WELL SCHEDULE FOR
THE OFFICE OF LAND AND WATER RESOURCES

Recorded by:   Data Source: Driller's log, permit  
County:       Permit No.: GW15470  
Quad:   Elevation: 201 31.5
1/4: NE 1/4: NE 1/4: NW 1/4: SW  
Sec.: 25  
T: 25 R: 8 W
Plotted on quad?:  In field?  
From drillers log?  
From permit?:  
Latitude: 34° 52' 55.91"  
Longitude: 90° 00' 11.6"  
GPS? 
From quad?:  
Primary Aquifer: SPRT  
Secondary Aquifer:  
Use: WA  
Well status:  
Local Well Name:  
Owner: Nesbit Water Association

Date completed: 12/20/99  
Driller: Wilson Well Co  
Well depth: 320  
Hole depth: 320
Pump type: Submersible  
Power type: Electric  
Pump capacity: 500 gpm
Screen interval: 
Screen length: 
Screen diameter: 
Casing interval: 
Casing length: 
Casing diameter: 
Type of logs: 
Log interval: 
Initial water level(s):  
Date:  
Measuring point description: 

Water Quality Data?  
Source: 
Reliability:  
Water Level Data?  
Source: 
Reliability:  
Pump Test Data?  
Source: 
Reliability:  
Water Use Data?  
Source: 
Reliability:  

No USGS well schedule
Water level data

This area for location map and notes
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Land and Water Resources
P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED
Desoto
WELL NUMBER F 105 Coded
PERMIT NUMBER 15410
NAME OF DRILLING FIRM Wilson Well Co., Inc.
DATE WELL COMPLETED 12-20-99

NAME & MAILING ADDRESS OF LANDOWNER
City of Nesbit
P.O. Box 35
Nesbit, MS 38651
WELL LOCATION SEC. 2 TOWNSHIP 8 R.
DISTANCE NEAREST TOWN 2.5 MILES
OTHER LANDMARK
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

PUMP DATA
PUMP TYPE (Circle One): Submersible Turbine, Jet Flowing Well
POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane
Other (Describe) H/P

PUMP TEST
Well yielded __________ GPM with a drawdown of __________ ft.
after __________ hours of pumping

WELL DATA
Well Depth 320 Casing Diameter (In.) 12 Casing Length (Ft.) 290
Type of Casing PVC Hole Depth 320 Depth to Static Water Level 95

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

WELL GROUTED TO A DEPTH OF 10 FEET
Type Grout (circle one): Cement, Bentonite, or Mix

SCREEN DATA
Diameter - Inches 8 Length - Feet 60 Slot Size - Inches .020
Screen Type PVC Depth to Bottom - Feet 320

DEPT. OF ENVIRONMENTAL QUALITY
Office of Land & Water Resources
Top of Lap Pipe or Reduction in Casing

DESCRIPTION OF FORMATIONS ENCOUNTERED FROM TO FORMATIONS (Continued) FROM TO
Red Clay 0 20 Fine Sand 260 280
Coarse Clay 20 40 Sand 280 290
Hard Clay 40 100 Clay 290 295
Fine Sand 100 120 Sand 295 320
Medium Sand 120 140
Sand 140 160
Medium Sand 180 195
Sand 195 200
Coarse Clay 200 22.4
Clay 224 260
Sand 260 280

IF TELESCOPED OR MORE THAN ONE SCREEN USE BACK PAGE
IF MORE SPACE IS NEEDED USE BACK
DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. BOX 10031, JACKSON, MS 39217-0031; (601) 961-8302

FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

This box is for office use only.

FORM GR-W-19.2 REV. 2-95

Rev 1-11-2000
Exp 11-11-2010

Form No. 6W/154170

Issued: 11-11-2000
Expires: 11-11-2010

Fees: N

Para No. 600362204

Lat: 34°52'50" Long: 90°00'12"

Elev: 315

Maid No. 6W/154170

Owner: Horn Lake ASCS Farm No.

STAC:

Maid No. 600362204

Accident: SPRT

Track No.

Remain:

Due In No.

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

THIS APPLICATION IS FOR (Circle one): GROUNDWATER - COMPLETE A,B,E

SURFACE WATER - COMPLETE A,D,F

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 (e.g., Church, School)
7) Commercial (e.g., Hotel, Casino, Restaurant)
8) Fire Protection
9) Livestock
10) Flood Protection
11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: Nesbit Water Association

(Name)

P.O. Box 35

(Address)

Nesbit MS 38651

(City)

(601) 429-8800

(State & Zip)

(Telephone)

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

Nesbit Water Association

(Name)

P.O. Box 35

(Address)

Nesbit MS 38651

(City)

(601) 429-8800

(State & Zip)

(Telephone)

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

NE 1/4 of the SW 1/4 of Section 35 Township 3R Range 8W 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 you, describe the nature and amount of any additional supply and, if applicable, its permit number.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: SPARTA

MISSISSIPPI DEPARTMENT OF HEALTH NO:

2. Proposed work will begin on 10-25-1999 and will be completed by 12-15-1999

If well has already been drilled, when was well completed (date)? 10-25-1999 Under whose name was well originally drilled (if known)?

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 340 feet

(b) DRILLER: Wilson Well Co Inc.

(c) SURFACE CASING: Length 280 feet Diameter 12" inches; Type Steel

(d) SCREEN: Length 60 feet Diameter 8" inches; Type Stee1

(e) PUMP: Type Well Pump Size 3" capacity 500 gallons per minute; Setting depth 240 feet

(f) POWER UNIT: Type Electric Sub Size 1" - 50HP horsepower

4. PERMITTED VOLUME:

(a) 0.18 acre-feet per year at a maximum rate of 500 gallons per minute

(b) 0.18 million gallons per day at a maximum rate of 500 gallons per minute

continuing on back

11-8-99
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 stream)

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__________________ Corn__________________ Soybeans__________________ Oats__________________
   Wheat__________________ 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 (a) be emptied and refilled?

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM
   Chose "a" or "b". (a) The number of people served is 2,689 or (b) the number of connections is 815.
   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? Due to growth
   (Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)

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:

Mesopotam Water Association
(Name)
P.O. Box 35
(Address)
Mesopotam, MS 38651
(City, State, Zip)
601- 429-8800
(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.

(Signature)

Subscribed and sworn to before me this 21st day of Oct. 1999, at 12:45 hr. County of DeSoto

My commission expires ________________________________

Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

WELL NOT LISTED

SHD PEC

USER NAME(S): LAK / DSH

DATE: 7/23/94

UNIT DEQ #: 84090

FILE #: B0127124

HEALTH DEPT. #: 170014-03

ELEV. 307 40821 LA

USGS #: 476 F-105

OLWR #: MS-6W-15470

OWNER: NEHBIT WATER ASSOC.

LOCATION: NE/4SE/4 SW 25 T 2S R 8W

COUNTY: DESOTO

LOCATION DESCRIPTION: NE CORNER OF WATER PARK
EAST OF CATE, 40' SOUTH OF REL

CASING DIA: 8''

PUMP TYPE & SIZE: TURBINE 7.5 HP

GPS FIELD LOCATION: LAT. 34.589591''

LONG. 90.03168 4''

GPS CORRECTED LOCATION: LAT. 34.8219596''

LONG. 90.0032298

REMARKS: From Hwy 51 & NEHBIT Rel. at NEHBIT.
Go West 1 1/2 Mi. Plant on South Side of Rd.