

Coded By 0793  
 Checked By 9/22/93  
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 Date 02-93

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 MISSISSIPPI DISTRICT

E-Log No. 328  
 County COPIAH  
 Agency COPIAH

Well No. P77  
268C

WELL RECORD

Agency Code U S G S Site Id 1315125091023381011 Project No. 5111111111

Station Name 12 P1077 HAZLEHURST Latitude 9315125 Longitude 10091023381

Lat/Long Ac. 11 S O T M Dist 6=28 State 7=28 County SW SE NW and Net ✓ ✓

Location Map 14 HAZLEHURST Altitude 450 Met/Meas 17 A L M Accuracy 18 15 Hydrologic Unit 20 103118190431

Agency Use 803 A I D Date Inventoried 711 / / Station Type 4 Y Data Type 804

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

Date of Construction M U Well Use 23 W Water Use 24 P Primary Aquifer M O C N Hole Depth 27 3101

Well Depth 28 2801 Water Level 30 178 Water Level Date 31 101 / 13 / 1993 Method 34 Status 37 Source 33 D

CONSTRUCTION DATA

Construction Date 60 10 / 13 / 1993 Contractor 63 06 H Name LAYNE Method 65 H Finish 66 6

CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	77 119	78 1235	79 118
R=76	T=A	725#2	59#1	77 1235	78 12401	79 112

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	83 24101	84 128101	87 112	85 S	89	88 102151
R=82	T=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 10 / 13 / 1993 Intake 44

Power 45 E H.P. 46 1501 Serial No. 49

3/19/02 RLB/DC

MISCELLANEOUS OWNER DATA

Date of Ownership 159 10 / 13 / 1993 Owner Name 161 HAZLEHURST

MISCELLANEOUS OTHER ID DATA

E-Log No. 190 31281 Assigner 191 M I S S I O I S T

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934	Aquifer Sampled 1954	Temp 196#00010	Value 1974
R=192	T=A	738#2	Date of Measurement 1934	Aquifer Sampled 1954	Sp Cond 196#00095	Value 1974
R=192	T=A	738#3	Date of Measurement 1934	Aquifer Sampled 1954	pH 196#00040	Value 1974

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#F	Req. Depth 2004   1610	End Depth 2014   3110
R=198	T=A	739#1	Log Type 199#D	Req. Depth 2004     10	End Depth 2014   3010

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

R=114	T=A	730#1	Beg. Year 1154   11   11	End Year 1164   11   11	Agency Source 120=A* 117#	Freq. 1184
R=121	T=A	730#2	Beg. Year 1154   11   11	End Year 1164   11   11	Agency Source 117#	Freq. 1184

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 1844   11   01   11   31   11   19   11   31	Remarks 1854 MSGW 8205
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 1484   11   01   11   31   11   19   11   31	Type 703#P	Discharge 1504   435	Sp. Capacity 2724   11   11   17
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 914   12   31   21	Depth Bot. 924   12   81   01	Unit Id 934   12   12   K   17   11   11   14	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 1004	1034
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53'dd

37'dd @ 435gpm

11/16/93 -  
34'DD @ 4446PM 10#

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Sand gravel clay	0'	15'
Clay sand	15'	65'
Blue clay	65'	135'
fine white sand	135'	175'
Sandy blue clay	175'	230'
Coarse sand	230'	280'
Blue clay	280'	300'

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
Bureau of Land and Water Resources

P. O. Box 10631  
Jackson, MS 39289-0631  
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED <b>COPIAH</b>	
WELL NUMBER <b>P 77</b>	CODED <input checked="" type="checkbox"/>
DATE WELL COMPLETED <b>10-13-93</b>	
PERMIT NUMBER <b>MSBW 8205</b>	
NAME OF DRILLING FIRM <b>Layne-Central Co. A</b>	
Division of Layne, Inc.	

NAME & MAILING ADDRESS OF LANDOWNER <b>City of Hazehurst</b>		
<b>209 South Extension ST.</b>		
<b>Hazehurst, MS 39083</b>		
WELL LOCATION: SEC	TOWNSHIP	RANGE
<b>NW 1/4</b>	<b>10 10</b>	<b>S 8 W</b>
DISTANCE	DIRECTION	NEAREST TOWN
<b>60±</b>	<b>East</b>	<b>ICG Rail-ROAD TRACKS</b>
OTHER LANDMARK		
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <b>Municipal</b>		

PUMP DATA		
PUMP TYPE (Circle One): Submersible, <b>Turbine</b> , Jet, Flowing Well, Other (Describe)		
POWER TYPE (Circle One): <b>Electric</b> , Tractor, Diesel, Gasoline, Butane, Other (Describe) H/P <b>50</b>		
Pump Capacity (GPM) <b>435</b>	No. of Stages <b>7</b>	Setting Depth <b>307</b> FT.
PUMP TEST		
Well yielded <b>435</b> GPM with a drawdown of <b>37</b> ft. after <b>24</b> hours of pumping		

WELL DATA		
Well Depth <b>310'</b>	Casing Diameter (In.) <b>18"</b>	Casing Length (Ft.) <b>235'</b>
Type of Casing <b>Steel</b>	Hole Depth <b>310'</b>	Depth to Static Water Level <b>182' (G.L.)</b>
TYPE OF COMPLETION: (Circle One or More): <b>Gravel Packed</b> , Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe)		
Top of Lap Pipe or Reduction in Casing <b>235 FEET</b> IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE		

LOG DATA	
TYPE OF LOG RUN (Circle One): <b>Electric</b> , <b>Gamma Ray</b> , Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log <b>Layne-Central Co. - Jackson</b>	

SCREEN DATA		
Diameter - Inches <b>12"</b>	Length - Feet <b>40'</b>	Slot Size - Inches <b>0.025</b>
Screen Type <b>Stainless/Steel</b>	Depth to Bottom - Feet <b>310' 280'</b>	

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test
Driller's Remarks <b>310' is bottom of 30' Pump Can</b> <b>Screen Set 240'-280'</b>			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
<b>SAND, Gravel &amp; Clay</b>	<b>0'</b>	<b>35'</b>	<b>RECEIVED</b> <b>NOV 01 1993</b> Dept. of Environmental Quality Office of Land & Water Resources		
<b>Clay &amp; SAND</b>	<b>35'</b>	<b>65'</b>			
<b>Blue clay</b>	<b>65'</b>	<b>135'</b>			
<b>Fine white SAND</b>	<b>135'</b>	<b>185'</b>			
<b>Sandy Blue clay</b>	<b>185'</b>	<b>232'</b>			
<b>Course SAND</b>	<b>232'</b>	<b>280'</b>			
<b>Blue clay</b>	<b>280'</b>	<b>300'</b>			

IF MORE SPACE IS NEEDED, USE BACK

9-14-93

MOCN LAM

977

Issued: <u>8000000</u>	Expires: <u>9-14-2003</u>	Fee Paid: <u>X</u>	Permit No. <u>GW-14680</u>
Lat <u>31-51-26</u>	Long <u>90-23-38</u>	Flow <u>415</u>	USGS No.
Quad <u>HAZLEHURST</u>	Dist		Basin No. <u>03180003</u>
STAC			Dam inv. No.
			Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39289-0631

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



JUL 05 1993

This application is for (circle one): GROUNDWATER SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial  
Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby  
Fire Protection Flood Protection Other: \_\_\_\_\_

Dept. of Environmental Quality  
Office of Land & Water Resources

**LANDOWNER:**

City of Hazlehurst 64-6000437  
(Name) (S/S or Tax ID No.)

P.O. Box 549  
(Address)

Hazlehurst, Miss 39083 (601) 894-3131  
(City) (State and Zip) (Telephone Number)

HD # 150007-10

Johnny Tamm  
894 2261

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

Same as above  
(Name) (S/S or Tax ID No.)

(Address)

(City) (State and Zip) (Telephone Number)

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

NW 1/4 of the NW 1/4 of Section 10, Township 10N, Range 8E, County Copiah

**Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):**

(a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

(b) 0.58 million gallons per day at a maximum rate of 400 gallons per minute

(c) \_\_\_\_\_ acre feet of storage at normal pool

(d) \_\_\_\_\_ per \_\_\_\_\_ at a maximum rate of \_\_\_\_\_

Construction of proposed work will begin on (date) July 6, 1993 and will be completed by (date) Oct. 6, 1993.

Water will be used from (month) January to (month) December each year.

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 numbers.

Existing well (PWS # 150007, Copiah County) to be abandoned GW 8205

**SECTION A (to be completed if application is for surface water source) N/A**

1. Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_ which drains into \_\_\_\_\_

2. Description of pump/diversion works:  
(a) Pump (size and type): \_\_\_\_\_ Power Unit (size and type): \_\_\_\_\_

Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute.

(b) Name of storage reservoir: \_\_\_\_\_ Dam height: \_\_\_\_\_ feet.

Surface area at normal pool: \_\_\_\_\_ acres. Storage capacity at normal pool: \_\_\_\_\_ acre-feet.

(Continued on back)

SECTION B (to be completed if application is for groundwater source)

1. Source of water is Catahoula aquifer.
2. Description of proposed water well:
- (a) DEPTH OF WELL: 340' feet. DRILLER (name): Layne-Central Company, Inc.
- (b) SURFACE CASING: Length:  $\pm$  290 feet. Diameter: 18" inches. Type: Steel
- (c) SCREEN: Length: 50' Min. feet. Diameter: 12" inches. Type: Stainless Steel
- (d) PUMP: Type: Vertical Turbine. Size:  $\pm$  8". Capacity: 400 gallons per minute.  
 Number of stages: unknown Setting depth: 280'  $\pm$  feet.
- (e) POWER UNIT: Type: electric motor. Size:  $\pm$  25 horsepower.
- (f) TYPE OF COMPLETION: gravel well with cemented well casing

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SEC-TION	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Soybeans \_\_\_\_\_; Corn \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Oats \_\_\_\_\_; Grain sorghum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres \_\_\_\_\_

2. FISH CULTURE: Explain how water will be used: \_\_\_\_\_  
 How often will reservoir(s) be emptied and refilled? \_\_\_\_\_

3. MUNICIPAL or WATER ASSOCIATION  
 Choose "a" or "b". (a) The number of people served is 4,221. (b) The number of connections/customers is 1,825.  
 What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years? 1.1 MGD 1998 1.2 MGD 2003; 1.2 MGD 2008; 1.3 MGD 2013  
 (Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)

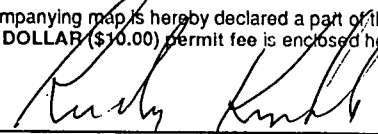
4. INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year N/A.  
 Rate of release \_\_\_\_\_; Location of release point in reference to diversion/withdrawal point \_\_\_\_\_  
 \_\_\_\_\_; Explain any change in quality of water to be released: \_\_\_\_\_  
 NPDES Permit No. \_\_\_\_\_  
 Explain how water will be used: \_\_\_\_\_  
 How much groundwater will be used for once-through non-contact cooling? \_\_\_\_\_

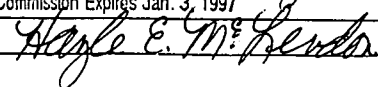
5. RECREATION: Explain how water will be used: N/A

6. OTHER use: Explain in detail: N/A

REMARKS: \_\_\_\_\_

List below the person to be contacted for additional information if required:  
 (Name) \_\_\_\_\_  
 (Address) \_\_\_\_\_  
 (City, State, Zip) \_\_\_\_\_  
 (Telephone) \_\_\_\_\_

The accompanying maps hereby declared a part of this application. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.  
  
 \_\_\_\_\_  
 (Signature)

Subscribed and sworn to before me this 2nd day of July 1993 at Hopkeworth, Mo  
 County of Copiah. My commission expires Jan. 3, 1997  
  
 \_\_\_\_\_  
 Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR ✓  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAK/DAB DATE: 6/16/94  
UNIT DEQ #: 82859 FILE #: AD61614M  
HEALTH DEPT. #: 150007-10 ELEV. 420  
USGS #: P-77 OLWR #: GW-14680  
OWNER: Hartshurst Water <sup>Dept</sup> Service  
LOCATION: NE/SW/NW S 10 T 10N R 8E COUNTY: Copiah  
LOCATION DESCRIPTION: well behind water PLANT on Montecello  
St. on Front St.  
CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine / 50  
GPS FIELD LOCATION: LAT. 31-50-51 LONG. 90-23-42  
GPS CORRECTED LOCATION: LAT. 31 51 24.862 LONG. 90 23 39.266  
REMARKS: <sup>wells</sup> 1-4 in downtown AREA, go past wells 02+04  
on Front go across R.R. turn R. on Montecello  
this well took the place of AB well-01

*Hartshurst*

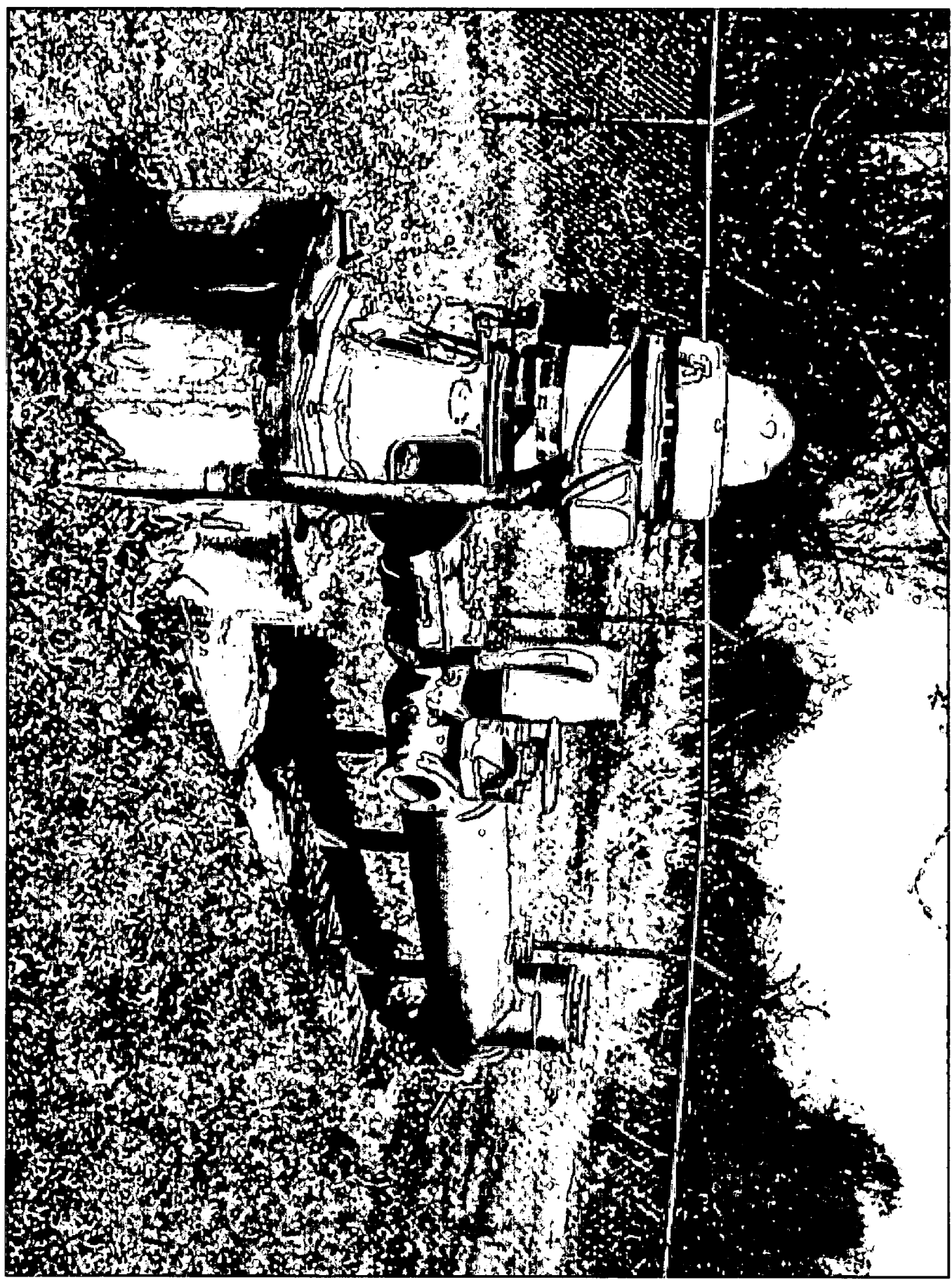
Redone 3/19/02 RLB/DC

31.85686 90.39445

3/2002

31.85484 / 90.39425

150007-10, 6W-14680, P077



HAZLEHURST QUADRANGLE  
MISSISSIPPI-COPIAH CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

2947 IV NE  
(CRYSTAL SPRINGS)

