

Well No. L 4

Latitude-longitude _____
d m s d m s

HYDROGEOLOGIC CARD

Physiographic Province: 113 Section: _____

Drainage Basin: D Subbasin: 15E

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

MAJOR AQUIFER: system _____ series 7E aquifer, formation, group SPRT 53

Lithology: US Origin: 2 Aquifer Thickness: 102 ft

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

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: 6" 36' 27'

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

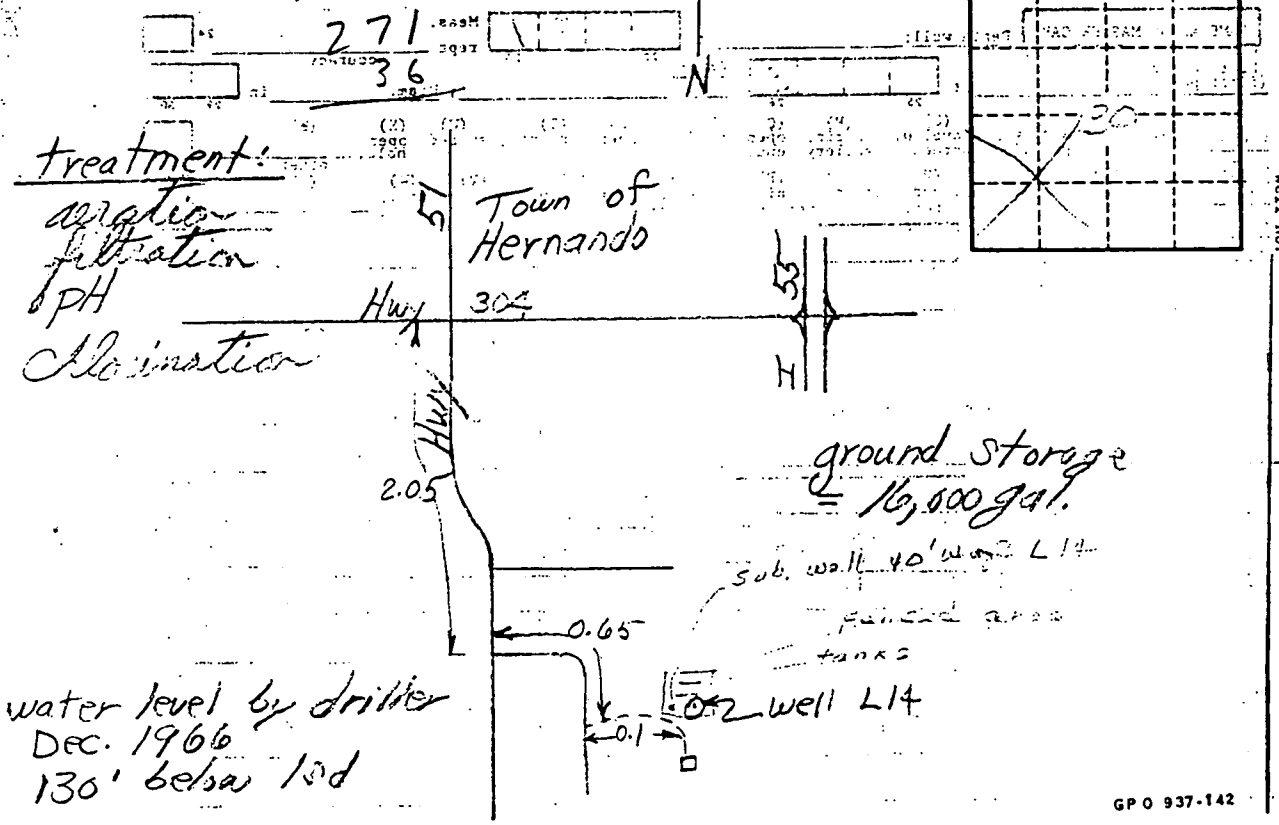
Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft Coefficient Storage: _____

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

water use, 7-10-74, 268 customers



treatment:
aeration
filtration
pH
Alumination

water level by driller
Dec. 1966
130' below 13d

SPARTA

DATA SHEET-VERIFICATION CHECKLIST

COUNTY DE SOTO

QUADRANGLE HERNANDO

WELL OWNER BELMONT ROAD WA

CHECKED

U.S.G.S. NO. L14

EHR.
11-6-95

B.O.H. NO. _____

OLWR NO. _____

LOCATION:

MAP NW SW SE SW 30 35 7W

✓

GPS _____

ELEV. (MSL) 375

✓

W.L. (L.S.) (1) 130.9

✓

(2) 130.9

✓

HEAD (MSL) 244.1

✓

SCREENED INTERVAL 235 - 271

✓

AQUIFER VERIFIED SPARTA

✓

PREVIOUS W.L. 137.19 10-30-89

✓

DATA ENTERED _____

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

RECEIVED

APR 15 1996

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5207

Dept. of Environmental Quality
Office of Land & Water Resources
FORM OLWR-AP-2 (REV. 9/94)

This box is for office use only.

Issued: 5-28-96	Expires: 5-28-2006	Fee Paid: X	Permit No. GW-15079
Lat. 34-47-22	Long. 89-58-48	Elev. 365	USGS No. L14
Quad: Hernando	ASCS Farm No.	STAC.	MSDOH No. 17000101
Aquifer: SPRT	Tract No.		Basin No.
Remarks:			Dam Inv. No.

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

THIS APPLICATION IS FOR (Circle one): **GROUNDWATER** COMPLETE A,B,E (WELL #1, BACK WELL)

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: **BELMONT WATER ASSN. INC.** **64-0779414**
(Name) (SSN or Tax ID No.)

P.O. Box 156
(Address)

HERNANDO **MS. 38632-046** **800** **895-9790**
(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 corner of the **SW 1/4** of Section **30**, Township **3 South**, Range **7 West**, 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.: **0170001**

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

If well has already been drilled, when was well completed (date)? **November 21**, 19**66** Under whose name was well originally drilled (if known)? **BELMONT WATER ASSN. INC.**

3. Description of proposed or completed well:

(a) DEPTH OF WELL: **276** feet. DRILLER: **LAYNE-CENTRAL Co.**

(b) SURFACE CASING: Length **234** feet; Diameter **8** inches; Type **PVC**

(c) SCREEN: Length **35** feet; Diameter **6** inches; Type _____

(d) PUMP: Type **Submersible**; Size **5 phase**; Capacity **250** gallons per minute; Setting depth _____ feet

(e) POWER UNIT: Type **3 Phase**; Size **20** horsepower

4. PERMITTED VOLUME:

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

(b) **12,860,000 MAX.** million gallons per day at a maximum rate of **250** **250** gallons per minute
67,000 AVG.

(CONTINUED ON BACK)

SECTION C

(to be completed for SURFACE WATER SOURCE)

- Source of water is from _____ which drains into _____
which drains into _____ (major stream or river)
- Description of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
- _____ 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)

- Name of storage reservoir: _____ Dam Height: _____ feet
- 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)

- 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. _____
- FISH CULTURE:** Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____
- 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 550
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>167,000</u>	<u>2000</u>	<u>185,000</u>	<u>2005</u>	<u>200,000</u>	<u>2010</u>	<u>215,000</u>	<u>2015</u>
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)
- 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? _____
- RECREATION:** Explain how water will be used: _____
- OTHER USE:** Explain in detail (if needed, attach another page): _____
- REMARKS:** _____

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

EDDIE WALDRUP
(Name)
5930 BELMONT RD
(Address)
HERNANDO, MS. 38632
(City, State, Zip)
601-429-4956
(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.

Eddie Waldrup, Treasurer
(Signature)

Subscribed and sworn to before me this 10th day of April, 1996, at Hernando, TN County of Shelby
My commission expires My Commission Expires 10-28-96 Reggie J. Jackson Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

5HO-PEG
USER NAME(S): CAR/DPS DATE: 7-23-94
7/27/94
UNIT DEQ #: 89090 FILE #: B0728190
80727150
HEALTH DEPT. #: 170001-01 ELEV. 345
USGS #: 2-452 LIA OLWR #: MS-6W-15079
OWNER: BELMONT W/A
LOCATION: NW/SW/SE S 30 T. 3S R 7W COUNTY: DE SOTO
HERNANDO QUAD
LOCATION DESCRIPTION: WELL IN SE CORNER OF PLANT YARD.
SOUTH OF TANK.
CASING DIA: _____ PUMP TYPE & SIZE: _____
GPS FIELD LOCATION: LAT. 34.47357N LONG. 89.59055W
34° 47' 20.2" 89° 59' 05.4"
GPS CORRECTED LOCATION: LAT. 34.78916080 LONG. 89.98460148
REMARKS: TAKE HWY 51 SOUTH FROM HERNANDO 1.75 MI.
TO BELMONT RD. TURN RIGHT GO .5 MI PLANT
ON LEFT TAKE CHAUVIN RD.
#2 is 40ft west of #1
GPS Located at #2



3859
50'
3858
3857
3856
3855
3854
47' 30"
3853

70009-01
x Cr. Bottom

0044-01-02

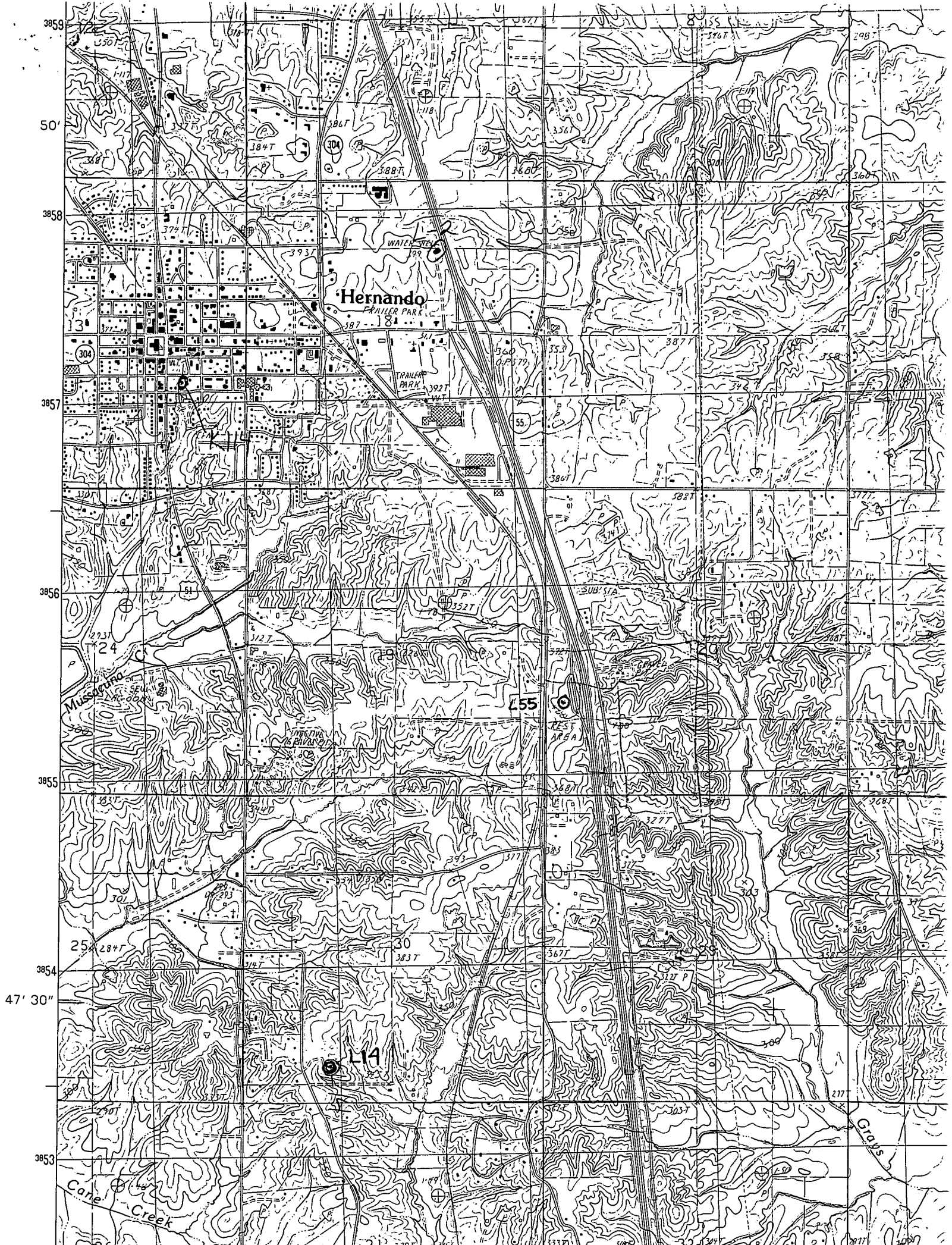
Hernando
TRAILER PARK

70009-01

170045-01

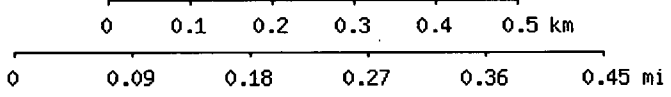
70001-01-01

Cane





0170001-001
GW15079
L14



Map center is 34° 47' 21"N, 89° 59' 05"W (WGS84/NAD83)
Hernando quadrangle
Projection is UTM Zone 16 NAD83 Datum

