

250021-04 OK  
GW-12817

Utica West Quad

Coded By 03/87  
Checked By  
Entered By  
Date

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 879  
County HINDS  
Agency

Well No. 546

247C

WELL RECORD

Agency Code: U.S. G. S. Site Id: 13203490903824021 Project No. 54

Station Name: 12-50146 REEDTOWN W IA Latitude: 9-320349 Longitude: 10409103824

Lat/Long Ac.: 11-S F T M Dist: 6-28 State: 7-28 County: 8-049 NE Land Net: 13-MENIESTATIDISIR1014W

Location Map: 14-UTICA WEST Altitude: 174 Met/Meas: 17-A L H Accuracy: 18-15 Hydrologic Unit: 20-10810102103

NO DRILLERS LOG

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

Instru.: 805 806 Relia.: 3-CLMU 2-WX moon

Date of Construction: 21-02/102/11987 Well Use: 23-W Water Use: 24-P Primary Aquifer: 714-122CTHL Hole Depth: 27-5011

Well Depth: 28-11910 Water Level: 30-149 Water Level Date: 31-110/29/11987 Method: 34 Status: 37 Source: 33-D

CONSTRUCTION DATA

Construction Date: 60-110/28/11987 Contractor: 63-01601 Name: Rayborn Method: 65-H Finish: 66-G

CONSTRUCTION CASING DATA

Top/Casing	Bot/Casing	Diameter
R=76 T=A 725#1 59#1 77-1101	78-11618	79-112
R=76 T=A 725#2 59#1 77-1101	78-11701	79-118

CONSTRUCTION OPENINGS DATA

Top/Depth	Bot/Depth	Diameter	Type	Length	Width
R=82 T=A 726#1 59#1 83-1170	84-11910	87-118	85-S	89-111	88-10112
R=82 T=A 726#2 59#1 83-1111	84-1111	87-111	85-11	89-111	88-1111

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type: 43-T Date: 38-110/28/11987 Intake: 44-1150

Power: 45-E H.P.: 46-115 Serial No.: 49

MISCELLANEOUS OWNER DATA

Date of Ownership: 159-110/28/11987 Owner Name: 161-REEDTOWN W IA

MISCELLANEOUS OTHER ID DATA

E-Log No.: 379 Assigner: 191-MENIESTATIDISIR1014W

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement	1934 02 / 25 / 11 9 8 8	Aquifer Sampled	1954 1222CTH41	Temp	196#00010	Value	197# 16 / 7
R=192	T=A	738#2	Date of Measurement	1934 / / / / / / / /	Aquifer Sampled	1954 / / / / / / / /	Sp Cond	196#00095	Value	197# / / / /
R=192	T=A	738#3	Date of Measurement	1934 02 / 25 / 11 9 8 8	Aquifer Sampled	1954 1222CTH41	pH	196#00400	Value	197# 8 / 12

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type	1994 E	Beq. Depth	200# 142	End Depth	201# 150
R=198	T=A	739#1	Log Type	1994 D	Beq. Depth	200# 10	End Depth	201# 150

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Beq. Year	115# 1 9	End Year	116# 1 9	Agency Source	120# A	117# / / / /	Freq.	118# /
R=121	T=A	730#2	Beq. Year	115# 1 9	End Year	116# 1 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# 10 / 28 / 11 9 8 7	Type	703# P	Discharge	150# 11 / 13	Sp. Capacity	272# 11 / 17
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	91# / / / /	Depth Bot	92# / / / /	Unit Id	93# 1222CTH41	3CA=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100# / / / / / / / /	103# / / / /
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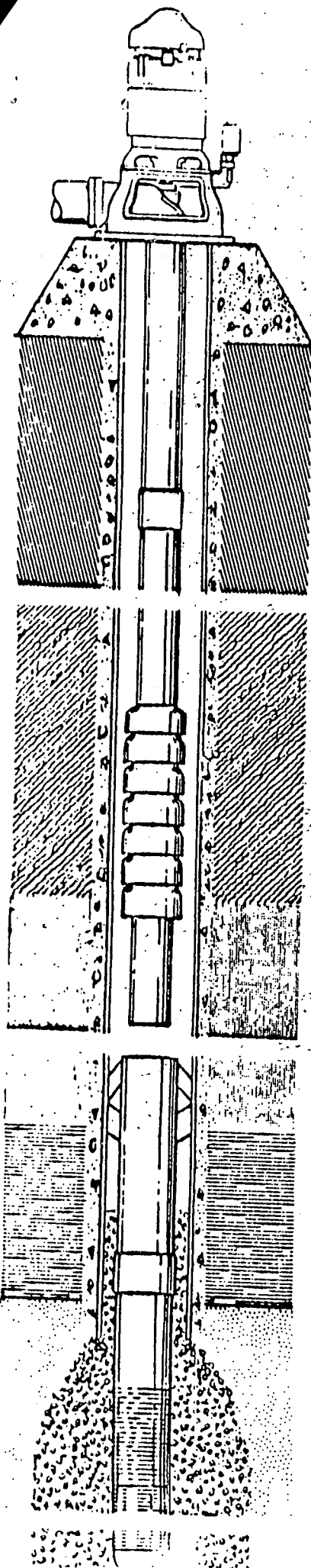
FORMATION DESCRIPTION	DEPTH FROM FEET	DEPTH TO FEET
Top Soil	0	20
Clay	20	40
Clay/Rock	40	60
Clay	60	120
Clay/Sand	120	140
Clay	140	160
Sand	160	180
Sand/Clay	180	200
Clay	200	220
Sand/Clay	220	240
Clay	240	320
Clay/Sand	320	360
Sand/Clay/Lignite	360	380
Clay/Rock	380	420
Sand/Rock	420	440
Clay/Rock	440	460
Rock	460	500

# RAYBORN DRILLING & CONSTRUCTION CO.

Route 5 Box 98  
NATCHEZ, MISSISSIPPI 39120

## LOG FORM

NAME Reedtown Water Association, Inc.  
 LOCATION Utica, MS - Hinds County - NE $\frac{1}{4}$ , NE $\frac{1}{4}$ ,  
 NE $\frac{1}{4}$ , Section 31, Township 3N, Range 4W  
 ENGINEER Alford Engineering-Mr. S.F. Alford, III  
 DRILLER James Johnson LOG. NO. S-17  
 COMPLETED October 28, 1987 ACCEPTED October 29, 1987  
 Sales Engineer Raymond Nettles Field Supervisor Gary Rayborn



### WELL DATA

Length surface casing 0'; size surface casing 0"  
 Cemented N/A No. Sacks N/A Drilled Hole 18"  
 Depth drilled hole 190' Size well casing 12" Type Welded  
 Length well casing 168' cemented Yes No. Sacks 133  
 Size underreamed hole 24" length underreamed hole 20'  
 Size screen 8" type Continuous Slot mfg. by Johnson  
 Slot size .012 material 304 S.S. length screen 20'  
 Lap pipe size 8" lap pipe length 170' type Welded  
 Type gravel Pearl Sands 16-40 Jo. yds. 8 Distance to lap Surface  
 Distance to screen top 170' distance to gravel Surface  
 Distance to screen bottom 190' type bottom Backwash Valve  
 Connection top of lap -- static water level 48.63'

### PUMP DATA

Type Turbine 8LC make Jacuzzi M-A Serial No. 2705  
 Size bowls 8" No. stages 10 Curve No. 81-93 Length bowl 6'  
 Length column 150' size column 4" type column Threaded  
 Size oil tube -- size shaft 1" length suction --  
 Size suction 4" size discharge 4" Head No. 4A WL  
 Overall pump length 3' Length headshaft 43"  
 Type lubrication Water type oiler -- length air line --  
 Rated capacity 125 GPM Total Head 340 IDH  
 RPM 1760 Size foundation 2' X 2' Height 2'

### ELECTRIC MOTOR DATA

Type Turbine (VHS) Make US Serial No. 7175  
 HP 15 Voltage 230/460 RPM 1765 Frame 254 TP  
 Style NRR Phase 3 Cycle 60 AMPS 39.2/19.6  
 Height motor 26 13/16" base 8 1/2" Clutch bore -- Clutch No. --  
 Top bearing No. 7310B-T Lower bearing No. 62102 Lubrication Oil

### SWITCH DATA

Type Joslyn Clark Controls Make Powerformer  
 Catalog No. 211-091 K18RB31603461 Rating KVA-2  
 Volts 240/480 Phase 1 Cycles 60  
 HP rating 15 Size relays 1 -- Relay type Thermal 110 v coil  
 Entrance switch Indoor Type 2 Insulation Class 180  
 Fuse size & type 20 AMP -- FRS Size wire #6 THHN

RAYBORN DRILLING & CONSTRUCTION  
Telephone 445-8930 Route 5, Box 98  
NATCHEZ, MISSISSIPPI 39120

February 2, 1987

Alford Engineering  
Post Office Box 16621  
Jackson, MS 39236-0921

Attention: Mr. S.F. Alford, III

Dear Mr. Alford:

Please see below the driller's formation log for the test hole drilled at Site # 4 on January 30, 1987:

LOCATION: NE $\frac{1}{4}$ -NE $\frac{1}{4}$  Sec. 31 T3N R4W  
Hinds County

<u>FORMATION DESCRIPTION</u>	<u>DEPTH FROM FEET</u>	<u>DEPTH TO FEET</u>
Top Soil	0	20
Clay	20	40
Clay/Rock	40	60
Clay	60	120
Clay/Sand	120	140
Clay	140	160
Sand	160	180
Sand/Clay	180	200
Clay	200	220
Sand/Clay	220	240
Clay	240	320
Clay/Sand	320	360
Sand/Clay/Lignite	360	380
Clay/Rock	380	420
Sand/Rock	420	440
Clay/Rock	440	460
Rock	460	500

Thank you for your attention to this matter.

Sincerely,

Raymond N. Nettles  
General Manager

RNN/ltr

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Everett/Phillips DATE: 6/9/04

UNIT DEQ #: 84090 FILE #: 8060910B

HEALTH DEPT. #: 350021-04 ELEV. 174

USGS #: S46? OLWR #: GW12817

OWNER: Reedtown, WI Quad: Utica W

LOCATION: NE/NW S32 T3N R4W COUNTY: Hinds

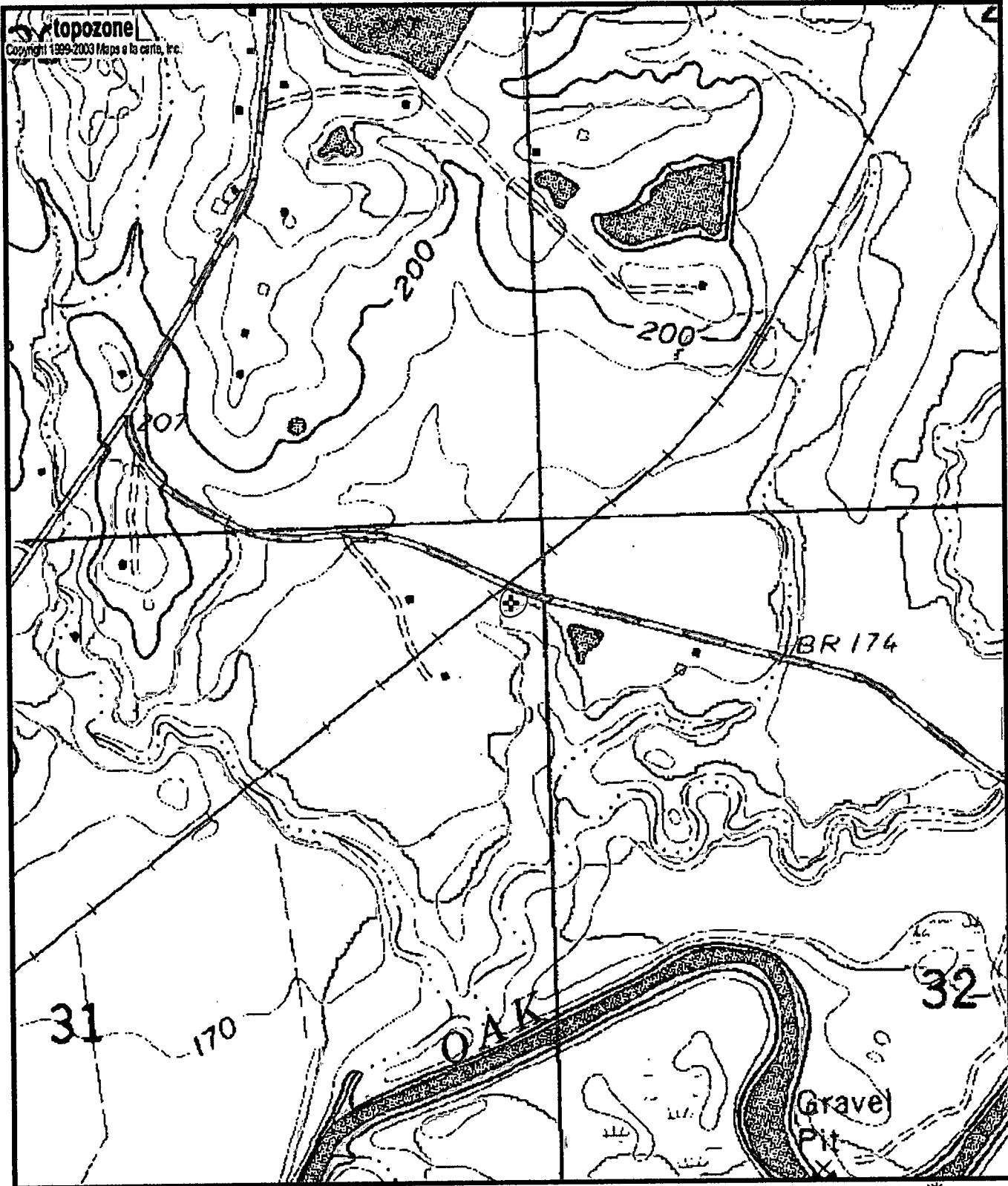
LOCATION DESCRIPTION: On Traxler rd. next to white trailer

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: U.S. motor; 15 HP

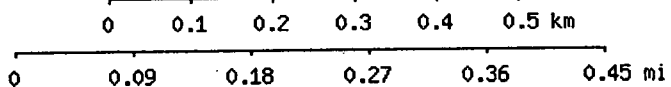
GPS FIELD LOCATION: LAT. 32° 03.791 LONG. 90° 38.341

GPS CORRECTED LOCATION: LAT. 32.0348.908 LONG. 90.38 21.101  
32.06358555 90.63919472

REMARKS: \_\_\_\_\_  
32.0636-90.6392, RLB+DC on April 16, 2002  
32.0636-90.63915 plotted



0250021-  
04  
6W12817  
S4b



Map center is 32° 03' 49"N, 90° 38' 21"W (WGS84/NAD83)

**Utica West** quadrangle

Projection is UTM Zone 15 NAD83 Datum

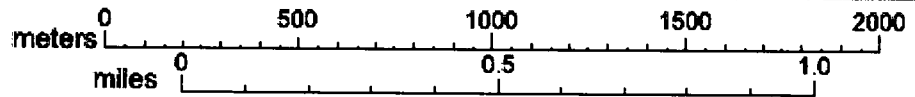
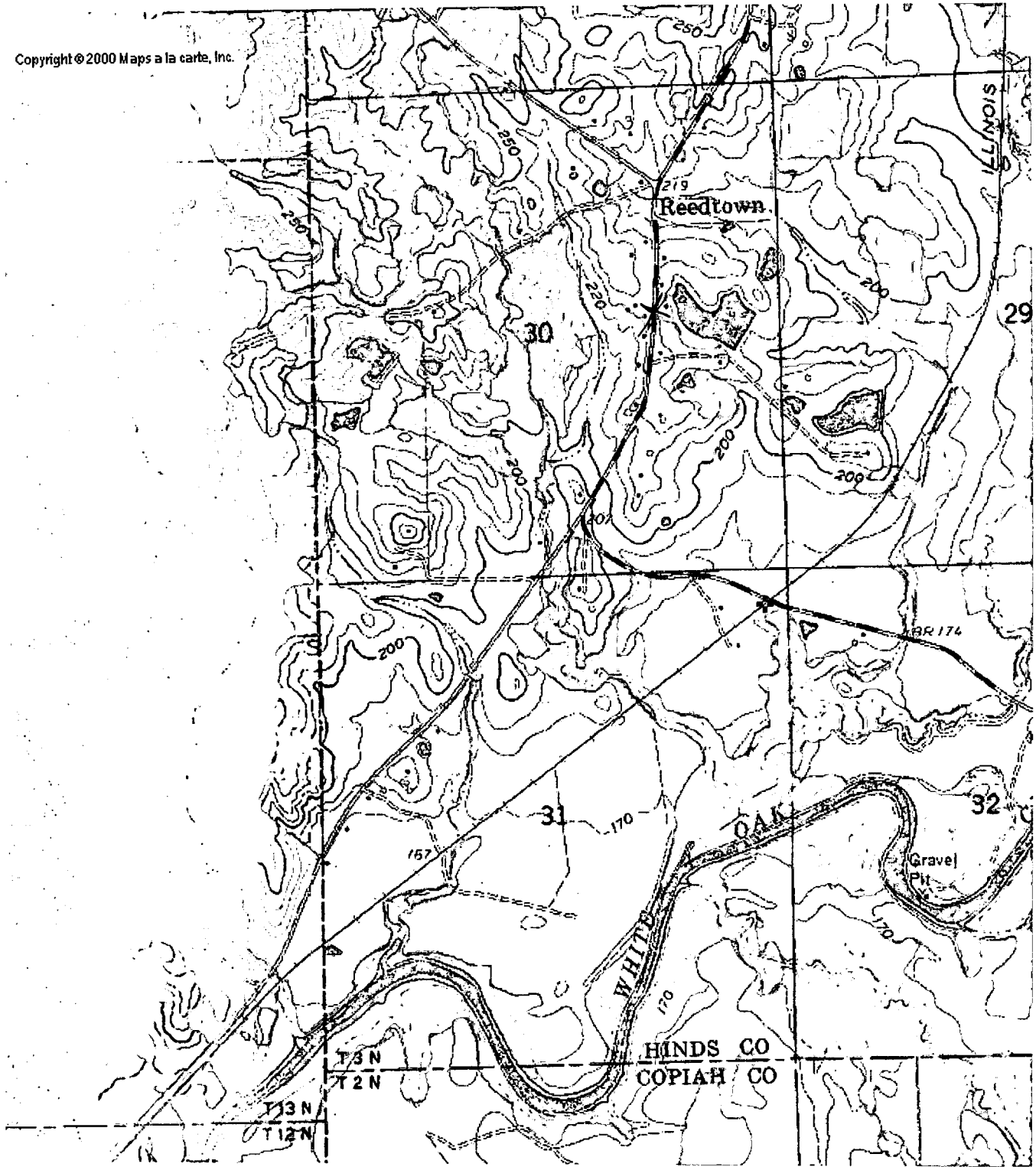
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G=1.254

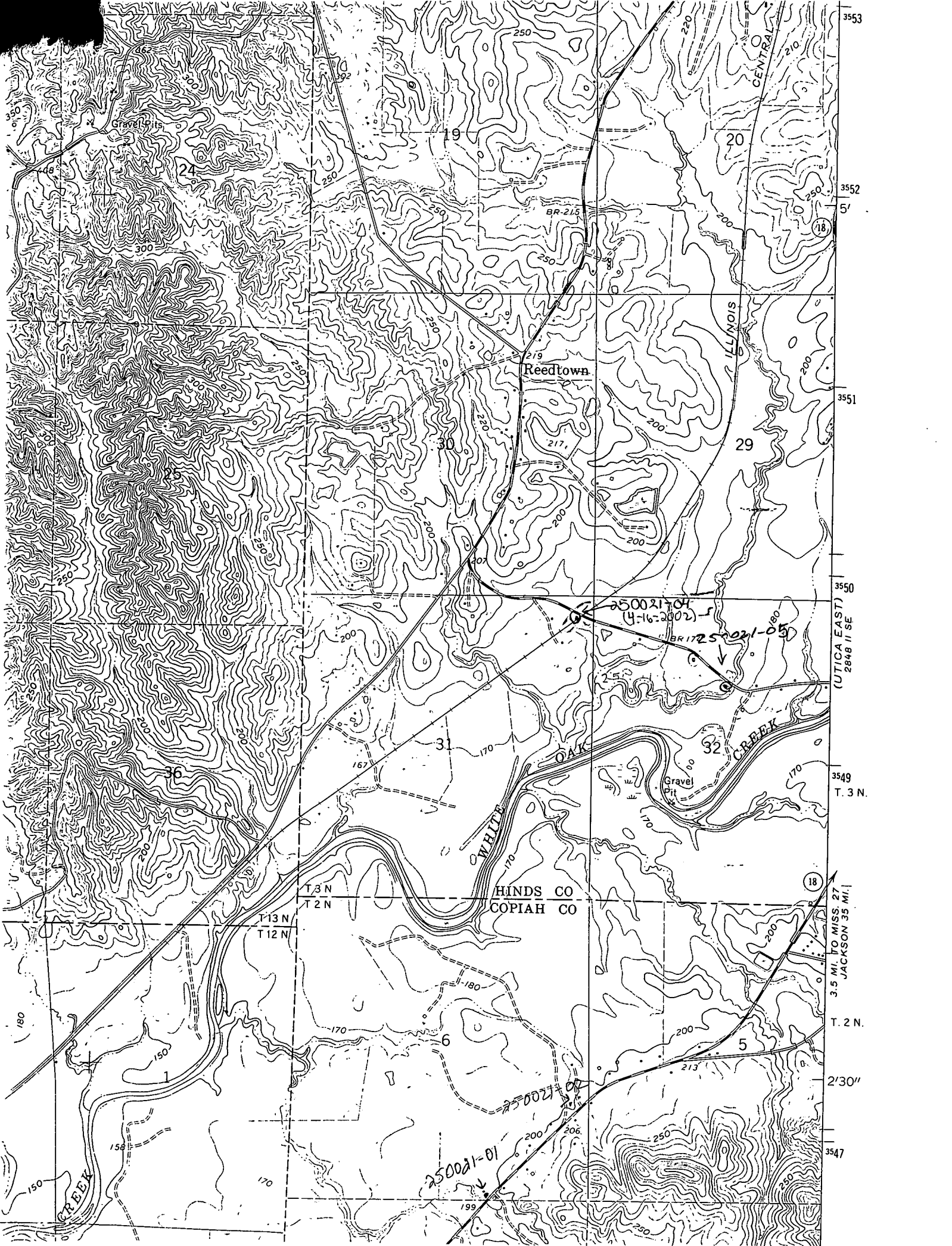
Reedtown W.A.  
250021-04  
GW-12817  
846



Target is 32.0636°N, 90.6392°W - **UTICA WEST** quad [Quad Info]

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3553

3552  
5'

3551

3550

3549  
T. 3 N.

T. 2 N.

3547

(UTICA EAST)  
2848 II SE

3.5 MI. TO MISS. 27  
JACKSON 35 MI. |

18

18

ILLINOIS

WHITE OAK CREEK

Gravel Pit

Reedtown

HINDS CO  
COPIAH CO

250021-04  
(4-16-2002)

BR 1725-021-05

250021-01

T. 3 N.  
T. 2 N.

T. 13 N.  
T. 12 N.

19

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BR-215

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Deed Town

Capitol

250021-04

SC46

6w-12817

32.66354  
90.62914

