

E Log # 138 GW1508
DOH# 150018-01

TEST HOLE NO. 1
WELL NO. 1
T 54

FORM 9-1642
(1-68)

Well No.

SITE ID = 315505090234501

WELL SCHEDULE

268A

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

RECORDED and VERIFIED
ROLLA CORRELATION BRANCH

MASTER CARD

Record by G. J. DALBIN Source of data E-LOG Date 1-29-71 Map GALLMAN QUAD.
BOWC DR. LOG 1:24000 ✓

State MISSISSIPPI County COPIAH (or town) 15

Latitude: 31 deg 55 min 05 sec N Longitude: 090 degrees 23 min 45 sec W Sequential number: 1

Lat-long accuracy: 2 T. 1 S. R. 2 E. Sec. 25 SWNE, SWW, SWV

Local well number: J054CC1501NO2W Other number: #1 B & M

Local use: 064138 Owner or name: COPIAH CO. Bd. of Supervisors Address: HAZLEHURST, MISS.

Ownership: (C) County, (F) Fed Gov't, (M) City, Corp or Co, Private, State Agency, Water Dist (S) (W) Copeiah Co. Bd. of Supervisors (C)

Use of water: (A) Air cond, (B) Bottling, (C) Dewater, (D) Power, (E) Fire, (H) Dom, (I) Irr, (M) Med, (P) S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Recharge, (W) Desal-P S, (X) Desal-other, (Y) Other (Z) IN

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. (Z) W

DATA AVAILABLE: Well data 70 Freq. W/L meas.: 71 Field aquifer char. 72

Hyd. lab. data: 73

Qual. water data; type: 74

Freq. sampling: 75 Pumpage inventory: 76 yes no, period: 77

Aperture cards: 78 CRNL yes 79

Log data: E-LOG 7-303 D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 170 ft Meas. rept accuracy 24 3

Depth cased; (first perf.) 140 ft Casing type: Steel Diam. 10X6 in 29 30

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other 31 S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse, (T) trenching, (V) driven, (W) drive wash, (Z) other 32 H

Date Drilled: 71 9711 Pump intake setting: 36 ft 38

Driller: SINGER-LAYNE CEN. DIV. JACKSON, MISS. P.O. 10206

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (M) multiple, (N) multiple, (P) none, (R) piston, (S) rot, (T) submerg, (Z) turb, other 39 T Deep 40 Shallow

Power (type): (L) diesel, (V) elec, (G) gas, (H) gasoline, (W) hand, (P) gas, (W) wind; H.P. 20 V Trans. or meter no. 41

Descr. MP 435 ft above below LSD, Alt. MP 47 5

Alt. LSD: 140 140 Accuracy: (source) U.S.G.S. TBP 48 51 52 D

Water Level: 50 ft above below MP; 50 ft above below LSD Accuracy: 53 54 55 271 Yield: gpm 250 Method determined 61

Drawdown: 62 ft Accuracy: 63 Pumping period 64 hrs 65 66 67

QUALITY OF WATER DATA: Iron 69 ppm Sulfate 70 ppm Chloride 71 ppm Hard. 72 ppm Sp. Conduct K x 10 73 Temp. 74 75 76 Date sampled 77 78 79

Taste, color, etc. 80

Universal Mfg. Co.

6/15/94 CAR/DRB

Well No. J 54

Latitude-longitude 31 55 5 ^N 96 23 45 _S

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: COASTAL PLAIN 03 Section: E. GULF COASTAL

Drainage Basin: PLAIN D 13V Subbasin: 26

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

MAJOR AQUIFER: TERTIARY MIOCENE T M CATAHOUILLA SS CA

Lithology: SAND S Origin: 3 Aquifer Thickness: ft

Length of well open to: 235 ft 38 30 Depth to top of: 41 5 ft 43

MINOR AQUIFER: system series 44 45 aquifer, formation, group 46 47

Lithology: Origin: 50 Aquifer Thickness: ft

Length of well open to: ft 54 58 Depth to top of: ft 57 59

Intervals Screened: 6" S.S.

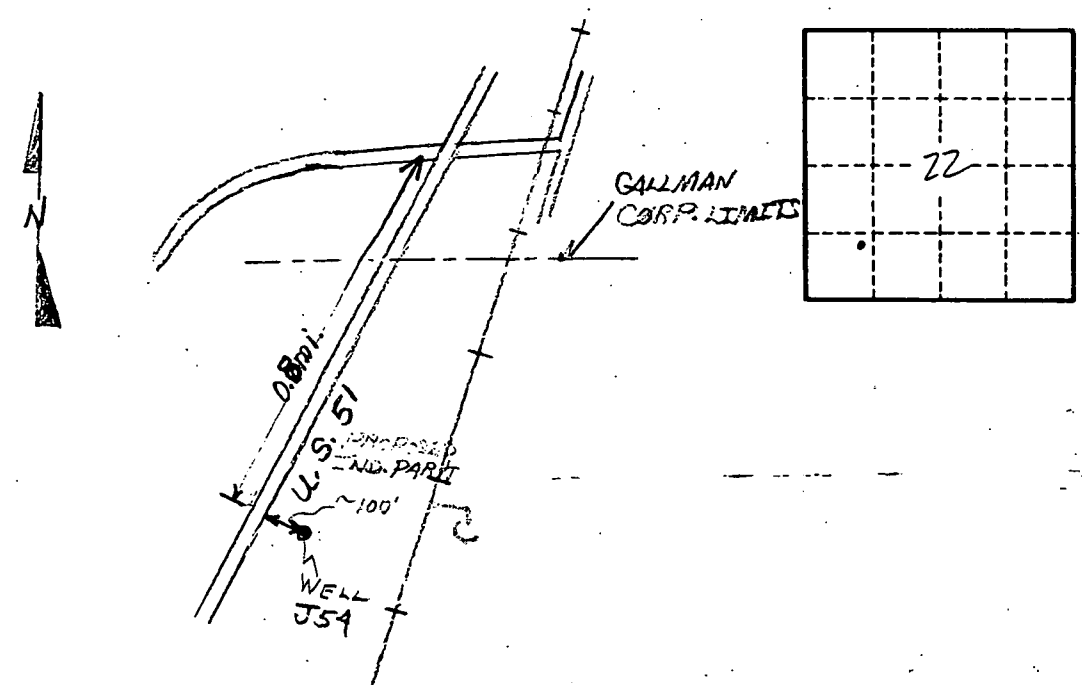
Depth to consolidated rock: ft 60 63 Source of data: 64

Depth to basement: ft 65 68 Source of data: 69

Surficial material: 70 71 Infiltration characteristics: 72

Coefficient Trans: gpd/ft 73 75 Coefficient Storage: 76 78

Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: 79



Well No. J 54

**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.

1-23-96 AGN.

FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>2-25-86</u>	Expires: <u>2-25-2006</u>	Fee Paid: <u>1</u>	Permit No. <u>MS-GW-01508</u>
Lat. <u>33 00 00 N</u>	Long. <u>90 00 00 W</u>	Elev. <u>450</u>	USGS No.
Quad. <u>511000</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer:	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT **RENEWAL** PERMIT NO. MS-GW-01508

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: DOMESTIC SANITATION

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: COPIAH COUNTY BOARD OF SUPERVISORS CA 6000287
(Name) (SSN or Tax ID No.)

COUNTY COURT HOUSE
(Address)

HAZLEHURST MS 39083 (601) 894-1858
(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):

SW 1/4 of the SW 1/4 of Section 15, Township 1N, Range 2W, County COPIAH

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: CITRONELLE MISSISSIPPI DEPARTMENT OF HEALTH NO.: 150018-01

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.

If well has already been drilled, when was well completed (date)? 2-86, 1971. Under whose name was well originally drilled (if known)? ?

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 187 feet. DRILLER: LAQUE CENTRAL

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

(c) SCREEN: Length 30 feet; Diameter 6" inches; Type S.S.

(d) PUMP: Type TURBINE; Size 8"; Capacity 257 gallons per minute; Setting depth 100 feet

(e) POWER UNIT: Type _____; Size 20 horsepower

4. PERMITTED VOLUME :

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

(b) .03 million gallons per day at a maximum rate of 257 gallons per minute

(CONTINUED ON BACK)

257

RECEIVED
SEP 18 1995
Office of Environmental Quality
Office of Land & Water Resources

NO MAP

SECTION C (to be completed for SURFACE WATER SOURCE)

- Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
- 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)

- Name of storage reservoir: _____ Dam Height: _____ feet
- 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)

- 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. _____

- 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 550 or (b) The number of connections is 7

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)

- INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year 15 MILLION GAL

Rate of release ~~15 MG/HR~~ 0.042; NPDES Permit No. MS0032921

Explain any changes in quality of water to be released: Water is used for Sanitation purposes only
TREATED IN AN EXTENDED AERATION WWTW.

Explain how water will be used: _____

How much groundwater will be used for once-through non-contact cooling? _____

- RECREATION: Explain how water will be used: _____

- OTHER USE: Explain in detail (if needed, attach another page): _____

- REMARKS: _____

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

SUSAN L. KEYS
(Name)

P.O. BOX 551
(Address)

HAZLEHURST, MS. 39053
(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.

Susan L. Keys
(Signature)

Subscribed and sworn to before me this September 19 1995 day of September 1995, at Hazlehurst County of Coahoma

My commission expires _____; Steven Monahan, Clerk Notary Public.

By Deborah Dardifur



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAN/DUB DATE: 6/15/94
UNIT DEQ #: _____ FILE #: A061714C
HEALTH DEPT. #: 150018-0.1 ELEV. 430
USGS #: J54 OLWR #: GW1508
OWNER: Copiah Co. Ind. Park
LOCATION: SE/NW S 15 T 1N R 2W COUNTY: Copiah
LOCATION DESCRIPTION: Driveway next to R.I. tracts. on
Hwy 51, Gallman
CASING DIA: _____ PUMP TYPE & SIZE: Turbine /
GPS FIELD LOCATION: LAT. 31-53-24 LONG. 90-24-05
31-55-285 N 90-23-724 W
GPS CORRECTED LOCATION: LAT. 31 55 17.060 LONG. 90 23 43.796
31.921406 90.395499
REMARKS: 31° 55' 17.06" 90° 23' 43.80"

Gallman Quad

