

DOM # 0100017-01

GW07702

GPSd 10/31/96 CH

Coded By Q 5/90  
Checked By 0246-12-91  
Entered By LSG  
Date 06-11-91

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI-DISTRICT

E-Log No. 36  
County CHOCTAW  
Agency

Well No. C23

WELL RECORD

Tomnolen Quad

Agency Code: U S G I S Site Id: 133216460892216011 Project No.: 5

Station Name: 12 CO23 UNION WA Latitude: 93321646 Longitude: 1040892216

Lat/Long Ac.: 11 (S) F T M Dist: 6=28 State: 7=28 County: 8=019 Land Net: 13 S E S E S O 5 T I I 8 N R I 0 9 E I

Location Map: 14= T I O M N O L E N I Altitude: 16=450 Met/Meas: 17= A L M Accuracy: 18= 1 5 Hydrologic Unit: 20= 10810161021011

Agency Use: 803= A I O Date Inventoried: 711= Station Type: Y Data Type: 804=

Instru.: 805= Remarks: 806= Relia.: 3= (C) L M U 2= (W) X

Date of Construction: 21= 12/01/1990 Well Use: 23= W Water Use: 24= P Primary Aquifer: 714= 124 W L C X L Hole Depth: 27= 567

Well Depth: 28= 417 Water Level: 30= 128 Water Level Date: 31= 12/01/1990 Method: 34= Status: 37= Source: 33= D

CONSTRUCTION DATA

R=58, T=A, 723#1, Construction Date: 60= 12/01/1990, Contractor: 63= 0211, Name: Herndon, Method: 65= H, Finish: 66= 5

CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	77# 10	78# 1336	79# 181
R=76	T=A	725#2	59#1	77# 1273	78# 1336	79# 14

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	83# 1336	84# 1417	87# 14	85# S	89#	88# 1020
R=82	T=A	726#2	59#1	83#	84#	87#	85#	89#	88#

CONSTRUCTION LIFT DATA

R=42, T=A, 254#1, Lift Type: 43= S, Date: 38= 12/01/1990, Intake: 44= 1210

Power: 45= F, H.P.: 46= 115, Serial No.: 49=

MISCELLANEOUS OWNER DATA

R=158, T=A, 718#1, Date of Ownership: 159= 12/01/1990, Owner Name: 161= UNION WA

MISCELLANEOUS OTHER ID DATA

R=189, T=A, 736#1, E-Log No.: 190= 036, Assigner: 191= M I S S I D I S T

MISCELLANEOUS QM DATA

R=192	T=A	738#1	Date of Measurement 1934     /     7     1     *	Aquifer Sampled 195                 *	Temp 196#00010	Value 197           *
R=192	T=A	738#2	Date of Measurement 1934     /     /         *	Aquifer Sampled 195                 *	Sp Cond 196#00095	Value 197           *
R=192	T=A	738#3	Date of Measurement 1934     /     /         *	Aquifer Sampled 195                 *	pH 196#00400	Value 197           *

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E   *	Beg. Depth 200     150     *	End Depth 201     151   6   3     *
R=198	T=A	739#2	Log Type 199#D   *	Beg. Depth 200         0     *	End Depth 201     151   0   7     *

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

R=114	T=A	730#1	Beg. Year 115   4   9       *	End Year 116   4   9       *	Agency Source 120=A   117#         *	Freq. 118         *
R=121	T=A	730#2	Beg. Year 115   4   9       *	End Year 116   4   9       *	Agency Source 117#         *	Freq. 118         *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184     /     /         *	Remarks 185           *
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DISCHARGE DATA

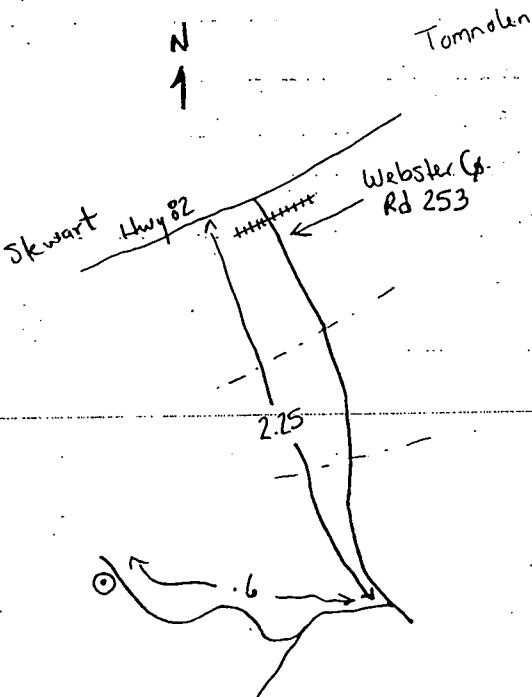
R=146	T=A	Pump/Flow	147#1	Date 148   12   10   11   19   90   *	Type 703#P   *	Discharge 150     11   40       *	Sp. Capacity 272     14   18     *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91   3   4   10       *	Depth Bot. 92   4   1   15       *	Unit Id 93   1   2   4   W   L   C   P     *	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100                 *	103           *	Test #1 for well #1
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$140 / 29.08 = 4.8 \text{ gpm/ft @ (24 hrs)}$

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Red Clay	0	10	Sand	385	425
Red Sand	10	50	Clay w/strks sand lign	425	490
Coarse Sand	50	105	Clay	490	502
Sand & Clay Streaks	105	130	Tight Sand	502	546
Clay	130	150	(530' Rock 6")		
Sand, Clay & Lignite	150	160	Clay	546	567
Rock	160	161	(550' Rock 8")		
Clay(215' Rock 6")	161	235			
Sand	235	315			
Clay, Sand Strks, lignite	315	385			
(260' Rock 1")					

T

**MISSISSIPPI**  
**STATE DEPARTMENT OF**  
**HEALTH**

Alton B. Cobb, M.D., M.P.H.  
 State Health Officer

Reply To: \_\_\_\_\_  
 DIVISION OF WATER SUPPLY  
 PHONE: 960-7518

P.O. Box 1700 2423 North State Street Jackson, Mississippi 39215-1700 (601) 960-7400  
**REPORT OF INSPECTION OF DRINKING WATER SUPPLY**

PWS 100017 Class D

An inspection of the Union Water Association water supply in Choctaw County was made on 4-27, 19 92. Present at the time of inspection were: Mr. Kerry Gregory, County Environmentalist; and the writer

Official Mr. Robert E. Pruitt, President Address P. O. Box 192, Eupora, MS 39744 W.W. Operator same Address same No. Connections 69 No. Meters 90\* Population Served 186 Field Chemical Analysis: pH     Cl<sub>2</sub> 1.2 mg/l H<sub>2</sub>S Odor     Iron     Point of Sampling pressure tank Water Rates    

\* - some customers have meters but have not begun using the connection

**COMMENTS**

1. At the time of inspection, the water system appeared to be well maintained and operating properly.
2. All community water supplies are required to have a certified operator. System officials should begin immediately to search for a certified operator or send someone to the waterworks operators short course which will be held at Mississippi State University May 18 through 23.
3. Grass and weeds should be cut periodically to facilitate maintenance and/or repair.
4. At the time of the inspection, the pressure tank was waterlogged. For optimum operating efficiency, the water level in the pressure tank should range from 1/3 of the tank volume at ON to 1/2 of the tank volume at OFF. This will reduce the number of ON-OFF cycles per day, thus reducing the power costs and pump wear.
5. When repairs are made on the water distribution system, all lines affected should be properly chlorinated and flushed before they are placed back in service.
6. We recommend that steel tanks be inspected for paint coating failure, corrosion, rust, and structural integrity at least every five years.
7. All persons filling chemical solution tanks with water from a public water system should be required to install equipment which will prevent back-siphonage of the chemicals into the water distribution system. If, for any reason, pressure on the water system fails only a brief period of time, toxic chemicals can be siphoned into the distribution system.

100017

EXAMPLE

TO BE COMPLETED ON ALL NEW SUPPLIES  
MISSISSIPPI COMMUNITY PWS INVENTORY

~~100017~~

PWS Name: Union WIA ; PWS ID: 0100017 (to be assigned)  
 Street: P.O. Box 192 Owner: Robert E. Pruitt, President Association  
 City: Eupora Phone: (601) 258-  
 STATE: MS Zip Code: 39744 WW Operator: none  
 System Class: 0 Operator Certificate # : \_\_\_\_\_  
 Population: 186 Address: \_\_\_\_\_  
 Connections: 69 City : \_\_\_\_\_  
 Source: G G-ground State : MS Zip code: \_\_\_\_\_  
           W-purchased ground  
 Consecutive: N (Y or N) Phone: \_\_\_\_\_  
 County: \_\_\_\_\_ Federal County Code Bact Samp Reg : \_\_\_\_\_ (to be assigned)  
 Last Survey: 4-27-92 (Date of this Survey) Compliance Cycle: M  
 Surveyor: K.A. Laboratory: \_\_\_\_\_ (to be assigned)

SOURCE INFORMATION

Source Name (well field or name of supply and I.D. No. if purchased)	Source Code (G-ground W-purchased)	Wells (No. of wells 0 if purchased)
<u>well field</u>	<u>G</u>	<u>1</u>

# MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES

Bureau of Land and Water Resources

COUNTY WELL LOCATED <b>Choctaw</b>	
WELL NUMBER <b>1 C23</b>	CODED <input checked="" type="checkbox"/>
DATE WELL COMPLETED <b>12/90</b>	

PERMIT NUMBER
NAME OF DRILLING FIRM <b>Herndon Well &amp; Supply</b>
<b>Shannon, MS</b>

P.O. Box 10631  
Jackson, Mississippi 39209  
**WATER WELL DRILLERS LOG**

NAME & MAILING ADDRESS OF LANDOWNER <b>Union Water Association</b>			
Eupora, MS			
WELL LOCATION:	SEC	TOWNSHIP	RANGE
	5	18 N	09 E
		<del>S</del>	<del>W</del>
DISTANCE	DIRECTION		NEAREST TOWN
5	Miles SW		of Tomnolen
OTHER LANDMARK			
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <b>Municipal</b>			

PUMP DATA		
PUMP TYPE (Circle One): <b>15 HP</b>		
<input checked="" type="checkbox"/> Submersible	Turbine	Jet      Flowing Well
Other (Describe) _____		
POWER TYPE (Circle One):		
<input checked="" type="checkbox"/> Electric	Tractor	Diesel      Gasoline      Butane
Other (Describe) _____		
Pump Capacity (GPM)	No. of Stages	Setting Depth
140	9	210 FT.
PUMP TEST		
Well yielded _____ 140 _____ GPM with		
a drawdown of _____ 29.08 _____ ft.		
after _____ 24 _____ hours of pumping		

WELL DATA		
Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
417	8	336
Type of Casing	Hole Depth	Depth to Static Water Level
Steel	567	128
TYPE OF COMPLETION: (Circle One or More):		
<input checked="" type="checkbox"/> Gravel Packed	<input type="checkbox"/> Underreamed	<input type="checkbox"/> Telescoped
<input type="checkbox"/> Natural Development	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Other
(Describe) _____		
Top of Lap Pipe or Reduction in Casing		
273	FEET	IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

LOG DATA	
TYPE OF LOG RUN (Circle One):	
<input checked="" type="checkbox"/> Electric	No Log Run, Gamma Ray, Density, Sonic, Neutron
Other (Describe) _____	
Name of Organization Running Log	
<b>Herndon Well &amp; Supply, Inc.</b>	

SCREEN DATA		
Diameter - Inches	Length - Feet	Slot Size - Inches
4	81'4"	.020
Screen Type	Depth to Bottom - Feet	
SS Ribbed	417	

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Dip	Analysis	Acoustic Log
Driller's Remarks			
RECEIVED			
DEC 26 1990			
417 61 736			
Department of Natural Resources Bureau of Land & Water Resources			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM		TO		FORMATIONS (Continued)	FROM		TO	
Red Clay		0		10	Sand	385		425	
Red Sand		10		50	Clay w/strks sand lign	425		490	
Coarse Sand		50		105	Clay	490		502	
Sand & Clay Streaks		105		130	Tight Sand	502		546	
Clay		130		150	(530' Rock 6")				
Sand, Clay & Lignite		150		160	Clay	546		567	
Rock		160		161	(550' Rock 8")				
Clay(215' Rock 6")		161		235					
Sand		235		315					
Clay, Sand Strks, lignite		315		385					
(260' Rock 1")									
IF MORE SPACE IS NEEDED, USE BACK									



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hot/beat DATE: 10/31/96

UNIT DEQ #: 82859 FILE #: B110100A

HEALTH DEPT. #: 100017-01 ELEV. \_\_\_\_\_

USGS #: C23 OLWR #: Gw07702

OWNER: Union W/A QUAD: Tom Nolen

LOCATION: SE-SE S5 T18N R9E COUNTY: Choctaw

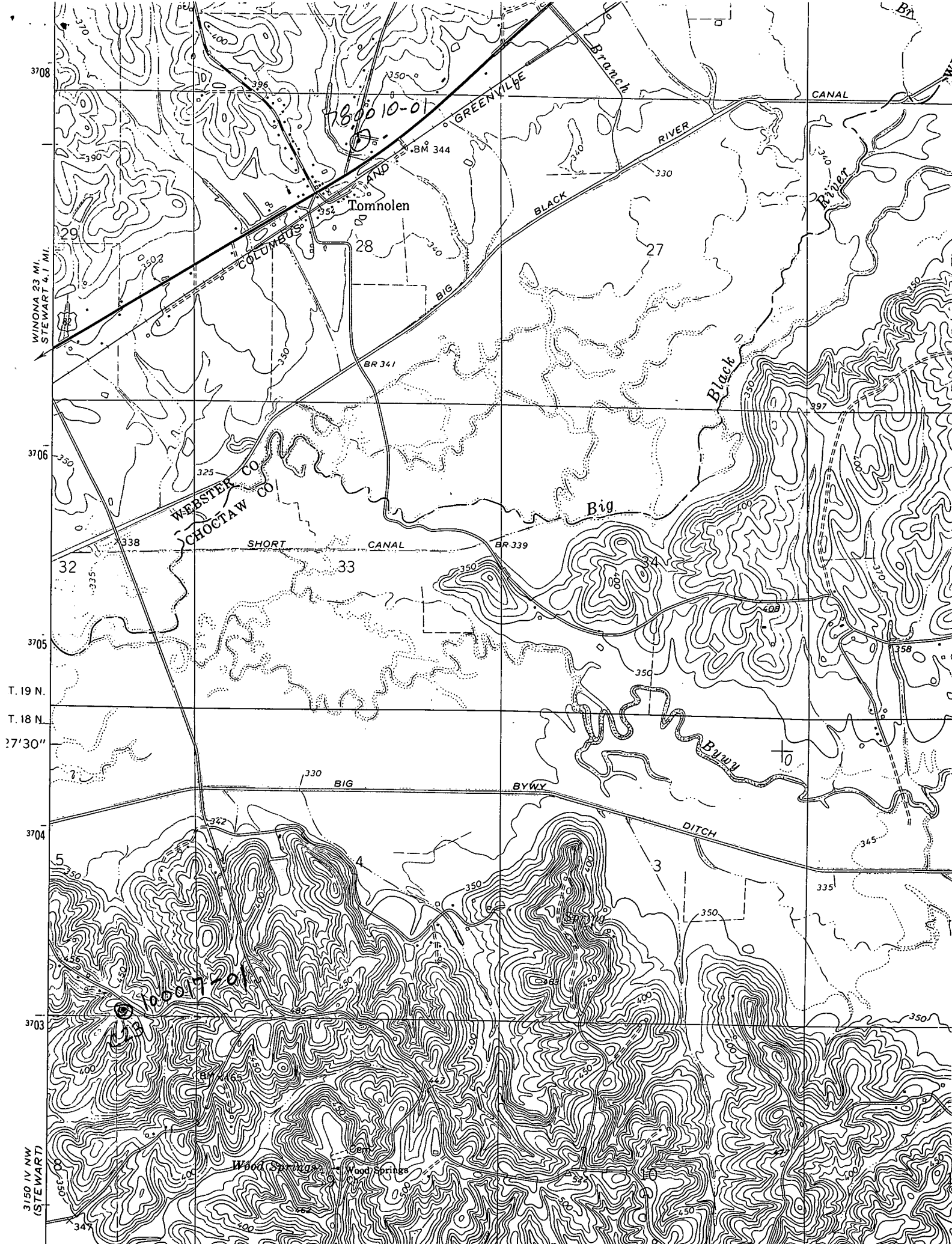
LOCATION DESCRIPTION: AT Plant + Ground Tank on South side of Wilson Rd.

.45 mi. NW of Inter section with Talley Rd. 15 mi.  
SW of Intersection with Chester-Tom Nolen Rd.  
CASING DIA: 10" PUMP TYPE & SIZE: Submersible

GPS FIELD LOCATION: LAT. 33°26'47.2" LONG. 89°22'13.9"

GPS CORRECTED LOCATION: LAT. 33.44607320 LONG. 89.37048761

REMARKS: GPS at Well.  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



WINONA 23 MI.  
STEWART 4.1 MI.

800 10-01

COLUMBUS

Tomnolen

WEBSTER CO  
CHOCTAW CO

SHORT CANAL

BIG

BYWY

DITCH

Wood Springs

3150 IV NW  
(STEWART)