

Well No. K15

Latitude-longitude N
S

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 0:3 Section: _____

D Drainage Basin: 13:7 Subbasin: 26

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (H) (K) (L) (O) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat 27

MAJOR AQUIFER: system _____ series T: E upper Wilcox aquifer, formation, group U: W

Lithology: U: S Origin: 2 Aquifer Thickness: _____ ft

Length of well open to: 50 ft Depth to top of: 590 ft

MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: _____ ft

Intervals Screened: 580-6 ft 10"

Depth to consolidated rock: _____ ft Source of data: _____

Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: 602 gpd/ft Coefficient Storage: _____

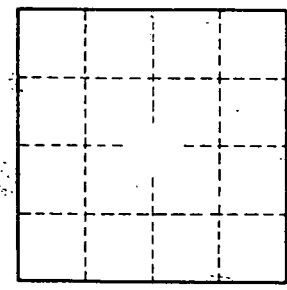
Coefficient Perm: 120 gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

100,000 gal. tank
 500,000 gal. tank
 Treatment Observation
 Distribution
 1,115 Consumes

WL = 35' (1963)

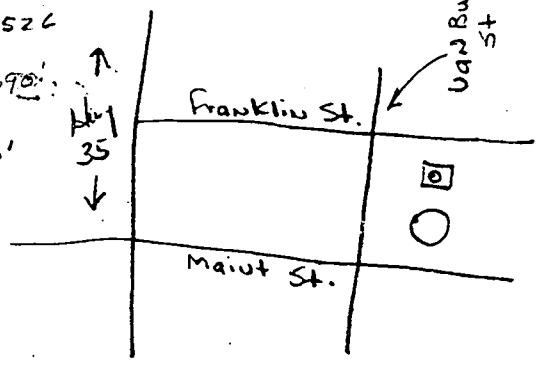
87. 10/1/79

Drillers log



122 (1988)

0-108'
 108-526'
 526-590'
 590'



Well No.

K15

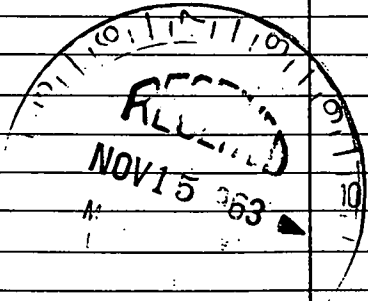
K 15
11-13-63

WATER WELL DRILLERS LOG

CODED

Date: 11-13-1963, Driller: Layne-Central Co., County Leake
(Name)

(1) Owner of Land: <u>Town of Carthage</u> (Name)	Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thick- ness Feet	Depth Feet
<u>Carthage, Mississippi</u> (Address)	sandy clay	10	10
(2) Location: <u>1/4, 1/4, Sec. T R</u>	loose red sand	20	30
<u> </u> miles <u> </u> of <u> </u> (distance) (direction) (Nearest Town)	white sand & clay balls	78	108
(3) Topography: <u> </u> (Hilly) (Flat) (Level)	clay	42	150
(4) Purpose of Well: <u>Municipal</u> (Domestic Irrigation Municipal, Industrial, Other)	hard brittle clay	140	290
Information upon completion of well:	hard sandy clay	58	348
(1) Diameter <u>16"</u> inches.	clay, brks of sand rock	126	474
(2) Total Depth <u>643'</u> feet.	clay	52	526
(3) Water Level <u>75'</u> feet below top of ground.	clay, stks of sand	53	579
(4) Cased to <u>580'</u> , Size <u>16"</u>	sand, stks of clay	11	590
(5) Screen: Size <u>10"</u> , Length <u>50'</u>	fine sand	50	640
(6) Were any formations sealed against pollution? <u>X</u> yes, <u> </u> no.	shale	8	648
If YES depth of formation <u>580'</u>	sand	3	651
Why <u> </u> required	shale, sandy breaks	10	661
Drillers Remarks:	shale	49	710
	hard sandy shale	23	733



Well No.

(Use Back Side)

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss.

(X)

CONFIDENTIAL - SECURITY INFORMATION

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DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAR / DRB DATE: 7/19/94
UNIT DEQ #: 82859 FILE #: A071915B?
HEALTH DEPT. #: 400001-02 ELEV. 370
USGS #: K15 OLWR #: GW00931 ✓
OWNER: City of Carthage
LOCATION: S 12 T 10 N R 7 E COUNTY: Leake
LOCATION DESCRIPTION: EAST side of Elevated tank in
white pump house
CASING DIA: 10" PUMP TYPE & SIZE: Turbine / 40
GPS FIELD LOCATION: LAT. 32-44-252N LONG. 89-31-977W
GPS CORRECTED LOCATION: LAT. 32.736372 LONG. 89.524332
REMARKS: CORNER of N. Van Buren + E. Franklin St.
Using 32.737383 89.532878

K15 32.73730
~~100-0106~~ 89.53302
100-0106
Carthage Road

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-00931

County: LEAKE

Owner: CARTHAGE, CITY OF

Aquifer: MUWX

USGS No: K0015

BOH No: 0400001-02

Location: NE 1/4 of the NW 1/4 of SEC 12 TWN 10N RNG 07E **Lat:** 324414 **Long:** 893159

Quad: CARTHAGE

District: N/A

Date Issued: 14-JAN-86

Date Renewed: 19-DEC-95

Date Expired: 14-JAN-06

Applicant: CARTHAGE, CITY OF

Owner: CARTHAGE, CITY OF

Address 1: 212 MAIN STREET

Address 1: 212 MAIN STREET

Address 2: N/A

Address 2: N/A

Address 3: N/A

Address 3: N/A

City: CARTHAGE

City: CARTHAGE

State: MS **Zip:** 39051

State: MS **Zip:** 39051

Driller: LAYNE CENTRAL COMPANY

Maximum Rate: 1000

Amount Withdrawn Acre feet: 324.8926

Amount Withdrawn Mgd: .29

Use

MUNICIPAL

Casing

Type: STEEL

Diameter: 10

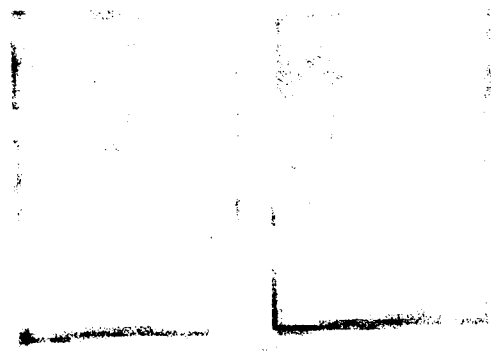
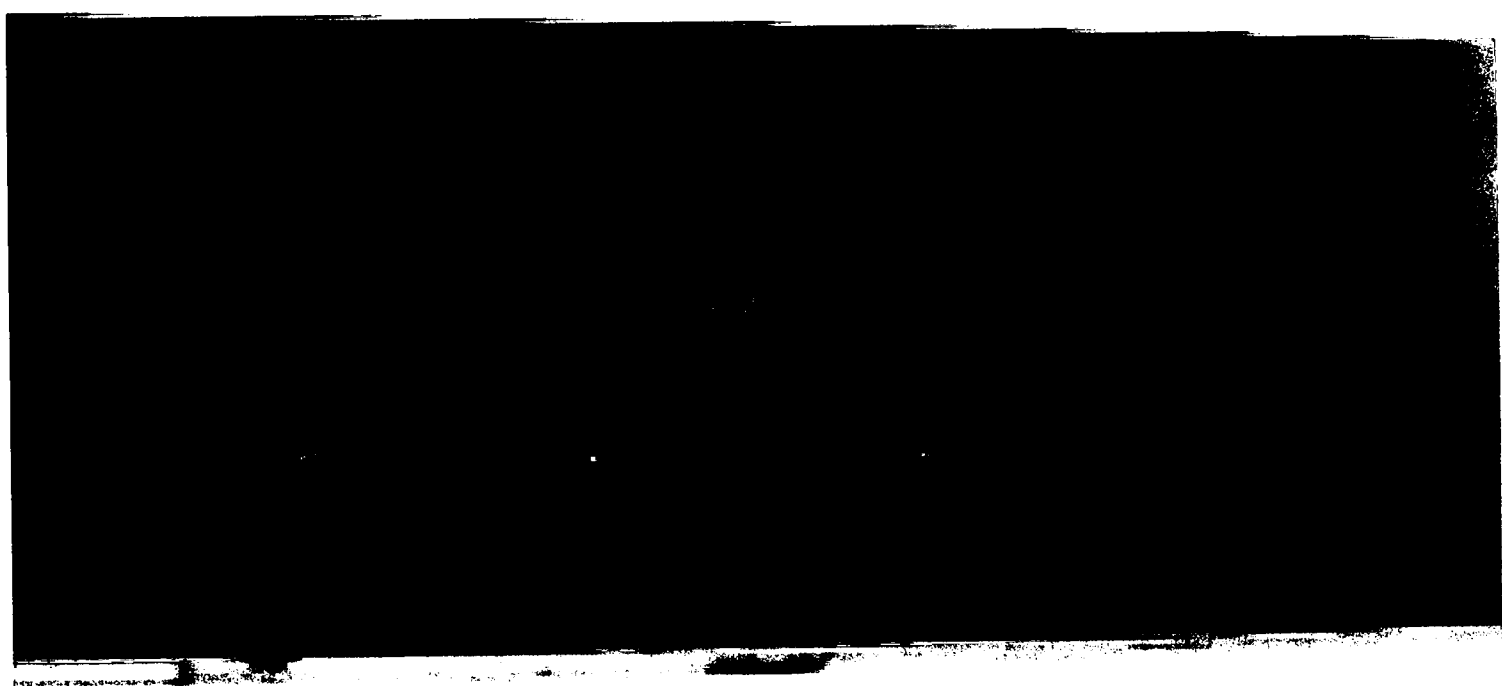
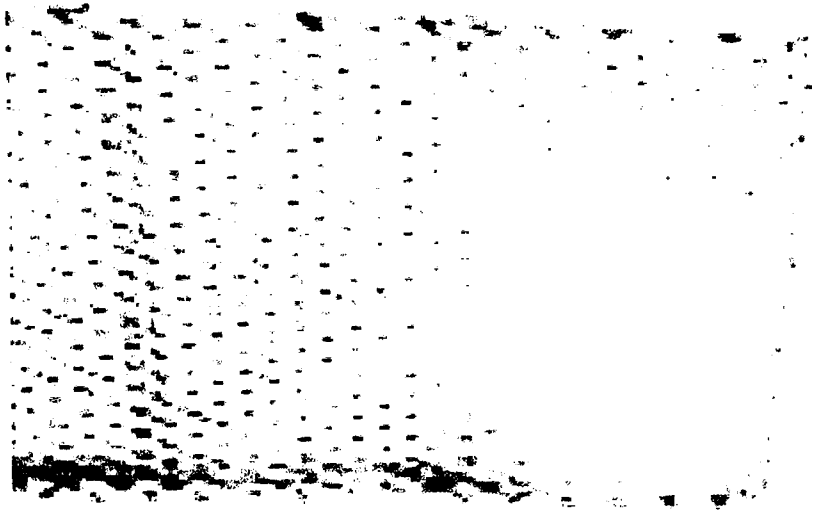
Length: 580

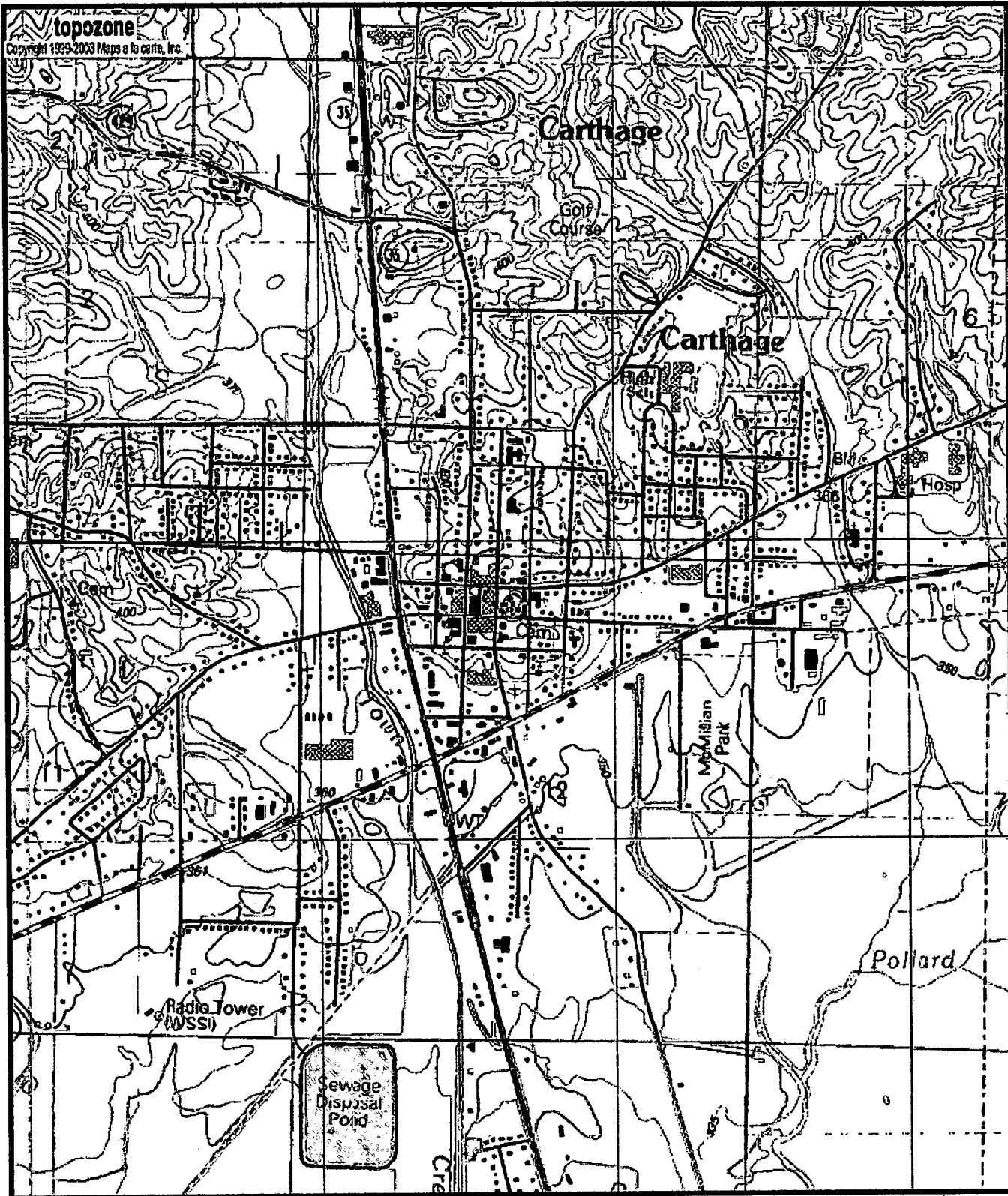
Screen

Type: STAINLESS STEEL

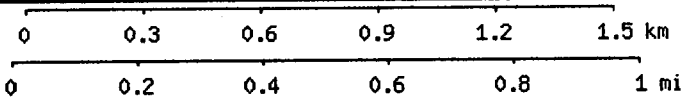
Diameter: 10

Length: 50





040001-02
 K15
 GW00931



Map center is 32° 44' 14"N, 89° 31' 59"W (WGS84/NAD83).

Carthage quadrangle

Projection is UTM Zone 16 NAD83 Datum

