# WELL SCHEDULE

**FIPS:** 33  
**WELL:** A107  
**LOG NO.:**

Recorded by: Phillips  
Data Source: Driller's log  
Date: 9/17/05  
County: DeSoto  
Permit No.: GW 12964  
DOH No.: 0170043-02  
Quad: Horn Lake  
Elevation: 304

<table>
<thead>
<tr>
<th>3/4</th>
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<th>SW</th>
<th>3/4</th>
<th>SE</th>
<th>3/4</th>
<th>SW</th>
<th>Sec.</th>
<th>05</th>
<th>T: 1S</th>
<th>R: 9W</th>
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Plotted on quad?:  
In field?:  
From drillers log?:  
From permit?:  
Latitude:  
Longitude:  
GPS?:  
From Quad?:  
Primary aquifer: sPRT  
Secondary aquifer: 
Use: WA  
Well status: AB-  
Local well name: 
Owner: Walls Water Association, Inc.

Date completed: 9/1/85  
Driller: Wilson Well Co.  
Well depth: 440  
Hole Depth: 440

Pump type: S  
Power type: E  
Pump capacity:  
HP:  
Casing interval: 0-359  
Casing length: 359'  
Casing diameter: 6"  
Casing type: PVC  
Casing interval: 360-364  
Casing length: 164'  
Casing diameter: 4"  
Casing type: S  
Screen interval: 364-404  
Screen length: 40'  
Screen diameter: 4"  
Screen type: SS  
Screen interval:  
Screen length:  
Screen diameter:  
Screen type:  
Type of logs:  
Log interval:  
Initial water level: 114  
Date: 9/1/85  
M.P. description: 

<table>
<thead>
<tr>
<th>Water Quality Data?</th>
<th>Source:</th>
<th>Reliability:</th>
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<th>Water Level Data?</th>
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<tr>
<th>Pump Test Data?</th>
<th>Source:</th>
<th>Reliability:</th>
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<table>
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<tr>
<th>Water Use Data?</th>
<th>Source:</th>
<th>Reliability:</th>
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</thead>
</table>
Water level data

This area for location map and notes
COUNTY WELL LOCATED PERMIT NUMBER DATE WELL COMPLETED
Lee County - 120164 Sept 8 5
NAME & MAILING ADDRESS OF LANDOWNER
LAKE FOREST WATER PLANT NAME & MAILING ADDR.
WATIS WATER ASSN OF LANDOWNER
Lat: 35 46 6
Long: 89 15 7
WELL LOCATION: SEC TOWNSHIP RANGE
1 N 9 E
DISTANCE DIRECTION NEAREST TOWN
Miles of WATIS WATER ASSN
OTHER LANDMARK
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.
WATIS WATER ASSN
WELL DATA
Well Depth Casing Diameter (In.) Casing Length (Ft.)
440 60 359
Type of Casing / Type Grout (circle one): PVC 40 44 14
Hole Depth Depth to Static Water Level
Gravel Pack: Undrained, Telescoped, Natural Development, Open Hole, Other
TYPE OF COMPLETION: (Circle One or More):
WELL GROUTED TO A DEPTH OF FEET
Type Grout (circle one): Cement, Bentonite, or Mix
SCREEN DATA
Diameter - Inches Length - Feet Slot Size - Inches
4 14 0.30
Screen Type Depth to Bottom - Feet
3 515 WATIS 4 04

PUMP DATA
PUMP TYPE (Circle One): Jet Flowing Well,
Other (Describe)
POWER TYPE (Circle One):
Other (Describe) H/P
DESCRIPTION OF FORMATIONS ENCOUNTERED FROM TO
Red Clay 5 6
Silt 4 46 65 65
White Clay Sand 65 85
White Clay Sand 75 85
Pea Gravel 85 90
Yellow Clay 9 100
Yellow Clay + Limestone 100 120
Yellow Clay - Sherdack 120 130
Yellow Clay Silt 130 140
Blue Clay Med 140 163
Blue Clay Sand 163 174
Blue Clay Sand 174 180
Blue Clay Hard 180 204
Blue Clay Med + Hard 204 249
Sand 249 270
Sand 270 296
Sand 296 404

I certify that the well was drilled, constructed and completed in accordance with all applicable Requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

Revised 10-9-02

Signature of Licensed Driller and License No.

Additional Information Required On Back
WELL CONSTRUCTION DATA

CONTRACT NO. __________ - __________

OUR WELL NO. __________ THEIR WELL NO. __________ IN TEST HOLE NO. __________

LOCATION OF THE WELL __________

INSTALLED FOR __________

ADDRESS CITY __________ COUNTY __________ STATE __________

WELL DATA

STARTED WELL __________ AND COMPLETED __________

TOTAL DEPTH __________ ELEVATION __________ STATIC WATER LEVEL __________

LENGTH SURFACE CASING __________ SIZE __________ THICKNESS __________

CEMENTED WITH __________ SACKS CEMENT __________ TYPE PACKER __________

LENGTH WELL CASING __________ SIZE __________ WEIGHT __________

CEMENTED WITH __________ SACKS CEMENT __________ TYPE PACKER __________

INNER CASING LENGTH __________ SIZE __________ WEIGHT __________

WITH __________ GUIDES LOCATED __________ TYPE SACKOFF __________

LEAD SEAL __________ BACKPRESSURE VALVE __________ GUIDE __________

WELL STRAINER MAKE __________ SIZE __________ LENGTH __________ OPENING __________

TYPE MATERIAL __________ WITH __________ CONNECTIONS __________

SIZE HOLE DRILLED FOR SURFACE CASING __________ WITH __________

SIZE HOLE DRILLED FOR WELL CASING __________ WITH __________

SIZE HOLE DRILLED FOR STRAINER __________ WITH __________

YARDS OF GRAVEL USED __________ HOW PLACED __________

HOW WAS WELL DEVELOPED __________

NOTES: __________

RIG USED __________ DRILLER __________

GENERAL

PURPOSE FOR WHICH THIS WATER IS USED __________

TEMPERATURE __________ IS WATER CLEAN __________ CAPACITY __________

SAND __________ HARDNESS __________ PH __________ IRON __________ N & CL __________

TYPE TREATMENT USED __________

IS THERE A DERRICK OVER THE WELL __________ HEIGHT __________ TYPE __________

CAN TRUCK OR RIG EASILY GET TO WELL __________

PUMP HOUSE __________ SIZE HATCH __________

REMARKS __________
Application for Permit to Divert or Withdraw for Beneficial Use
The Public Waters of the State of Mississippi

This application is for (circle one): Groundwater  Surface Water

Beneficial Use (circle one or more): Irrigation  Fish Culture  Municipal
Recreation  Institutional (Examples: Church, School)  Commercial (Examples: Hotel, Restaurant)  Livestock  Standby

LANDOWNER:

(NAME)  

(ADDRESS)  

(CITY)  (STATE AND ZIP)  (TELEPHONE NUMBER)

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

Walls, Water, Ass'n

(NAME)  

(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 SW 1/4 of Section 25, Township 15S, Range 9W, County DeSoto

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) 0.00 acre-feet per year at a maximum rate of 1200 gallons per minute

(b) 0.00 million gallons per day at a maximum rate of 1200 gallons per minute

(c) 0.00 acre-feet of storage at normal pool

(d) 0.00 per at a maximum rate of 1200 gallons per minute

Construction of proposed work will begin on (date) 19__ and will be completed by (date) 19__

Water will be used from (month) to (month) 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.

Other well

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

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 ___________________________ aquifer.

2. Description of proposed water well:
   (a) DEPTH OF WELL: __________________ feet, DRILLER (name): __________________
   (b) SURFACE CASING: Length: ______________ feet, Diameter: ______________ inches. Type: ______________
   (c) SCREEN: Length: ______________ feet, Diameter: ______________ inches. Type: ______________
   (d) PUMP: Type: __________________________________ Size: ______________ Capacity: ______________ gallons per minute.
   Number of stages: ______________ Setting depth: ______________ feet.
   (e) POWER UNIT: Type: ______________ Size: ______________ horsepower.
   (f) TYPE OF COMPLETION:

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other aerial 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.

<table>
<thead>
<tr>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>SECTION</th>
<th>NE1/4</th>
<th>NW1/4</th>
<th>SW1/4</th>
<th>SE1/4</th>
<th>TOTALS</th>
</tr>
</thead>
</table>

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 ___________. (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?

<table>
<thead>
<tr>
<th>Volume</th>
<th>Year</th>
<th>Volume</th>
<th>Year</th>
<th>Volume</th>
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</tr>
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</table>

4. 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? ___________________________.

5. RECREATION: Explain how water will be used:

6. OTHER use: Explain in detail:

REMARKS:

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

(Name) ___________________________.

(Address) ___________________________.

(City, State, Zip) ___________________________.

(Telephone) ___________________________.

The accompanying map is 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 _______ day of _______ 19_____, at ___________.

County of ___________________________. My commission expires ___________________________.

____________________________, Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): LAKE / DALE  DATE: 8-21-96
UNIT DEQ #:  FILE #: 1082619E
HEALTH DEPT. #: *1708 43-02  ELEV. 308
USGS #: A107  OLWR #: GW12964
OWNER: Swalls Water Assoc.  COUNTY: Desoto
LOCATION: SW/4 SW/4 25T 1S R90  LOCATION DESCRIPTION: West well #1
COUNTY: Lake Quad

CASING DIA: 6  PUMP TYPE & SIZE: (Sub.) Turbine
GPS FIELD LOCATION: LAT. 34° 59.181'  LONG. 90° 06'.518'
GPS CORRECTED LOCATION: LAT. 34.96336577  LONG. 90.10884244

REMARKS: SEE WELL #1

X
Map center is 34° 57' 48"N, 90° 06' 32"W (WGS84/NAD83)

Horn Lake quadrangle

Projection is UTM Zone 15 NAD83 Datum