

No usgs well schedule

**WELL SCHEDULE
FOR
THE OFFICE OF LAND AND WATER RESOURCES**

Fips: 33

Well: F105

Log No: _____

Recorded by: Pat Data Source: Drillers log, permit Date: 12/8/2000

County: De Soto Permit No.: GW15470 DOH No.: 0170014-03

Quad: Horn Lake Elevation: 307 315

1/4: NE 1/4: NE 1/4: NW 1/4: SW Sec.: 25 T: 2S R: 8W

Plotted on quad? In field? From drillers log? _____ From permit? _____

Latitude: 34° 52' 55.91" Longitude: 90° 00' 11.6" GPS? From quad? _____

Primary Aquifer: SPRT Secondary Aquifer: _____

Use: WA Well status: _____ Local Well Name: _____

Owner: Nesbit Water Association

Date completed: 12/20/99 Driller: Wilson Well Co Well depth: 320 Hole depth: 320

Pump type: Submersible Power type: Electric Pump capacity: 500 gpm

Screen interval: _____ Screen length: _____ Screen diameter: _____

Screen interval: _____ Screen length: _____ Screen diameter: _____

Casing interval: _____ Casing length: _____ Casing diameter: _____

Casing interval: _____ Casing length: _____ Casing diameter: _____

Type of logs: _____ Log interval: _____

Initial water level(s): _____ Date: _____ Measuring point description: _____

Water Quality Data? _____ Source: _____ Reliability: _____

Water Level Data? _____ Source: _____ Reliability: _____

Pump Test Data? _____ Source: _____ Reliability: _____

Water Use Data? _____ Source: _____ Reliability: _____

Water level data

This area for location map and notes

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED
Desoto

WELL NUMBER **F105** CODED

DATE WELL COMPLETED
12-20-99

PERMIT NUMBER **15470**

NAME OF DRILLING FIRM
Wilson Well Co., INC

NAME & MAILING ADDRESS OF LANDOWNER
City of Nesbit

PO Box 35

Nesbit, MS 38651

WELL LOCATION SEC **25E** TOWNSHIP **2 N** RANGE **8 E**

DISTANCE _____ MILES _____ of _____

DIRECTION _____

NEAREST TOWN _____

OTHER LANDMARK _____

WELL PURPOSE Home, Irrigation Municipal Industrial, Fish Pond, etc.

PUMP DATA

PUMP TYPE (Circle One):
 Submersible, Turbine, Jet, Flowing Well,
Other (Describe) _____

POWER TYPE (Circle One):
 Electric, Tractor, Diesel, Gasoline, Butane,
Other (Describe) _____ H/P _____

Pump Capacity (GPM) **500** No. of Stages _____ Setting Depth **252 FT.**

PUMP TEST

Well yielded _____ GPM with
a drawdown of _____ ft.
after _____ hours of pumping

WELL DATA

Well Depth 320	Casing Diameter (In.) 12	Casing Length (Ft.) 260
Type of Casing PVC	Hole Depth 320	Depth to Static Water Level 95

TYPE OF COMPLETION: (Circle One or More):
 Gravel Packed, Underreamed, Telescoped,
Natural Development, Open Hole, Other
(Describe) _____

LOG DATA

TYPE OF LOG RUN (Circle One): No Log Run
Electric, Gamma Ray, Density, Sonic, Neutron,
Other (Describe) _____

Name of Organization Running Log _____

WELL GROUTED TO A DEPTH OF **12** FEET
Type Grout (circle one): Cement, Bentonite, or Mix

LOG DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. Elev.	Date	Analysis	Acquifer Test

DEC 28 1999

SCREEN DATA

Diameter - Inches 8	Length - Feet 60	Slot Size - Inches .020
Screen Type PVC	Depth to Bottom - Feet 320	

Driller's Remarks _____

**Dept of Environmental Quality
Office of Land & Water Resources**

Top of Lap Pipe or Reduction in Casing _____

FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Red Clay	0	20	Fine Sand	260	280
Coarse Clay	20	40	Sand	280	290
Hard Clay	40	100	Clay	290	295
Fine Sand	100	120	Sand	295	320
Medium Sand	120	140			
Sand	140	160			
Medium Sand	160	180			
Sand	180	195			
Coarse Clay	195	200			
Clay	200	224			
Sand	224	260			

IF MORE SPACE IS NEEDED, USE BACK

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) 961-5202

This box is for office use only. FORM OLWR-AP-2 (REV. 9/99)

ISSUED: 1-11-2000	Expires: 1-11-2010	Fee Paid: X	Permit No. GW-15470
L.A. 34 52 50	Long. 90 00 12	Elev. 315	LUCS No.
Quad HORN LAKE	ASCS Farm No.	STAC.	MSDOH No.
Aquifer SPRT	Tract No.		Basin No. 08030204
Remarks:			Dam Inv. No.

Date 10-7-99 # of pages 2

Post-It# Fax Note 7671

From

To MARY ANN NESBIT WATER ASSOC

Co. DEO-OLWR

Phone # 601-961-5332

Fax # 601-429-8800

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** RENEWAL - PERMIT NO. _____

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: Nesbit Water Association 64-0439665
(Name) (SSN or Tax ID No.)

P.O. Box 35
(Address)

Nesbit MS 38651 (601) 429-8800
(City) (State & Zip) (Telephone No.)

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

Nesbit Water Association (Name) (SSN or Tax ID No.)

P.O. Box 35 (Address)

Nesbit MS 38651 (601) 429-8800 (City) (State & Zip) (Telephone)

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

NE 1/4 of the SW 1/4 of Section 35 Township 30 Range 2W 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, its permit number.

SECTION B (to be completed for GROUNDWATER SOURCE)

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

2. Proposed work will begin on 10-25-1999 and will be completed by 12-15-1999
If well has already been drilled, when was well completed (date)? _____, 19____ Under whose name was well originally drilled (if known)? _____

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 340 feet. DRILLER: Wilson Well Co Inc.
(b) SURFACE CASING: Length 280 feet; Diameter 12" inches; Type Steel
(c) SCREEN: Length 60 feet; Diameter 8" inches; Type Stainless Steel w/w
(d) PUMP: Type Sub Turbine; Size 8"; Capacity 500 gallons per minute; Setting depth 210 feet
(e) POWER UNIT: Type Electric Sub; Size 6" - 50HP horsepower

4. PERMITTED VOLUME :
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) 0.18 million gallons per day at a maximum rate of 500 gallons per minute

(CONTINUED ON BACK)

LWM
11-8-99

RECEIVED

OCT 28 1999

Dept of Environmental Quality
Office of Land & Water Resources

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OCT 28 1999

Dept of Environmental Quality
Office of Land & Water Resources

SECTION C (to be completed for SURFACE WATER SOURCE)

N/A

1. Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
2. Description 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

N/A

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)

MA

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorghum _____; 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. _____

N/A

2. FISH CULTURE: Explain how water will be used: _____
How often will reservoir (a) be emptied and refilled? _____

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM

Choose "a" or "b". (a) The number of people served is 2689 or (b) The number of connections is 815

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>? due to growth</u>							
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)

N/A

- 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? _____

MA

5. RECREATION: Explain how water will be used: _____

N/A

6. OTHER USE: Explain in detail (if needed, attach another page): _____

7. REMARKS: _____

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

Nesbit Water Association

(Name)

P.O. Box 35

(Address)

Nesbit, MS 38651

(City, State, Zip)

601-429-8800

(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.

[Signature]

(Signature)

Subscribed and sworn to before me this 21st day of Oct, 19 99, at 12th W. Hwy County of DeSoto

My commission expires Jan 18, 2002 Mr. Couch Notary Public.

RECEIVED
 OCT 28 1999
 Dept. of Environmental Quality
 Office of Land & Water Resources

GW
 15470

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

WELL NOT LISTED GPS LOG

SHD/PEG
USER NAME(S): LAK / DRB DATE: 8-21-94
7/28/94
UNIT DEQ #: 24090 FILE #: B072212A
HEALTH DEPT. #: 170014-03 ✓ ELEV. 307 A082116C
USGS #: 476 F-105 OLWR #: MS-GW-15470

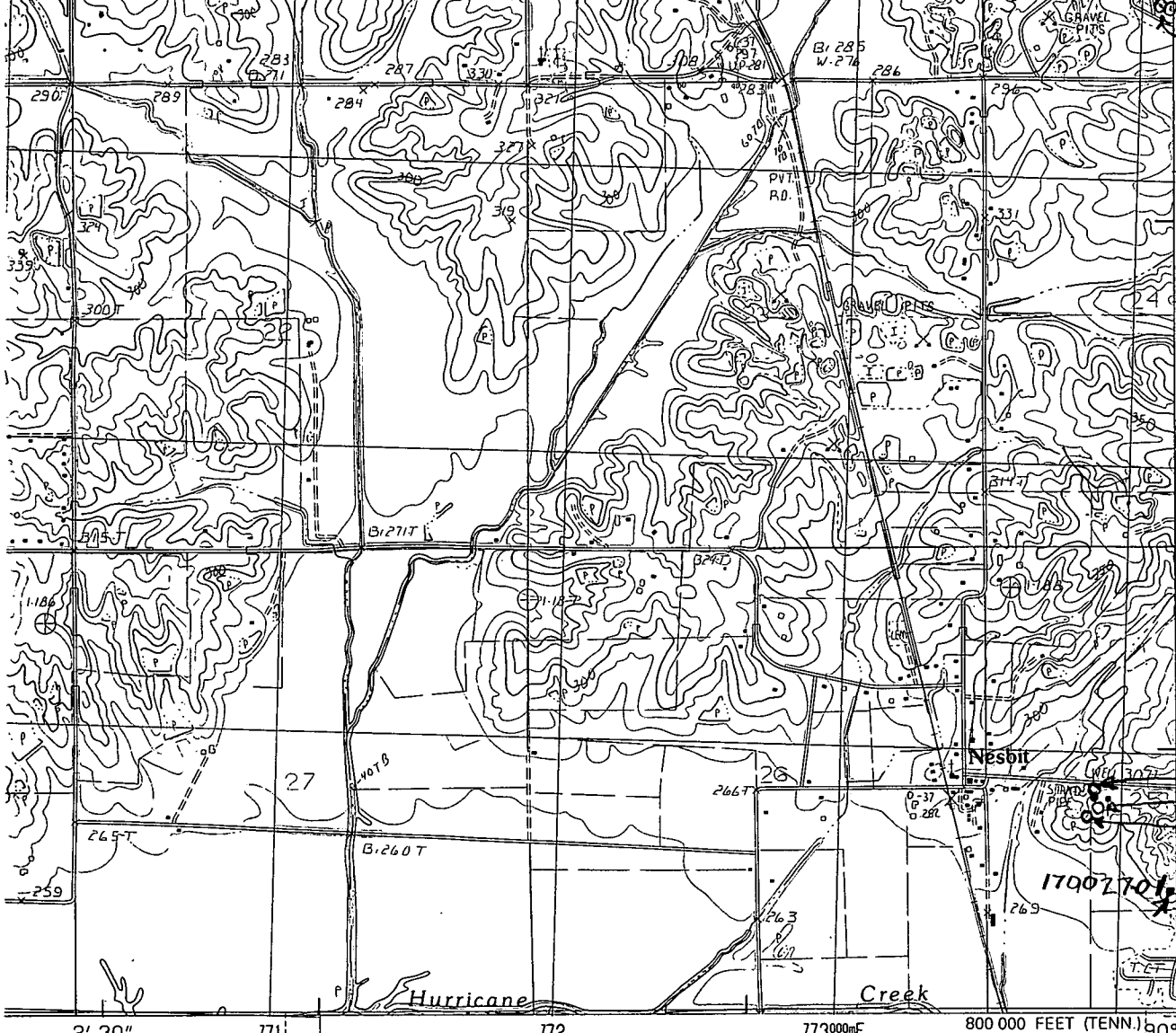
OWNER: NESBIT WATER ASSOC.
LOCATION: NW/NW/SW S 25 T 25 R 2W COUNTY: DE SOTO
How Lk. Quad
LOCATION DESCRIPTION: NW CORNER OF WATER PLANT
EAST OF GATE 40' South of Rd.

CASING DIA: 8" PUMP TYPE & SIZE: TURBINE 7.5HP

GPS FIELD LOCATION: LAT. 34.52959 *1 LONG. 90.001684

GPS CORRECTED LOCATION: LAT. 34.88219596 LONG. 90.00322298

REMARKS: FROM HWY 51 9' NESBIT Rd. AT NESBIT,
GO WEST MI. PLANT ON SOUTH SIDE of
Rd.



210 000 FEET
(TENN.)

3865

3864000mN

170014-03
170014-02
170014-01

170027-02

34° 52' 30"
90° 00'

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982

ROAD LEGEND

- Improved Road
- Unimproved Road
- Trail

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



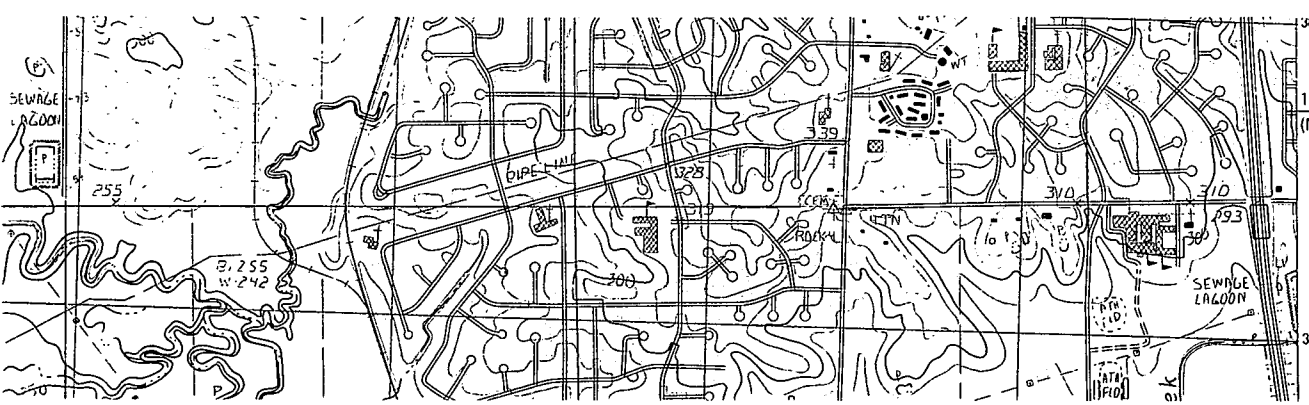
QUADRANGLE LOCATION

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

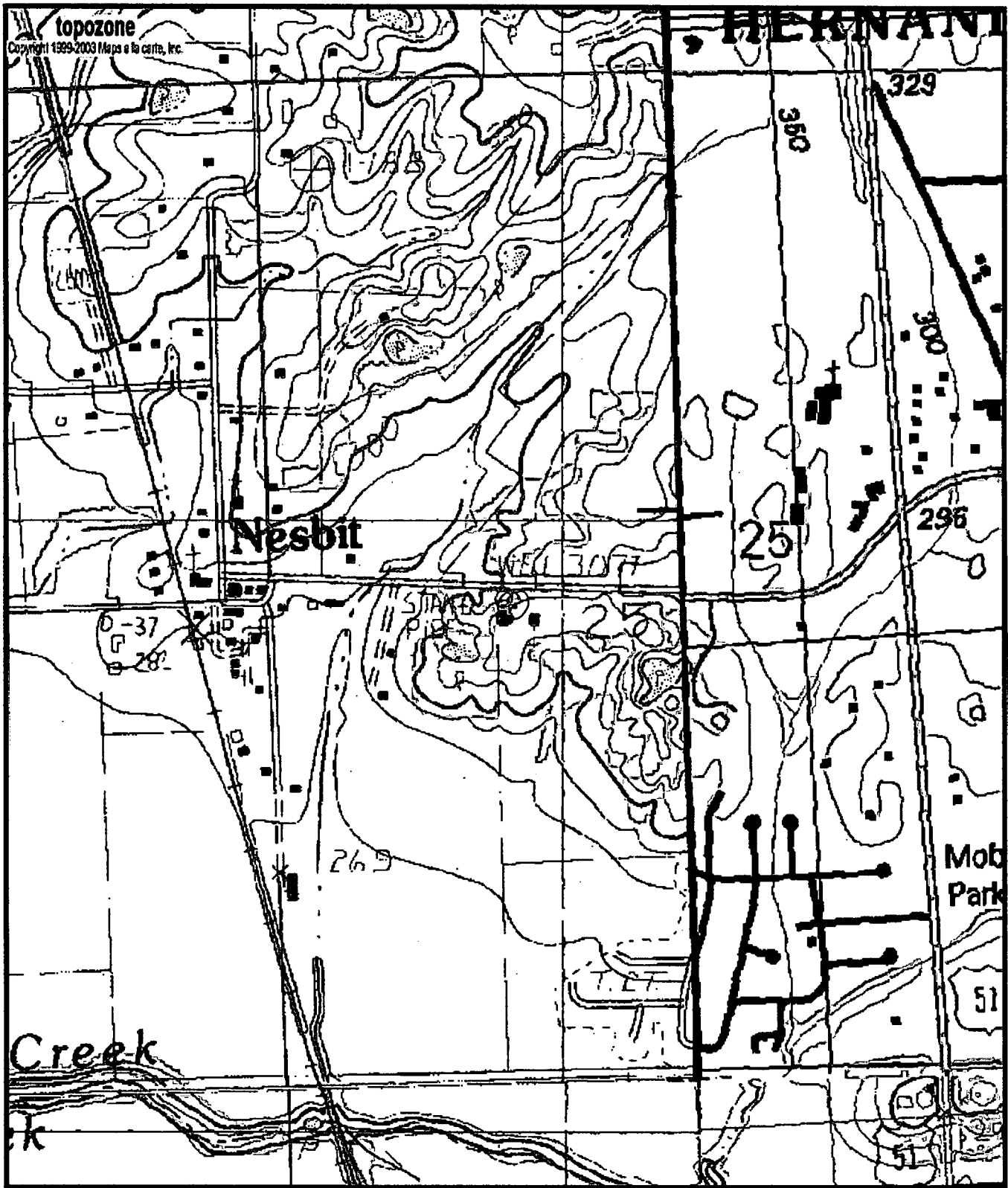
HORN LAKE, MISS.-TENN.
PROVISIONAL EDITION 1982

34090-H1-TF-024

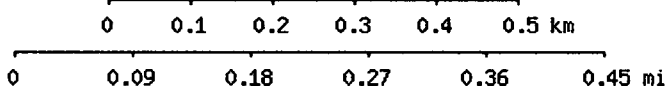


1 630 000 FEET
(MISS.)

3874



0170014-03
6W15470
F105



Map center is 34° 52' 56"N, 90° 00' 12"W (WGS84/NAD83)
Horn Lake quadrangle
 Projection is UTM Zone 15 NAD83 Datum

G
 M=-0.006
 G=1.715