

GW12541
0230005-02

FORM 9-1642
(1-68)

MAR 17 1974

Well No. _____

K 221

Log # 73 PUNCHED

U. S. DEPT. OF THE INTERIOR

WELL SCHEDULE

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD JCM

E-10g
Dr.

1:24 MAR 18 1974

Record by GTD Source of data Dr. Date 11-30-72 Map Waveland

State 28 County (or town) Hancock 23

JAN 14 1975

Latitude: 302205N Longitude: 0892230 Sequential number: 1

Lat-long accuracy: 10 T 8 S 14 Sec 10 SE NE NE

Local well number: K221DD1008S14W Other number: #2

Local use: 064073 Owner or name: _____

Owner or name: DIAMONDHEAD Address: _____

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

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

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

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

Hyd. lab. data: GRMFU

Qual. water data; type: C

Freq. sampling: Pumpage inventory: period:

Aperture cards:

Log data: E-logs 50 1270 D/E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 693 Meas. rept 3

Depth cased; (first perf.) 633 Casing type: Steel Diam. 18

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

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

Date Drilled: 11-30-72 972 Pump intake setting: _____ ft 30 38

Driller: SINGER LAYNE JACKSON MISS.

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 7 Deep Shallow

Power (type): (A) diesel, (B) gas, (C) gasoline, (D) hand, (E) gas, (F) wind, (G) H.P. 25 5 Trans. or meter no. _____

Descrip. MP 11 ft above below LSD, Alt. MP _____

Alt. LSD: 13 Accuracy: (source) topo

Water Level: _____ ft above below MP; Ft below LSD F Accuracy: _____

Date mea.: _____ Yield: _____ gpm 250 Method determined _____

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

QUALITY OF WATER DATA: Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm Hard. _____ ppm Sp. Conduct _____ K x 10 2 Temp. _____ °F 260 Date sampled _____ 674

Taste, color, etc. _____

Well No. _____

K 221

13H0118

HYDROGEOLOGIC CARD

SAVE AS ON MASTER CARD

Physiographic Province: 03 Section: _____

Drainage Basin: D Subbasin: 135

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

MAJOR AQUIFER: system _____ series TM aquifer, formation, group GRMFU MZ
Lithology: _____ Origin: _____ Thickness: 30 ft

Length of well open to: _____ ft Depth to top of: _____ ft 61.5

MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____
Lithology: _____ Origin: _____ Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: _____ ft

Intervals Screened: 10 S.S.

Depth to consolidated rock: _____ ft Source of data: _____

Depth to basement: _____ ft Source of data: _____

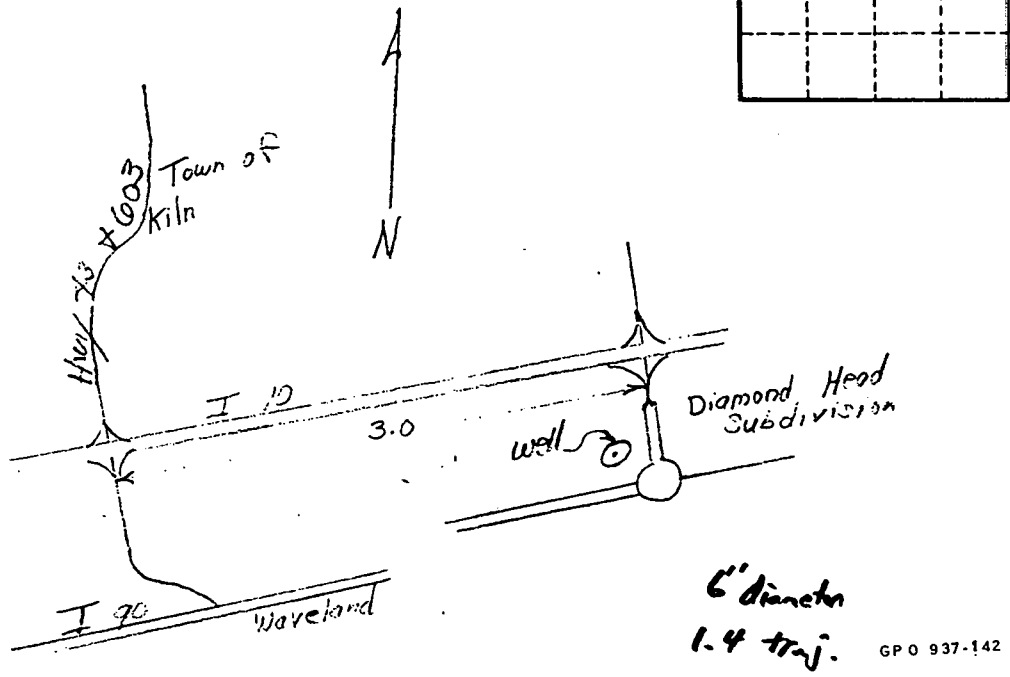
Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft Coefficient Storage: _____

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

10118182
 NL = 19' above LSSD
 T = 26.5°
 Cond: 360
 pH = 8.6

11/19/85
 3.3 psi/g + 4' = 11.6'



Well No. K 221

E109 #73

HANCOCK
K 221
1-18-73

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

CODED

WATER WELL DRILLERS LOG

1-18-73 date well completed 1973 *Singer Lumber Central Div* firm name Hancock county well located

LANDOWNER:	description of formations encountered	from	to
<i>Diamondhead Corp.</i>	<i>Sandy gravel streaks</i>	0	48
<i>Bay St. Louis, Miss</i> (mailing address)	<i>Clay</i>	48	68
WELL LOCATION: sec. 10 T. 8 S. R. 14 W.	<i>Sandy Clay</i>	68	119
(distance) miles (direction) of (nearest town)	<i>Clay</i>	119	140
WELL PURPOSE: <i>Domestic</i> (home, irrigation, municipal, industrial)	<i>Sandy Clay</i>	140	160
WELL COMPLETION DATA:	<i>Hard Clay</i>	160	188
(1) diameter (inches) <u>18"</u>	<i>Sandy Clay</i>	188	238
(2) total depth (feet) <u>705'</u>	<i>Hard Clay</i>	238	329
(3) static water level (feet) _____ below above top of ground.	<i>Sand</i>	329	353
(4) casing <u>Steel</u> <u>633'</u> (material) (depth)	<i>Clay</i>	353	374
<u>18"</u> if telescope see back. (size) + <u>66' 3" 10"</u>	<i>Sand</i>	374	381
(5) screen <u>60'</u> <u>639'</u> (length) (depth to top)	<i>Clay</i>	381	398
<u>10"</u> <u>Stainless Steel</u> (size) (material)	<i>Sand</i>	398	498
(6) pump <u>25</u> <u>250</u> (HP) (yield gpm)	<i>Hard Shale</i>	498	578
<u>Electric</u> (type power)	<i>Sand</i>	578	588
(7) electric log <u>yes</u> (yes or no)	<i>Hard Clay</i>	588	601
<u>Y.S.G.S.</u> (organization running log)	<i>Clay & Sand streaks</i>	601	615
(8) how well bottom plugged <u>Valve</u>	<i>Sand</i>	615	692
DRILLERS REMARKS:	<i>Clay & Sand streaks</i>	692	737
	<i>Hard Shale</i>	737	790
	<i>Sand</i>	790	839
	<i>Clay</i>	839	851
	<i>Sand</i>	851	856
	<i>Hard Clay</i>	856	919
	<i>Shale & Limestone streaks</i>	919	945
	<i>Hard Shale</i>	945	991
	<i>Sandy Clay</i>	991	1013
	<i>Sand</i>	1013	1037
	<i>Shale & Sand streaks</i>	1037	1060
	<i>Hard Shale, Limestone "</i>	1060	1146
	<i>Coarse Sand</i>	1146	1256
	<i>Shale</i>	1256	1260

CODED

JAN 18 1973

RECEIVED
MAR 16 2000

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

Department of Environmental Quality
Office of Land & Water Resources
FORM OLWR-AP-2 (REV. 9/94)

This box is for office use only.

4-25-2000 AGW.

Issued: 7-10-90	Expires: 4-25-2010	Fee Paid: 20.00	Permit No.
Lat. 302204	Long. 892231	Elev. 12	USGS No.
Quad. Waveland	ASCS Farm No.	STAC.	MSDOH No. 230005-02
Aquifer: GRMFU	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): RENEWAL - PERMIT NO. MS-6W-12541

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: Diamondhead Water & Sewer District
(Name) (SSN or Tax ID No.)
PO Box 6190
(Address)
Diamondhead MS 39525 (228) 255-5813
(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):
NE 1/4 of the NE 1/4 of Section 10, Township 08S, 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. 6W-12542, 1100 gal/min 6W-14652, 1000 gal/min

SECTION B (to be completed for GROUNDWATER SOURCE)

- AQUIFER: Miocene UPPER GRMFM MISSISSIPPI DEPARTMENT OF HEALTH NO.: 230005-02
- Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? 1-18, 1973. Under whose name was well originally drilled (if known)? _____
- Description of proposed or completed well:
 - DEPTH OF WELL: 695 feet. DRILLER: Layne-Central
 - SURFACE CASING: Length 635 feet; Diameter 18" inches; Type STEEL
 - SCREEN: Length 60 feet; Diameter 10" inches; Type SS
 - PUMP: Type turbine; Size _____; Capacity 350 gallons per minute; Setting depth _____ feet
 - POWER UNIT: Type electric motor; Size 25 horsepower
- PERMITTED VOLUME:
 - _____ acre-feet per year at a maximum rate of _____ gallons per minute
 - 0.150 0.20 million gallons per day at a maximum rate of 350 gallons per minute

(CONTINUED ON BACK) 350

map sent

6.15 M3 3/14/00

SECTION C (to be completed for SURFACE WATER SOURCE)

- 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 ...; 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 7060 or (b) The number of connections is 3362
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 ...
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.

Doug McGraw
(Name)
PO Box 6190
(Address)
Diamondhead, MS 39525
(City, State, Zip)
(228) 255-5856
(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.

Doug McGraw
(Signature)

Subscribed and sworn to before me this 15 day of February, 2000, at Hancock County of Mississippi
My commission expires ... Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

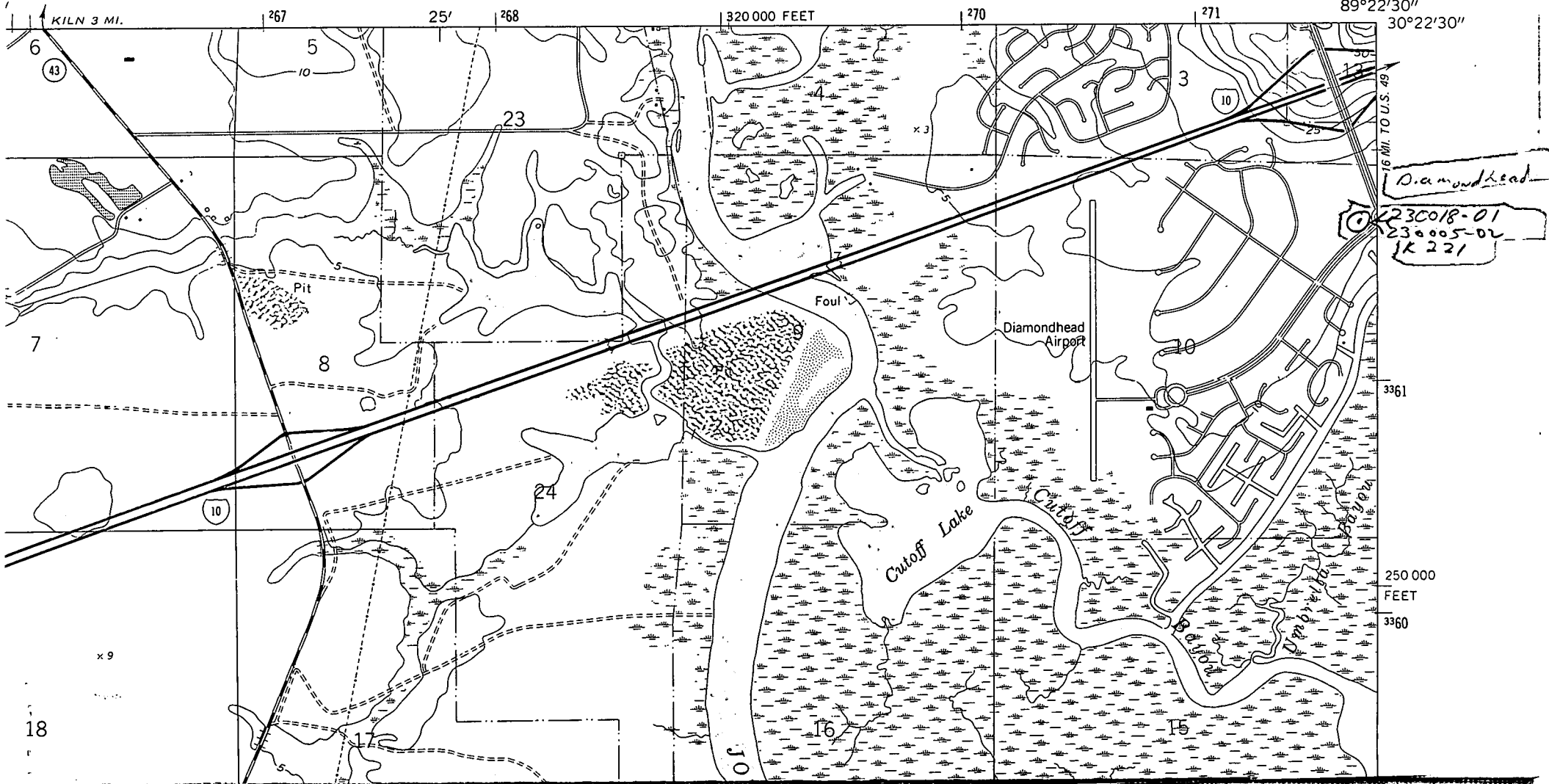
GPS LOG

USER NAME(S): Stewart/Everett DATE: 1/28/98
UNIT DEQ #: _____ FILE #: A012823A
HEALTH DEPT. #: 230005-02 SAM²₈₃₀₀₁₈₋₀₁ ELEV. 11
USGS #: K221 OLWR #: GW12541
OWNER: Diamondhead Utilities North
LOCATION: NE NE S 10 T 85 R 14W COUNTY: Hancock
LOCATION DESCRIPTION: S 1 of I-10, access from
clubhouse
CASING DIA: _____ PUMP TYPE & SIZE: _____
GPS FIELD LOCATION: LAT. 30°22.054 LONG. 89°22.586°
GPS CORRECTED LOCATION: LAT. 30.367169 LONG. 89.375639
REMARKS: Waveland Quad

ATES
COMMERCE
TIC SURVEY

WAVELAND QUADRANGLE
MISSISSIPPI-HANCOCK CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

314414 NE
(VIDALIA)



Diamondhead
230018-01
230005-02
1K 221

3361

250 000
FEET

3360

18

x 9

10

8

7

6

23

267

25'

268

320 000 FEET

270

271

89°22'30"

30°22'30"

16 MI. TO U.S. 49

of

16

15