GW 2395
DOH # 150006-02
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

Well No. K32
County Copiah

<table>
<thead>
<tr>
<th>Site ID</th>
<th>315639090112901</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>0</td>
</tr>
<tr>
<td>T</td>
<td>A</td>
</tr>
<tr>
<td>W</td>
<td>2</td>
</tr>
</tbody>
</table>

Data reliability: C

Location: 31N06E390S10T1790W

Well data:

- Date: 21-1, 01/26/1977
- Well No.: 12 = K032
- Well depth: 28 = 269

Owner:

- Owner: HARMONY RDG W A
- Date: 1590: 10/31/1977
- Owner No.: T H #2 for Well #2

FIELD ON:

- Date: 1938
- Temp: 196900010
- Cond: 196900095
- pH: 196900400

CONSTRUCTION:

- Drilled: 63' 18
- Name: Lminer Drill
- Method: 65 = H
- Finish: 66 = S

CASTING:

- Top casing: 77' 10
- Bot. casing: 78 = 210
- Diam: 79' 8

- Top casing: 77' 17
- Bot. casing: 78 = 229
- Diam: 79' 6

OPENINGS:

- Top: 83' 229
- Bottom: 84 = 269
- Type: 85 = S
- Diam: 87 = 6
- Size: 88 = 0.08

YIELD:

- Q: 147 1
- Q/S: 272
- 134 flows 146 pumped

Remarks:

- Remarks: CTH L

Date: 60-10/31/1977
Lift type: 43
Intake: 44
Power type: 45

Log 1999.7
Top: 200
Bot: 201

Log 1999.7
Top: 200
Bot: 201

E Log No.: 1900.7

Year: 115
Type: 120

Unit ID: 93 - 1224TML
Name of Unit

Unit ID: 93 - 2560.1
Name of Unit

Test No.: 106

Transmissivity (gal/d)/ft
Hydraul. cond. (gal/d)/ft²
Storage coeff. Boundaries

Water Level Data Collection (1)
**COPIAH**

**32**

**10/77**

log # 248

**MISSISSIPPI**

**BOARD OF WATER COMMISSIONERS**

416 North State Street
Jackson, Mississippi 39201

**WATER WELL DRILLERS LOG**

**date well completed**

**1977 GRINER DRILLING SERVICE COPIAH**

**firm name**

**county well located**

<table>
<thead>
<tr>
<th>LANDOWNER:</th>
<th>WATER ASSN., WELL NO. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>(malling address)</td>
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<table>
<thead>
<tr>
<th>WELL LOCATION:</th>
<th>S 17 T 14 R 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>sec</td>
<td>T</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(distance)</th>
<th>(direction)</th>
<th>(nearest town)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>WELL PURPOSE:</th>
<th>(home, irrigation, municipal, industrial)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>WELL COMPLETION DATA:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) diameter (inches)</td>
<td>9.58</td>
</tr>
<tr>
<td>(2) total depth (feet)</td>
<td>3.69</td>
</tr>
<tr>
<td>(3) static water level (feet)</td>
<td>1.4 below top of ground</td>
</tr>
<tr>
<td>(4) casing</td>
<td>STEEL 2.10</td>
</tr>
<tr>
<td>(material)</td>
<td>(depth)</td>
</tr>
<tr>
<td>(size)</td>
<td>89/16</td>
</tr>
<tr>
<td>(5) screen</td>
<td>40 9.29</td>
</tr>
<tr>
<td>(length)</td>
<td>(depth to top)</td>
</tr>
<tr>
<td>(size)</td>
<td>6.30 5.5 6.0</td>
</tr>
<tr>
<td>(material)</td>
<td>cast iron 1/2</td>
</tr>
<tr>
<td>(6) pump</td>
<td>20 3.57</td>
</tr>
<tr>
<td>(HP)</td>
<td>(yield gpm)</td>
</tr>
<tr>
<td>ELECT</td>
<td></td>
</tr>
<tr>
<td>(type power)</td>
<td></td>
</tr>
<tr>
<td>(7) electric log</td>
<td>YES</td>
</tr>
<tr>
<td>(yes or no)</td>
<td></td>
</tr>
<tr>
<td>miss. cc &amp; swing</td>
<td></td>
</tr>
<tr>
<td>(organization running log)</td>
<td></td>
</tr>
<tr>
<td>(8) how well bottom plugged</td>
<td>BACK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>description of formations encountered</th>
<th>from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP SOIL</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>SAND + GRAVEL (GRABB)</td>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>PLAY</td>
<td>120</td>
<td>155</td>
</tr>
<tr>
<td>SAND + PLAY STEMS</td>
<td>155</td>
<td>180</td>
</tr>
<tr>
<td>CLAY</td>
<td>180</td>
<td>214</td>
</tr>
<tr>
<td>SAND + CLAY SAND</td>
<td>214</td>
<td>230</td>
</tr>
<tr>
<td>SAND, MUD,</td>
<td>230</td>
<td>270</td>
</tr>
<tr>
<td>PLAY, ROUND</td>
<td>270</td>
<td>300</td>
</tr>
<tr>
<td>YARD</td>
<td>300</td>
<td>50</td>
</tr>
</tbody>
</table>

**RECEIVED**

**JAN 25, 1978**

**WATER COMM***

**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: 5-14-96 A.G.N.

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Lat: 31°56'39&quot;</td>
<td>Long: 90°17'30&quot;</td>
<td>Elev: 422</td>
<td>USGS No. 1032</td>
</tr>
<tr>
<td>Quad: CRYSTAL SPINGS</td>
<td>ASCS Farm No.</td>
<td>STAC:</td>
<td>MSDH No.</td>
</tr>
<tr>
<td>Aquifer: CTHU</td>
<td>Tract No.</td>
<td>Basin No. 0.3180003</td>
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</tr>
<tr>
<td>Remarks:</td>
<td></td>
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</tr>
</tbody>
</table>

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. G61403795

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: HARMONY RIDGE WATER ASSOCIATION, 640468981 (SSN or Tax ID No.)

P.O. Box 112

CRYSTAL SPRINGS MS 38959 (City) (Telephone)

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

HD 150064-02 (SSN or Tax ID No.)

ADDRESS

ADDRESS

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

AIF 1/4 of the NN 1/4 of Section 10, Township 11N, Range 9W, 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: CTHU MISSISSIPPI DEPARTMENT OF HEALTH NO.

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

   If well has already been drilled, when was well completed (date)? ________

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

3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 215 feet
   (b) SURFACE CASING: Length 40 feet; Diameter 6 inches; Type 30455
   (c) SCREEN: Length 40 feet; Diameter 6 inches; Type 30455
   (d) PUMP: Type TURBINE; Capacity 250 gallons per minute; Setting depth 191/4 feet
   (e) POWER UNIT: Type TURBINE; Size 20 horsepower

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

(CONTINUED ON BACK)
SECTION C (to be completed for SURFACE WATER SOURCE)
1. Source of water is from __________________ 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 __________________; 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): A COMMUNITY WATER SYSTEM TO PROVIDE WATER TO SUPPLY THE NEEDS OF A SINGLE DWELLING AND LIVESTOCK OWNED BY EACH MEMBER.

7. REMARKS:

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

 Name:  DON E. LEE
 Address:  3085 Burk Loop Rd.
 City, State, Zip:  CRYSTAL SPRINGS, MS.  39059
 Telephone:  601- 892-1152

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)

Subscribed and sworn to before me this 5th day of Jan. 1999 at Madison County of Mississippi.


Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAK/Ors
DATE: 6/15/94

UNIT DEQ #: 82859
FILE #: A061715B

HEALTH DEPT. #: 150006-02
ELEV. 480

USGS #: K-32
OLWR #: 2395

OWNER: Harmony Ledge Water Assoc.

LOCATION: SW/NW 10 T IN R 1N
COUNTY: Cornwall

LOCATION DESCRIPTION: 60' of Harmony Ln. next to vineyard, corner of Harmony and Hunt Loop.

CASING DIA: 8"1
PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 31°56'-40" LONG. 90°17'-27"

GPS CORRECTED LOCATION: LAT. 31°56'38.395" LONG. 90°17'29.102"

REMARKS: 5' NW pump, 4' hight off ground, on fence.

[Crytal Springs Cond]