknown acre-feet per year at a maximum rate of 750 gallons per minute
(b) .050 million gallons per day at a maximum rate of 750 650 gallons per minute

.05 Del (CONTINUED ON BACK) 650
1-23-96

RECEIVED
SEP 1 1995
DEPT. OF ENVIRONMENTAL QUALITY
OFFICE OF LAND & WATER RESOURCES
MAR SENT

SECTION C (to be completed for SURFACE WATER SOURCE) N/A

- 1. Source of water is from ... which drains into ...
2. Discription of pump/diversion works: Pump (size & type): ... Power Unit (size & type): ...
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 ...
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 200 or (b) The number of connections is 10
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. INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year 18mgd
Rate of release .050 gpd; NPDES Permit No. MS003120

Explain any changes in quality of water to be released: Discharge will be treated, via 2nd wastewater.

Explain how water will be used: N/A

How much groundwater will be used for once-through non-contact cooling? N/a

- 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.

Mr. Odie Ladner
(Name)
P.O. Box 2267
(Address) Bay St. Louis, Ms. 39520
(City, State, Zip)
601-467-9231
(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]
(Signature)

Subscribed and sworn to before me this 19th day of Sept., 1995, at Hancock County of Mississippi

My commission expires 11/8/97; Pawetta J. Fernandez Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart/ Everett DATE: 11/29/95

UNIT DEQ #: _____ FILE #: B112916A

HEALTH DEPT. #: 230016-01 ELEV. 21'

USGS #: J36 OLWR #: GW1164

OWNER: Stennis Int. Airport Ind. Park QUAD: Kilm

LOCATION: SE SWNE S 1 T 85 R 15W COUNTY: Hancock

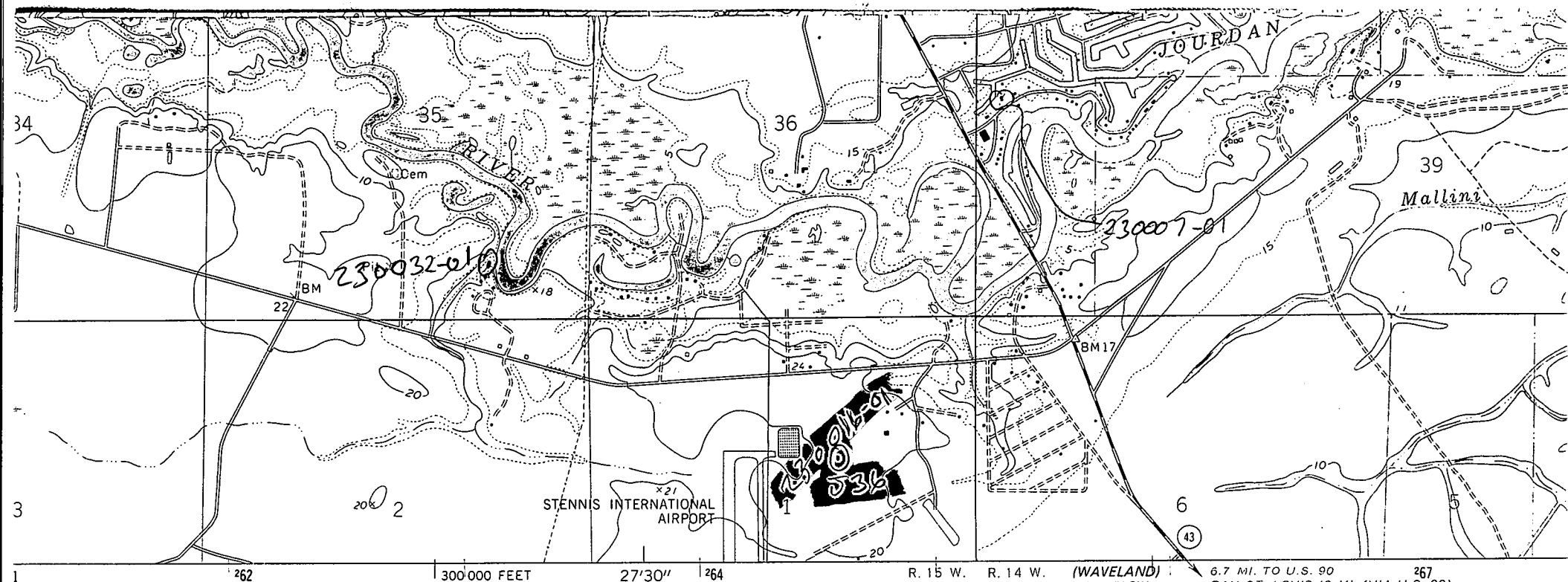
LOCATION DESCRIPTION: West of North end of runway

CASING DIA: _____ PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 30° 22.816' LONG. 89° 26.919'

GPS CORRECTED LOCATION: LAT. 30.38001457 LONG. 89.44833027

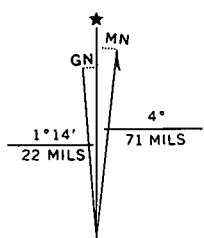
REMARKS: Flowing well



U.S. Geological Survey

Photogrammetric methods
 Aerial photographs taken 1954
 National datum
 Plane coordinate system, east zone
 Grid ticks, 10-foot intervals

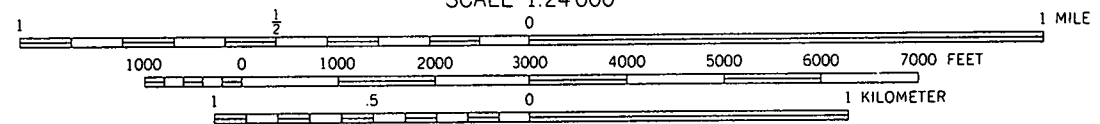
Aerial photographs
 Checked in the field



UTM GRID AND 1976 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

R. 15 W. R. 14 W. (WAVELAND) T. 267 N. 3144 IV SW
 6.7 MI. TO U.S. 90 BAY ST. LOUIS 10 MI. (VIA U.S. 90)

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
 DOTTED LINES REPRESENT 5-FOOT CONTOURS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST