WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

MASTER CARD

Record by: WILSON, B. Source of data: Bosie, 3/64
State: Idaho County: Custer
Latitude: 41° 53' 45" n Long: 116° 02' 20."n Accuracy: 2 min sec
Lat-long accuracy: 15 degrees 15 min sec 15 sec
Sequential number: 22

Local use: 00-1-75-767-15 Other: 0stern St. Well

Owner name: CRYSTAL SPRINGS Ownership: County, Fed Govt, City, Corp, Private, State Agency, Water Dist

Use of water: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

Well: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

DATA AVAILABLE: Well date: 20 Freq. W/L meas: 79 Field aquifer char: 79

Hyd. lab. data: 79

Qual. water date: 79 Freq. sampling: 79

Aperture cards: CRNL yes

Log data: 79

WELL DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 91 Metre: 1:1:1 Rept: ext accuracy 79

Drill: Cooper Central

Drilled: 3/61 Pumpp intake setting: 1:9:1

Lift (type): Air, bucket, cent, jet (cent.) (turb.)

Power (type): Diesel, elc, gas, gasoline, hand, gas, wind, HA

Descrip. MP: 454

Alt. LSD: 1:9:1

Water Level: 7:10 Accuracy: 79

Date: 10/67 Yield: 1:1:1

Drawdown: 1:1:1 Pumping period: 1:1:1


Taste, color, etc.: 79
**HYDROGEOLOGIC CARD**

**Physiographic Province:**

<table>
<thead>
<tr>
<th>Topo of well site:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake, basin, depression, stream channel, dune, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley flat</td>
</tr>
</tbody>
</table>

**Major Aquifer:**

<table>
<thead>
<tr>
<th>System</th>
<th>Series</th>
<th>Aquifer, formation, group</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>2</td>
<td>36</td>
</tr>
</tbody>
</table>

**Lithology:**

<table>
<thead>
<tr>
<th>Length of well open to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft</td>
</tr>
</tbody>
</table>

**Minor Aquifer:**

<table>
<thead>
<tr>
<th>System</th>
<th>Series</th>
<th>Aquifer, formation, group</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>4</td>
<td>40</td>
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</tbody>
</table>

**Lithology:**

<table>
<thead>
<tr>
<th>Length of well open to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft</td>
</tr>
</tbody>
</table>

**Intervals:**

<table>
<thead>
<tr>
<th>Depth to consolidated rock</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source of data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Depth to basement:**

| ft |

**Surficial material:**

<table>
<thead>
<tr>
<th>Infiltration characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Coefficient:**

<table>
<thead>
<tr>
<th>Transmissivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>spd/ft</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>79</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.73</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Permeability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spec cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

**Number of geologic cards:**

<table>
<thead>
<tr>
<th>2-19-96</th>
</tr>
</thead>
</table>

**Gw Z212**

**Reverse flow well:**

| WL | 62' (1967) |

<table>
<thead>
<tr>
<th>Source: 54.9</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>8&quot; pump</th>
<th>90' of column</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 gpm @ 30 psi</td>
<td></td>
</tr>
<tr>
<td>239</td>
<td>30</td>
</tr>
<tr>
<td>34.7</td>
<td>0</td>
</tr>
<tr>
<td>31.9</td>
<td>10</td>
</tr>
<tr>
<td>277</td>
<td>20</td>
</tr>
</tbody>
</table>

**Well No.**

<table>
<thead>
<tr>
<th>15003-03</th>
</tr>
</thead>
</table>
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  
RECEIVED

FEB 23 1995

This box is for office use only.  
6-25-96 HCN

Issued: 4-8-96  
Expires: 4-8-2006  
Fee Paid:  
Permit No.  
USGS No.  
MSDOW No.  
USGS No.  
MSDOW No.  

Lat. 31-58-45  
Long. 90-21-44  
Elev. 450  
Quad: Crystal Springs  
ASCIS Farm No.  
STAC.  
Aquifer: CRNL  
Tract No.  
Basin No. 03180002  

Remarks:  

THIS APPLICATION IS FOR (Circle one):  
NEW PERMIT  
RENEWAL - PERMIT NO. MS-6W-02272  

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  
2) Irrigation  
3) Industrial  
4) Fish Culture  
5) Recreation  
6) Institutional (e.g. Church, School)  
7) Commercial (e.g. Hotel, Casino, Restaurant)  
8) Fire Protection  
9) Livestock  
10) Flood Protection  
11) Other:  

SECTION A (to be completed by ALL APPLICANTS)  
LANDOWNER: City of Crystal Springs  
(Name)  
646000304  
(SSN or Tax ID No.)  
210 East Railroad Ave  
(Address)  
P.O. Box 473  
(P.O. Box)  
Crystal Springs, Miss. 39069  
(City)  
(601) 892-1210  
(State & Zip)  
(Telephone No.)  

APPLICANT, AGENT, OR LESSEE (if different from landowner):  
(____)  
(____)  
(____)  
(____)  
(____)  
(____)  
(____)  
(____)  

SECTION B (to be completed for GROUNDWATER SOURCE)  
1. AQUIFER: U.P. Mississippi CRNL  
MISSISSIPPI DEPARTMENT OF HEALTH NO.: 15003-03  
2. Proposed work will begin on April 19, 1996, and will be completed by April 19, 1996.  
If well has already been drilled, when was well completed (date)? April 19, 1961. Under whose name was well originally drilled (if known)? Sayre Central.  
3. Description of proposed or completed well:  
(a) DEPTH OF WELL: 109 feet. DRILLER: Sayre Central.  
(b) SURFACE CASING: Length 75 feet; Diameter 3 inches; Type Welded Black Steel.  
(c) SCREEN: Length 20 feet; Diameter 7 inches; Type Stainless Steel Shutter.  
(d) PUMP: Type Submergible; Size 8 in.; Capacity 270 gallons per minute; Setting depth 104 feet.  
(e) POWER UNIT: Type 45 Meter Helix Shaft; Size 15 horsepower.  
4. PERMITTED VOLUME:  
(a) 1 acre-feet per year at a maximum rate of 270 gallons per minute.  
(b) 32,750,000 gallons per day at a maximum rate of 270 gallons per minute.  
(Continued on back)  

Osborne St. Water Well
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: ___________________ Maximum capacity: ___________________ gallons per minute
   ________________acre-feet per year at a maximum rate of ___________________ gallons per minute
3. ___________________

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 Fallow
   B. Land Condition (circle one) - Precision Land Formation 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
   Choose "a" or "b": (a) The number of people served is ___342___ or (b) The number of connections is ___214___
   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) (Volume) (Year)
   4,925,680 2,001 4,977,600 2,006 50,295,600 2,011 55,296,600 2,016
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.

Robert J. Sons
(Name)

341 W R Ave P O Box 151
(Address)

Crystal Springs Miss 39059
(City, State, Zip)

601-892-411
(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.

Robert J. Sons
(Signature)

Subscribed and sworn to before me this 17th day of February 1996 at 9:58 County of Copiah

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

GPS LOG

USER NAME(S):  LAK/OKB        DATE:  6/15/94
UNIT DEQ #:   82857          FILE #:  A061716C
HEALTH DEPT. #:  L50003-03    ELEV.  450
USGS #:       D22            OLWR #:  2272
OWNER:  Crystal Springs Water Service
LOCATION:  NE/SW SW/NE SW/RW SW/RW         COUNTY:  Copiah
LOCATION DESCRIPTION:  Osborne St. well in front of house trailer.
CASING DIA:  30'        PUMP TYPE & SIZE:  Turbine / 15
GPS FIELD LOCATION: LAT.  31°58'45"        LONG.  90°21'45"
                      31°58'30"20.4"        90°21'56"15.7"
GPS CORRECTED LOCATION: LAT.  31°58'45.510 LONG.  90°21'43.7551"
REMARKS:  Go South on S Jackson until you get to St., take left (N) turn to 4th drive on West (left) side of Osborne.

Original Springs Aired.