### Lift
- Lift type: 43 T
- Intake: 44
- Power type: 45 E
- Date: 38/08/01/1966
- H.P.: 20

### Logs
- R=198
  - Log 199 D
  - Top: 200
  - Bot: 210
- R=198
  - Log 199 E
  - Top: 200
  - Bot: 210
- R=189
  - Log No. 1900
  - Top: 200
  - Bot: 210

### Ann.
- R=114
  - Year: 115
  - Type: 120

### Aquifers
- R=90
  - Unit ID: 93
  - Name of Unit: Lower Wilcox
- R=90
  - Top: 91
  - Bot: 92

### Hydraulics
- Unit tested: 100
- Test No.: 106
- Transmissivity (gal/d)/ft
- Hydraul. cond. (gal/d)/ft²
- Storage coeff.

### Coded Data

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<tr>
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<tr>
<td>Sand (White)</td>
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<tr>
<td>Sand with Lignite</td>
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<tr>
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<tr>
<td>Sand</td>
<td>26</td>
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<tr>
<td>Sand with clay</td>
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<tr>
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<td>Clay</td>
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<tr>
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<td>Sand and sandy clay</td>
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<tr>
<td>Clay</td>
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<td>Clay (Tough)</td>
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<td>Clay</td>
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<tr>
<td>Sand (Fine)</td>
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(See Reverse Side)
WATER WELL DRILLERS LOG

Date: Dec. 22, 1965, Driller: Carloss Well Supply

<table>
<thead>
<tr>
<th>Description &amp; Color of Materials</th>
<th>Thickness</th>
<th>Depth Feet</th>
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<tr>
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<tr>
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<td>Sand</td>
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<td>Sand w/ Clay Streaks</td>
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<td>1444</td>
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<tr>
<td>Sand (Fine)</td>
<td>30</td>
<td>1474</td>
</tr>
</tbody>
</table>

Information upon completion of well:

(1) Diameter 8" inches.
(2) Total Depth 1497'-6" feet.
(3) Water Level 24' feet below top of ground.
(4) Cased to 1440', Size 8".
(5) Screen: Size 6", Length 52'-6".
(6) Were any formations sealed against pollution? X yes, no.

If YES depth of formation Casing Cemented

Why

Drillers Remarks:

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss.
## WATER WELL DRILLERS LOG

**September 1965**

**Carloss Well Supply Co**

**DeSoto**

### LANDOWNER: Town of Walls

**Walls, Mississippi**

(please enter the mailing address)

### WELL LOCATION:

- **sec. 35 T. S. R. 9 W.**
- **12 miles S. of W.**

(designation of distance, direction, and nearest town)

### WELL PURPOSE: Municipal

(hom, irrigation, municipal, industrial)

### WELL COMPLETION DATA:

1. **diameter (inches): 8"**
2. **total depth (feet): 1500**
3. **static water level (feet) below top of ground:**
   - **Steel:** 1440
   - (material)
   - (depth)
   - (size)

4. **screen length:** 60 ft.
   - (material)
   - (depth to top)
   - SS
   - (size)

5. **pump HP:** 20
   - (yield gpm)
   - (material)

6. **Electric**
   - (type power)

7. **electric log:**
   - (yes or no)

8. **how well bottom plugged:**
   - B.P. Valve

### DRILLERS REMARKS:

---

### Formations Encountered:

- **Top Soil:** 0 - 10
- **Sand and Gravel:** 10 - 202
- **Clay:** 202 - 305
- **Sand:** 305 - 395
- **Clay:** 395 - 480
- **Sand:** 480 - 540
- **Clay:** 540 - 817
- **Sandy Clay:** 817 - 1182
- **Clay:** 1182 - 1440
- **Sand:** 1440 - 1514
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
Fire Protection Flood Protection Other:

LANDOWNER:

(Name) __________________________ (SS or Tax ID No.) __________________________

(Address) __________________________ __________________________

(City) __________________________ (State and Zip) __________________________ __________________________

(Telephone Number) __________________________ __________________________

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

WALLS WATER ASSOCIATION, INC.

(Name) __________________________ (SS 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 SE 1/4 of Section 33 Township 20 S 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) ___________ 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

(c) ___________ acre feet of storage at normal pool

(d) ___________ per day at a maximum rate of ___________ per minute

Construction of proposed work will begin on (date) ___________ and will be completed by (date) ___________.

Water will be used from (month) January through (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.

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: 1797 feet. DRILLER (name):
   (b) SURFACE CASING: Length: 70 feet. Diameter: 6 inches. Type:
   (c) SCREEN: Length: 60 feet. Diameter: 6 inches. Type:
   (d) PUMP: Type: Size: Capacity 50 gallons per minute.
      Number of stages: Setting depth: 50 feet.
   (e) POWER UNIT: Type: Size: 50 horsepower.

TOWN
RANGE
SECTION
NE 1/4 NW 1/4 SW 1/4 SE 1/4

<table>
<thead>
<tr>
<th>NE 1/4</th>
<th>NW 1/4</th>
<th>SW 1/4</th>
<th>SE 1/4</th>
<th>TOTALS</th>
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<tbody>
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<td>NE 1/4</td>
<td>NW 1/4</td>
<td>SW 1/4</td>
<td>SE 1/4</td>
<td></td>
</tr>
</tbody>
</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 800; (b) The number of connections/customers is 135.
   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? (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: __________________________
   Rate of release: __________________; Location of release point in reference to diversion/withdrawal point: ___________________________
   Explain any change in quality of water to be released: __________________________

5. RECREATION: Explain how water will be used:__________________________

6. OTHER use: Explain in detail:__________________________

REMARKS: The number of people served outnumbered meters due to a number of trailer parks on one meter, or a number of farm families using from one service.

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

Name: Paul Wicks, Pres.
Address: Walls Water Assn.
City, State, Zip: 623 211 Rd., Walls, IL 60-7480
Telephone: ____________________________

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

Subscribed and sworn to before me this 30th day of March, 1990 at Walls, MS
County of DeSoto
My commission expires AUG. 22, 1992
Notary Public

[Signature]
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): CAR/DES

UNIT DEQ #: 84014

HEALTH DEPT. #: 170019-01

USGS #: 494 A-12

OWNER: DeSoto Utl. Wtrks

LOCATION: NE1/4 NW1/4 SE1/4 T15 R9W

LOCATION DESCRIPTION: Water Plant. 1 mi. West of Hwy 61

OLWR #: MS-GW-12487

ELEV. 209

DATE: 7/30/94

FILE #: 837831714

CASING DIA: 10"

PUMP TYPE & SIZE: Turbine - 30HP

GPS FIELD LOCATION: LAT. 34°57'.957 N

LONG. 90°09'.290 W

GPS CORRECTED LOCATION: LAT. 34°95359730 N

LONG. 90°15446629 W

REMARKS:


