

31585010702118

GW2268  
Doh # 150003-04

PUNCHED

FORM 9-1642  
(1-68)

Well No. D75  
Elog # 207 JAN 20 1973

WELL SCHEDULE

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

MASTER CARD

Record by WTO Source of data Bowc Date 1/73 Map Crystal Springs  
MSGs 5/73

State MISS County COPIAH (or town) 15

Latitude: 315850 N Longitude: 0902148 Sequential number: 1  
 Lat-long accuracy: 20 Sec 25 SW NE SW NE SW

Local well number: D076AC2502N02W Other well number: TH # 68

Local use: 184207 673 31 Owner or name: CRYSTAL SPRINGS

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist. M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Instit, (N) Unused, (O) Reppure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other MU

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed. W

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

Hvd. lab. data: \_\_\_\_\_

Qual. water data; type: 6/73

Freq. sampling: \_\_\_\_\_ Pumpage inventory:  yes  no, period: \_\_\_\_\_

Future cards: \_\_\_\_\_ CTHL yes

Log data: E log 10' - 341'

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: \_\_\_\_\_ ft 320 Meas. rept. 3

Depth cased; (first perf.) \_\_\_\_\_ ft 294 Casing type: \_\_\_\_\_; Diam. 12 1/4 x 8 in 12

Finish: (C) concrete, (F) gravel w. concrete, (G) gravel w. (perf.), (H) horiz. (screen), (I) open gallery, (J) end, (K) perf., (L) screen, (M) sd. pt., (N) shored, (O) open hole, (P) other 6

Method drilled: (A) air bored, (B) cable, (C) dug, (D) hyd, (E) jetted, (F) air, (G) reverse, (H) trenching, (I) driven, (J) drive wash, (K) other 12

Date drilled: 4-23-73 973 Pump intake setting: \_\_\_\_\_ ft 36

Driller: CRINER

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other T Deep  Shallow

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P., (I) LP, (J) Trans. or meter no. 25

Descrip. MP \_\_\_\_\_ ft above  below LSD, Alt. MP \_\_\_\_\_

Alt. LSD: \_\_\_\_\_ Accuracy: (source) topo 4

Water Level \_\_\_\_\_ ft above  below MP; Ft below LSD 175 Accuracy: \_\_\_\_\_ D

Date meas: 673 Yield: \_\_\_\_\_ gpm 220 Method determined 4

Drawdown: \_\_\_\_\_ ft 72 Accuracy: \_\_\_\_\_ 5

QUALITY OF WATER DATA: Iron 28 Sulfate \_\_\_\_\_ Chloride \_\_\_\_\_ Hard. \_\_\_\_\_

Sp. Conduct 230 K x 10<sup>6</sup> 2 Temp. 68 °F 200 Date sampled 673

Taste, color, etc. pH: 7.3

6/15/94 LAR/DRB

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: \_\_\_\_\_

D Drainage Basin: 113V Subbasin: \_\_\_\_\_

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

MAJOR AQUIFER: system \_\_\_\_\_ series TM aquifer, formation, group MZ

Lithology: US Origin: 3 Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: 26 ft Depth to top of: 26 ft 894 ft

MINOR AQUIFER: system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft Depth to top of: \_\_\_\_\_ ft \_\_\_\_\_ ft

Intervals Screened:

Depth to consolidated rock: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

Depth to basement: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

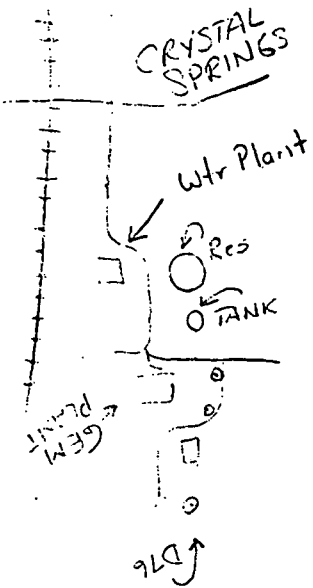
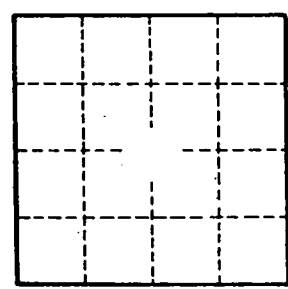
Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: 6500 gpd/ft 652 Coefficient Storage: \_\_\_\_\_

Coefficient Perm: 250 gpd/ft<sup>2</sup>; Spec cap: 3.1 gpm/ft; Number of geologic cards: \_\_\_\_\_

← 274

BARTH, Eng.  
South Gem Plant Well ↑



Well No.

113V



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG



USER NAME(S): LAR/DKS DATE: 6/15/94

UNIT DEQ #: 82859 FILE #: A061718A

HEALTH DEPT. #: 150003-04 ELEV. 440.

USGS #: D-76 OLWR #: 2268

OWNER: Crystal Springs Water Service

LOCATION: SE/NE/SW S 25 T 20 N R 2 W COUNTY: Columbia

LOCATION DESCRIPTION: Extreme South end of Plant (GEM)  
Sheldon.

CASING DIA: 12" PUMP TYPE & SIZE: Turbine / 25

GPS FIELD LOCATION: LAT. 31-58-51 LONG. 90-21-42

GPS CORRECTED LOCATION: LAT. 31-58-51.228 LONG. 90-21-38.245  
31.980897 90.360624

REMARKS: Leaving Plant turn left on Kirk, then  
Turn Right on S. Jackson, then go to  
SE/NE turn R. go to ↵ TAKE R. well 4th  
drive down. # 150003-03

*Crystal Springs*

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW WATER FROM THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI FOR BENEFICIAL USE

**RECEIVED**

FEB 23 1996

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. 6-25-96 AGN Dept. of Environmental Quality  
FORM Office of Land and Water Resources

Issued: <u>4-8-86</u>	Expires: <u>4-8-2006</u>	Fee Paid:	Permit No.
Lat. <u>31-58-53</u>	Long. <u>90-21-38</u>	Elev. <u>459</u>	USGS No.
Quad. <u>Crystal Springs</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>CTHL</u>	Tract No.		Basin No. <u>03180002</u>
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-6W-02268

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: City of Crystal Springs 646000304  
(Name) (SSN or Tax ID No.)

210 East Railroad Ave. P.O. Box 473  
(Address)

Crystal Springs Miss. 39059 (601) 892-1210  
(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):

NE 1/4 of the SW 1/4 of Section 25, Township 2N, 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: 300' Miocene CTHL MISSISSIPPI DEPARTMENT OF HEALTH NO.: 150003-04

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.

If well has already been drilled, when was well completed (date)? June, 1973. Under whose name was well originally drilled (if known)? Guines Drilling Service

3. Description of proposed or completed well:

- (a) DEPTH OF WELL: 342' feet. DRILLER: Guines Drilling Service
- (b) SURFACE CASING: Length 292 feet; Diameter 12" inches; Type Welded Black Steel
- (c) SCREEN: Length 26' feet; Diameter 8" inches; Type Stainless Wire Wraps
- (d) PUMP: Type Submersible; Size 8"; Capacity 220 gallons per minute; Setting depth 298'3" feet
- (e) POWER UNIT: Type U.S. Motor Hollowshaft; Size 25 horsepower

4. PERMITTED VOLUME:

- (a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute
- (b) 37,750 .08 million gallons per day at a maximum rate of 174 gallons per minute

(CONTINUED ON BACK)

.08

220  
South Lam Plant # 3

**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 Sorgum \_\_\_\_\_; 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? \_\_\_\_\_
- MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**  
Chose "a" or "b". (a) The number of people served is 6342 or (b) The number of connections is 2114  
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?  

<u>41525 GPD</u>	<u>2001</u>	<u>45677 GPD</u>	<u>2006</u>	<u>50245 GPD</u>	<u>2011</u>	<u>55269 GPD</u>	<u>2016</u>
(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 \_\_\_\_\_  
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? \_\_\_\_\_
- 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.

Robert J. Sims  
(Name)  
3411 W.R.R. Ave P.O. Box 151  
(Address)  
Crystal Springs, Miss. 39059  
(City, State, Zip)  
601-892-4111  
(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. Sims  
(Signature)

Subscribed and sworn to before me this 12<sup>th</sup> day of FEBRUARY 1996, at 9:59 County of COPIAH  
My commission expires \_\_\_\_\_  
Linda L. Coster Notary Public

MISSISSIPPI STATEWIDE NOTARY SERVICE  
MY COMMISSION EXPIRES AUG. 18, 1998  
BONDED THRU STEGALL NOTARY SERVICE

EXISTING TANK LOCATION MAP AND WELL

SOUTH GEM

MIDDLE GEM

NORTH GEM

OSBORNE STREET

WEST RAILROAD

WELL NAMES

**A**  
**B**  
**C**  
**D**  
**E**  
**F**

