HYDROGEOLOGIC CARD

Physiographic Province: COASTAL PLAIN

Section: E. GULF COASTAL

MAJOR AQUIFER: TERTIARY MIOCENE T.M. CATAHOULA SS C.4

Lithology: SAND

Length of well open to: 213.5 ft

Depth to top of: 30 ft

Thickness: 5 ft

MINOR AQUIFER: system

Lithology: 

Length of well open to: 

Depth to top of: 

Thickness: 

Interval Screened: 213.5 ft

Depth to consolidated rock: 40 ft

Source of data:

Depth to basement: 55 ft

Source of data:

Surficial material: 

Infiltration characteristics: 

Coefficient: 

Storage: 

Coefficient: 

Perm: gpd/ft; Spec cap: gpd/ft; Number of geologic cards:

LATITUDE-LONGITUDE 31° 55' 43.7"

DRAINAGE BASIN: I-3Y

WELL No. J-54

Gulf Coast Oil Corporation

GP0 937-142
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**WATER WELL DRILLERS LOG**

- **Date well completed:** 2-23-71
- **Landowner:** Copiah County
- **Address:** P.O. Box 329, Hazlehurst, Miss. 39088
- **WELL LOCATION:** sec. 22, T. 1 N., R. 2 W., 1/2 miles S.W. of Hazlehurst
- **WELL PURPOSE:** Irrigation
- **WELL COMPLETION DATA:**
  1. **Diameter:** 10"
  2. **Total depth:** 187'
  3. **Static water level:** 50' below the top of ground
  4. **Casing:** Steel, 140' (material), 10' (size)
  5. **Screen:** 140' (material), 30' (size)
  6. **Pump:** 20 HP (material), 250 (yield gpm)

**DRILLERS REMARKS:**

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**Description of formations encountered:**

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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. 1-P3-96 AGN.

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THIS APPLICATION IS FOR (Circle one): NEW PERMIT  RENEWAL  PERMIT NO: MS-GW-01508
NEW APPLICATION IS FOR (Circle one): GROUNDWATER  COMPLETE A.B.F.
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: DOMESTIC SANITATION

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER:

CAPITOL COUNTY BOARD OF SUPERVISORS

(Name) 6000007

(Address) COUNTY COURT HOUSE

(City) HARRISON MS 39063 (State & Zip) 294 - 1858

(Telephone)

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

(Name)  

(Address)  

(City)  

(State & Zip)  

(Telephone)

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

S.W. 1/4 of the S.W. 1/4 of Section 15, Township 14, Range 2 W. County CAPITOL

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:  COLUMBIA MISSISSIPPI DEPARTMENT OF HEALTH NO: 15 0018 - 01

2. Proposed work will begin on 1971 and will be completed by 1971.

If well has already been drilled, when was well completed (date)? 2. 1971

Under whose name was well originally drilled (if known)?

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 187 ft. DRILLER: LEWIS CENTRAL

(b) SURFACE CASING: Length 140 feet; Diameter 10 inches; Type BLACK STEEL

(c) SCREEN: Length 30 feet; Diameter 10 inches; Type S.S.

(d) PUMP: Type V-TURBINE: Size 6'; Capacity 257 gallons per minute; Setting depth 100 feet

(e) POWER UNIT: Type Size horsepower

4. PERMITTED VOLUME:

(a) 3.5 acre-feet per year at a maximum rate of gallons per minute

(b) 6.5 million gallons per day at a maximum rate of 257 gallons per minute

(CONTINUED ON BACK) 257
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. Description of pump/diversion works:
   Pump (size & type): ______________________ Power Unit (size & type): ______________________
   Lift: ______________________ feet Maximum capacity: ______________________ gallons per minute
   ________________ 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 Sorghum __________; 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 __________
   Explain any changes in quality of water to be released: __________
   How will water 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.

SUSAN L. KEYS
(Name)
P.O. BOX 551
(Address)
HAZLE HURST, MS 38633
(City, State, Zip)
601-894-1858
(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.

Subscribed and sworn to before me this day of ______________________ at Hazlehurst County of __________
My commission expires ______________________

[Signature]
By ______________________ Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Ian / Dae  DATE: 6/15/94
UNIT DEQ #:  FILE #: 40617146
HEALTH DEPT. #: 1500/98-0.1  ELEV. 430
USGS #: J54  OLWR #: GW1508
OWNER: Copiah Co. Ind. Park
LOCATION: SW NW S 15 T N Raw  COUNTY: Copiah
LOCATION DESCRIPTION: Driveway next to R.H. tract on Hwy 51, Gallow

CASING DIA:  PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 31-53-24  LONG. 90-24-05
31-55-28S  90-43-7W
GPS CORRECTED LOCATION: LAT. 31°55'17.060" LONG. 90°23'43.796'
31.921406  90.395499
31°55'17.06"  90°23'43.80'

REMARKS:

[Signature]
[Handwritten Signature]