

Coded By 291
Checked By 9-26-91
Entered By 158-79-91
Date

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. _____
County COPIAH
Agency _____
Well No. D100

WELL RECORD

Agency Code <u>U S G S</u>	Site Id <u>131585509021144011</u>	Project No. <u>5</u>
Station Name <u>12 DIVISION CRYSTAL SPRINGS</u>	Latitude <u>9315855</u>	Longitude <u>1009021144</u>
Lat/Long Ac. <u>11 SF TM</u>	Dist <u>6=28</u>	State <u>7=28</u>
County <u>8=0291</u>	NE Land Net <u>13 NWSW 125T 02N R 02W</u>	
Location Map <u>14 CRYSTAL SPRINGS</u>	Altitude <u>453</u> Met/Meas <u>16=463T</u>	Accuracy <u>17= A L M</u>
		Hydrologic Unit <u>20=1031181010121</u>

Agency Use <u>803 A I O</u>	Date Inventoried <u>711</u>	Station Type <u>4</u>	Data Type <u>804</u>
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Instru. <u>805</u>	Remarks <u>806</u>	Relia. <u>3= C L M U</u>	<u>2= W X</u>
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Date of Construction <u>21=04/115/119911</u>	MU Well Use <u>23= W</u>	Water Use <u>24= P</u>	Primary Aquifer <u>714= 121 GRNLI</u>	Hole Depth <u>27= 11581</u>
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Well Depth <u>28= 1128</u>	Water Level <u>30= 15671</u>	Water Level Date <u>31= 04/115/119911</u>	Method <u>34=</u>	Status <u>37=</u>	Source <u>33= D</u>
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CONSTRUCTION DATA

R=58	T=A	723#1	Construction Date <u>60= 04/115/119911</u>	Contractor <u>63= 11814</u>	Name <u>GRINER</u>	Method <u>65= R</u>	Finish <u>66= 61</u>
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CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	Top/Casing <u>77= 1101</u>	Bot/Casing <u>78= 1165</u>	Diameter <u>79= 1161</u>
R=76	T=A	725#2	59#1	Top/Casing <u>77= 1101</u>	Bot/Casing <u>78= 11671</u>	Diameter <u>79= 1101</u>

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	Top/Depth <u>83= 11671</u>	Bot/Depth <u>84= 11071</u>	Diameter <u>87= 1101</u>	Type <u>85= S</u>	Length <u>89=</u>	Width <u>88= 10210</u>
R=82	T=A	726#2	59#1	Top/Depth <u>83=</u>	Bot/Depth <u>84=</u>	Diameter <u>87=</u>	Type <u>85=</u>	Length <u>89=</u>	Width <u>88=</u>

CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type <u>43= T</u>	Date <u>38= 04/115/119911</u>	Intake <u>44= 11281</u>	
Power <u>45= 4</u>	H.P. <u>46= 1101</u>	Serial No. <u>49=</u>				

MISCELLANEOUS OWNER DATA

R=158	T=A	718#1	159#1	Date of Ownership <u>159= 04/115/119911</u>	Owner Name <u>161 CRYSTAL SPRINGS</u>
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MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	E-Log No. <u>190=</u>	Assigner <u>191= M I S S I D I S I T</u>	<u>6/15/94</u> <u>LAR/DRB</u>
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MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement	1934 / / / / / / / / *	Aquifer Sampled	195 / / / / / / / / *	Temp	196#00010	Value	197 / / / / / / / / *
R=192	T=A	738#2	Date of Measurement	1934 / / / / / / / / *	Aquifer Sampled	195 / / / / / / / / *	Sp Cond	196#00095	Value	197 / / / / / / / / *
R=192	T=A	738#3	Date of Measurement	1934 / / / / / / / / *	Aquifer Sampled	195 / / / / / / / / *	pH	196#00400	Value	197 / / / / / / / / *

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type	1994 *	Beg. Depth	200 / / / / / / / / *	End Depth	201 / / / / / / / / *
R=198	T=A	739#1	Log Type	1994 *	Beg. Depth	200 / / / / / / / / *	End Depth	201 / / 158 / / / / *

MISCELLANEOUS NETWORK DATA *706 = QW WL WD **

R=114	T=A	730#1	Req. Year	1154 / / 9 / / / *	End Year	1164 / / 9 / / / *	Agency Source	120=A	117# / / / / / / / / *	Freq.	118# / / / *
R=121	T=A	730#2	Req. Year	1154 / / 9 / / / *	End Year	1164 / / 9 / / / *	Agency Source	117# / / / / / / / / *	Freq.	118# / / / *	

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	184 / / / / / / / / *	Remarks	185 / / / / / / / / *
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DISCHARGE DATA

R=146	T=A	Pump/Flow	147#1	Date	148 / / 04 / / 15 / / 19 / / 11 / / *	Type	703 (P) #	Discharge	150 / / 12 / 65 / / *	Sp. Capacity	272 / / 129 / / 10 / / *
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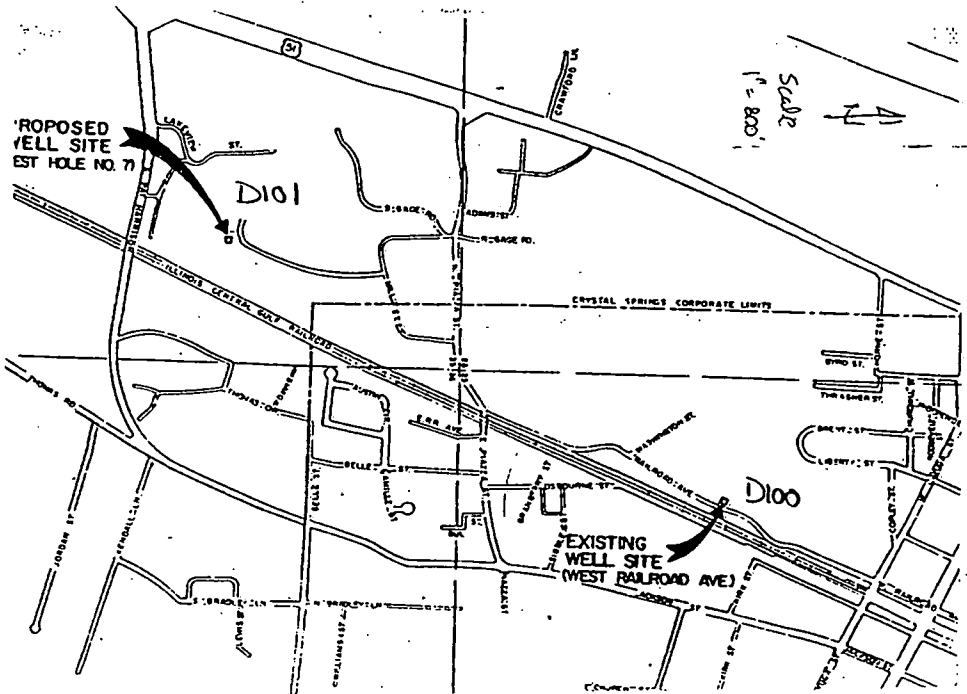
GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	91 / / 5 / 7 / / *	Depth Bot.	92 / / 10 / 7 / / *	Unit Id	93 / / 12 / 1 / CR / N / 4 / / *	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100 / / / / / / / / *	103 / / / / / / / / *
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West R.R. Ave Well



MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
Bureau of Land and Water Resources

P.O. Box 10631
Jackson, Mississippi 39209
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED COPIAH		PERMIT NUMBER GW-13121
WELL NUMBER WEST P.R. AVE	CODED <input checked="" type="checkbox"/>	NAME OF DRILLING FIRM KRINER DRILLING SERVICE
D 100		
DATE WELL COMPLETED APR 91		

NAME & MAILING ADDRESS OF LANDOWNER CITY OF CRYSTAL SPRINGS - WEST RAILROAD			
AVE WELL			
WELL LOCATION: SAY. SE 1/4 NW 1/4	SEC 25	TOWNSHIP T2 N	RANGE R2 E
DISTANCE	DIRECTION	NEAREST TOWN	
OTHER LANDMARK			
WELL PURPOSE: Home, Irrigation, <u>Municipal</u> , Industrial, Fish Pond, etc.			

PUMP DATA			
PUMP TYPE (Circle One): Submersible, <u>Turbine</u> , Jet, Flowing Well, Other (Describe)			
POWER TYPE (Circle One): <u>Electric</u> , Tractor, Diesel, Gasoline, Butane, Other (Describe) H/P			
Pump Capacity (GPM) 265	No. of Stages 1	Setting Depth 128 1/4 FT.	
PUMP TEST			
Well yielded 265 GPM with a drawdown of 9.11 ft. after 24 hours of pumping			

WELL DATA		
Well Depth 107 ft	Casing Diameter (In.) 16	Casing Length (Ft.) 65
Type of Casing STEEL	Hole Depth 158 ft	Depth to Static Water Level 56.67 ft
TYPE OF COMPLETION: (Circle One or More): <u>Gravel Packed</u> , <u>Underreamed</u> , Telescoped, Natural Development, Open Hole, Other		
Top of Lap Pipe or Reduction in Casing 76.37 FEET		
IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE		

LOG DATA	
TYPE OF LOG RUN (Circle One): <u>Electric</u> , <u>Gamma Ray</u> , Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log KRINER DRILLING SERVICE	

SCREEN DATA		
Diameter - Inches 10	Length - Feet 30	Slot Size - Inches .020
Screen Type WIRE WOUND	Depth to Bottom - Feet 107	

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test
Driller's Remarks: 20 ft. SUMP BELOW SCREEN 10" LAP PIPE TO TWO FEET ABOVE			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
GRAVEL	0	26	RECEIVED MAY 21 1991 Dept. of Environmental Quality Bureau of Land & Water Resources		
GRAVEL & SAND	26	40			
GRAVEL	40	60			
GRAVEL & SAND & CLAY	60	80			
SAND & GRAVEL	80	100			
ROCK & CLAY	100	140			
CLAY	140	158			

IF MORE SPACE IS NEEDED, USE BACK

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG



USER NAME(S): LOR/DAB DATE: 6/15/94

UNIT DEQ #: 82859 FILE #: A061716A

HEALTH DEPT. #: 150003-07 ELEV. 450

USGS #: D-100 OLWR #: 13121

OWNER: Crystal Springs Water Service

LOCATION: SE/NW/SW S 25 T 20 R 2W COUNTY: Copiah

LOCATION DESCRIPTION: W. Railroad Ave. 500' S. of water Dept.

CASING DIA: 8" PUMP TYPE & SIZE: Turbine/10

GPS FIELD LOCATION: LAT. 31-58-52 LONG. 90-21-58
31-58-921 N 90-21-691 W

GPS CORRECTED LOCATION: LAT. 31-58 56.270 LONG. 90 21 42.376
31.982297 90.361771

REMARKS: check with WATER Dept. for Key ORJAND help.

Crystal Springs Area

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

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 AEW

Dept. of Environmental Quality
Office of Land & Water Resources
FORM OL 03

Issued: 2-12-91	Expires: 4-8-2006	Fee Paid:	Permit No.
Lat. 31-58-55	Long. 90-21-42	Elev. 450	USGS No.
Quad. Crystal Springs	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: CRNL	Tract No.		Basin No. 03180003
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one) NEW PERMIT RENEWAL - PERMIT NO. GW-13121

THIS APPLICATION IS FOR (Circle one) GROUNDWATER - COMPLETE A,B,E LWM
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):

SW 1/4 of Section 25, Township 2N, Range R2W, 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.: 150003-07

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? April, 19 91. Under whose name was well originally drilled (if known)? Guines Drilling Service

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 107 feet. DRILLER: Guines Drilling Service
(b) SURFACE CASING: Length 65' feet; Diameter 16" inches; Type Welded Coated
(c) SCREEN: Length 30.63' feet; Diameter 10" inches; Type Wire Wound
(d) PUMP: Type Subline; Size 8"; Capacity 250 gallons per minute; Setting depth 123 1/2 feet
(e) POWER UNIT: Type U.S. Electrical Motors; Size 10 horsepower

4. PERMITTED VOLUME:
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) 897,820.11 million gallons per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK)

West Railroad Water Well

SECTION C (to be completed for SURFACE WATER SOURCE)

- 1. Source of water is from ... which drains into ...
2. Discription of pump/diversion works: Pump (size & type): ... Power Unit (size & type): ...
3. ... 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 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.
2. FISH CULTURE: Explain how water will be used: ...
3. 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?
4. INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year
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. Sims
(Name)
341 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 17th day of February, 1996, at 18.03 County of Copiah

My commission expires MISSISSIPPI STATEWIDE NOTARY PUBLIC MY COMMISSION EXPIRES AUG. 18, 1998 BONDED THRU STEGALL NOTARY SERVICE Linda Hester Notary Public.

