

ID 345144 091553101

Alternate to 620 GW03104

G50

FORM 9-1642 (1-68)

Well No.

WELL SCHEDULE
GEOLOGICAL SURVEY

U. S. DEPT. OF THE INTERIOR

PUNCHED
WATER RESOURCES DIVISION
SEP 26 1973

MASTER CARD

Bowc.

Record by WTO Source of data Obs driller Date 2/73 Map Hernando

State Miss - 28 County (or town) DESOTO15 17

Latitude: 34 51 44 N Longitude: 08 9 55 3 W Sequential number: 1

Lat-long accuracy: 4 28 7 34 W NE SE NE

Local well number: G050 3402507W Other number: B & M

Local use: 002 Owner or name: BRIGHTS W A Address: North MS Utility Co.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other PW P

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hvd. lab. data: SPRT

Qual. water data; type:

Freq. sampling: Pumpage inventory: yes no period:

Aperture cards: yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 353 ft Meas. rept 3

Depth cased: 313 ft Casing type: 8x6 in Diam. 8

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) jetted, (J) air rot., (P) air percussion, (R) reverse, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: 11-21-72 972 Pump intake setting: ft 30 38

Driller: RATLIFF GRENADA

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep Shallow

Power (type): (nat) diesel, elec, gas, gasoline, hand, gas, wind; (LP) H.P. 25 Trans. or meter no. 41

Descrip. MP 382 390 BSW ft above below LSD, Alt. MP 47

Alt. LSD: 380 Accuracy: 47

Water Level: 80 Accuracy: 52 D

Date meas: N72 Yield: 348 gpm Method determined 61

Drawdown: ft Accuracy: 63 Pumping period: hrs 68

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. 72

Sp. Conduct K x 10 Temp. F Date sampled 77 79

Taste, color, etc. 73 74 76

HYDROGEOLOGIC CARD

0380109
 070132932
 22

MASTER CARD Physiographic Province: _____ Section: 03

Drainage Basin: D 15E Subbasin: _____

Topo of well site: (D) (C) (E) (F) (H) (K) (L) _____
 (Ø) (P) (S) (T) (U) (V) _____
 depression, stream channel, dunes, flat, hilltop, sink, swamp,
 offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: _____ system _____ series TE _____ aquifer, formation, group SPRT _____ TA

Lithology: _____ Origin: _____ 4S _____ 3 _____
 Aquifer Thickness: _____ 50 ft

Length of well open to: _____ ft _____ 40 _____ Depth to top of: _____ ft 304

MINOR AQUIFER: _____ system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ _____
 Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ _____ Depth to top of: _____ ft _____

Intervals Screened:

Depth to consolidated rock: _____ ft _____ Source of data: _____

Depth to basement: _____ ft _____ Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft _____ Coefficient Storage: _____

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

Well No.

G 50
 DESOTA Co.
 No E 600
 0203104
 11/21

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

CODED

WATER WELL DRILLERS LOG

19 72 Ret. E. Kelly Co. DESOTO
 date well completed firm name county well located

LANDOWNER: <u>Bright Water</u> <u>Issue:</u>	description of formations encountered	from	to
<u>Hernando, Miss.</u> (mailing address)			
WELL LOCATION: sec <u>34</u> T <u>2</u> N R <u>7</u> E S	<u>red clay</u>	<u>0</u>	<u>40</u>
<u>5</u> miles <u>NE</u> of <u>Hernando</u> (distance) (direction) (nearest town)	<u>Clay gravel</u>	<u>40</u>	<u>86</u>
WELL PURPOSE: <u>Industrial</u> (home, irrigation, municipal, industrial)	<u>fine pea gravel</u>	<u>86</u>	<u>140</u>
WELL COMPLETION DATA:	<u>blue clay</u>	<u>140</u>	<u>180</u>
(1) diameter (inches) <u>8"</u>	<u>sand</u>	<u>180</u>	<u>286</u>
(2) total depth (feet) <u>353'</u>	<u>clay</u>	<u>286</u>	<u>304'</u>
(3) static water level (feet) <u>80</u> relat above top of ground.	<u>coar sand</u>	<u>304</u>	<u>353</u>
(4) casing <u>St. Albans</u> <u>308'</u> (material) (depth)	<u>clay</u>		
<u>8"</u> if telescope see back. (size)			
(5) screen <u>40'</u> <u>313'</u> (length) (depth to top)			
<u>6"</u> <u>SS</u> (size) (material)			
(6) pump <u>35</u> <u>348</u> (HP) (yield gpm)			
<u>elec.</u> (type power)			
(7) electric log <u>(yes)</u> <u>No Log run</u> (yes or no)			
<u>USGS</u> (organization running log)			
(8) how well bottom plugged <u>Back</u> <u>pressure valve</u>			
DRILLERS REMARKS:			

CODED

SPARTA

DATA SHEET-VERIFICATION CHECKLIST

COUNTY DE SOTO

QUADRANGLE HERNANDO

WELL OWNER BRIGHTS WA

CHECKED

U.S.G.S. NO. G50

EHB
11-6-95

B.O.H. NO. _____

OLWR NO. _____

LOCATION:

MAP SE NE SE NE 34 25 7W

GPS _____

ELEV. (MSL) 375

W.L. (L.S.) (1) 143.25

(2) 143.85

HEAD (MSL) 231.15

SCREENED INTERVAL 313 - 353

AQUIFER VERIFIED SPARTA

PREVIOUS W.L. 80 1972

DATA ENTERED _____

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

MAR 0 1 1986

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.

4-23-96 AGN.

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

Issued: <u>7-22-86</u>	Expires: <u>5-13-2006</u>	Fee Paid: <input checked="" type="checkbox"/>	Permit No. <u>6A-3104</u>
Lat. <u>34 52 14</u>	Long. <u>89 55 09</u>	Elev. <u>370</u>	USGS No. <u>G50</u>
Quad. <u>Hernando</u>	ASCS Farm No.	STAC.	MSDOH No. <u>170002-01</u>
Aquifer: <u>SPRT</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. 03104

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 64-0676172
(Name) (SSN or Tax ID No.)
P O BOX 362, 1481 BYHALIA ROAD
(Address)
HERNANDO MS 38632 (601) 429-9509
(City) (State & Zip) (Telephone No.)

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

MAP SENT

(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):

SE 1/4 of the NE 1/4 of Section 34, Township 2 S, Range 7 W, 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)

- AQUIFER: SPARTA MISSISSIPPI DEPARTMENT OF HEALTH NO.: 170002-01
- Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? NOV 21, 1972. Under whose name was well originally drilled (if known)? BRIGHTS WATER ASSOCIATION
- Description of proposed or completed well:
 - DEPTH OF WELL: 353 feet. DRILLER: ROBERT E. RATLIFF CO
 - SURFACE CASING: Length _____ feet; Diameter 6 inches; Type BLACK IRON
 - SCREEN: Length 40 feet; Diameter 6 inches; Type STAINLESS STEEL
 - PUMP: Type TURBIN; Size 6"; Capacity 250 gallons per minute; Setting depth 160 feet
 - POWER UNIT: Type _____; Size _____ horsepower
- PERMITTED VOLUME:
 - _____ acre-feet per year at a maximum rate of _____ gallons per minute
 - 0.15 0.143 million gallons per day at a maximum rate of 250 gallons per minute

0.059

(CONTINUED ON BACK)

aquifer change from SPRT to SPRT

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 2260 or (b) The number of connections is _____
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?

155000	2000	170000	2005	190000	2010	215000	2015
(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:** _____

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

BILL J ROBERSON
(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 28th day of Feb, 1996, at Hernando County of Mississippi
My commission expires March 23, 1998; Rhonda Roberson (Roberson) Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

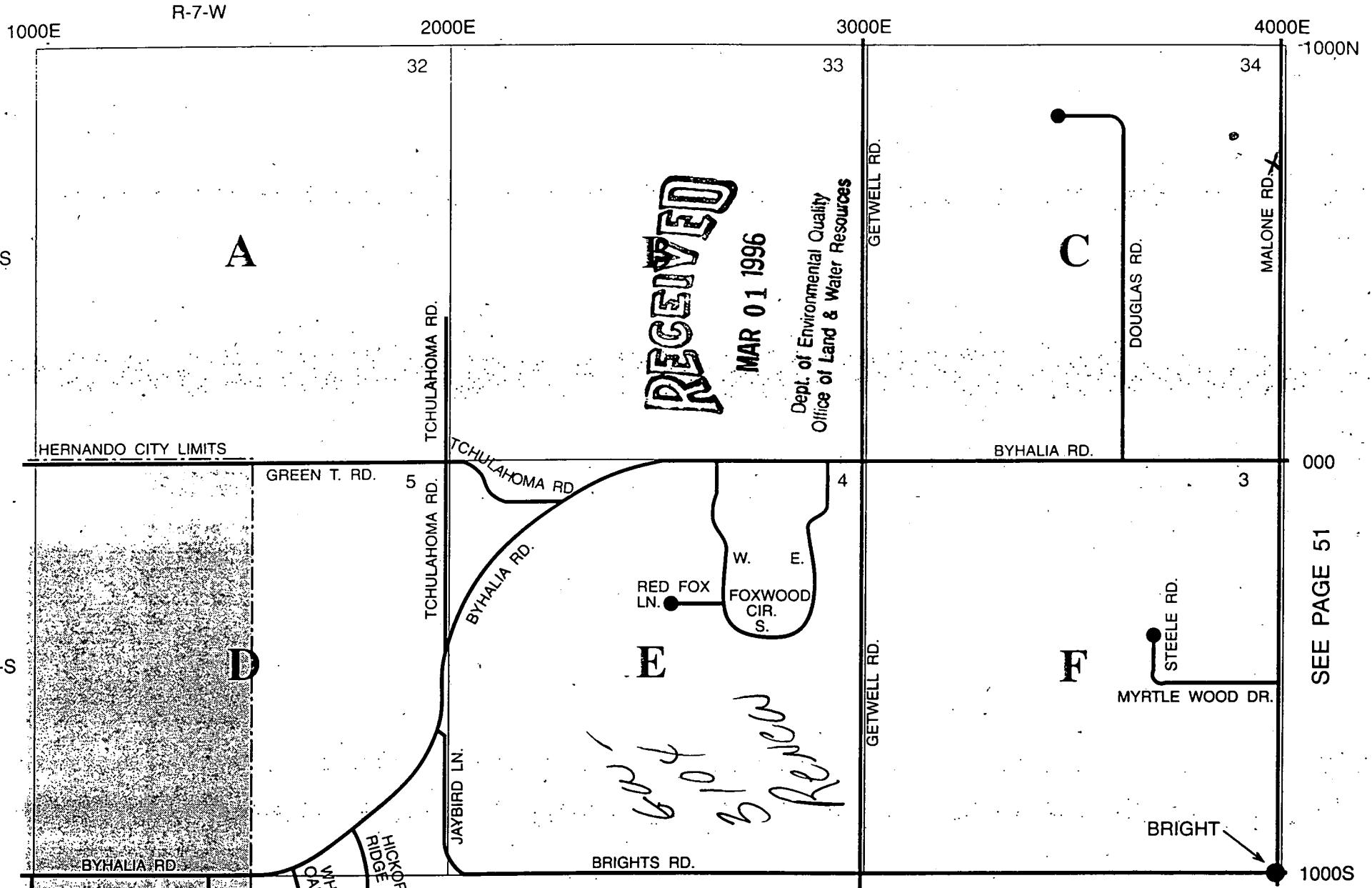
5484 PEG
USER NAME(S): LIA / DAS DATE: 7-24-96
UNIT DEQ #: 84090 FILE #: 6072413A
HEALTH DEPT. #: 17.0002-01 ELEV. 385
USGS #: 650 OLWR #: MS-GW-03104
OWNER: Bright Water Pass (North Miss Utility, Inc.)
LOCATION: NE/SE/NE S 34 T 25 R 7W COUNTY: De Soto
LOCATION DESCRIPTION: Well in NW corner approx 200'
from # 2
CASING DIA: 8" PUMP TYPE & SIZE: _____
GPS FIELD LOCATION: LAT. 34-53-247 N LONG. 89-55-185 W
GPS CORRECTED LOCATION: LAT. 34.87101502 LONG. 89.92005881
REMARKS: See # 2's records for location

note
B072413A Location
no Good

033G0050.bmp



Malone Rd. is in background behind G71. Treatment facility and pressure tank are partially visible over truck. 12 / 9 / 98



SEE PAGE 49

T-3-S

T-2-S

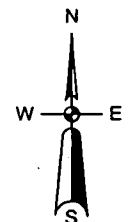
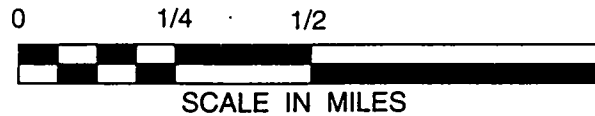
SEE PAGE 51

1000S

000

1000N

SEE PAGE 60

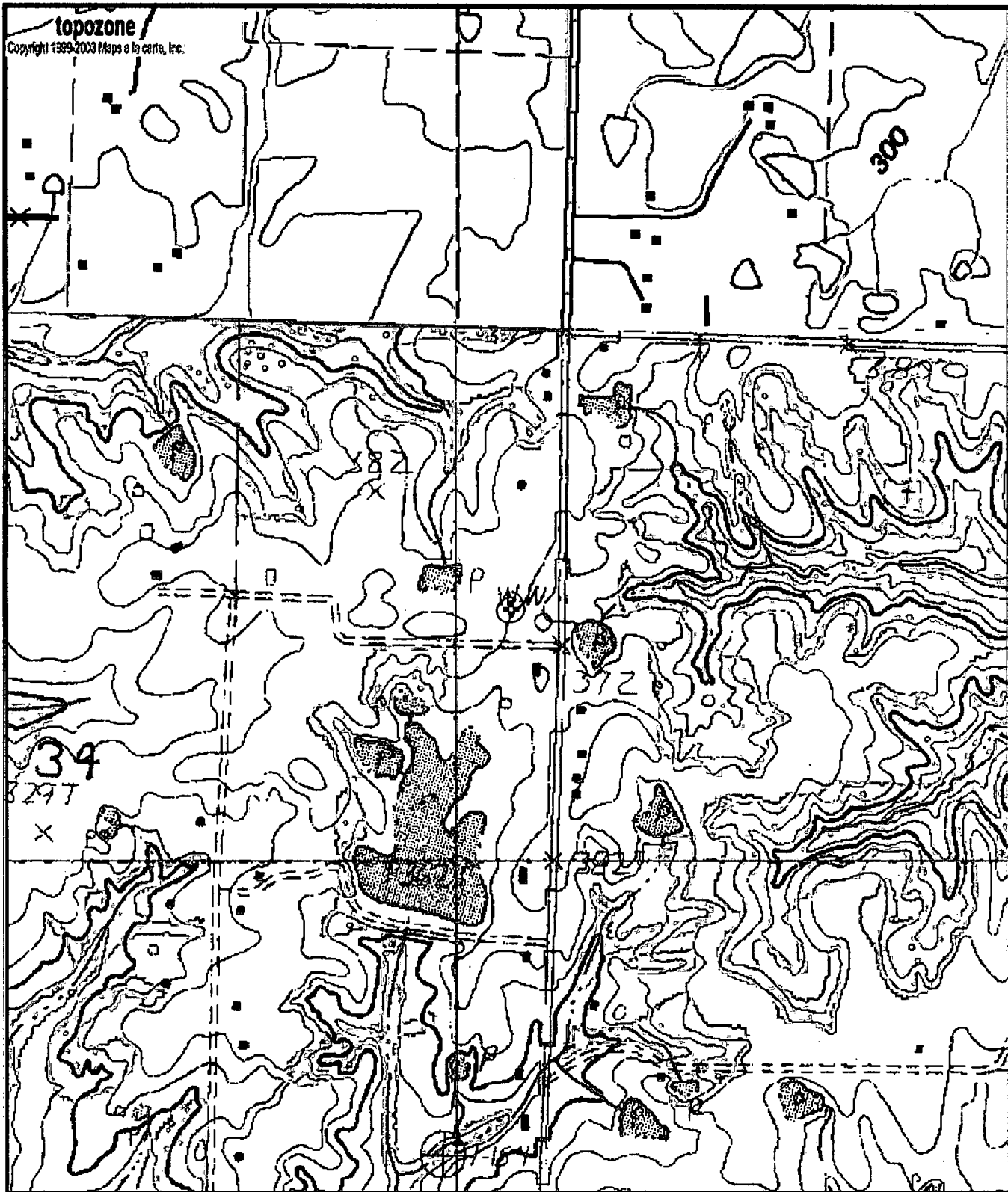


RECEIVED

MAR 01 1996

Dept. of Environmental Quality
Office of Land & Water Resources

*604
510
Review*



0170002-01
6w03104
G50

0 0.1 0.2 0.3 0.4 0.5 km
0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 34° 52' 16"N, 89° 55' 12"W (WGS84/NAD83)

Hernando quadrangle

Projection is UTM Zone 16 NAD83 Datum

M=-0.068
G=-1.671