GW12519
0A30050-02

Coded By Q 12/92
Checked By [illegible]-93
Entered By [illegible]
Date 6/6/93

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 174
County HANCOCK
Agency

Well No. G154

Kiln Quad

WELL RECORD

Agency Code: USGS
Site Id: 1=301215412018921601201/1
Project No. 5=
Station Name: 12=G154 KILN
Latitude: 9=301215412
Longitude: 10=0189216012
Lat/Long Ac.: 11=S F T M
Dist: 6=28
State: 7=28
County: NE 8=045
Land Net: 13=NW NE S19 T07S R14W Z1
Location Map: 14=KILN
Altitude: 16=15 56 FT
Met/Meas: 17=A L M
Accuracy: 18=151
Hydrologic Unit: 20=0131760601
Agency Use: 503=A D
Date Inventoried: 711=
Station Type: 4=Y
Data Type: 804=
Instru.: 805=
Remarks: 806=
Relia.: 3=C L M U
2=W X
Date of Construction: 21=12/10/1991
Well Use: 23=W
Water Use: 24=P WA
Primary Aquifer: 714=121GRMF
Hole Depth: 27=6199
MOCN on permit
Well Depth: 29=5601
Water Level: 30=121
Water Level Date: 31=05T/12T1/11991
Method: 34=
Status: 37=
Source: 33=D

CONSTRUCTION DATA
R=58 T=A 723#1
Construction Date: 60=05T/12T1/11991
Contractor: 63=401
Name: Lyman
Method: 65=H
Finish: 66=S

CONSTRUCTION CASING DATA

				Top/Casing	Bot/Casing	Diameter
R=76	T=A	725#1	59#1	77=101	78=5201	79=10
R=76	T=A	725#2	59#1	77=1701	78=5401	79=6

CONSTRUCTION OPENINGS DATA

				Top/Depth	Bot/Depth	Diameter	Type	Length	Width
R=82	T=A	726#1	59#1	83=5401	84=5801	87=6	85=S	89=	88=.01
R=82	T=A	726#2	59#1	83=	84=	87=	85=	89=	88=

CONSTRUCTION LIFT DATA
R=42 T=A 254#1
Lift Type: 43=T
Date: 38=05T/12T1/11991
Intake: 44=.18ST
Power: 45=
H.P: 46=
Serial No.: 49=

MISCELLANEOUS OWNER DATA
Kiln Water & Fire Protection District
R=158 T=A 718#1
Date of Ownership: 159=05T/12T1/11991
Owner Name: 161=KILN

MISCELLANEOUS OTHER ID DATA
R=199 T=A 736#1
E-Log No.: 190=174
Assigner: 191=MISSISSIPPI

MISCELLANEOUS GW DATA

R=192	T=A	738#1	Date of Measurement 193= / /	Aquifer Sampled 195=	Temp 196#00010	Value 197=
R=192	T=A	738#2	Date of Measurement 193= / /	Aquifer Sampled 195=	Sp Cond 196#00095	Value 197=
R=192	T=A	738#3	Date of Measurement 193= / /	Aquifer Sampled 195=	pH 196#00400	Value 197=

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199=EL	Beg. Depth 200= 10	End Depth 201= 61010
R=198	T=A	739#1	Log Type 199=DI	Beg. Depth 200= 10	End Depth 201= 51810

MISCELLANEOUS NETWORK DATA 706 = GW WL WD *

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

MISCELLANEOUS REMARKS DATA

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

DISCHARGE DATA

R=146	T=A	Pump Flow	147#1	Date 148=05 / 21 / 1 / 1913	Type 703=(P)	Discharge 150= 134	Sp. Capacity 272=

GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91= 510	Depth Bot. 92= 518	Unit Id 93= 121 GRMF	304=

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100=	103=

12 M. N OF BAY ST. LOUIS

340 GPM W/D 0443.5'
AFTER 24 HRS. PUMPING

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
TOP SOIL	0	2
YELLOW CLAY	2	15
SAND + PEA GRAVEL	15	124
BLUE CLAY	124	240
SAND MIXED	240	330
BLUE CLAY	330	500
SAND	500	580

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Bureau of Land and Water Resources

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

COUNTY WELL LOCATED: HANCOCK
WELL NUMBER: G 154 CODED: ✓
DATE WELL COMPLETED: 5/29/93

PERMIT NUMBER: 0404
NAME OF DRILLING FIRM: LYMAN WELL CO.

NAME & MAILING ADDRESS OF LANDOWNER
KILN FIRE + WATER DIST.
P.O. BOX 504
KILN MS 39556

WELL LOCATION: SEC 19 TOWNSHIP 7 N/S RANGE 14 E/W

DISTANCE 12 Miles DIRECTION N of NEAREST TOWN BAY ST LOUIS

OTHER LANDMARK

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

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

Pump Capacity (GPM)	No. of Stages	Setting Depth
340	7	85 FT.

PUMP TEST
Well yielded 340 GPM with
a drawdown of 43.5 ft.
after 24 hours of pumping

WELL DATA

Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
580	10"	520

Type of Casing	Hole Depth	Depth to Static Water Level
STEEL	600	22.1

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

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

SCREEN DATA

Diameter - Inches	Length - Feet	Slot Size - Inches
6"	40	10

Screen Type	Depth to Bottom - Feet
STAINLESS STEEL	580

LOG DATA

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

Name of Organization Running Log
State

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
TOP SOIL	0	2
YELLOW CLAY	2	15
SAND + PEA GRAVEL	15	124
BLUE CLAY	124	240
SAND MIXED	240	330
BLUE CLAY	330	500
SAND	500	580

FORMATIONS (Continued) | FROM | TO

RECEIVED
MAY 27 1993
Dept. of Environ. Quality
Office of Land & Water Resources

IF MORE SPACE IS NEEDED, USE BACK

MOCN

FORM BLW-AP-1
(rev. 10/88)
The box below is for office use only. AMM

Issued: 5/12/92 Expires: 5/12/02	Fee Paid X	Permit No. GW-12519	
Lat. 302539 Long. 892558 Elev. 55		USGS No.	
Quad. Kiln Dist.		Basin No. 03170009	
STAC		Dam Inv. No.	
		Dam appl. No.	

RECEIVED
APR 17 1992
Dept. of Environmental Quality
Bureau of Land & Water Resources

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:

Kiln Water & Fire Protection District of Hancock County (Name) 64-6165975 (S/S or Tax ID No.)

P. O. Box 508 (Address)

Kiln (City) MS 39556 (State and Zip) (601) 255 - 7864 (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):

NW 1/4 of the NE 1/4 of Section 19, Township 7S, 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) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) .080 0.10 million gallons per day at a maximum rate of 225 gallons per minute

(c) _____ acre feet of storage at normal pool

(d) _____ per _____ at a maximum rate of _____

Construction of proposed work will begin on (date) June, 19 92 and will be completed by (date) December, 19 92.

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.
225 GPM Well - Permit #GW-02895

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)

SECTION B (to be completed if application is for groundwater source)

1. Source of water is _____ aquifer.
2. Description of proposed water well:
   (a) DEPTH OF WELL: 600 (est.) feet. DRILLER (name): To be bid.
   (b) ~~SURFACE~~ CASING: Length: 550 (est.) feet. Diameter: 10 inches. Type: Welded Steel.
   (c) SCREEN: Length: 40 (est.) feet. Diameter: 6 inches. Type: Stainless Steel.
   (d) PUMP: Type: Turbine. Size: 8". Capacity: 225 gallons per minute.
   Number of stages: 8 (est.) Setting depth: 50 (est.) feet.
   (e) POWER UNIT: Type: Electric Motor. Size: 15 (est.) horsepower.
   (f) TYPE OF COMPLETION: _____.

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SEC-TION	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

1. **IRRIGATION**: List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Soybeans _____; Corn _____; Pasture _____; Truck _____; Wheat _____; Oats _____; Grain sorghum _____; Other (specify) _____ Acres _____
2. **FISH CULTURE:** Explain how water will be used: _____.
   How often will reservoir(s) be emptied and refilled? _____.
3. **MUNICIPAL** or **WATER ASSOCIATION**
   Choose "a" or "b". (a) The number of people served is _____. (b) The number of connections/customers is 460.
   What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years? 161,000 (Volume) 1992 (Year); 201,000 (Volume) 1997 (Year); 251,600 (Volume) 2002 (Year); 314,500 (Volume) 2007 (Year)
   (Total for both wells)
4. **INDUSTRIAL:** If water is to be released into a watercourse, indicate the amount released each year _____;
   Rate of release _____; Location of release point in reference to diversion/withdrawal point _____; Explain any change in quality of water to be released: _____ NPDES Permit No. _____.
   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: _____.

REMARKS: _____

List below the person to be contacted for additional information if required:

Vernon "Dutch" Haas
(Name)
P. O. Box 508
(Address)
Kiln, MS 39556
(City, State, Zip)
601-255-2595
(Telephone)

The accompanying map is hereby declared a part of this application.
The **TEN DOLLAR ($10.00) permit fee** is enclosed herewith.

Cleveland Wyatt
(Signature)

Subscribed and sworn to before me this 16th day of April 19 92, at Gulfport,
County of Harrison. My commission expires 11/4/93
Jean Compton, Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart / Everett DATE: 1/29/98

UNIT DEQ #: _____ FILE #: A012920B

HEALTH DEPT. #: 230050-02 ELEV. 57'

USGS #: G154 OLWR #: GW-12519

OWNER: Kiln

LOCATION: NE NW NE S 19 T 7S R 4W COUNTY: Hancock

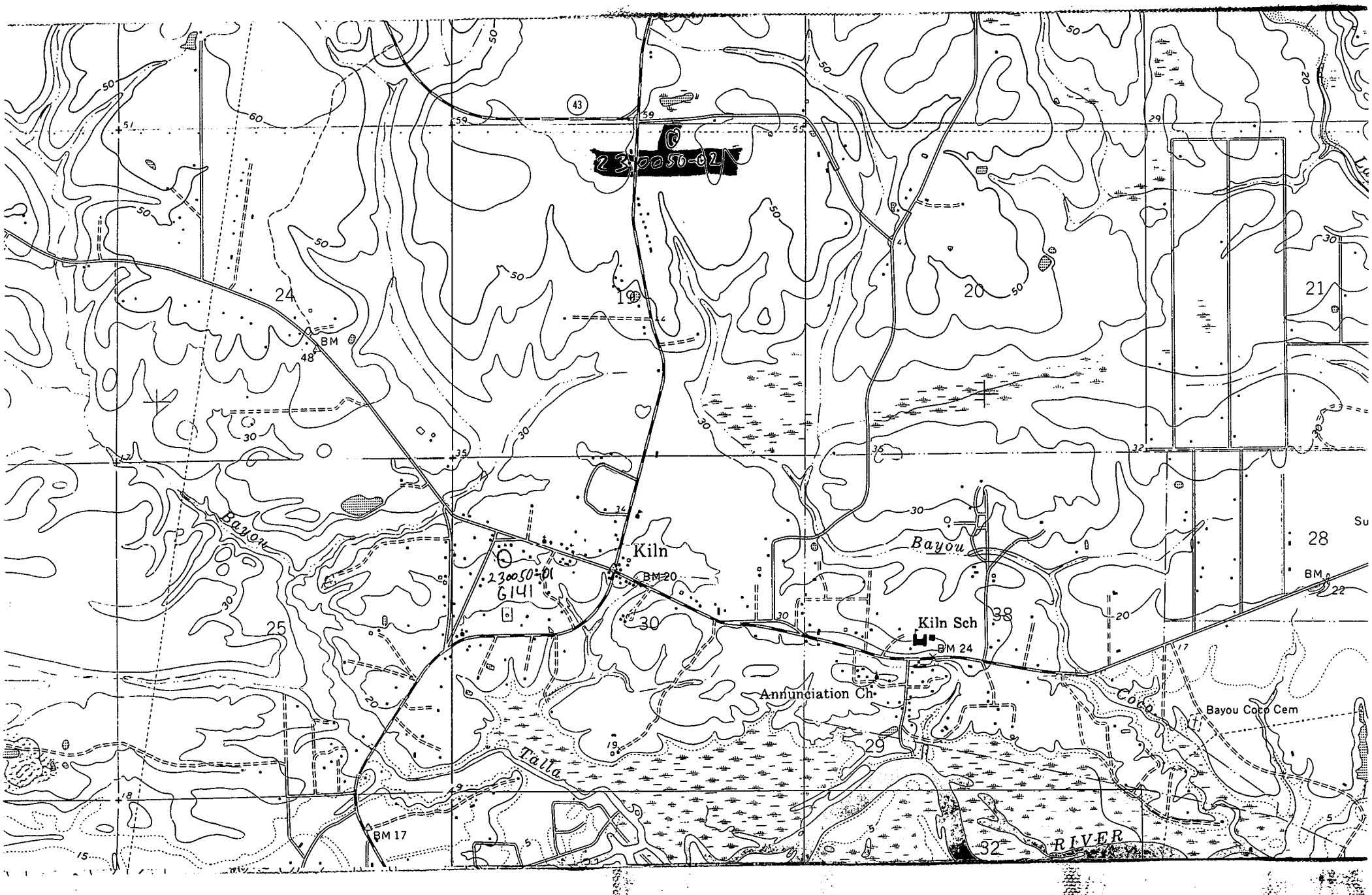
LOCATION DESCRIPTION: East side of Hwy 603, just South of Hwy 43

CASING DIA: _____ PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 30° 25.689' LONG. 89° 25.980'

GPS CORRECTED LOCATION: LAT. 30.427992 LONG. 89.433043

REMARKS: Kiln Quad.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230050-01
G141
Kiln
BM 20
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Annunciation Ch
Bayou Coco Cem
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