**WELL SCHEDULE**

**WATER RESOURCES DIVISION**

**U.S. DEPT. OF THE INTERIOR**

**GEOLOGICAL SURVEY**

**Form 9-1642**

**Record by J.A. Callahan**

**Date 12/1/72**

**Map Carthage**

**Well No. K16**

**State:**
- 2:8 County: Leake
- 90 Lat.-Long.: 126° 44' 26" N 88° 34' 13" W

**Local well number:**
- 0:146 A: 12:10 N: 0:7 E

**Local use:**
- 0:64:0:3:0

**Owner name:**
- Army

**Address:**
- Carthage

**Ownership:**
- County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Disc

**Use of:**
- Water (A) (B) (C) (D) (E) (F) (H) (I) (M) (N) (P) (R)
- Stock, Insect, Unused, Repressure, Recharge, Desal-P.S., Desal-other, Other

**DATA AVAILABLE:**
- Well data
- Freq. W/L meas.
- Field aquifer chart

**Hyd. lab data:**

**Qual. water data:**
- Type

**Freq. sampling:**
- yes

**Logging cards:**
- Pumpage inventory
- no
- period
- yes

**Log data:**
- E-109 660

**WELL DESCRIPTION CARD**

**SALT AS ON MASTER CARD**
- Depth well:
- 6:1:1

**Meas. rep.**
- 5

**Depth cased:**
- 5:5:1

**Casing type:**
- 0

**Finish:**
- 18 x 10

**Method:**
- Drilled

**Driller:**
- Layne Central

**Power:**
- 100 V

**Descrip. HP:**
- 342

**Alc. LSD:**
- 3,6:0

**Accuracy:**
- Top Ca + T 10

**Water level:**
- 9:1:2

**Data source:**
- 1:7:0:0

**Drawdown:**
- x 10

**Temp.:**
- 0

**Taste, color, etc.:**

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**U.S.G.P.O. 1972/720-793/96/1303**
**HYDROGEOLOGIC CARD**

**Physochrastic Province:**

**Drainage Basin:**

**Subbasin:**

**Topography:**
- Depression, stream channel, dune, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley

**MAJOR AQUIFER:**

- System:
- Series:
- Origin:
- Aquifer:
- Thickness:
- Length of well open to:
- Depth to top of:
- Interval:

**MINOR AQUIFER:**

- System:
- Series:
- Origin:
- Aquifer:
- Thickness:
- Length of well open to:
- Depth to top of:

**Source of data:**

**Permeability:**

- k:
- Spec cap:

**Notes:**

- 6' of screen
- Bottom of screen 617
- 63' 0 10" Lap

**Table:**

<table>
<thead>
<tr>
<th>Layer</th>
<th>Interval</th>
<th>Top</th>
<th>Bottom</th>
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<tbody>
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<td>Top E</td>
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<tr>
<td>Whit. Clay</td>
<td>6 17</td>
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<tr>
<td>White Sand</td>
<td>17 47</td>
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<td>Shelby</td>
<td>47 120</td>
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<td>Clay</td>
<td>120 236</td>
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<td>Arkansas Red</td>
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<td>Dadeville</td>
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<td>Myrtlewood</td>
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<td>Shingle</td>
<td>450 512</td>
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<td>Site west</td>
<td>512 573</td>
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<td>573 644</td>
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<tr>
<td>Site east</td>
<td>644 656</td>
<td>656</td>
<td>644</td>
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</tbody>
</table>
If wall telescopcs please sketch and show depths.

GROUND LEVEL

SECTION

Please indicate wall location X.

ADDITIONAL INFORMATION

If more than one screen, show locations of each on sketch.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Lar / Dec  DATE: 7/19/94
UNIT DEQ #: 82857  FILE #: A071916A
HEALTH DEPT. #: 400001-03  ELEV. 345
USGS #: K16  OLWR #: GW00932
OWNER: City of Carthage
LOCATION: S 12 T 10W R 7E COUNTY: Leake
LOCATION DESCRIPTION: NW corner of E. Main & W M Chipley St.,
                      White & Brown Pump House
CASING DIA: 16"  PUMP TYPE & SIZE: Turbine / 60
GPS FIELD LOCATION: LAT. 32.441911  LONG. 89.31525 W
GPS CORRECTED LOCATION: LAT. 32.731527  LONG. 89.531942
REMARKS: East of National Guard on Hwy 16, turn
         left on E Main, 1/2 mile from well # 1
         on S Grey.
         Using 32.736392  89.524350
         100.0106  100.0105
         32.73641  89.52440
         Carthage Aqu
Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-00932

County: LEAKE
Aquifer: MUWX
Owner: CARThAGE, CITY OF
USGS No: K0016
BOH No: 0400001-03

Location: NE 1/4 of the NE 1/4 of SEC 12
TWN: 10N
RNG: 07E
Lat: 324410
Long: 893128

Quad: CARThAGE
District: N/A

Date Issued: 14-JAN-86
Date Renewed: 19-DEC-95
Date Expired: 14-JAN-06

Applicant: CARThAGE, CITY OF
Address 1: 212 MAIN STREET
Address 2: N/A
Address 3: N/A
City: CARThAGE
State: MS Zip: 39051

Driller: LAYNE CENTRAL COMPANY

Owner: CARThAGE, CITY OF
Address 1: 212 MAIN STREET
Address 2: N/A
Address 3: N/A
City: CARThAGE
State: MS Zip: 39051

Maximum Rate: 700
Amount Withdrawn Acre feet: 224.0638
Amount Withdrawn Mgd: .2

Use
MUNICIPAL

Casing
Type: STEEL
Diameter: 10
Length: 544

Screen
Type: STAINLESS STEEL
Diameter: 10
Length: 60