

Coded By Q. 1/91  
Checked By W. S. 5-12-92  
Entered By W. S. M.  
Date 4/21/92

**GW 12889**  
U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

**0510011-03**  
E-Log No. 56  
County NEWTON  
Agency \_\_\_\_\_  
Well No. B41

WELL RECORD

Agency Code U S G S Site Id 13234090890716011 Project No. 56 **UNION EAST QUAD**  
Station Name 12-6041 UNION Latitude 9-3234091 Longitude 10-081907161  
Lat/Long Ac. 11-S F T M Dist 6-28 State 7-28 County 8-1011 SW Land Net 13-SENIE SIO11T108N1R11E2  
Location Map 14-UNION EAST Altitude 16-475 Met/Meas 17-A L M Accuracy 18-15 Hydrologic Unit 20-1031700011  
Agency Use 803-A I D Date Inventoried 711 Station Type 4 Data Type 804

Instru. 805 Remarks \_\_\_\_\_ Relia. 3-C L M U 2-W X **MU**  
Date of Construction 21-01/102/119911 Well Use 23-W Water Use 24-P Primary Aquifer 714-124MUNX Hole Depth 27-12611  
Well Depth 28-252 Water Level 30-12114 Water Level Date 31-10/1011/119911 Method 34- Status 37- Source 33-D

CONSTRUCTION DATA  
R=58 T=A 723#1 Construction Date 60-10/1011/119911 Contractor 63-184 Name Griner Method 65-R Finish 66-G

CONSTRUCTION CASING DATA  
R=76 T=A 725#1 59#1 Top/Casing 77-101 Bot/Casing 78-157 Diameter 79-201  
R=76 T=A 725#2 59#1 Top/Casing 77-101 Bot/Casing 78-160 Diameter 79-121

CONSTRUCTION OPENINGS DATA  
R=82 T=A 726#1 59#1 Top/Depth 83-160 Bot/Depth 84-252 Diameter 87-121 Type 85-S Length 89-1 Width 88-1016  
R=82 T=A 726#2 59#1 Top/Depth \_\_\_\_\_ Bot/Depth \_\_\_\_\_ Diameter 87-1 Type 85- Length 89- Width 88-

CONSTRUCTION LIFT DATA  
R=42 T=A 254#1 Lift Type 43-T Date 38-10/1011/119911 Intake 44-12351  
Power 45-E H.P. 46-50 Serial No. 49-

MISCELLANEOUS OWNER DATA  
R=158 T=A 718#1 Date of Ownership 159-10/1011/119911 Owner Name 161-UNION

MISCELLANEOUS OTHER ID DATA  
R=189 T=A 736#1 E-Log No. 190-0561 Assigner 191-M I S S I D I S T

12711

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934     /     /                 *	Aquifer Sampled 1954                             *	Temp 196#00010	Value 1974                             *
R=192	T=A	738#2	Date of Measurement 1934     /     /                 *	Aquifer Sampled 1954                             *	Sp Cond 196#00095	Value 1974                             *
R=192	T=A	738#3	Date of Measurement 1934     /     /                 *	Aquifer Sampled 1954                             *	pH 196#00400	Value 1974                             *

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 1994E	Req. Depth 2004   501   *	End Depth 2014   2611   *
R=198	T=A	739#1	Log Type 1994	Req. Depth 2004                 *	End Depth 2014                 *

MISCELLANEOUS NETWORK DATA *706 = QW WL WD \**

R=114	T=A	730#1	Beg. Year 1154   9         *	End Year 1164   9         *	Agency Source 120=A	117#                 *	Freq. 1184         *
R=121	T=A	730#2	Beg. Year 1154   9         *	End Year 1164   9         *	Agency Source 117#                 *	Freq. 1184         *	

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 1844     /     /                 *	Remarks 1854                             *
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 1484   10   01   1994	Type 703 @ F	Discharge <i>e40#</i> 1504   1755         *	Sp. Capacity 2724                 *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 914   160         *	Depth Bot. 924   250         *	Unit Id 934   124M1U1X         *	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 1004                     *	1034         *
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38.3' dd @ 755gpm

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Comments)	FROM	TO
CLAY	0	20	Rock (Hard) + SAND	135	168
ROCK	20	23	SAND	168	248
CLAY	23	26	CLAY, BLUE	248	275
ROCK	40	42			
CLAY	42	50			
ROCK	50	57			
CLAY	57	75			
ROCK	75	86			
CLAY	86	84			
ROCK	84	86			
CLAY	86	95			

IF MORE SPACE IS NEEDED, USE BACK

**MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES**  
Bureau of Land and Water Resources

P.O. Box 1063  
Jackson, Mississippi 392  
WATER WELL DRILLERS LC

COUNTY WELL LOCATED  
**NEWTON**

WELL NUMBER  
**5**

CODED  
**B41**

DATE WELL COMPLETED  
**001. 1991**

PERMIT NUMBER  
**19889**

NAME OF DRILLING FIRM  
**GRINER DRILLING SER.**

NAME & MAILING ADDRESS OF LANDOWNER  
**TOWN OF UNION**

**404 BONK ST. UNION**

**MISS**

WELL LOCATION: SEC TOWNSHIP RANGE  
**SUSSEX 1 8 N 11 E**

DISTANCE DIRECTION NEAREST TOWN  
**HORNE ST.**

OTHER LANDMARK

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

**PUMP DATA**

PUMP TYPE (Circle One):  
Submersible, **Turbine**, Jet, Flowing W.  
Other (Describe)

POWER TYPE (Circle One):  
**Electric**, Tractor, Diesel, Gasoline, But  
Other (Describe) H/P **50**

Pump Capacity (GPM)	No. of Stages	Setting Depth
<b>700</b>	<b>5</b>	<b>235</b> FT.

PUMP TEST

Well yielded **755** GPM with  
a drawdown of **38.25** ft.  
after **24** hours of pumping

**WELL DATA**

Well Depth <b>252</b>	Casing Diameter (In.) <b>20</b>	Casing Length (Ft.) <b>176.54</b>
Type of Casing <b>Steel</b>	Hole Depth <b>275</b>	Depth to Static Water Level <b>121.40</b>

TYPE OF COMPLETION (Circle One or More):  
**Gravel Packed**, **Underreamed**, Telescoped,  
Natural Development, Open Hole, Other

Top of Lap Pipe or Reduction in Casing **PVC**  
**72** FEET IF TELESCOPED OR MORE THAN  
ONE SCREEN: USE BACK PAGE

**LOG DATA**

TYPE OF LOG RUN (Circle One):  
**Electric**, **Gamma Ray**, No Log Run,  
Density, Sonic, Neutron,  
Other (Describe)

Name of Organization Running Log  
**GRINER DRILLING SERVICE**

**SCREEN DATA**

Diameter - Inches <b>12</b>	Length - Feet <b>91.64</b>	Slot Size - Inches <b>0.06</b>
Screen Type <b>WIRE WRAPPED SS.</b>	Depth to Bottom - Feet <b>252</b>	

**GEOLOGIC DATA (Office Use Only)**

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top

**RECEIVED**

Remarks  
**AUG 26 1992**

Dept. of Environmental Quality  
Bureau of Land & Water Resources

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
CLAY	0	20	ROCK (HARD) + SAND	135	168
ROCK	20	23	SAND	168	248
CLAY	23	40	CLAY, BLUE	248	275
ROCK	40	42			
CLAY	42	50			
ROCK	50	51			
CLAY	51	75			
ROCK	75	76			
CLAY	76	84			
ROCK	84	86			
CLAY	86	135			

IF MORE SPACE IS NEEDED, USE BACK

RECEIVED

RECEIVED

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAK/DAS DATE: 7/18/95

UNIT DEQ #: 82859 FILE #: A071816C

HEALTH DEPT. #: 510011-03 ELEV. 460

USGS #: B-41 OLWR #: GW 12889

OWNER: Town of Union

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

LOCATION DESCRIPTION: SW CORNER OF WATER PLANT

CASING DIA: 10" PUMP TYPE & SIZE: Turbine / 30

GPS FIELD LOCATION: LAT. 32-34-231N LONG. 89-07-317W

GPS CORRECTED LOCATION: LAT. 32.570351 LONG. 89.121663

REMARKS: See Well #2

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

*Union E. Quad*

32 34 13  
89 07 18

Department of Environmental Quality  
Office of Land and Water Resources

Ground Water Permit  
General Report

Permit Number: MS-GW-12889

County: NEWTON

Owner: UNION, TOWN OF

Aquifer: MUWX

USGS No: B0041

BOH No: 0510011-03

Location: SE 1/4 of the NE 1/4 of SEC 01 TWN 08N RNG 11E Lat: 323415<sup>3</sup> Long: 890718

Quad: UNION EAST

District: N/A

Date Issued: 25-SEP-90

Date Renewed: 25-APR-00

Date Expired: 25-APR-10

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

Maximum Rate: 700

Amount Withdrawn Acre feet: 235.267

Amount Withdrawn Mgd: .21

**Use**

MUNICIPAL

**Casing**

Type: STEEL

Diameter: 20

Length: 176.54

**Screen**

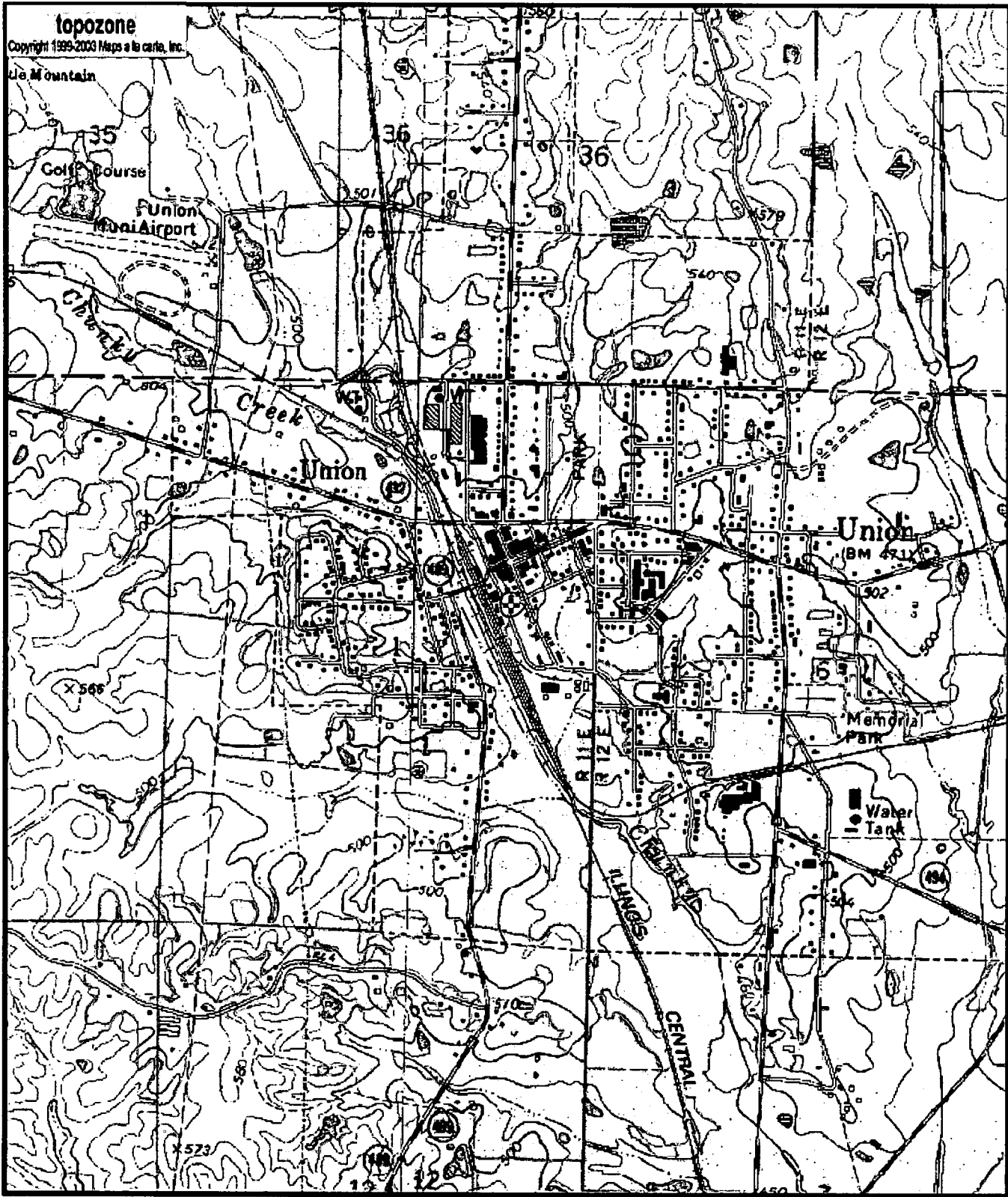
Type: STEEL

Diameter: 12

Length: 91.64

B41. Union, Town of. 510011-03. Newton Co. 4/24/2001





Map center is 32° 34' 13"N, 89° 07' 18"W (WGS84/NAD83)  
**Union East** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

M=-0.329  
 G=-1.143



Send To Printer

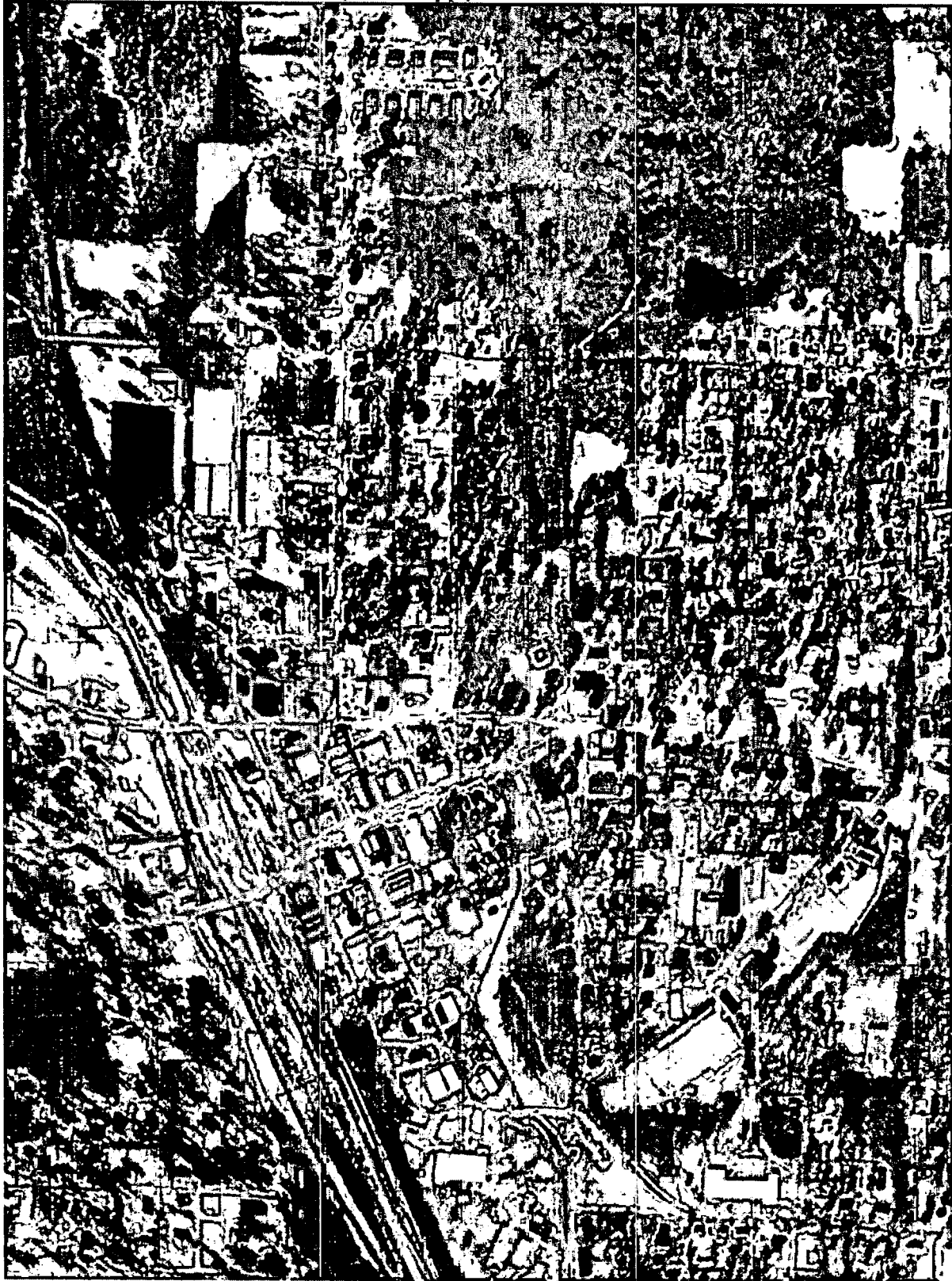
Back To TerraServer

Change to 11x17 Print Size

Show Grid Lines

Change to Landscape

**USGS Union, Mississippi, United States 02 Mar 1996**



0 200m

0 200yd

Image courtesy of the U.S. Geological Survey

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*See other wells for larger scale photo*