

Coded By 0692  
 Checked By 06/30/93  
 Entered By 06/23  
 Date 06/23

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 MISSISSIPPI DISTRICT

E-Log No. 324  
 County COPIAH  
 Agency

Well No. P76

WELL RECORD

Agency Code U S G S Site Id 131511709020471011 Project No. 5

Station Name 12 P076 HAZLEHURST Latitude 9 31 51 11 71 Longitude 10 09 10 21 04 71

Lat/Long Ac. 11 S F T M Dist 6=28 State 7=28 County 8=029 SE SW Land Net 13 NENE S 112 T 10 N R 10 8 E

Location Map 14 SHADY GROVE Altitude 16 4 20 Met/Meas 17 A L M Accuracy 18 1 101 Hydrologic Unit 20 031 8010103

268D

Agency Use 803 A 1 0 Date Inventoried 711 06 / 25 / 1992 Station Type Y Data Type 804

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

Date of Construction 21 06 / 25 / 1992 MU Well Use 23 W Water Use 24 P Primary Aquifer 714 1 22 R T H MOCN Hole Depth 27 38 6

Well Depth 28 33 1 Water Level 30 1 43 Water Level Date 31 10 / 28 / 1992 Method 34 Status 37 Source 33 D

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date 60 10 / 28 / 1992 Contractor 63 4 55 Name Herndon Method 65 H Finish 66 G

CONSTRUCTION CASING DATA

R	T	Top/Casing	Bot/Casing	Diameter
<u>76</u>	<u>A</u>	<u>725#1 59#1</u>	<u>77 1 01</u>	<u>78 1270 79 116</u>
<u>76</u>	<u>A</u>	<u>725#2 59#1</u>	<u>77 219</u>	<u>78 1270 79 119</u>

CONSTRUCTION OPENINGS DATA

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
<u>82</u>	<u>A</u>	<u>726#1 59#1</u>	<u>83 2170</u>	<u>84 331</u>	<u>87 110</u>	<u>85 S</u>	<u>89 88</u>
<u>82</u>	<u>A</u>	<u>726#2 59#1</u>	<u>83</u>	<u>84</u>	<u>87</u>	<u>85</u>	<u>89 88</u>

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 T Date 38 10 / 28 / 1992 Intake 44 1225

Power 45 E H.P. 46 30 Serial No. 49

3/19/02 DC/RLB

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159 10 / 28 / 1992 Owner Name 161 HAZLEHURST

MISCELLANEOUS OTHER ID DATA

R=199 T=A 736#1 E-Log No. 190 324 Assigner 191 M I S S I S S I

MISCELLANEOUS QM 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                   .	So Cond 196#00095	Value 1974           .
R=192	T=A	738#3	Date of Measurement 1934     /     /           .	Aquifer Sampled 1954                   .	pH 196#00400	Value 1974           .

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E	Sec. Depth 200# 1100   .	End Depth 201# 386   .
R=198	T=A	739#1	Log Type 199#D	Sec. Depth 200# 1100   .	End Depth 201# 386   .

MISCELLANEOUS NETWORK DATA  $106 = Qw \quad wL \quad wD \quad *$

R=114	T=A	730#1	Sec. Year 115# 1 4     .	End Year 116# 1 4     .	Agency Source 120=A 117#         .	Freq. 118#   .
R=121	T=A	730#2	Sec. Year 115# 1 4     .	End Year 116# 1 4     .	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# 10 / 28 / 1994 .	Type 703# @ F	Discharge @ 18" 150# 150   0   0   .	Sp. Capacity 272# 125   17   .
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# 128   2   .	Depth Bot. 92# 134   0   .	Unit Id 93# 122 RTHL   .	304# P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100#               .	103#   .
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City well # 9 Shady Grove

34' dd @ 500 gpm  
19' dd @ 488 gpm @ 24 hrs = 25.7

MSBOW 150007-09

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Top Soil Brown Clay (Sandy)	0	8
Clay	8	22
Gravel	22	28
Clay (Sandy)	28	124
Sand	124	200
Clay with Sand	200	282
Sand	282	340
Grey Clay	340	386

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

WELL NUMBER # 5  
CODES P16 ✓

PERMIT NUMBER 14229

Shady Grove

NAME OF DRILLING FIRM  
Herndon Well & Supply

DATE WELL COMPLETED  
October 28, 1992

Pearl, MS

NAME & MAILING ADDRESS OF LANDOWNER  
City of Hazlehurst  
P. O. Box 551  
Hazlehurst, MS 39083

WELL LOCATION: SEC TOWNSHIP RANGE  
NE1/4 12 10 N S 8 W

DISTANCE DIRECTION NEAREST TOWN  
Miles of

OTHER LANDMARK  
Shady Grove Well Field

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

PUMP DATA

PUMP TYPE (Circle One):  
Submersible, Turbine, Jet, Flowing Well,  
Other (Describe)

POWER TYPE (Circle One):  
Electric, Tractor, Diesel, Gasoline, Butane,  
Other (Describe) 30 H/P 3 PH

Pump Capacity (GPM)	No. of Stages	Setting Depth
488	5	225 FT.

PUMP TEST  
Well yielded 488 GPM with  
a drawdown of 19 ft.  
after 24 hours of pumping

WELL DATA

Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
330.82	16	280
Type of Casing	Hole Depth	Depth to Static Water Level
Steel	330.82	143'

TYPE OF COMPLETION: (Circle One or More):  
Gravel Packed, Underreamed, Telescoped,  
Natural Development, Open Hole, Other  
(Describe)

Top of Lap Pipe or Reduction in Casing  
218.67 FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

LOG DATA

TYPE OF LOG RUN (Circle One):  
Electric, Gamma Ray, No Log Run,  
Density, Sonic, Neutron,  
Other (Describe)

Name of Organization Running Log

SCREEN DATA

Diameter - Inches	Length - Feet	Slot Size - Inches
10	61.33	.020
Screen Type	Depth to Bottom - Feet	
S.S.	330.82	

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

Driller's Remarks  
2 1/2" / 1"

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Top Soil					
Brown Clay (Sandy)	0	8			
Clay	8	22			
Gravel	22	28			
Clay (Sandy)	28	124			
Sand	124	200			
Clay with Sand	200	282			
Sand	282	340			
Grey Clay	340	386			

RECEIVED  
MAR 04 1993  
Dept. of Environmental Quality  
Office of Land & Water Resources

IF MORE SPACE IS NEEDED, USE BACK

SWB MOCN P76

Issued: <u>6-9-92</u> Expires: <u>6-9-2002</u>	Fee Paid <input checked="" type="checkbox"/>	Permit No. <u>GW-14229</u>
Lat <u>31 51 22</u> Long <u>90 20 55</u> Elev. <u>420</u>		USGS No. _____
Quad <u>SHADY GROVE</u> Dist _____		Basin No. _____
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 FROM THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

RECEIVED  
MAY 04 1992

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

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

**LANDOWNER:**

CITY OF HAZLEHURST, MISSISSIPPI 64-6000-437  
(Name) (S/S or Tax ID No.)  
P.O. BOX 549

HAZLEHURST MISSISSIPPI 39083 (601) 894-3131  
(City) (State and Zip) (Telephone Number)

AD # 150007-09

894-2261 (water dept)

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

SAME  
(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):**

SE 1/4 of the NE 1/4 of Section 12, 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) 0.21 ~~0.21~~ 444 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) MAY 4, 19 92 and will be completed by (date) JULY 31, 19 92.

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.

NOTE: THE CITY OF HAZLEHURST HAS OTHER WELLS IN THE AREA

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

1. Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_ 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 applicable for groundwater source) -- THIS DATA WILL BE COMPLETED & VERIFIED AFTER CONSTRUCTION OF THE WELL

- Source of water is \_\_\_\_\_ aquifer.
- Description of proposed water well:
  - DEPTH OF WELL: 400' feet. DRILLER (name): HERNDON
  - SURFACE CASING: Length: 350+ feet. Diameter: 16" MIN. inches. Type: STEEL
  - SCREEN: Length: 50' MM feet. Diameter: 10" MIN. inches. Type: STAINLESS
  - PUMP: Type: TURBINE. Size: 10". Capacity: 400 GPM @ 11 ps gallons per minute.  
Number of stages: 4. Setting depth: 300 feet.
  - POWER UNIT: Type: ELECTRICAL MOTOR. Size: 75 horsepower.
  - TYPE OF COMPLETION: \_\_\_\_\_

**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	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

- 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 \_\_\_\_\_

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

- MUNICIPAL or WATER ASSOCIATION  
Choose "a" or "b". (a) The number of people served is 4,221. (b) The number of connections/customers is \_\_\_\_\_  
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? 0.15 1991; 0.20 1996; 0.25 2001; 0.3 2006  
(Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)

- INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_  
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? \_\_\_\_\_

- RECREATION: Explain how water will be used: \_\_\_\_\_

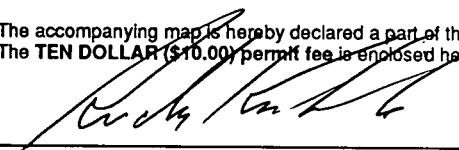
- OTHER use: Explain in detail: \_\_\_\_\_

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

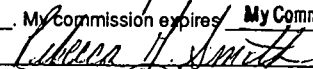
List below the person to be contacted for additional information if required:

JOE L. JOHNSON, P.E.  
(Name)  
ENGINEERING ASSOCIATES, INC.  
(Address)  
P.O. BOX 22541, JACKSON, MS 39225-2541  
(City, State, Zip)  
(601) 948-7474  
(Telephone)

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

  
RANDY KIMBLE (Signature)  
MAYOR

Subscribed and sworn to before me this 28<sup>th</sup> day of April 19 92 at 11:45 A.M.

County of Capitol. My Commission expires My Commission Expires August 19, 1995  
  
\_\_\_\_\_, Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR ✓  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAC/DRB DATE: 6/16/94  
UNIT DEQ #: \_\_\_\_\_ FILE #: AD 6/15A  
HEALTH DEPT. #: 15007-09 ELEV. 420  
USGS #: P-76 OLWR #: 14229  
OWNER: Hartshurst, Town of  
LOCATION: NW/SE/NE S 12T 10N R 8E COUNTY: Copiah  
LOCATION DESCRIPTION: go 3 mile and you will run into well  
CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine / 30  
GPS FIELD LOCATION: LAT. \_\_\_\_\_ LONG. \_\_\_\_\_  
GPS CORRECTED LOCATION: LAT. 31 51 24.539 LONG. 90 20 53.034  
REMARKS: go back to fork <sup>31.856816</sup> in road turn left. <sup>90.348065</sup>

Redone 3/19/02 RLB/DC

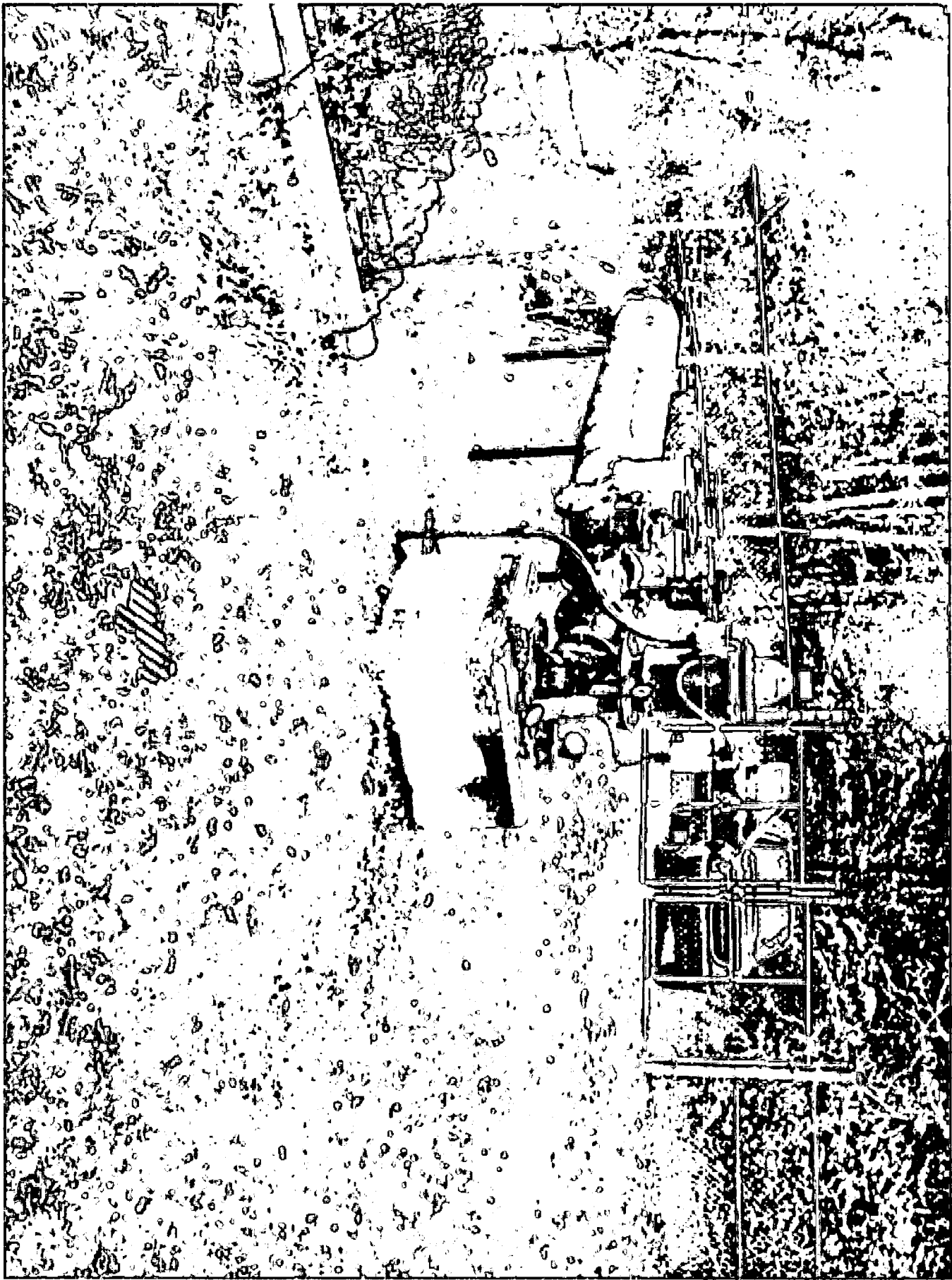
31.85687 90.348611

Shady Grove

3/2002

31.55687/90.34800

150007-09, SW-14229, P076



749000m E.

750

R. 2 W. R. 1 W.

MAGEE 40 MI.  
GEORGETOWN 10 MI.

20'

753

