

1/81WTO

Recorded by WTO
Date 5/19/83

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT
WELL RECORD

Well No. J 98
E-Log No. _____
County Desoto

Site ID 344948090090501 R=0* T=A* 2=W*

GEN. SITE DATA

Data reliab. 3=U*^C Report. agency 4=USGS* Dist. 6=28* 7=28* Co. 8=033*
Lat. _____
Long. 9=344948* 10=0900905* Well No. 12=J098*
Location 13=NENE S 16 T 03 S R 09 W* Alt. 16=300* 312
Hyd. Unit (OWDC) 20= _____* Date 21=09/15/1978*
Well use 23=W* Water Use 24=P* Hole depth 27= _____* Well depth 28=380*
WL 30=1.05* Date 31=09/15/1978* Source 33=D*
Status 273= _____* Project No. 5= _____* PW SPRT

OWNER

R=158* T=A* Date 159#09/15/1978* Owner No. Well #2
Owner 161#EUDORA W A
North MS Utility Co.

FIELD QV

R=192* T=A* Date 193# _____* Temp. 196#00010* 197= _____*
R=192* T=A* Date 193# _____* Cond. 196#00095* 197= _____*
R=192* T=A* Date 193# _____* pH 196#00400* 197= _____*

CONSTR.

R=58* T=A* 59#1* Date 60#09/15/1978* Remarks _____
Drig. 63=213* Name Bob Smith Method 65=H* Finish 66=S*

CASING

R=76* T=A* 59#1*
Top csgn. 77# 0* Bot. csgn. 78=330* Diam. 79# 8*
PVC
R=76* T=A* 59#1*
Top csgn 77# 300* Bot. csgn. 78=330* Diam. 79# 6*

OPENINGS

R=82* T=A* 59#1* Top 83# 330* Bottom 84=380*
Type 85=S* Diam. 87=6* Size 88= _____*
R=82* T=A* 59#1* Top 83# _____* Bottom 84= _____*
Type 85= _____* Diam. 87= _____* Size 88= _____*

YIELD

R=146* T=A* 147# 1* Q 150=250* Q/S 272= _____*
134 flows 146 pumped

R=42* T= A * Lift type 43# T* Intake 44= * Power type 45= E*

LIFT Date 38= 09/15/1978* H.P. 46= 25.*

R=198* T= A * Log 199# * Top 200= * Bot 201= *

R=198* T= A * Log 199# * Top 200= * Bot 201= *

R=189* T= A * E Log No. 190# * 191= M I S S D I S T *

ANAL. R=114* T= A * Year 115# * 117= * 120= *

R=90* T= A * 256# 1 * Top 91= * Bot 92= *

AQUIFERS Unit ID 93= 124 S.P.R.T. * Name of Unit

R=90* T= A * 256# 1 * Top 91= * Bot 92= *

Unit ID 93= * Name of Unit

R=98* T= A * 99# 1 * Unit tested 100= * 103= *

R=105* T= A * 99# 1 * Test No. 106# *

HYDRAULICS 107= * Transmissivity (gal/d)/ft

108= * Hydraul. cond. (gal/d)/ft²

110= * Storage coeff. Boundaries

R=121* T= * Yr Begin 122# * Network 258# *

Water: Level Data Collection (1)

De Soto
 J 98
 7-1-79
 GN 01810

MISSISSIPPI
 BOARD OF WATER COMMISSIONERS
 416 North State Street
 Jackson, Mississippi 39201
 WATER WELL DRILLERS LOG

7-1-79 date well completed 19 Bob Smith Well Ser. firm name De Soto county well located

LANDOWNER: Eudora
 City of
 (mailing address)

WELL LOCATION:
 sec. 16 T. 3 N. R. 9 E.
0 miles (distance) 0 (direction) of Eudora (nearest town)

WELL PURPOSE:
 (home, irrigation, municipal, industrial)

- WELL COMPLETION DATA:
- (1) diameter (inches) 8"
 - (2) total depth (feet) 375'
 - (3) static water level (feet) 105 ^{below} _{above} top of ground.
 - (4) casing Plastic (material), 335' (depth)
6" (size) if telescope see back.
 - (5) screen 40' (length), 335' (depth to top)
6" (size), stainless steel (material)
 - (6) pump 25 (HP), 305 (yield gpm)
elec. (type power)
 - (7) electric log (yes or no)
 (organization running log)
 - (8) how well bottom plugged capped

description of formations encountered	from	to
<u>top soil</u>	<u>0</u>	<u>5</u>
<u>red clay</u>	<u>5</u>	<u>65</u>
<u>red sand & gravel</u>	<u>65</u>	<u>105</u>
<u>Blue Clay</u>	<u>105</u>	<u>250</u>
<u>fine grey sand</u>	<u>250</u>	<u>275</u>
<u>med. grey sand</u>	<u>275</u>	<u>320</u>
<u>coarse grey sand</u>	<u>320</u>	<u>375</u>
<u>soft white clay</u>	<u>375</u>	<u>380</u>

DEPT. OF NATURAL RESOURCES
 BUREAU OF LAND & WATER RESOURCES

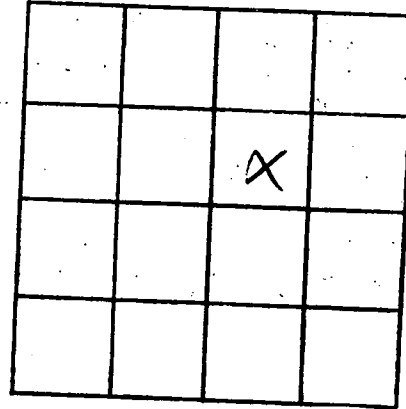
DEC 10 1979

RECEIVED

DRILLERS REMARKS:

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION _____

Please indicate well location X.

ADDITIONAL INFORMATION

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

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

5HB + PEG
USER NAME(S): LAR / DICK DATE: 8-21-94
7/26/94
UNIT DEQ #: 84090 FILE #: B0726215
HEALTH DEPT. #: 170006-02 ELEV. 310 ^{A082120B}
USGS #: 459 J98. OLWR #: MS-6w-01810 ^{same as #1}
OWNER: N. MS. UTL. / Eudora
LOCATION: nw/NE/NE S 16 T 35 R 9W COUNTY: DE Soto
BANKS: Quad.
LOCATION DESCRIPTION: Well East of Treatment Pl. inside
fence + 75 ft East of #01 in Elevated Tank
CASING DIA: 4" PUMP TYPE & SIZE: Sub /
GPS FIELD LOCATION: LAT. 34-49-785N LONG. 90-09-150W
34° 49' .853" 90°-09'-1171"
GPS CORRECTED LOCATION: LAT. 34.82971470 LONG. 90.15240890
REMARKS: See Well #1

X

RECEIVED

DEC 10 1993

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-2121

This box is for office use only.

4-23-96 AGN.

FORM OLWR-AP-2 (REV. 9/94)

Table with 4 columns: Issued, Expires, Fee Paid, Permit No., Lat., Long., Elev., USGS No., Quad., ASCS Farm No., STAC., MSDOH No., Aquifer, Tract No., Basin No., Remarks, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MSGW 01810

THIS APPLICATION IS FOR (Circle one): GROUNDWATER COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply Municipal, Rural Water, or Private Water 2) Irrigation 3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: NORTH MISSISSIPPI UTILITY COMPANY 64-0676172 (Name) (SSN or Tax ID No.)

P O BOX 362 (Address)

HERNANDO MS 38632 (601) 429 - 9509 (City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(Name) (SSN or Tax ID No.)

(Address)

(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NE 1/4 of the NE 1/4 of Section 16, Township 3S, Range 9W, County DESOTO

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES (NO) If yes, describe the nature and amount of any additional supply and, if applicable, list permit number.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: SPARTA MISSISSIPPI DEPARTMENT OF HEALTH NO.: 170006

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____

If well has already been drilled, when was well completed (date)? JUNE 15, 19 79 Under whose name was well originally drilled (if known)? EUDORA WATER ASSOCIATION, INC.

3. Description of proposed or completed well:

(a) DEPTH OF WELL: .375 feet. DRILLER: BOB SMITH WELL CO

(b) SURFACE CASING: Length 335 feet; Diameter 8 inches; Type PLASTIC

(c) SCREEN: Length 40 feet; Diameter 6 inches; Type STAINLESS STEEL

(d) PUMP: Type JACUZZI SUB Size 4"; Capacity 250 gallons per minute; Setting depth 147 feet

(e) POWER UNIT: Type _____; Size _____ horsepower

4. PERMITTED VOLUME :

(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) .08 million gallons per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK)

MAP SENT

Del

250

SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from _____ which drains into _____
which drains into _____ (major stream or river)
2. Discription of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
3. _____ acre-feet per year at a maximum rate of _____ gallons per minute

SECTION D (to be completed for SURFACE WATER IMPOUNDMENTS {DAMS} on continuously flowing streams)

1. Name of storage reservoir: _____ Dam Height: _____ feet
2. Surface area at normal pool: _____ Storage capacity at normal pool: _____ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

1. **IRRIGATION:** List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorgum _____; Other (specify) _____ Acres
 A. Method of Irrigation (circle one) - Center Pivot Flood Furrow
 B. Land Condition (circle one) - Precision Land Formed Smoothed
 C. ASCS Farm No. _____ Tract No. _____
2. **FISH CULTURE:** Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____
3. **MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**
Chose "a" or "b". (a) The number of people served is _____ or (b) The number of connections is 375
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?

<u>.12</u>	<u>2001</u>	<u>.14</u>	<u>2006</u>	<u>.17</u>	<u>2011</u>	<u>.22</u>	<u>2016</u>
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)
4. **INDUSTRIAL:** If the water is to be released into a watercourse, indicate the amount released each year _____
Rate of release _____; NPDES Permit No. _____
Explain any changes in quality of water to be released: _____
Explain how water will be used: _____
How much groundwater will be used for once-through non-contact cooling? _____
5. **RECREATION:** Explain how water will be used: _____
6. **OTHER USE:** Explain in detail (if needed, attach another page): _____
7. **REMARKS:** THIS WELL IS ON THE SAMES LOT AS MSGW #01812. THE CONSUMPTION
FIGURES ARE THE SAME FOR BOTH WELLS SINCE THEY ALTERNATE PUMPING.

List below the person to be contacted for additional information if required.

BILL J. ROBERSON, PRESIDENT
(Name)
P O BOX 362
(Address)
HERNANDO, MS 38632
(City, State, Zip)
601-429-9509
(Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Bill J. Roberson
(Signature)

Subscribed and sworn to before me this 29th day of Sept., 1995, at Hernando County of DeSoto
My commission expires March 23, 1998; Thomasa Roberson Aulston Notary Public.

10-3-95

SEE PAGE 55

T-3-S

HORSESHOE BEND CHICKASAW DR.

WIELETKA CV.

MATTAHA

ELM DR.

TANYARD RD.

TANYARD RD.

BLUFF RD.

A

CAMP CURRIER

17

8

11000W

R-9-W

10000W

SEE PAGE 46

PAGE 56

SEE PAGE 66

LION

B

NEWELL RD.

9

9000W

301

HARPER RD.

WELL

16

304

301

NEWELL RD.

10

8000W

OAK GROVE RD.

F

F

C

BOGGAN LN.

15

BALDWIN RD.

BALDWIN RD.

1000S

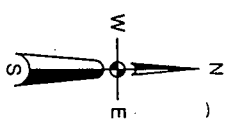
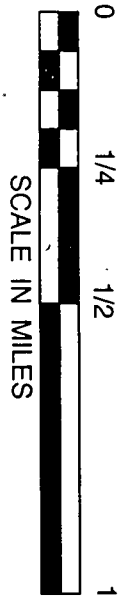
SEE PAGE 57

2000S

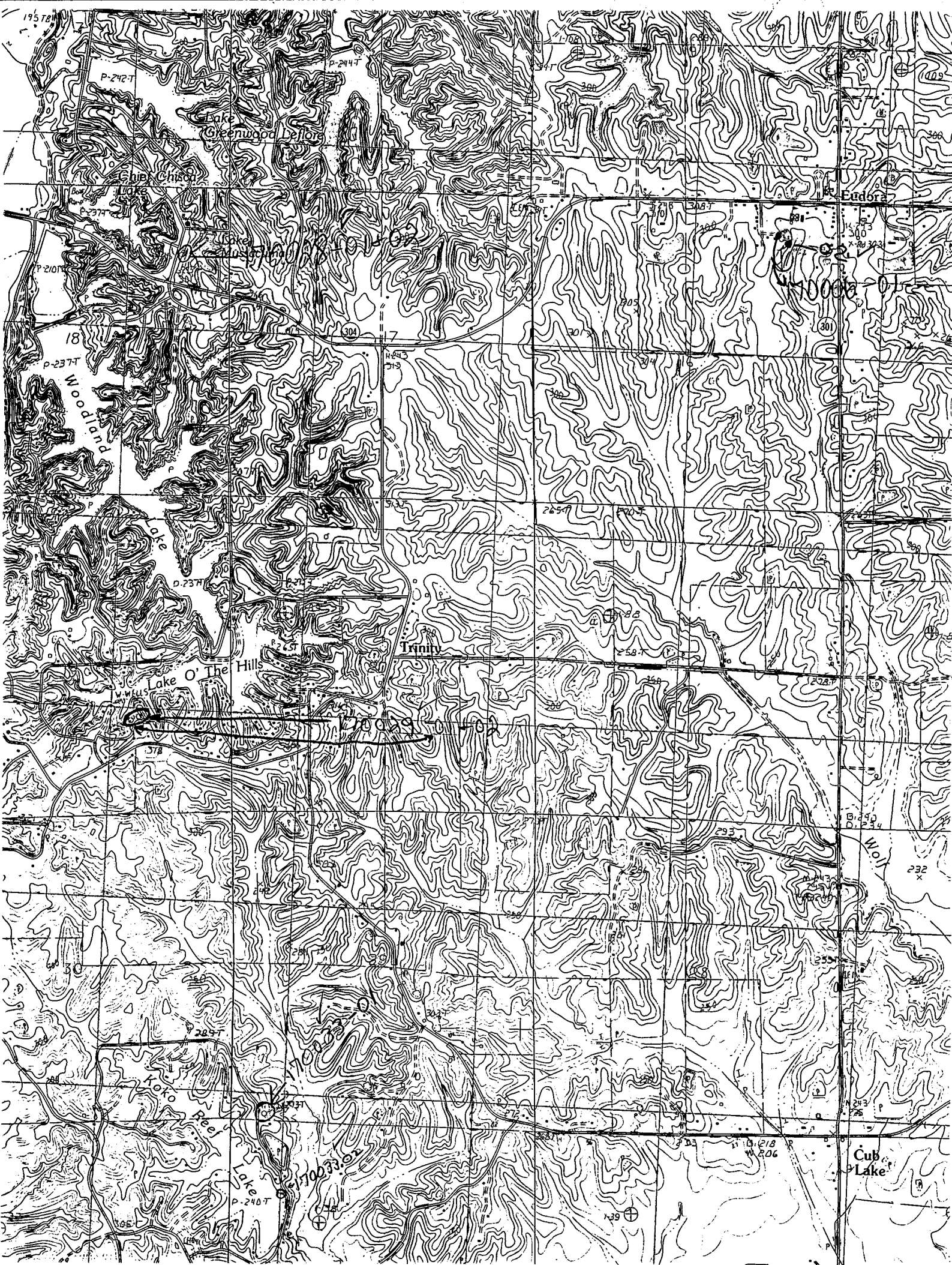
3000S

1810
1812
Rever

© 1995 M.I.D.A. Map Book of Desoto County



1957



P-242-T

P-244-T

Eudora

18

17

304

30

30

P-237-T

Woodland

Trinity

Lake O' The Hills

Wol

232

235-T

P-240-T

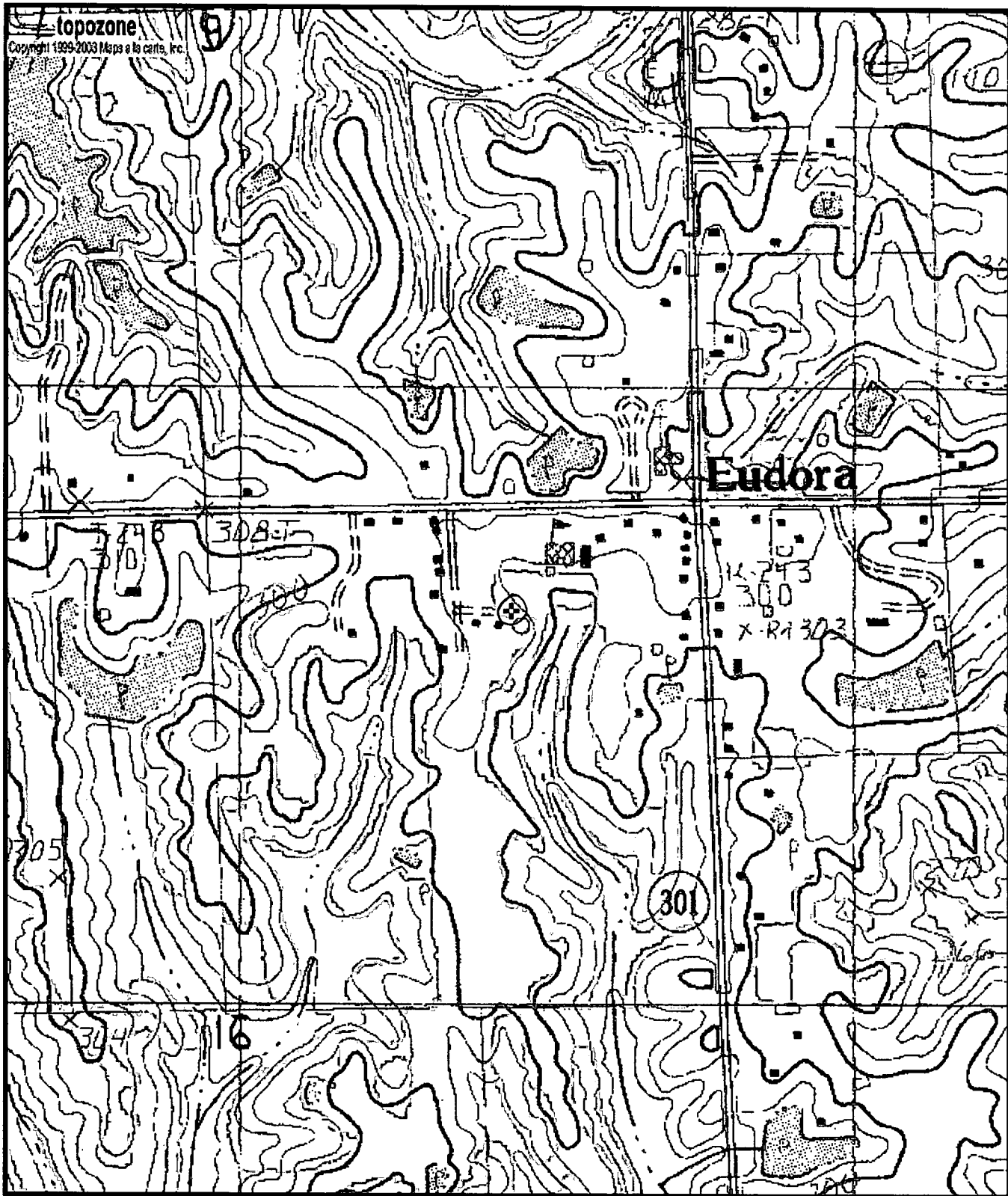
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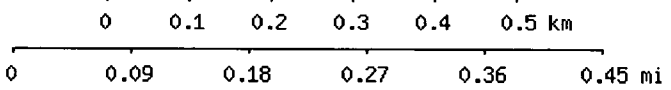
206

Cub Lake

139



0170006-02
 6W01810
 J98



Map center is 34° 49' 47"N, 90° 09' 09"W (WGS84/NAD83)

Banks quadrangle

Projection is UTM Zone 15 NAD83 Datum



M=0.113
 G=1.628