DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): CAR/DEA

UNIT DEQ #: 84090 84059

HEALTH DEPT. #: 170048-02

USGS #: 527 660 859

OLWR #: MS-6W-03218 3217

OWNER: LAKES FOREST

LOCATION: NW/NE/5SW 30 T 15 R 9W

COUNTY: DeSoto

LOCATION DESCRIPTION: 300' North of Hwy 302, 640.45' West of Hwy 301 at Elev. tank

CASING DIA: 6" PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 34° 58' 17" LONG. 90° 05' 43.5"

GPS CORRECTED LOCATION: LAT. 34° 58' 17"

REMKS: NORTHWEST 5/8 OF WATER PLANT 1/4 AC
SECTION C  (to be completed for SURFACE WATER SOURCE)
1. Source of water is from ___________________________________ which drains into ___________________________________ (major stream or river)

2. 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)
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 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. ___________________________

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

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM
   Chose "a" or "b". (a) The number of people served is ________ or (b) The number of connections 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 (20) years?

<table>
<thead>
<tr>
<th>Year</th>
<th>(Volume) (Year)</th>
<th>(Volume) (Year)</th>
<th>(Volume) (Year)</th>
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<tr>
<td>2000</td>
<td>72,000</td>
<td>72,000</td>
<td>73,000</td>
</tr>
<tr>
<td>2005</td>
<td>73,000</td>
<td>72,000</td>
<td>2010</td>
</tr>
<tr>
<td>2015</td>
<td>73,000</td>
<td>2010</td>
<td>2015</td>
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</table>

4. 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: ___________________________

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.

BILL J. ROBERSON
(Name)

P O BOX 362
(Address)

HERNANDO MS 38632
(City, State, Zip)

(601) 429-9509
(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.

Bill J. Roberson
(Signature)

Subscribed and sworn to before me this 28th day of Feb., 1996, at Hernando County of Mississippi
My commission expires March 23, 1998
Promoted Roberson Albright
Notary Public.
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

This application is for office use only.

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<th>Issued:</th>
<th>Expires:</th>
<th>Fee Paid:</th>
<th>Permit No.</th>
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<tr>
<th>Lat:</th>
<th>Long:</th>
<th>Elev:</th>
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<tr>
<td>34 58' 16&quot;</td>
<td>90 05' 27&quot;</td>
<td>304'</td>
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<th>STAC.</th>
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<tbody>
<tr>
<td>farm</td>
<td>Farm No.</td>
<td>STAC.</td>
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Aquifer: SPT
Tract No.: Dam No.

Remarks: Basin No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT  RENEWAL - PERMIT No. 03217

THIS APPLICATION IS FOR (Circle one): GROUND WATER - COMPLETE A,R,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:
NORTH MISSISSIPPI UTILITY
64-0676172
P.O. BOX 362, 1481 BYHALIA ROAD
(601) 429 - 9509

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

(4)

Address:

(State & Zip)

(Telephone No.)

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

SE 1/4 of the SW 1/4 of Section 30, Township 1 S, Range 9 W, County DESOTO

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 GROUND WATER SOURCE)

1. AQUIFER: SPARTA
MISSISSIPPI DEPARTMENT OF HEALTH NO.: 170024

2. Proposed work will begin on , 19 , and will be completed by , 19 .
If well has already been drilled, when was well completed (date)? , 19 . Under whose name was well originally drilled (if known)? DESOTO UTILITY COMPANY

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 105 Feet. DRILLER:
(b) SURFACE CASING: Length ______ feet; Diameter ______ inches; Type STEEL
(c) SCREEN: Length ______ feet; Diameter ______ inches; Type
(d) PUMP: Type ___________ Size _______ ; Capacity _______ gallons per minute; Setting depth _______ feet
(e) POWER UNIT: Type _______ ; Size _______ horsepower

4. PERMITTED VOLUME:
(a) _______ acre-feet per year at a maximum rate of _______ gallons per minute
(b) _______ million gallons per day at a maximum rate of _______ gallons per minute

3-8-96 (CONTINUED ON BACK)
<table>
<thead>
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<th>LIFT</th>
<th>R = 42</th>
<th>T = A</th>
<th>M</th>
<th>Lift type 43</th>
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<th></th>
<th>R = 90</th>
<th>T = A</th>
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<th>256</th>
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<th>* Bot. 92 =</th>
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</table>

| Transmissivity | 107 | * T(gal/d)/ft |
| Hydraul. conduct. | 108 | * P(gal/d)/ft² |
| Storage coeff. | 110 | *Boundaries |

0-70 Day
70-110 Day
110-150 Day

Signed: W. D. Hornback
Date: 08-23-72
GW 3217  DOH # 170024-02
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

WELL RECORD

Record by: WJ0  Date: 7-10-76  County: DeSoto  Well No.: B60

Site ID: 34581209005801  R=0 T=A M=2  W=
Data reliab.: 3=C U=Report. agency 4=USGS 5=Dist. 6=2 8
County: 8=033  Lat/Long.: 9=345812 10=0900523
Well No.: 12=8060  Loc 13=NESW 30=15015 R=30 W=
Alt.: 16=300  Hyd.Unit (OWDC): 20=
Date: 21=05001972  Well use: 23=W  Water use: 24=N
Hole depth: 27=110  Well depth: 28=165
WL: 30=46  Date 31=05001972  Source 33=D

OWNER
North MS Utility Co.
Owner No. 161=DESAO JER CO R P U L

FIELD QN
R=158 T=A M=Date 159=05001972
Temp. 196#: 00010  °C 197=
Cond. 196#: 00095  umhos 197=
pH 196#: 00400  Value 197=

CONSTR.
R=192 T=A M=Date 193# 19
Drlr 63=00
Finish 66=5
Name: Carloss Will Supply  Method 65=H

CASING
R=58 T=A M=59# 1
Top csng 77#: 0
Bot.csng 78=85
diam. 79# 6
Top 76 T=A M=59#

OPENINGS
R=82 T=A M=59# 1
Top 83#
Bot. 84=105
Type 85=S
Diam. 87=6
Size 88=

YIELD
R=134 146 T=A M=147# 1  Q 150=120  Q/s 272=

Additional cards same R thru 193 for each parameter.