

Coded By 0291  
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 Date 8-14-91

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 MISSISSIPPI DISTRICT

E-Log No. 321  
 County COPIAH  
 Agency \_\_\_\_\_

Well No. D151

WELL RECORD

Agency Code U S G S Site Id 131581190902207011 Project No. 5

Station Name 12 D151 CRYSTAL SPRINGS Latitude 93158119 Longitude 1009022071

Lat/Long Ac. 11 S F T M Dist 6=28 State 7=28 County 8=0291 NW Land Net 13 SIENESIS351T02W1R1012W

Location Map 14 CRYSTAL SPRING Altitude 164601 Met/Meas 17 A L M Accuracy 18 15 Hydrologic Unit 20 031181909031

Agency Use 803 A I O Date Inventoried 711 Station Type 4 Data Type 804

Instru. 805 Remarks 806 Relia. 3 C L M U 2 W X

Date of Construction 21 03/11/1991 Well Use 23 W Water Use 24 P Primary Aquifer 714 121 CRNW Hole Depth 27 11601

Well Depth 28 11371 Water Level 30 17815 Water Level Date 31 04/20/1991 Method 34 Status 37 Source 33 D

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date 60 04/20/1991 Contractor 63 184 Name GRINER Method 65 R Finish 66 01

CONSTRUCTION CASING DATA

R	T	Top/Casing	Bot/Casing	Diameter
76	A	725#1 59#1 77 1101	78 1175	79 1161
76	A	725#2 59#1 77 1101	78 1185	79 1101

CONSTRUCTION OPENINGS DATA

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
82	A	726#1 59#1 83 1185	84 11371	87 1101	85 S	89	88 11201
82	A	726#2 59#1 83	84	87	85	89	88

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 T Date 38 04/20/1991 Intake 44 1154

Power 45 4 H.P. 46 115 Serial No. 49

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 159#1 Date of Ownership 04/20/1991 Owner Name 161 CRYSTAL SPRINGS

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No. 190 3211 Assigner 191 M I S S I D I S T

MISCELLANEOUS QW DATA

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

MISCELLANEOUS LOGS DATA

R=	T=A	Well #	Log Type	Req. Depth	End Depth
198	A	739#1	199#E	200 / / / / / / / /	201 / / / / / / / /
198	A	739#1	199#D	200 / / / / / / / /	201 / / / / / / / /

MISCELLANEOUS NETWORK DATA *706 = QW WL WD \**

R=	T=A	Well #	Req. Year	End Year	Agency Source	Freq.
114	A	730#1	115 / / / / / / / /	116 / / / / / / / /	120=A	117# / / / / / / / /
121	A	730#2	115 / / / / / / / /	116 / / / / / / / /	117# / / / / / / / /	118# / / / / / / / /

MISCELLANEOUS REMARKS DATA

R=	T=A	Well #	Date of Remarks	Remarks
183	A	311#1	184 / / / / / / / /	185 / / / / / / / /

DISCHARGE DATA

R=	T=A	Pump/Flow	Well #	Date	Type	Discharge	Sp. Capacity
146	A		147#1	148 04 / 20 / 11 19 11	703=P	150 / / / / / / / /	272 / / / / / / / /

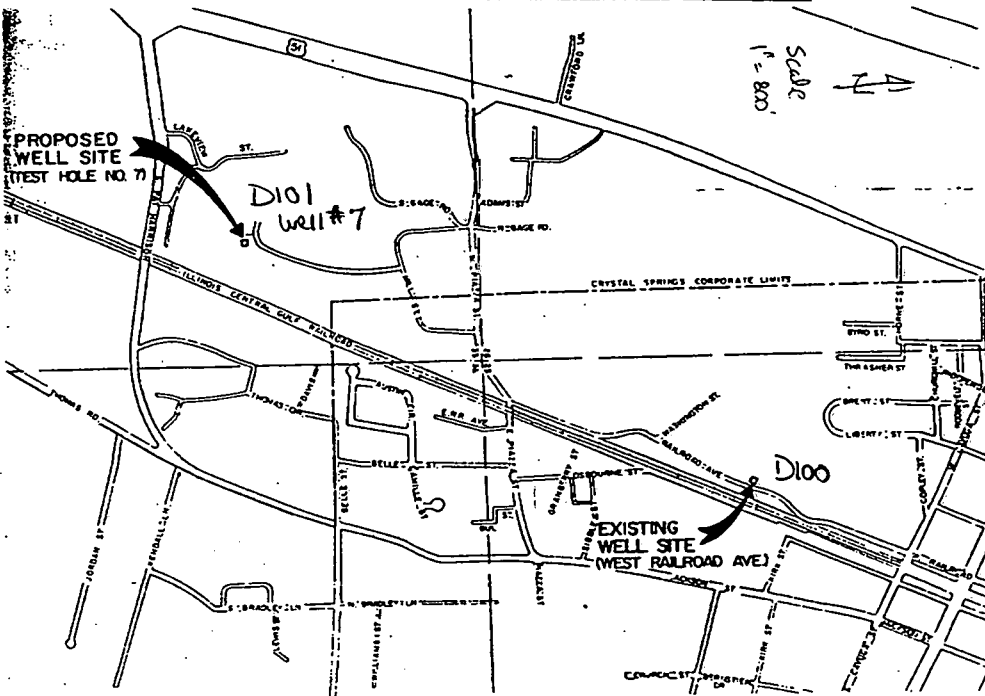
GEOHYDROLOGIC DATA

R=	T=A	Well #	Depth Top	Depth Bot.	Unit Id
90	A	721#1	91 / / / / / / / /	92 / / / / / / / /	93 / / / / / / / /

HYDRAULIC DATA

R=	T=A	Well #	Unit Tested
98	A	790#1	100 / / / / / / / /

Well #7



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

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

UNIT DEQ #: 82859 FILE #: A061716B

HEALTH DEPT. #: 150003-08 ELEV. 430

USGS #: 58 D-101 OLWR #: 13/20

OWNER: Crystal Springs Water Service

LOCATION: SW/SE/NE S 35 T 20 R 2W COUNTY: COPIAH

LOCATION DESCRIPTION: well located in curve of Lincoln Street .2 mile after turning off Mill St.

CASING DIA: 16" PUMP TYPE & SIZE: Turbine 1/15

GPS FIELD LOCATION: LAT. 31-58-05 LONG. 90-21-59  
31-58-271 N 90-22-104 W

GPS CORRECTED LOCATION: LAT. 31.5816745 LONG. 90.2207311  
31.971318 90.368698

REMARKS: Well. Poured in, next to house trailer where a house is being built. Gravel drive, lots of pine trees in front of or beside house + trailer. Facing N. there is a house cream yellow red roof, two story on west side of Lincoln. Standing beside pump.

Crystal Springs Creek

RECEIVED

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

FEB 23 1995

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5392

This box is for office use only. 6-25-96 AGW. Dept of Environmental Quality Office of Land & Water Resources FORM OEWIC-A-2 (REV. 9/94)

Table with 4 columns: Issued, Expires, Fee Paid, Permit No.; Lat, Long, Elev, USGS No.; Quad, ASCS Farm No, STAC, MSDOH No.; Aquifer, Tract No, Basin No, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. GW-13120

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)

MAP SENT

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application): NE 1/4 of the NE 1/4 of Section 35, Township 22N, 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: U/Miocene CRNL MISSISSIPPI DEPARTMENT OF HEALTH NO.: 150003-08

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 2, 1991. Under whose name was well originally drilled (if known)? Miner Drilling Service

3. Description of proposed or completed well: (a) DEPTH OF WELL: 80 feet. DRILLER: Miner Drilling Service (b) SURFACE CASING: Length 75 feet; Diameter 16 inches; Type Welded Coated (c) SCREEN: Length 51'9" feet; Diameter 10 inches; Type Welded Coated (d) PUMP: Type Subline; Size 8"; Capacity 300 gallons per minute; Setting depth 154 1/2 feet (e) POWER UNIT: Type U.S. Electrical Motors; Size 15 horsepower

4. PERMITTED VOLUME: (a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute (b) 174,650 .14 million gallons per day at a maximum rate of 300 gallons per minute

(CONTINUED ON BACK)

Lincoln St. Water Well

**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? \_\_\_\_\_
- 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>193,115 GPD</u>	<u>2001</u>	<u>2,113,226 GPD</u>	<u>2006</u>	<u>232,459 GPD</u>	<u>2011</u>	<u>255,705</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)

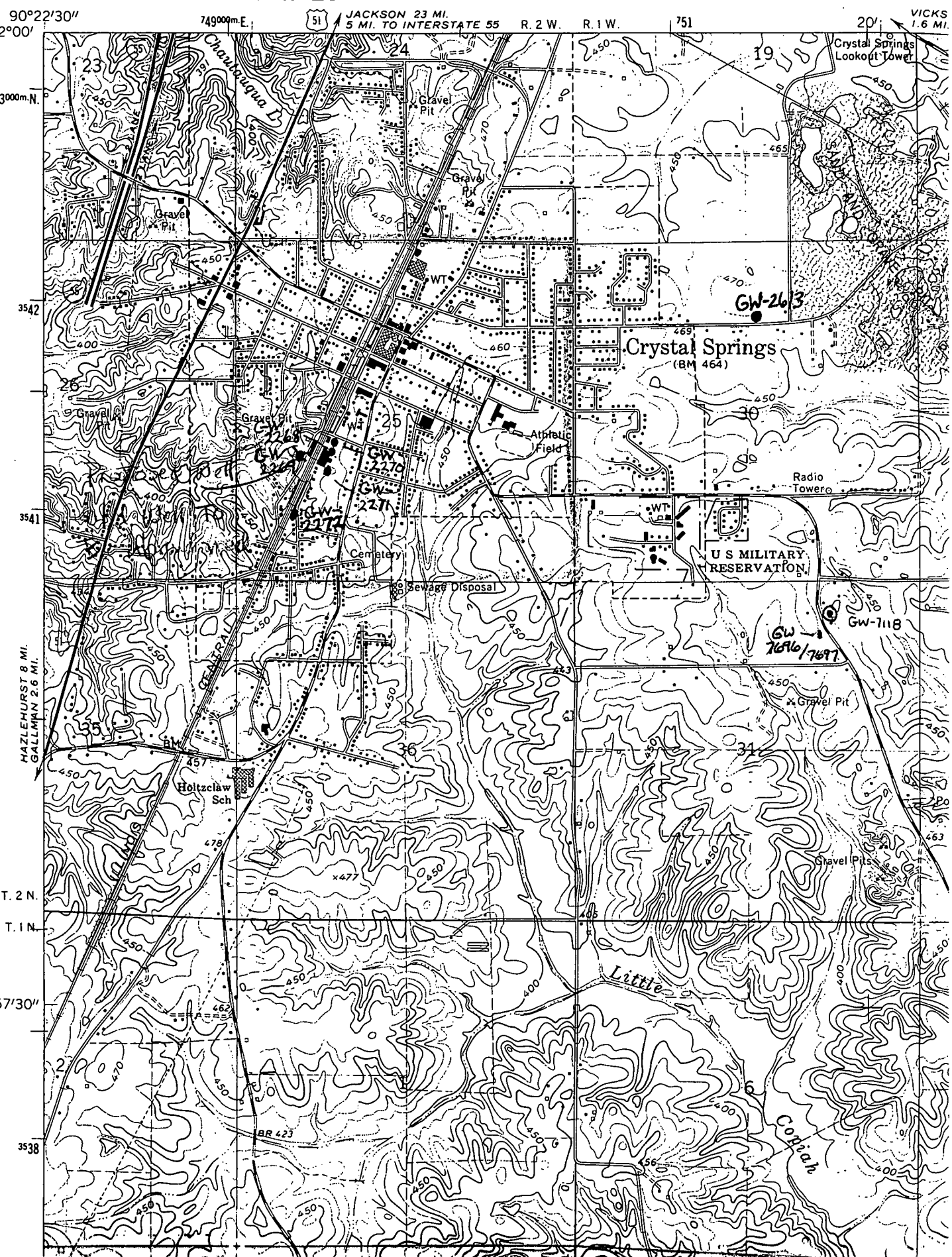
The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Robert J. Sims  
(Signature)

Subscribed and sworn to before me this 17<sup>th</sup> day of FEBRUARY 1996 at 10:04 County of Copiah

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



2948 (11 500)  
TERRY 1:62 500

90°22'30"  
32°00'

749000m.E.

JACKSON 23 MI.  
5 MI. TO INTERSTATE 55

R. 2 W. R. 1 W.

751

20' VICKS  
1.6 MI.

3543000m.N.

3542

3541

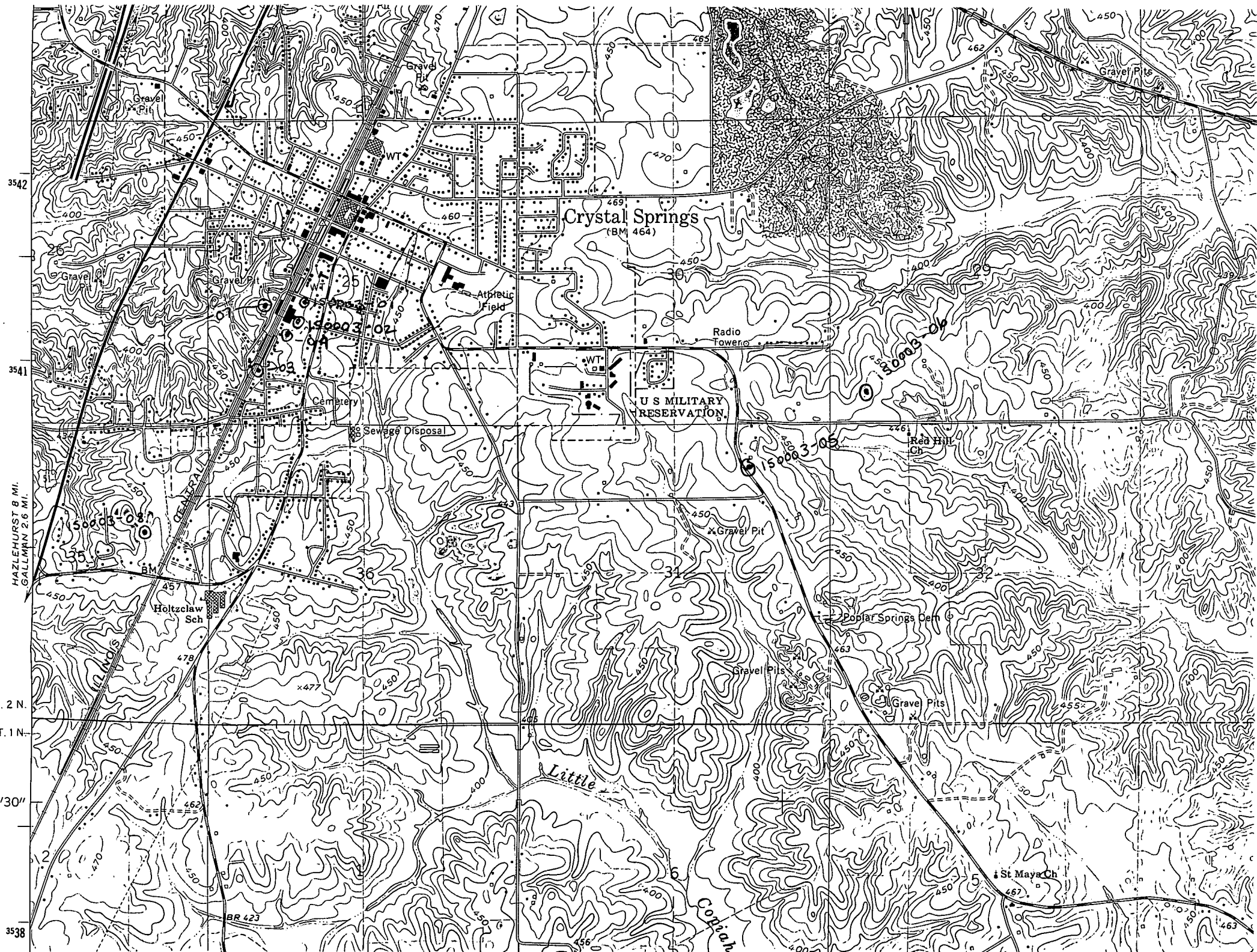
HAZLEHURST 8 MI.  
GALLMAN 2.6 MI.

T. 2 N.

T. 1 N.

57'30"

3538



HAZLEHURST 8 MI.  
GALLMAN 2.6 MI.

2 N  
1 N  
30 N  
3538

Crystal Springs  
(BM 464)

U.S. MILITARY  
RESERVATION

Little

St. Maya Ch

Holtzclaw Sch

Cordian

Poplar Springs Dam

Red Hill Ch

Radio Tower

Athletic Field

Sewage Disposal

Cemetery

Gravel Pit

Gravel Pits

Gravel Pits

Gravel Pit

3542

3541

2 N

1 N

30 N

3538