

TRANSMITTED FOR AVE

1/77

Recorded by WTO
Date 4/12/77

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

Well No. F92
E-Log No. _____
County DESOTO

Site ID 345254090002901 R=0* T=A* 2=W* Horn Lake Quad

GEN. SITE DATA

Data reliab. 3=U* Report. agency 4=USGS* Dist. 6=28* 7=28* Co. 8=033*
Lat. Long. 9=345254 10=0900029 Well No. 12=F092
Location 13=NESE S 26 T 02S R 0.8W Alt. 16=285 323
Hyd. Unit (WDC) 20= _____ Date 21=12/01/1976
Well use 23=W Water Use 24=P Hole depth 27=340 Well depth 28=335
WL 30=105 Date 31=12/01/1976 Source 33=D
Status 273=Y

OWNER

R=158* T=A* Date 159# 12/01/1976 Owner No. _____
Owner 161=NESBITT WA WA SPRT

FIELD QW

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=12/01/1976 Remarks _____
Drlg. 63=125 Name R. Wilson Method 65=H Finish 66=S

CASING

R=76* T=A* 59# 1*
Top csgn. 77# 0 Bot. csgn. 78=283 Diam. 79# 6
R=76* T=A* 59# 1*
Top csgn. 77# _____ Bot. csgn. 78= _____ Diam. 79# _____

OPENINGS

R=82* T=A* 59# 1* Top 83# 283 Bottom 84=335
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# S * Intake 44= * Power type 45= E *

LIFT Date 38= 12/01/1976 * H.P. 46= 20. *

LOGS
R=198* T= A * Log 199# D * Top 200= 0. * Bot 201= 340. *
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# * Type 120= *

AQUIFERS
R=90* T= A * 256# 1 * Top 91= 240. * Bot 92= 340. *
Unit ID 93= 12ASPT * Name of Unit
R=90* T= A * 256# 1 * Top 91= * Bot 92= *
Unit ID 93= * Name of Unit

HYDRAULICS
R=98* T= A * 99# 1 * Unit tested 100= *
R=105* T= A * 99# 1 * Test No. 106# *
107= * Transmissivity (gal/d)/ft
108= * Hydraul. cond. (gal/d)/ft²
110= * Storage coeff. Boundaries

500' N of Nesbitt P.O.

DESOTO
F 92
12-76

MISSISSIPPI
BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201
Robert Wilson well cont.
WATER WELL DRILLERS LOG

CODED

PUNCHED

Dec 26 1976 Wilson's Inc. Desoto
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
Nesbitt Water Assn. Nesbitt, Miss (mailing address)			
WELL LOCATION:	Red Sand & Gravel	15	35
sec. 25 T 2 N R 8 E 500' miles N of Nesbitt P.O. (distance) (direction) (nearest town)	White Clay	35	105
WELL PURPOSE: Municipal (home, irrigation, municipal, industrial)	White Sand	105	220
WELL COMPLETION DATA:	White Sand & White Clay	220	240
(1) diameter (inches) 6"	White Sand	240	340
(2) total depth (feet) 335'			
(3) static water level (feet) 105 below top of ground.			
(4) casing P.V.C. 283' (material) (depth)			
(5) screen 42' 283' (length) (depth to top)			
(6) pump 20 HP 2.50 yield gpm 3/Ph. (type power)			
(7) electric log NO. (yes or no)			
(8) how well bottom plugged Plastic cap			
DRILLERS REMARKS:			

CODED

PUNCHED

RECEIVED
MAR 21 1977

MISS. BD. OF WATER COMM

F-92

Well #2

FORM BLW-AP-1

(rev. 10/88)

The box below is for office use only.

SPRT

Issued: 11-27-90	Expires: 11-27-2000	Fee Paid: <input checked="" type="checkbox"/>	Permit No. GW 13010
Lat: 34-52-53	Long: 90-00-11	Elev: 322	USGS No.
Quad: HORN LAKE	Dist.		Basin No. 08030204
STAC			Dam Inv. No.
			Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39289-0631

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

This application is for (circle one): GROUNDWATER SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby Fire Protection Flood Protection Other: _____

LANDOWNER:

Nesbit Water Ass'n (Name) 64 0439565 (S/S or Tax ID No.)

PO Box 76 (Address)

Nesbit, MS (City) 38651 (State and Zip) () 429-9312 (Telephone Number)

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

(Name) _____ (S/S or Tax ID No.) _____

(Address) _____

(City) _____ (State and Zip) _____ (Telephone Number) _____

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

NW 1/4 of the SW 1/4 of Section 25, Township 2S, Range 8W, County DeSoto

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):

- (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
- (b) .11 million gallons per day at a maximum rate of 250 gallons per minute
- (c) _____ acre feet of storage at normal pool
- (d) _____ per _____ at a maximum rate of _____

Construction of proposed work will begin on (date) _____, 19____ and will be completed by (date) _____, 19____.

Water will be used from (month) _____ to (month) _____ each year.

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 numbers.

SECTION A (to be completed if application is for surface water source)

- Source of water is from _____ which drains into _____ which drains into _____ which drains into _____
- Description of pump/diversion works:
 - (a) Pump (size and type): _____ Power Unit (size and type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute.
 - (b) Name of storage reservoir: _____ Dam height: _____ feet.
Surface area at normal pool: _____ acres. Storage capacity at normal pool: _____ acre-feet.

SECTION B (to be completed if application is for groundwater source)

1. Source of water is _____ aquifer.
2. Description of proposed water well:
- (a) DEPTH OF WELL: 335 feet. DRILLER (name): Wilson's Inc.
- (b) SURFACE CASING: Length: 283 feet. Diameter: 6" inches. Type: _____
- (c) SCREEN: Length: 42 feet. Diameter: 6" inches. Type: _____
- (d) PUMP: Type: _____ Size: _____ Capacity: 250 gallons per minute.
Number of stages: _____ Setting depth: _____ feet.
- (e) POWER UNIT: Type: _____ Size: _____ horsepower.
- (f) TYPE OF COMPLETION: _____

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SECTION	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Soybeans _____; Corn _____; Pasture _____; Truck _____; Wheat _____; Oats _____; Grain sorghum _____; Other (specify) _____ Acres _____
2. FISH CULTURE: Explain how water will be used: _____
How often will reservoir(s) be emptied and refilled? _____
3. MUNICIPAL or WATER ASSOCIATION
Choose "a" or "b". (a) The number of people served is _____. (b) The number of connections/customers is 582
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years?
(Volume) _____ (Year) _____ (Volume) _____ (Year) _____ (Volume) _____ (Year) _____ (Volume) _____ (Year) _____
4. INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year _____
Rate of release _____; Location of release point in reference to diversion/withdrawal point _____
_____ Explain any change in quality of water to be released: _____
NPDES Permit No. _____
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: _____

REMARKS: _____

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

(Name) Patty Brown
(Address) Box 76
1350 Wooten Rd
(City, State, Zip) Neel, MD 28651
(Telephone) 429-9312

The accompanying map is hereby declared a part of this application. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Patty Brown
(Signature)

Subscribed and sworn to before me this 9th day of October 1990 at Neel, MD
County of De Alto. My commission expires 9/28/91
Christa Shields Notary Public

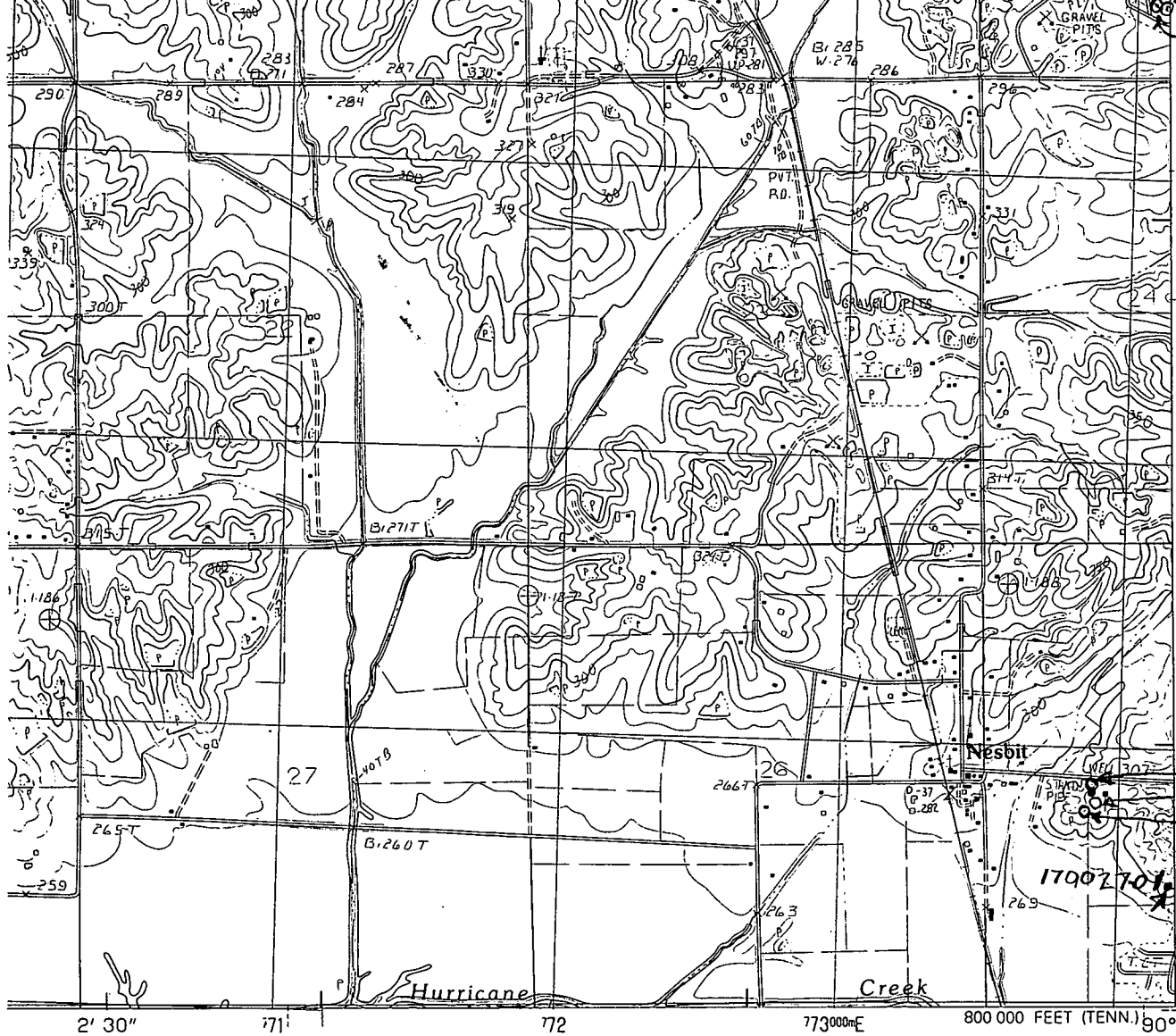
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

SHB + PEG
USER NAME(S): LIAR / DRB DATE: 8-21-96
UNIT DEQ #: 84090 FILE #: B07221215
HEALTH DEPT. #: 170014-02 ELEV. 269 A082116D
USGS #: 475 F-92 OLWR #: MSGW-18010 320
OWNER: Nesbit Water Assoc.
LOCATION: NE 1/4 SW S 25 T 25 R 2W COUNTY: DeSoto
Horn Lk. Quad
LOCATION DESCRIPTION: EAST OF TANK AT WATER POINT

CASING DIA: 6" PUMP TYPE & SIZE: SUBMERSIBLE
GPS FIELD LOCATION: LAT. 34.529214 LONG. 90.001384
34° 52' .905"
GPS CORRECTED LOCATION: LAT. 34.8817587 LONG. 90.00303835
90° 00' .206"

REMARKS: SEE WELL #3 FOR LOCATION



210 000 FEET
(TENN.)

3865

3864000mN

170014-03
170014-02
170014-01

170027-01
170027-02

34° 52' 30"
90° 00'

INTERIOR—GEOLOGICAL SURVEY RESTON, VIRGINIA—1982



QUADRANGLE LOCATION

1
10 000

ROAD LEGEND

- Improved Road
- Unimproved Road
- Trail

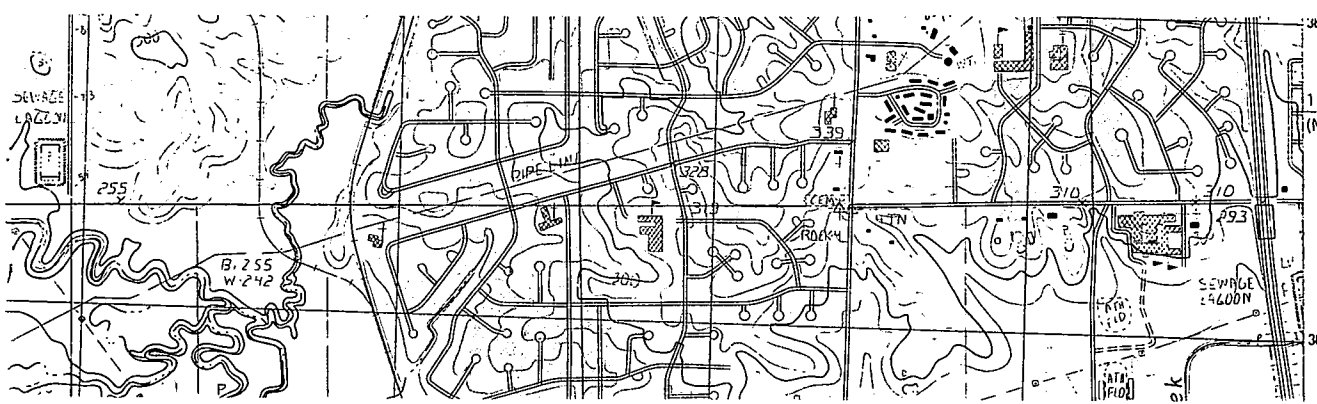
- Interstate Route
- ◡ U. S. Route
- State Route

1	2	3	1 Fletcher Lake
			2 Southwest Memphis
			3 Southeast Memphis
4		5	4 Lake Cormorant
			5 Pleasant Hill
			6 Banks
6	7	8	7 Frees Corners
			8 Hernando

ADJOINING 7.5' QUADRANGLE NAMES

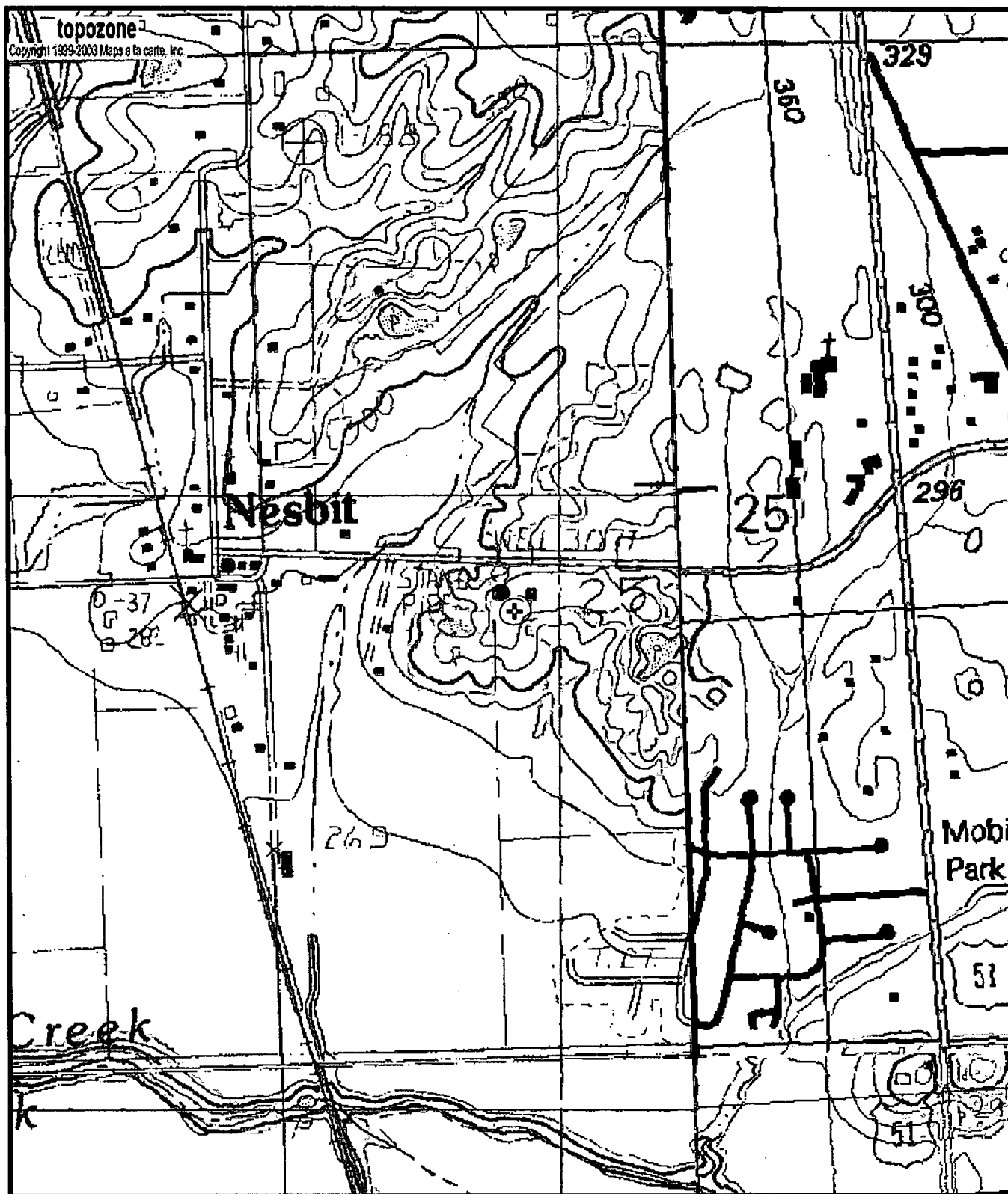
HORN LAKE, MISS.-TENN.
PROVISIONAL EDITION 1982

34090-H1-TF-024

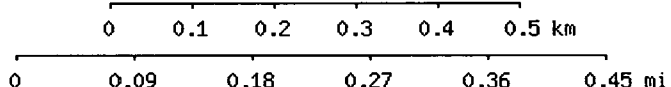


1 630 000 FEET
(MISS.)

3874



0170014-02
Gw13010
F92



Map center is 34° 52' 54"N, 90° 00' 11"W (WGS84/NAD83)
Horn Lake quadrangle
 Projection is UTM Zone 15 NAD83 Datum

G
 M=-0.006
 G=1.715