

MASTER CARD

Record by WTR Source of data Obs. d. l. l. c. Date 5/70 Map _____
 State 28 County NEWTON (or town) 51
 Latitude: 3230 4 N Longitude: 0885546 Sequential number: 1
 Lat-long accuracy: 2 8 N 130 E 25 SE SW SE/SE/NW/SW
 Local well number: D022CC2508N13E Other number: _____
 Local use: 021025 870 19 Owner or name: Duffee W. A.
 Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N
 Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Instit, (N) Unused, (O) Repressure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other WA SRRP
 Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed W
 DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.
 Hyd. lab. data: _____
 Qual. water data; type: USGS 8170
 Freq. sampling: _____ Pumpage inventory: _____
 Aperture cards: _____
 Log data: Elog 5' - 995'

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 965 ft Meas. rept. accuracy 3
 Depth cased; (first perf.) Split screen ft 870 Casing type: _____; Diam. 8.4 in 8
 Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) perf., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other S
 Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd rot., (F) jetted, (G) air percussion, (H) reverse, (I) trenching, (J) driven, (K) drive wash, (L) other H
 Date Drilled: 970 Pump intake setting: _____ ft _____
 Driller: Newton - Roman
 Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple (cent.), (F) multiple (turb.), (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other T Deep Shallow
 Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 15 V Trans. or meter no. _____
 Descrip. MP 200 463 ft above 0 below LSD, Alt. MP _____
 Alt. LSD: 455 Accuracy: (source) topo
 Water Level: _____ ft above _____ ft below MP; _____ ft below LSD Accuracy: _____
 Date meas: 870 Yield: _____ gpm 174 Method determined 4
 Drawdown: _____ ft Accuracy: _____ Pumping period 1 1/2 hrs _____
 QUALITY OF WATER DATA: Iron 3.0 Sulfate 5.2 Chloride 4.8 Hard. 20
 Sp. Conduct 170 K x 10 2 Temp. 24.0 Date sampled 870
 Taste, color, etc. _____

PUNCHED and VERIFIED
 ROLLA COMPUTATION BRANCH

WLCXL

Well No.

D22

Well No. _____

D22

Latitude-longitude: _____

N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: _____

03 Section: _____

D Drainage Basin: _____

13P Subbasin: _____

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (F) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: _____

TE aquifer, formation, group

LW

Lithology: _____

S Origin: _____

2 Aquifer Thickness: _____

200+ ft

200 Length of well open to: _____

50 ft

Depth to top of: _____

845 ft

MINOR AQUIFER: _____

Lithology: _____

Origin: _____

Aquifer Thickness: _____

Length of well open to: _____

ft

Depth to top of: _____

ft

Intervals Screened: _____

870'-880', 900'-920', 945'-965'

Depth to consolidated rock: _____

ft

Source of data: _____

Depth to basement: _____

ft

Source of data: _____

Surficial material: _____

Infiltration characteristics: _____

Coefficient Trans: _____

370,000 gpd/ft

274

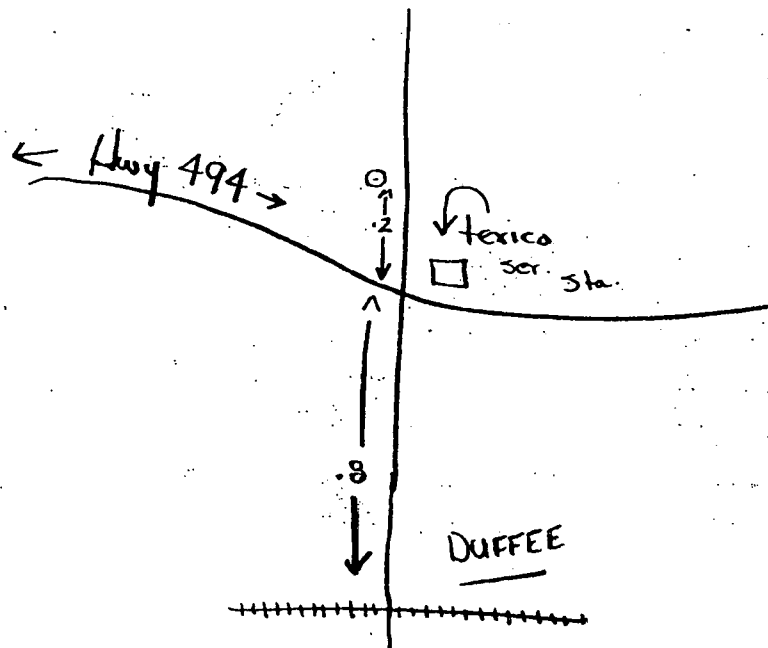
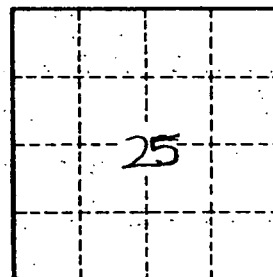
Coefficient Storage: _____

Coefficient Perm: _____

< 1350 gpd/ft²; Spec cap: _____

19.3

gpm/ft; Number of geologic cards: _____



Well No. _____

D22

NEWTON
D22
10-28-70

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

ELOG # 25

WATER WELL DRILLERS LOG

CODED

10-28
date well completed

1970 Herndon-Hornaw Well & Supply Newton
firm name county well located

LANDOWNER: <u>Superior Water Assoc.</u>	description of formations encountered	from	to
<u>Little Rock Miss.</u> (mailing address)			
WELL LOCATION: sec. <u>25</u> T. <u>8</u> (N) R. <u>13</u> (E) S W	<u>Red Sand</u>	<u>0</u>	<u>180</u>
(distance) miles (direction) of (nearest town)	<u>Gravelly Dirt</u>	<u>180</u>	<u>190</u>
WELL PURPOSE: <u>Municipal</u> (home, irrigation, municipal, industrial)	<u>Redden Clay</u>	<u>190</u>	<u>200</u>
WELL COMPLETION DATA:	<u>Sand</u>	<u>200</u>	<u>260</u>
(1) diameter (inches) <u>8x4</u>	<u>Brown Clay & Sand</u>	<u>260</u>	<u>420</u>
(2) total depth (feet) <u>995</u>	<u>Sand</u>	<u>420</u>	<u>540</u>
(3) static water level (feet) <u>152</u> below top of ground.	<u>Sand</u>	<u>540</u>	<u>600</u>
(4) casing <u>Steel</u> , <u>851'</u> (material) (depth)	<u>Brown Clay & Sand</u>	<u>600</u>	<u>660</u>
<u>8"</u> (size) If telescope see back.	<u>Rock</u>	<u>660</u>	<u>663</u>
(5) screen <u>50'</u> , <u>875</u> (length) (depth to top)	<u>Brown Clay & Sand</u>	<u>663</u>	<u>720</u>
<u>4"</u> (size), <u>Stainless</u> (material)	<u>Rock</u>	<u>720</u>	<u>721</u>
(6) pump <u>15</u> (HP), <u>150</u> (yield gpm)	<u>Brown Clay & Sand</u>	<u>721</u>	<u>740</u>
<u>Electric</u> (type power)	<u>Sand & Shale</u>	<u>740</u>	<u>835</u>
(7) electric log <u>yes</u> (yes or no)	<u>Grumbo</u>	<u>835</u>	<u>845</u>
<u>USGS</u> (organization running log)	<u>Sand</u>	<u>845</u>	<u>990</u>
(8) how well bottom plugged <u>B/W</u>	<u>Grumbo</u>	<u>990</u>	<u>995</u>
DRILLERS REMARKS:	CODED		
	NOV 12 1970		
	MISS. BD. OF WATER COMM.		

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart / Everett DATE: 4/22/98
UNIT DEQ #: _____ FILE #: A042222B
HEALTH DEPT. #: 510005-01 ELEV. 430
USGS #: D-22 OLWR #: GW 00881
OWNER: Dutree Water Assn
LOCATION: NE SW SW S 25 T 8N R 13E COUNTY: Newton
LOCATION DESCRIPTION: Well is on East side of Plant,
inside gate
CASING DIA: 6" PUMP TYPE & SIZE: sub.
GPS FIELD LOCATION: LAT. 32° 30.265' LONG. 88° 55.656'
GPS CORRECTED LOCATION: LAT. 32.504443 LONG. 88.927844
REMARKS: Chunky Dutree Rd & Hwy 484 turn N,
go .25 miles to treatment plant
on left - Well #2 .5 miles
from intersection - on left

Post Quad

This well
seems to be for
st. -02 well

32 30 16
88 55 40

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-00881

County: NEWTON

Owner: DUFFEE WATER ASSOCIATION, INC.

Aquifer: WLCXL

USGS No: D0022

BOH No: 0510005-01

Location: NW 1/4 of the SW 1/4 of SEC 25 TWN 08N RNG 13E Lat: 323016 Long: 885547

Quad: POST

District: N/A

Date Issued: 14-JAN-86

Date Renewed: 26-MAR-96

Date Expired: 14-JAN-06

Applicant: DUFFEE WATER ASSOCIATION, INC.

Owner: DUFFEE WATER ASSOCIATION, INC.

Address 1: 9312 HIGHWAY 494

Address 1: 9312 HIGHWAY 494

Address 2: N/A

Address 2: N/A

Address 3: N/A

Address 3: N/A

City: LITTLE ROCK

City: LITTLE ROCK

State: MS Zip: 39337

State: MS Zip: 39337

Driller: HERNDON WELL & SUPPLY

Maximum Rate: 150

Amount Withdrawn Acre feet: 134.4383

Amount Withdrawn Mgd: .12

Use

RURAL WATER
ASSOCIATION

Casing

Type: STEEL

Diameter: 8

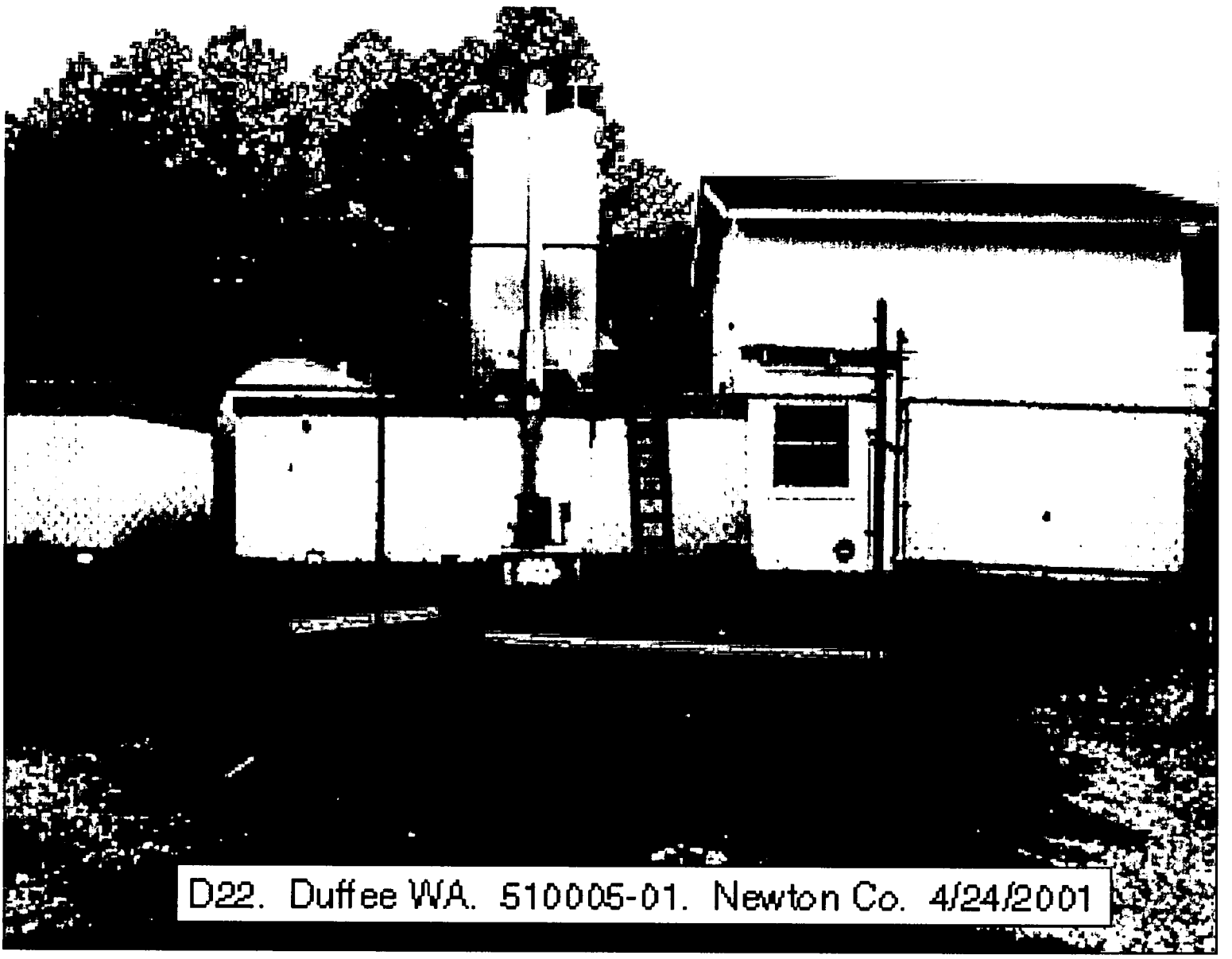
Length: 850.

Screen

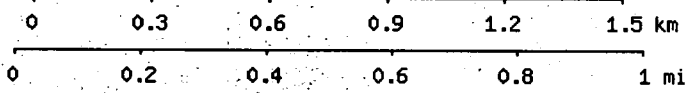
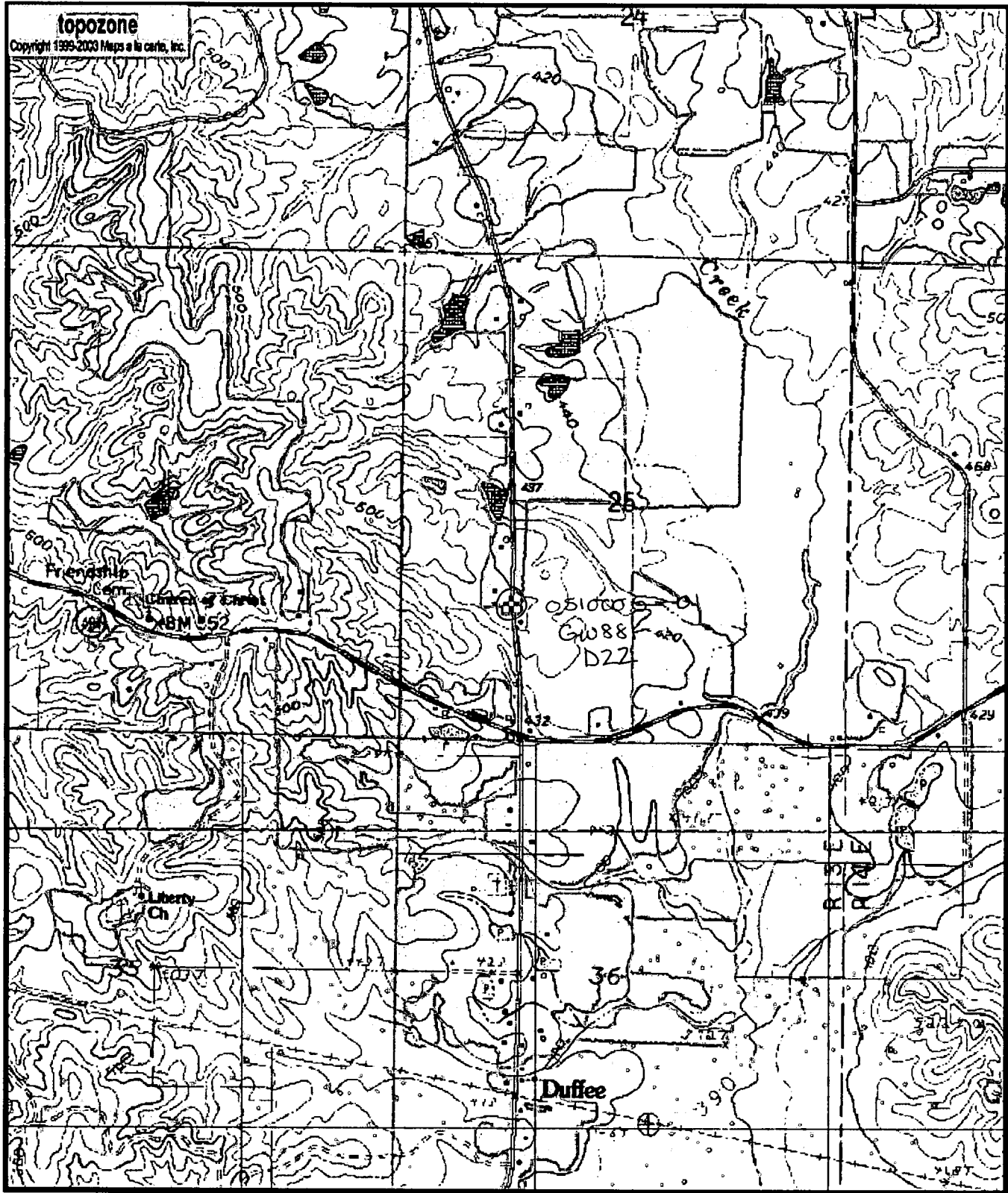
Type: STAINLESS STEEL

Diameter: 4

Length: 50



D22. Duffee WA. 510005-01. Newton Co. 4/24/2001



Map center is 32° 30' 16"N, 88° 55' 40"W (WGS84/NAD83)
 Post quadrangle
 Projection is UTM Zone 16 NAD83 Datum

M=-0.463
 G=-1.036

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USGS 8 km W of Collinsville, Mississippi, United States 02 Mar 1996



0 |-----| .5Km

0 |-----| .25Mi

Image courtesy of the U.S. Geological Survey

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