

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by J. A. Callahan Source of data Layne Central Date 4-6-66 Map _____

State Miss County Newton (or town) _____

Latitude: 32° 34' 12" N Longitude: 089° 07' 08" W Sequential number: 1

Lat-long accuracy: 3' T. 8 S, R. 11 W, Sec. 1, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$

Local well number: B0054A0108N11E Other number: _____

Local use: 064 _____ 767 20 _____

Owner or name: UNION Address: Union Miss

Ownership: County, Fed Gov't, (M) City, Corp or Co, Private, State Agency, Water Dist _____

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) Ind, (K) P S, (L) Rec, (M) Stock, (N) Inscit, (O) Unused, (P) Repressure, (Q) Recharge, (R) Desal-P S, (S) Desal-other, (T) Other _____

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) (W) Withdraw, (K) Waste, (L) Destroyed _____

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hyd. lab. data: _____

Qual. water data; type: USGS Complete 11-28-67

Freq. sampling: _____ Pumpage inventory: no, period: _____

Aperture cards: _____

Log data: _____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 323 ft Meas. Drillers accuracy 3

Depth cased: 303 ft Casing type: Steel; Diam. 12x8 in

Finish: porous concrete, gravel w. (screen), gravel w. (horiz. gallery), open end, perf., screen, sd. pt., shored, open hole, other _____

Method Drilled: (A) air bored, (B) cable, (C) dug, (D) hyd jetted, (E) air rot., (F) percussion, (G) (R) rotary, (H) trenching, (I) driven, (J) drive wash, (K) other _____

Date Drilled: 4-1966 966 Pump intake setting: _____ ft

Driller: Layne Central Co, Jackson Miss.

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) (T) turb, (L) other _____

Power (type): diesel, (elec) gas, gasoline, hand, gas, wind; H.P. _____ Trans. or meter no. _____

Descrip. MP _____ ft above below LSD. Alt. MP _____

Alt. LSD: 470.59 477 Accuracy: Instrument Level

Water Level: 106.82 ft above below MP; Fr. below LSD Accuracy: measured

Date meas: 7-5-67 767 Yield: 520 gpm 520 Method determined 4

Drawdown: _____ ft Accuracy: _____ Pumping period 1 1/2 hrs

WATER DATA: Iron 29 ppm Sulfate 15 ppm Chloride 3.2 ppm Hard. 50 ppm

Sp. Conduct 131 K x 10⁶ Temp. 64 °F 18 Date sampled N67

Taste, color, etc. _____

Well No. B5

Well No. B5

Latitude-longitude 32-34.12 ^N 089.07.08 _S

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: _____

D Drainage Basin: 1:3:P Subbasin: _____

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

MAJOR AQUIFER: Tertiary system, Eocene series, TE aquifer, formation, group, M:W

Lithology: cons. sand Origin: US Aquifer Thickness: 2 ft

Length of well open to: 105 ft Depth to top of: 50 ft 209 ft

MINOR AQUIFER: _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

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

Intervals Screened: 10"

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

Depth to basement: _____ ft Source of data: _____

Surficial material: Sand clay Infiltration characteristics: good

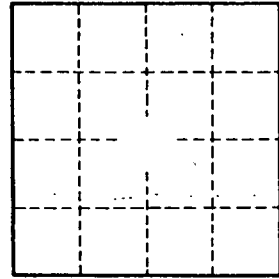
Coefficient Trans: _____ gpd/ft 4.03 Coefficient Storage: 3.05

Coefficient Perm: 380 gpd/ft²; Spec cap: 20 gpm/ft; Number of geologic cards: _____

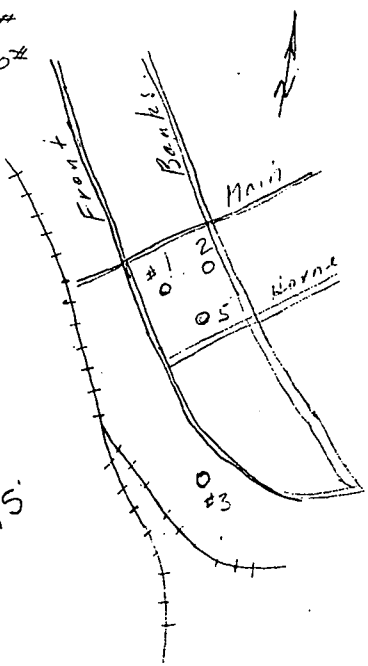
286' of 12"
 43' of 8"
 20' of 8" screen 1/2 shutter.

349 gpm @ 10'
 328 gpm @ 20'
 304 gpm @ 30'

251'



185' of 18"
 61' of 10" Lap.
 50' screen 10"
 @ 476 @ 0
 396 @ 30#
 135
 235
 195-245'



Sand - 165' - 250'

Well No.

B5

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): WAR/DRO DATE: 7/18/94

UNIT DEQ #: 82859 FILE #: A071816B

HEALTH DEPT. #: 510011-02 ELEV. 460

USGS #: B5 OLWR #: GW 01895

OWNER: Town of Union

LOCATION: S 1 T 8N R 11E COUNTY: Newton

LOCATION DESCRIPTION: SW corner of water plant
(Alley that plant is located on)

CASING DIA: 10" PUMP TYPE & SIZE: Turline 30

GPS FIELD LOCATION: LAT. 32-34-220 LONG. 89-07-289W

GPS CORRECTED LOCATION: LAT. 32.570447 LONG. 89.121670

REMARKS: MAIN st + Front st. Alley south of main

#1 AB now using #3

MAIN st / Front st. / Home

Union E. Quad

32 34 14
89 07 18

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-01895

County: NEWTON

Owner: UNION, TOWN OF

Aquifer: MUWX

USGS No: B0005

BOH No: 0510011-02

Location: SE 1/4 of the NE 1/4 of SEC 01 TWN 08N RNG 11E Lat: 32340¹/₁₄ Long: 89071⁴/₈

Quad: UNION EAST

District: N/A

Date Issued: 11-MAR-86

Date Renewed: 09-APR-96

Date Expired: 11-MAR-06

Applicant: UNION, TOWN OF

Owner: UNION, TOWN OF

Address 1: 404 BANK STREET

Address 1: 404 BANK STREET

Address 2: N/A

Address 2: N/A

Address 3: N/A

Address 3: N/A

City: UNION

City: UNION

State: MS Zip: 39365

State: MS Zip: 39365

Driller: LAYNE CENTRAL

Maximum Rate: 400

Amount Withdrawn Acre feet: 134.4383

Amount Withdrawn Mgd: .12

Use

MUNICIPAL

Casing

Type: STEEL

Diameter: 18

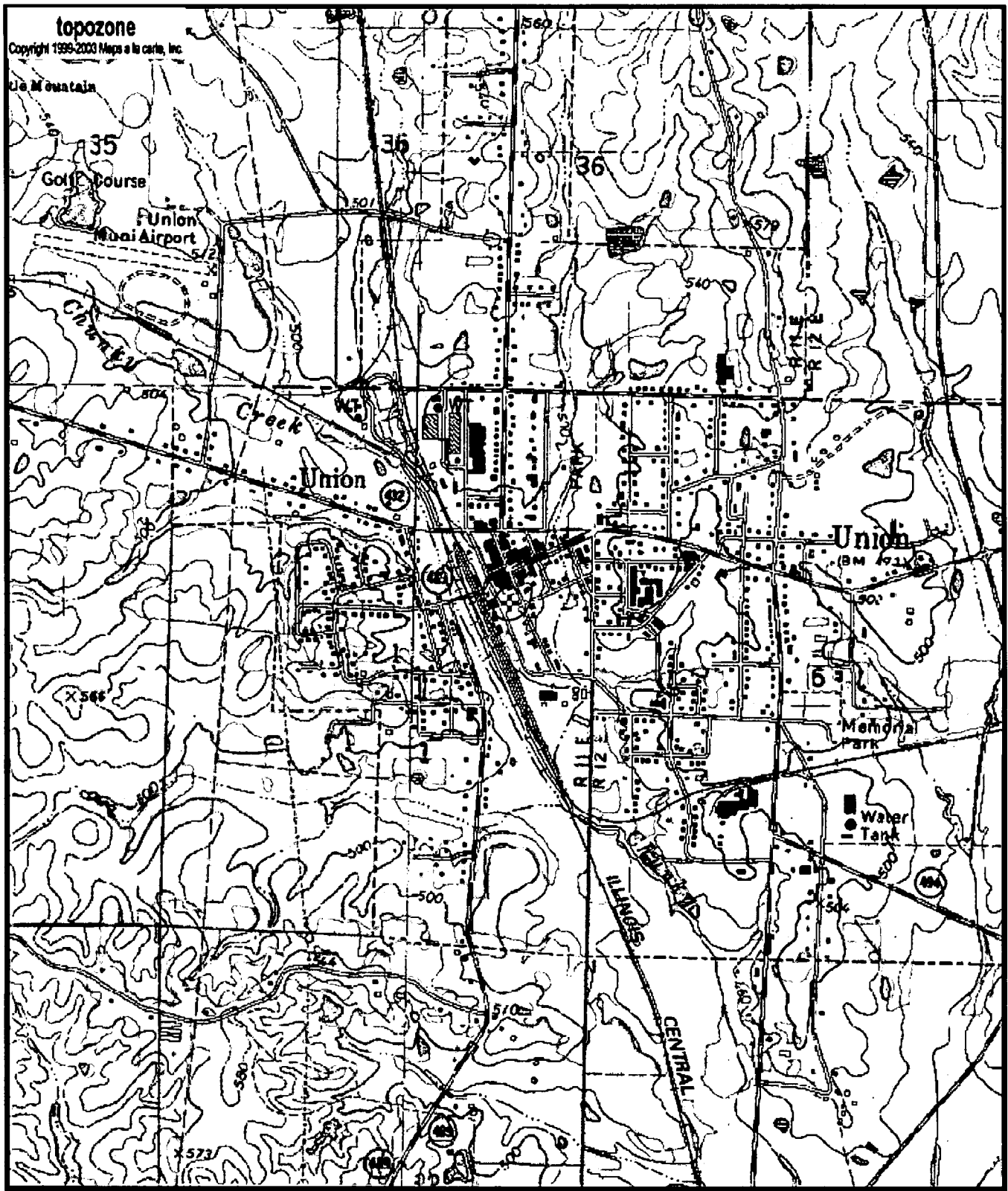
Length: 201

Screen

Type:

Diameter: 10

Length: 50



6W1895
 0510011-02
 B5

0 0.3 0.6 0.9 1.2 1.5 km
 0 0.2 0.4 0.6 0.8 1 mi

Map center is 32° 34' 14"N, 89° 07' 18"W (WGS84/NAD83)
Union East quadrangle
 Projection is UTM Zone 16 NAD83 Datum

M=-0.329
 G=-1.143

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USGS Union, Mississippi, United States C2 Mar 1996



0 100M

0 100yd

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