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Date 2/6/2000

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 69 Well No. B42e  
County NEWTON  
Agency Union East Quad

WELL RECORD

Agency Code U S G S Site ID 1= 323469089071301 Project No. 5=

Station Name B042 UNION Latitude 9= 323409

Longitude 12= B042 UNION Lat/Long AC. Lat/Long Met. Lat/Long Datum Dist Code State Code County Code

10= 0890713 11= F 35= M 36= NAD27 6= 28 7= 28 8= 101

S=GPS, F=+5 sec, T=+10 sec, M=+1 min, b=>1 min

Land Net Location 13= SWSENE S01 T08 N R11 E Meridian I=Chickasaw, O=Choctaw, H=Muntsville, S=St. Stephens, W=Washington

Location Map 14= UNION E Altitude 16= 476. Accuracy 18= 5 Method Meas. 17= M  
A=Altimeter, L=Surveying  
M=TopoMap, b=Unknown

Altitude Datum 22= NAD29 Hydrologic Unit 20= 03170001 Topo Set. 19= Agency Use 803= A I 0 Date Inventoried 711=

Station Type 802= Data Type 804= A I 0 Gr. Time 813= -06 Loc. Time 814= Y Web-R 32= Reliability 3= C L M U Date of Construction 21= 06-16-1999

Well Use 23= W Water Use 24= P Primary Aquifer 714= 124 (SPRT) Hole Depth 27= 305. Well Depth 28= 245. MU

CONSTRUCTION DATA Construction Date 60= 06-16-1999 Contractor 63= 184 Name Griner Method 65= H Finish 66= G

R=58 T=A 723#1

CONSTRUCTION CASING DATA

R=76 T=A 725#1 59#1 77= 0. 78= 145. 79= 20.

R=76 T=A 725#2 59#1 77= . 78= . 79= .

CONSTRUCTION OPENINGS DATA

R=82 T=A 726#1 59#1 83= 145. 84= 245. 87= 12. 85= S 89= 100. 88= .02.

R=82 T=A 726#2 59#1 83= . 84= . 67= . 85= . 89= . 88= .

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43= T Date 38= 06-16-1999 Intake 44= 242

Power 45= E H.P. 46= 60. Serial No. 49=

MISCELLANEOUS OWNERSHIP DATA Date of Ownership 159= 06-16-1999

Owner Name 161= UNION, TOWN OF

MISCELLANEOUS OTHER ID DATA E-Log No. 190= 69 Assigner 191= M I S S I S D I S T

R=189 T=A 736#1

MISCELLANEOUS LOGS DATA

R=198 T=A 739#1 Log Type 199= D Beg. Depth 200= 0. End Depth 201= 305.

R=198 T=A 739#2 Log Type 199= E Beg. Depth 200= 5. End Depth 201= 305.



**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	
NEWTON	
WELL NUMBER	CODED
NEW	
B42	
DATE WELL COMPLETED	
6/9/00	

PERMIT NUMBER
GW-15393
NAME OF DRILLING FIRM
GRINER DRILLING SERVICE

NAME & MAILING ADDRESS OF LANDOWNER			
TOWN OF UNION			
404 BANK STREET			
UNION	MS	39365	
WELL LOCATION	SEC	TOWNSHIP	RANGE
	1	8	(N) 11 (E) W
DISTANCE	DIRECTION	NEAREST TOWN	
.3 Miles	SOUTH	UNION WATER TREATMENT PL.	
OTHER LANDMARK			
WELL PURPOSE Home, Irrigation, Municipal, Industrial, Fish Pond, etc.			
MUNICIPAL			

PUMP DATA			
PUMP TYPE (Circle One):			
Submersible.	(turbine.)	Jet	Flowing Well.
Other (Describe)			
POWER TYPE (Circle One):			
(Electric)	Tractor.	Diesel.	Gasoline. Butane.
Other (Describe)			
H/P		60	
Pump Capacity (GPM)	No of Stages	Setting Depth	
700	5	242 FT.	
PUMP TEST			
Well yielded 700 GPM with			
a drawdown of 38.78 ft.			
after 24 hours of pumping			

WELL DATA		
Well Depth	Casing Diameter (in)	Casing Length (ft)
245'	20	145
Type of Casing	Hole Depth	Depth to Static Water Level
COATED	305'	128.20'
TYPE OF COMPLETION: (Circle One or More):		
(Gravel Packed, Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe))		
WELL GROUTED TO A DEPTH OF 145 FEET		
Type Grout (circle one): Cement, Bentonite, or Mix		

LOG DATA	
TYPE OF LOG RUN (Circle One):	
(Electric, Gamma Ray, Density, Sonic, Neutron, Other (Describe))	No Log Run.
Name of Organization Running Log	
GRINER DRILLING SERVICE, INC.	

GEOLOGIC DATA (Office Use Only)			
Surface Elev	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

SCREEN DATA		
Diameter - inches	Length - Feet	Slot Size - inches
12	90	0.020
Screen Type	Depth to Bottom - Feet	
ROD BASE	245	

Driller's Remarks	
LAP PIPE EXTENDS FROM TOP OF	
SCREEN TO GROUND SURFACE	
Top of Lap Pipe or Reduction in Casing	
+2 FEET	IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
SAND AND GRAVEL	0	50			
CLAY	50	140			
SAND	140	250			
CLAY	250	305			

**RECEIVED**

MAY 04 2000

Dept. of Environmental Quality  
Office of Land & Water Resources

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please sketch and show depths.

GROUND LEVEL


SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

RECEIVED

MAY 1 1988

Office of Land & Water Resources  
Dept. of Environmental Quality

If more than one screen,  
show location of each on sketch.

**DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-  
PUBLIC SUPPLY WELLS PROJECT**

**GPS LOG**

USER NAME (S) : RLB

DATE : 9-22-2004

UNIT DEQ # : \_\_\_\_\_

FILE # : \_\_\_\_\_

HEALTH DEPT. # 510011-04

ELEVATION : \_\_\_\_\_

USGS # : B42

OLWR # : GW-15393

OWNER : UNION, TOWN OF

QUAD : UNION EAST

LOCATION : \_\_\_\_\_ S \_01\_\_\_\_\_ T \_8N \_\_\_ R 11E\_\_\_ COUNTY  
NEWTON

LOCATION DESCRIPTION : NEWEST WELL, FROM INTERSECTION OF HY  
492 AND HY 489 , TAKE HY 489 GOING WEST FOR 4 BLOCKS , TAKE A LEFT  
ONTO ROAD HEADING SOUTH , JUST BEFORE RAILROAD TRACTS, GO .2  
MILES , WELL ON WEST SIDE OF ROAD, NEXT TO RAILROAD TRACKS

Well on Front Street

CASING DIA : 20

PUMP TYPE & SIZE : TURB.

GPS FIELD LOCATION : LAT 32.56890.

LONG. -89.12117

GPS CORRECTED LOCATION : LAT. \_\_\_\_\_ LONG. \_\_\_\_\_

REMARKS :

\_\_\_\_\_  
\_\_\_\_\_

Department of Environmental Quality  
Office of Land and Water Resources

Ground Water Permit  
General Report

Permit Number: MS-GW-15393

County: NEWTON

Owner: UNION, TOWN OF

Aquifer: MUWX

USGS No: B0042

510011-04  
BOH No: N/A

Location: NE 1/4 of the SE 1/4 of SEC 01 TWN 08N RNG 11E Lat: 323408 Long: 890717

Quad: UNION EAST

District: N/A

Date Issued: 09-MAR-99

Date Renewed:

Date Expired: 09-MAR-09

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: GRINER DRILLING SERVICE, INC

Maximum Rate: 700

Amount Withdrawn Acre feet: 235.267

Amount Withdrawn Mgd: .21

Pic 0150  
32.56890  
89.12117

Use

MUNICIPAL

Casing

Type: OTHER

Diameter: 20

Length: 145

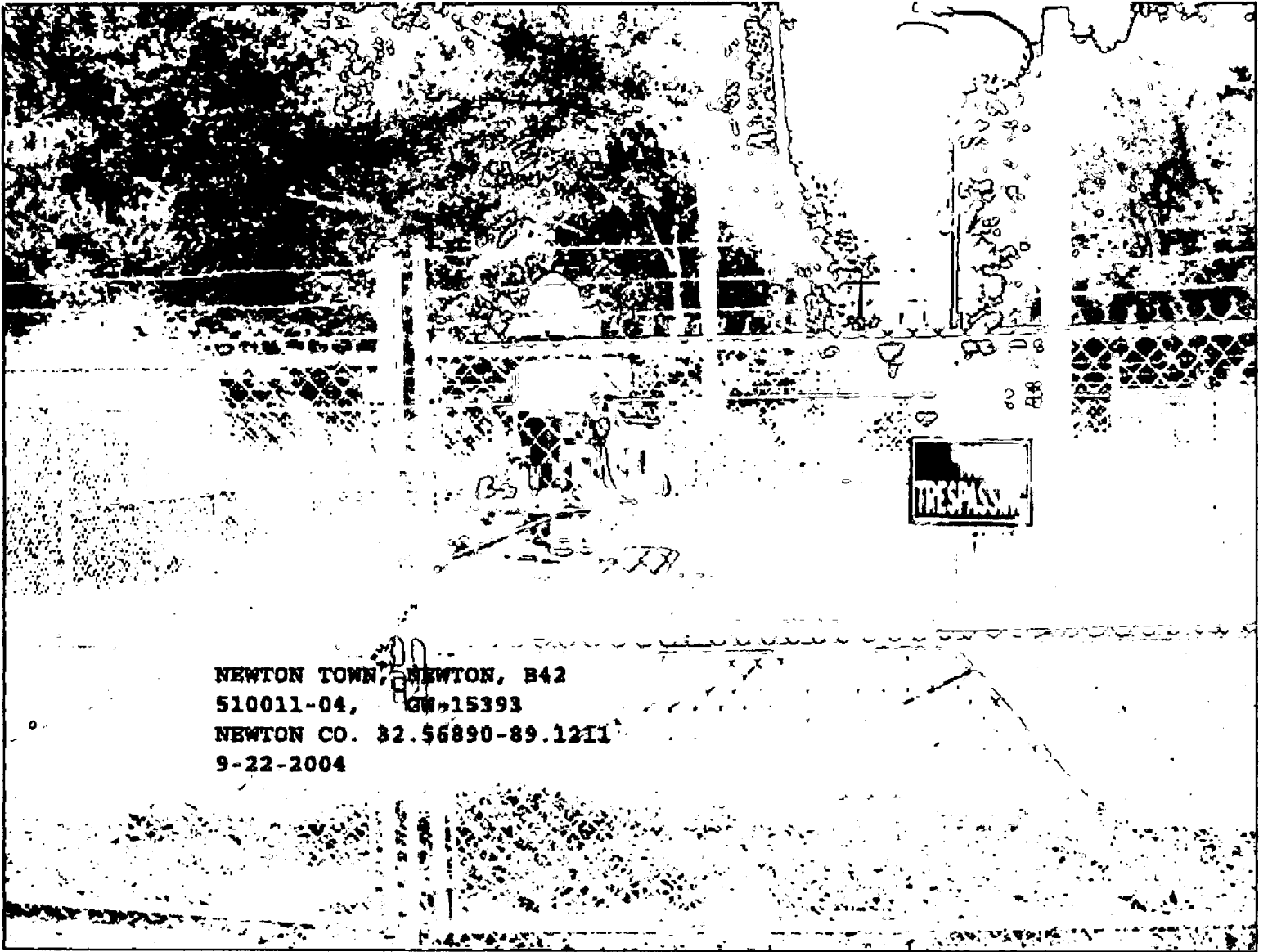
Screen

Type: STEEL

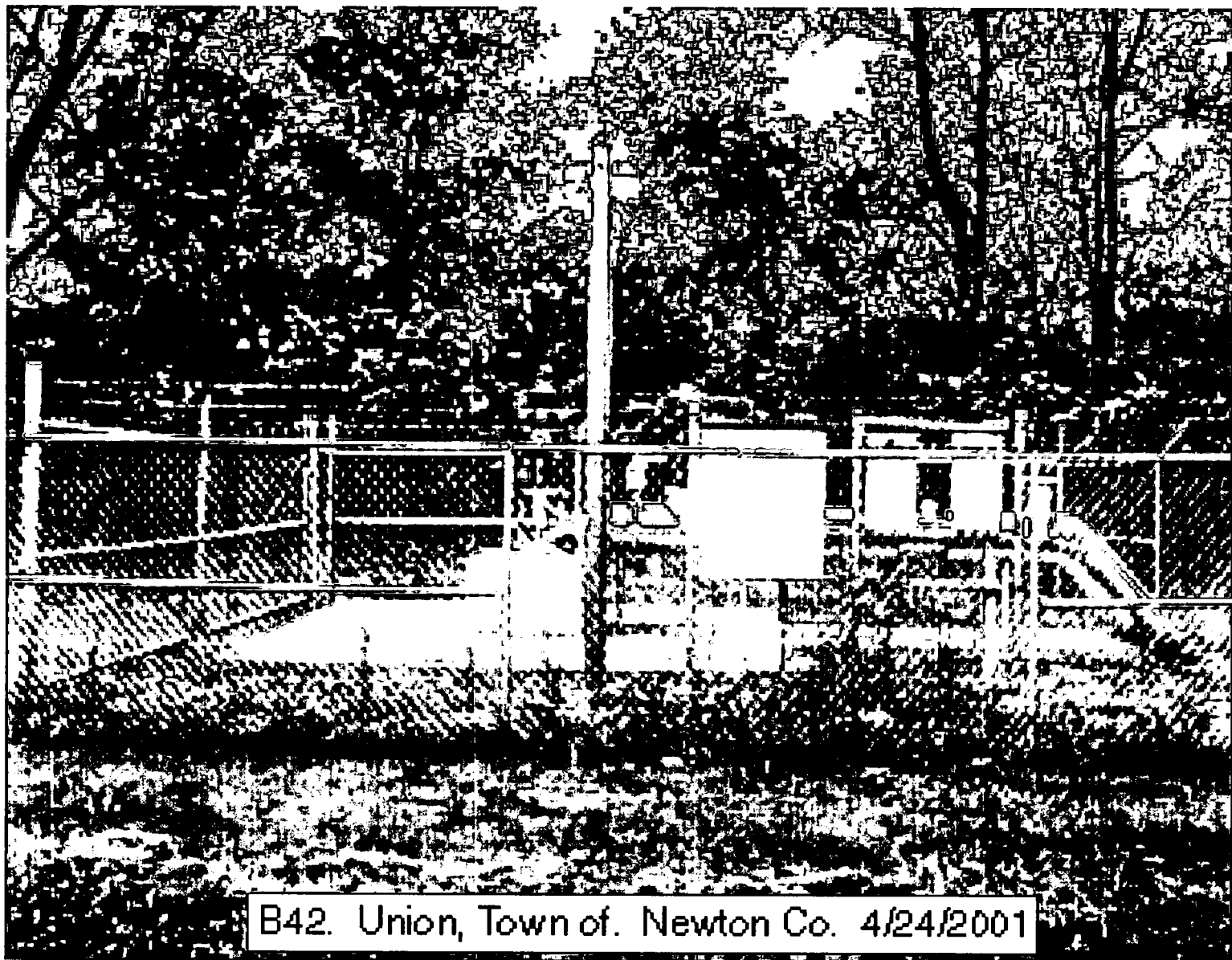
Diameter: 121

Length: 90

From Intersection of 492 + 489, Take 489 going west  
For 4 Blocks + take a LEFT onto road just before  
railroad Tract. Go south 2 Miles - well on west side of Road  
next to railroad Tracts

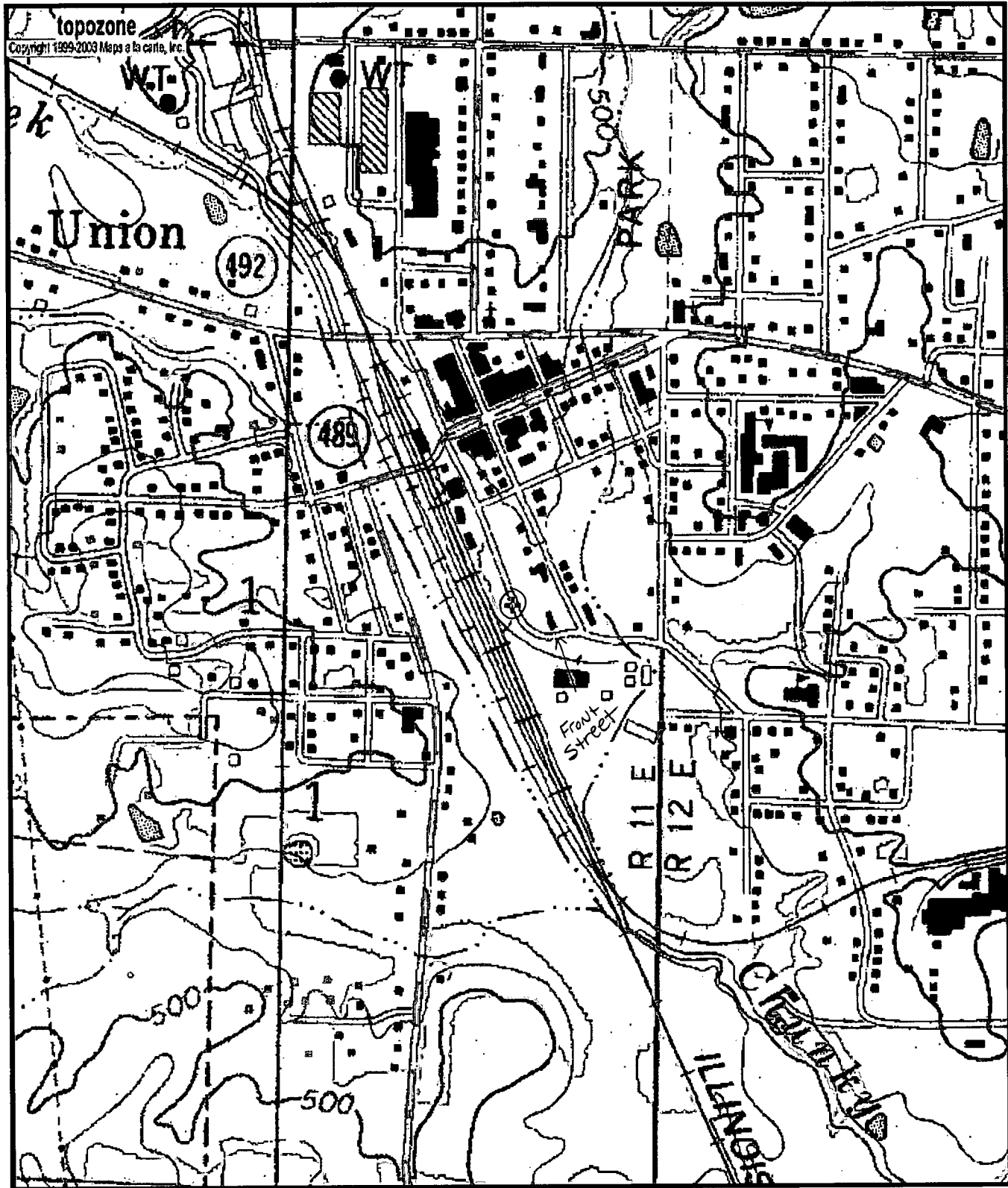


NEWTON TOWN, NEWTON, B42  
510011-04, GW-15393  
NEWTON CO. 32.56890-89.1211  
9-22-2004



B42. Union, Town of. Newton Co. 4/24/2001





B42  
 GW15393  
 0510011-04

0 0.1 0.2 0.3 0.4 0.5 km  
 0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 32° 34' 08"N, 89° 07' 16"W (WGS84/NAD83)  
**Union East** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

↑  
 M=-0.359  
 G=-1.142