

FORM 9-1642
(1-68)

Well No. D2

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

MASTER CARD Jae
B.E. Wasson Source J. Daddridge Date 9/28/60
Record by P.C. Sant D.J. Nyman data Obs. Date 12/15/58 Loc. OLIVE BRANCH 30B

State 2 28 County (or town) DeSoto 2 17

Latitude: 34 57 26 N Longitude: 08 9 49 29 Sequential number: 1

Lat-long accuracy: 3 T. 1 S. R. 6 Sec 34 NW SE SE SE NW SE

Local well number: D0002DB3401S06W Other number: at Krumm - Sed.

Local use: 064 Owner or name: Town of Olive Branch

Owner or name: OLIVE BRANCH Address: Well #2

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

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 AB

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

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

Hyd. lab. data: USGS 3/71

Qual. water data: type: C

Freq. sampling: Pumpage inventory: no. period: SPRT yes

Aperture cards: SPRT yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 272 ft 266 Meas. 3

Depth cased: (first perf.) 232 ft Casing type: 10 X 6 in accuracy 1:0

Finish: porous concrete, gravel w. (perf.), (screen), gravel w. (screen), horiz. gallery, open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other 5

Method: (A) air bored, (B) cable, (C) dug, (D) hyd jetted, (E) rot., (F) percussison, (G) rotary, (H) air reverse, (I) trenching, (J) driven, (K) drive wash, (L) other H

Date Drilled: 9.5.6 Pump intake setting: 33 ft 35

Driller: Layne C. name address

Lift (type): (A) air, (B) bucket, (C) cent., (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot., (J) submerg, (K) turb, (L) other T Deep 40 Shallow

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

Descrip. MP 403 ft above LSD, Alt. MP 47

Alt. LSD: 400 Accuracy: (source) 3

Water Level: 146.42 ft above MP; 140 ft below LSD Accuracy: 52 A

Date meas: 1.31.73 9.7.3 Yield: 270 gpm Method determined 61

Drawdown: 67 ft Accuracy: 65 Pumping period 68 hrs

QUALITY OF WATER DATA: Iron 75 ppm Sulfate 1 ppm Chloride 170 ppm Marc. 371

Sp. Conduct 75 K x 10 1 Temp. 17.0 °C Date sampled 3/3/71 371

Taste, color, etc.

wk Data
11/30/88
W/L = 143.06

PUNCHED and VERIFIED
ROLLA CURTIS LOCATION BRANCH
PUNCHED

Well No. D2

Well No. D2

Latitude-longitude _____
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD 0.3 Physiographic Province: _____ Section: _____

D Drainage Basin: _____ 15E Subbasin: _____

(D) (C) (E) (P) (H) (K) (L)
Topo of well site: depression, stream channel, dunes, flat, hilltop, sink, swamp, _____

(O) (P) (S) (T) (U) (V)
offshore, pediment, hillside, terrace, undulating, valley flat _____

MAJOR AQUIFER: _____ TE _____ SS _____

Lithology: _____ US Origin: _____ 2 Aquifer Thickness: _____ ft

Length of well open to: _____ ft 30 Depth to top of: _____ ft _____

MINOR AQUIFER: _____ _____ _____ _____

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

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

Intervals Screened:

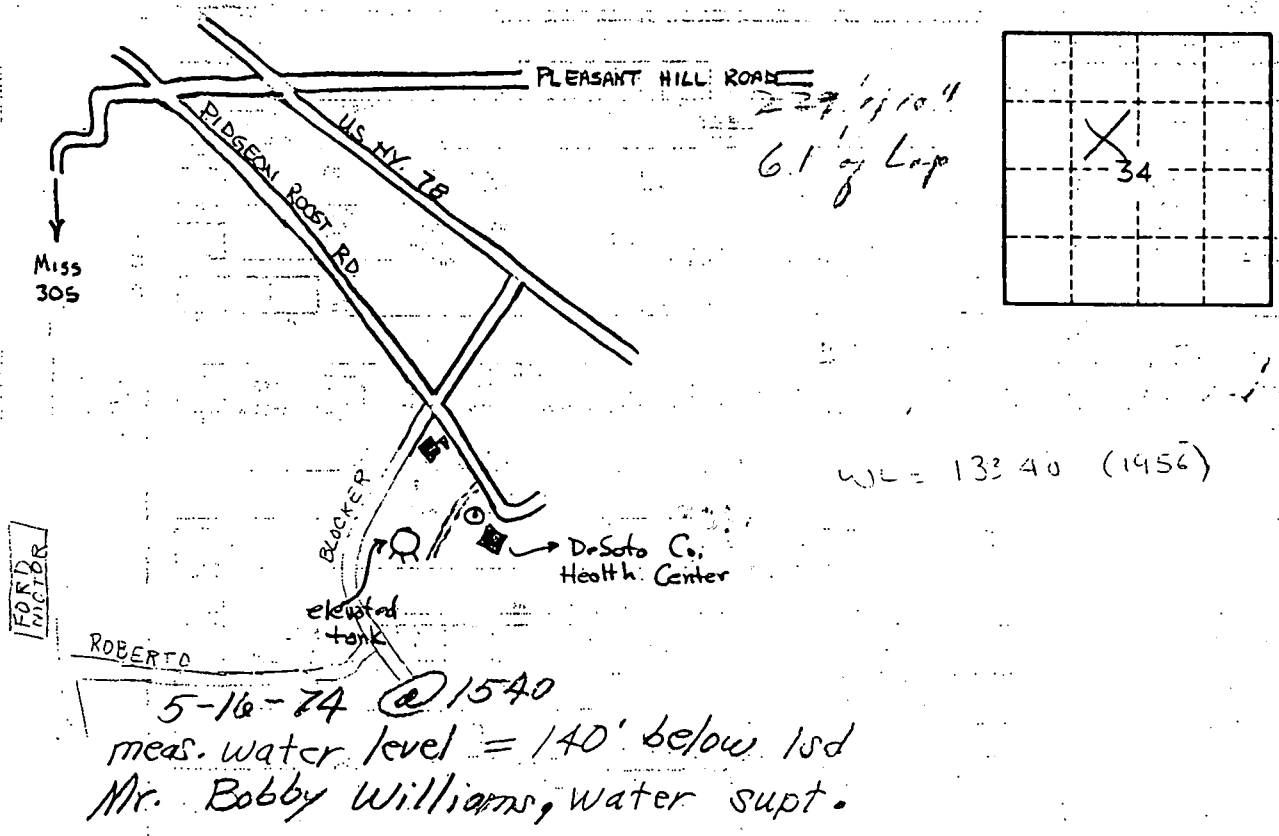
Depth to consolidated rock: _____ ft _____ Source of data: _____

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

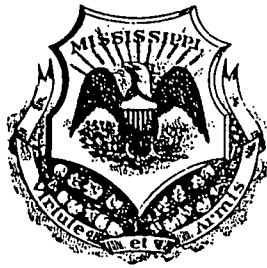
Surficial material: _____ _____ Infiltration characteristics: _____

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

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



State of Mississippi



Department of Natural Resources
Bureau of Land and Water Resources
P.O. Box 10631
Jackson, Mississippi 39209

Permit

TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS

This is to certify that the Permit Board of the State of Mississippi has examined application number MS-GW-01665 submitted by:

City of Olive Branch 9189 Pigeon Roost Road, Olive Branch, Miss. 3865
(Name) (Mailing Address)

to utilize the public waters of the State of Mississippi for beneficial use, together with the maps, plans and other submitted data, and that the same found to be in accordance with the laws of Mississippi under the provisions of Title 51, Chapter 3, Mississippi Code of 1972, as amended, is hereby approved. Authorization is hereby granted to proceed with the proposed beneficial use subject to the following terms, conditions and limitations:

Source of Water Sparta Sand

For the Purpose of MANAGE AB 1-11-93 SWB

Point of diversion or withdrawal to be located SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 34

Township 1 South Range 6 West, County of DeSoto

Amount of diversion or withdrawal shall be limited to 0.30 million gallons per day

Maximum Rate of diversion or withdrawal shall be limited to 250 gallons per minute

Permitted waters shall be used at or upon the following described land:

Not applicable

The above described land is owned by and this Permit is issued to:

City of Olive Branch 9189 Pigeon Roost Road, Olive Branch, Miss. 3865
(Name) (Address)

Permit No.: MS-GW-01665 Date Permit issued: Feb. 25, 1980 Date Permit expires: Feb. 25, 1996

This permit is issued in accordance with the provisions of the Mississippi Water Laws (Section 51-3-1 et seq., Mississippi Code of 1972, as amended), and the regulations and standards as promulgated thereunder.

DEPARTMENT OF NATURAL RESOURCES

Charlie L. Blalock
Charlie L. Blalock
Executive Director

RETURN COMPLETED FORM TO:
Bureau of Land and Water Resources
P.O. Box 10631
Jackson, Mississippi 39209
Telephone (601) 961-5200

RECEIVED
FEB 10 1986

Department of Natural Resources
Bureau of Land & Water Resources

| | |
|-----------------------------|---------------------|
| For Office Use Only: | |
| County: | <u>DeSoto</u> |
| Date Received: | <u>2-10-86</u> |
| Permit No.: | <u>MS-64-01665</u> |
| Quad Map: | <u>Olive Branch</u> |
| Water Management Dist: | |
| Hydrologic River Basin: | <u>08030204</u> |

NOTICE OF CLAIM FOR CONTINUED USE OF SURFACE/GROUND WATERS FOR BENEFICIAL USE

Pursuant to the laws of the State of Mississippi, namely §51-3-5 (2) or (3), as amended, I, the landowner, _____

| | |
|------------------------------|---------------------|
| <u>City of Olive Branch</u> | <u>64-6001544</u> |
| (Name) | (S/S or Tax ID No.) |
| <u>9189 Pigeon Roost Rd.</u> | <u>Olive Branch</u> |
| (Address) | (City or Town) |
| | <u>MS 38654</u> |
| | (State and Zip) |

(601) 895-4000, do hereby file claim for the continued use of: (circle one)
(Telephone Number)

surface water ground water for the following beneficial use: (circle one or more)

municipal; irrigation; recreation; livestock water; fish culture; industrial;

Other _____ (Specify)

1. Name & Address of agent or applicant if different from landowner.

| | | |
|----------------|---------------------|--------------------|
| <u>(Same)</u> | | |
| (Name) | (S/S or Tax ID No.) | (Address) |
| | | () |
| (City or Town) | (State and Zip) | (Telephone Number) |

2. Location of point of diversion/withdrawal (include location map with claim)

SE 1/4 of NW 1/4 of Section 34, Township 1, Range 6, County DeSoto

3. Volume of water diverted/withdrawn:

(1) _____ acre feet per year, diverted/withdrawn at a maximum rate of _____ gallons per minute; or

(2) 0.3 million gallons per day, diverted/withdrawn at a maximum rate of 250 gallons per minute.

4. Description of lands on which water will be used:

(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary _____

(b) Has the above described land any water right or source of water supply other than that herein applied for?

(Water Rights Number(s) _____) Describe the nature and amount of any additional supply _____

SECTION A (to be completed if source of water is from surface supply)

1. Prior water rights permit/license number _____, dated _____

2. Source of supply is _____ which drains into _____

_____ which drains into _____

3. Description of diversion works:

(a) Water obtained directly from stream: _____ (Name)

Pump _____ Power Unit _____
(Size and type) (Size and type)

Lift _____ ft. Maximum capacity _____ gpm

(b) Storage reservoir _____ (Name)

Height of dam _____ feet. Surface area at normal pool _____ acres

Storage capacity at normal pool _____ acre feet

SECTION B (to be completed if source of water is from underground supply)

1. Source of supply: Memphis aquifer(s)
 2. Description of water well:
 - (a) **Well data:**
 - (1) Date well completed 1956
 - (2) Depth drilled 272 feet
 - (3) Type of completion Straight wall well
 - (4) Surface elevation 380 feet
 - (b) **Screen data:**
 - (1) Depth to bottom _____ feet
 - (2) Length _____ feet
 - (3) Diameter 6 inches
 - (4) Type stainless steel
 - (5) Slot _____ inches
 - (c) **Casing data:**
 - (1) Length(s) _____ feet; Diameter(s) 10 inches
 - (2) Type steel
 - (d) **Pump data:**
 - (1) Type & Size _____
 - (2) Capacity 250 gpm
 - (3) No. stages _____
 - (4) Setting depth _____ feet
- Well Driller Layne Central, Memphis, TN.
(Name of Company)

WATER USE DATA

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

| TOWN-SHIP | RANGE | SEC. | NE¼ | | | | NW¼ | | | | SW¼ | | | | SE¼ | | | | TOTALS | |
|-----------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|--|
| | | | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

- (b) List the acres to be irrigated: Rice _____; Cotton _____; Corn _____; Pasture _____; Truck _____; Other crops (_____) _____ acres.
2. If for MUNICIPAL use: (a) Present population 2067 (based on 19 80 Census)
(b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years:
0.095 19 91 ; 0.112 19 96 ; 0.125 19 001 ; 0.150 19 006 .
3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year _____; rate of release _____; location of release point in reference to diversion point _____ (show location on map)
(b) Explain any change in quality of water to be released: _____
4. If for RECREATIONAL use: Explain how water will be used _____
5. If for FISH CULTURE use: (a) Explain in detail how water will be used _____
(b) Number of times reservoir will be emptied and filled annually: _____
6. If for ANY OTHER use: (a) Explain in detail _____

REMARKS Permit No. NGW 17040002
The City is not using this well, but with some work on it and water treatment at the site, it could be used. 3/30/92 J.E. Lauderdale says are using this well for rural H₂O supply. AMM

List below the name and address of person to be contacted for additional information, if required. The accompanying map is hereby declared a part of this application.

J. E. Lauderdale, City Engineer
(Name)
P. O. Box 327
(Address)
Hernando, MS. 38632

J. E. Lauderdale
(Signature)

Subscribed and sworn to before me this 8th day of Feb. 19, 86, at Hernando
 County of Desoto, Mississippi. My commission expires 1/4/88
W. B. Ferguson Chan. Ch. Notary Public
W. D. Taylor D.C.

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES

Bureau of Land and Water Resources

P. O. Box 10631

Jackson, Mississippi 39209

WATER WELL PLUGGING

DECOMMISSIONING

| | |
|-------------------------------|-------|
| COUNTY WELL LOCATED Desoto | |
| WELL NUMBER 17015-01 | CODED |
| DATE WELL PLUGGED 12-11-92 | |

| |
|--------------------------------------|
| PERMIT NUMBER 01665 |
| NAME OF DRILLING FIRM Layne, Inc. |

| | | | |
|------------------------------------------------------------------------|-----------|--------------|-------|
| NAME & MAILING ADDRESS OF LANDOWNER | | | |
| Town of Olive Branch | | | |
| 9189 Pigeon Roost Road | | | |
| Olive Branch, MS 38654 | | | |
| WELL LOCATION | SEC | TOWNSHIP | RANGE |
| | 34 | 1S | 6W |
| DISTANCE | DIRECTION | NEAREST TOWN | |
| | | Olive Branch | |
| OTHER LANDMARK | | | |
| Front of School | | | |
| WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. | | | |
| Municipal | | | |

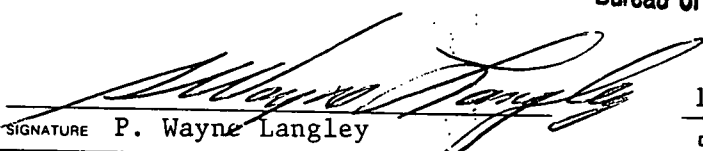
| | | |
|----------------------------------------------|-----------------------|-----------------------------|
| NAME OF WELL CONTRACTOR WHO DRILLED THE WELL | | |
| Layne-Central | | |
| Memphis | | |
| NAME OF LANDOWNER WHEN WELL WAS DRILLED | | |
| Town of Olive Branch | | |
| WELL DATA | | |
| Well Depth | Casing Diameter (In.) | Casing Length (Ft.) |
| 266 | 10 | 229 |
| Type of Casing | Hole Depth | Depth to Static Water Level |
| Steel | 272 | 132' |
| DATE WELL COMPLETED | | |
| 7-30-56 | | |

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DESCRIBE HOW THE WELL OR HOLE WAS PLUGGED: (AMOUNT OF CASING AND/OR SCREEN THAT WAS REMOVED, OR LEFT IN HOLE, MATERIAL USED IN PLUGGING, ETC.) | |
| Turbine pump was removed | |
| 2" Tremie Pipe installed to 265' | |
| Neat Cement was mixed and pumped at site thru Tremie Pipe | |
| utilizing 98 sacks of Portlan Cement and 100# Bentonite | |
| 10# HTH | |

RECEIVED

JAN 11 1993

Layne Job #573409

| | |
|----------------------------------------------------------------------------------------------------------|-------------|
| I CERTIFY THAT THE WELL WAS PLUGGED OR ABANDONED IN ACCORDANCE WITH THE STATE OF MISSISSIPPI REGULATIONS | |
|  | |
| SIGNATURE P. Wayne Langley | DATE 1-6-93 |

Dept. of Environmental Quality
Bureau of Land & Water Resource

✓
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

5HD + DEG
USER NAME(S): LIAN / AKO DATE: 7-24-96
7/27/94

UNIT DEQ #: _____ FILE #: B07-24-22C

HEALTH DEPT. #: 170015-01 ELEV. 399

USGS #: _____ OLWR #: D-2 MS-GW-01605

OWNER: City of Olive Branch

LOCATION: SE 1/4 NW S 34 T 1 S R 6 W COUNTY: DeSoto

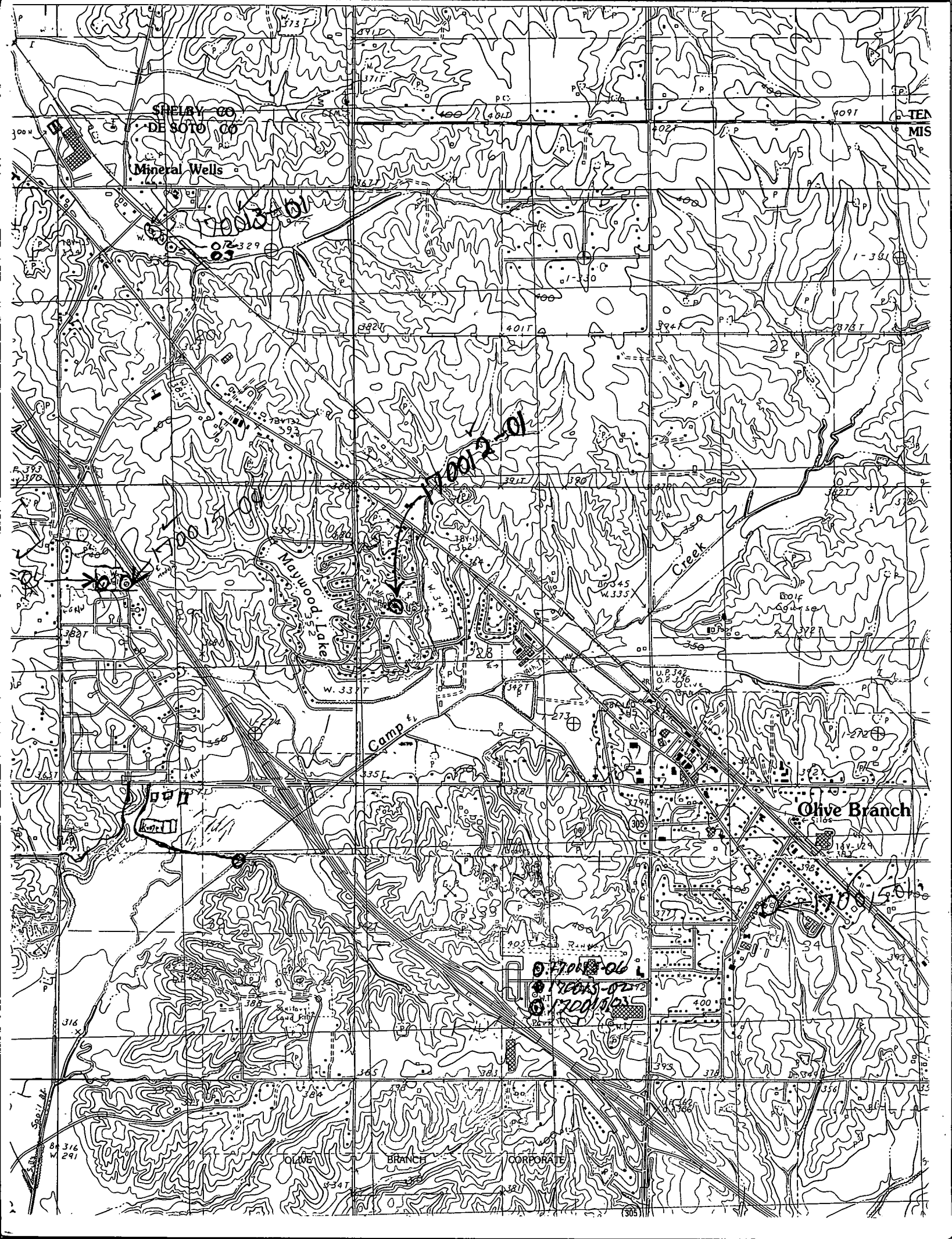
LOCATION DESCRIPTION: AS ABOVE

CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 34° 57' 23.4" LONG. 89° 49' 23.5"

GPS CORRECTED LOCATION: LAT. 34.95633589 LONG. 89.82284113

REMARKS: _____



SHELBY CO
DE SOTO CO

Mineral Wells

Maywood Lake

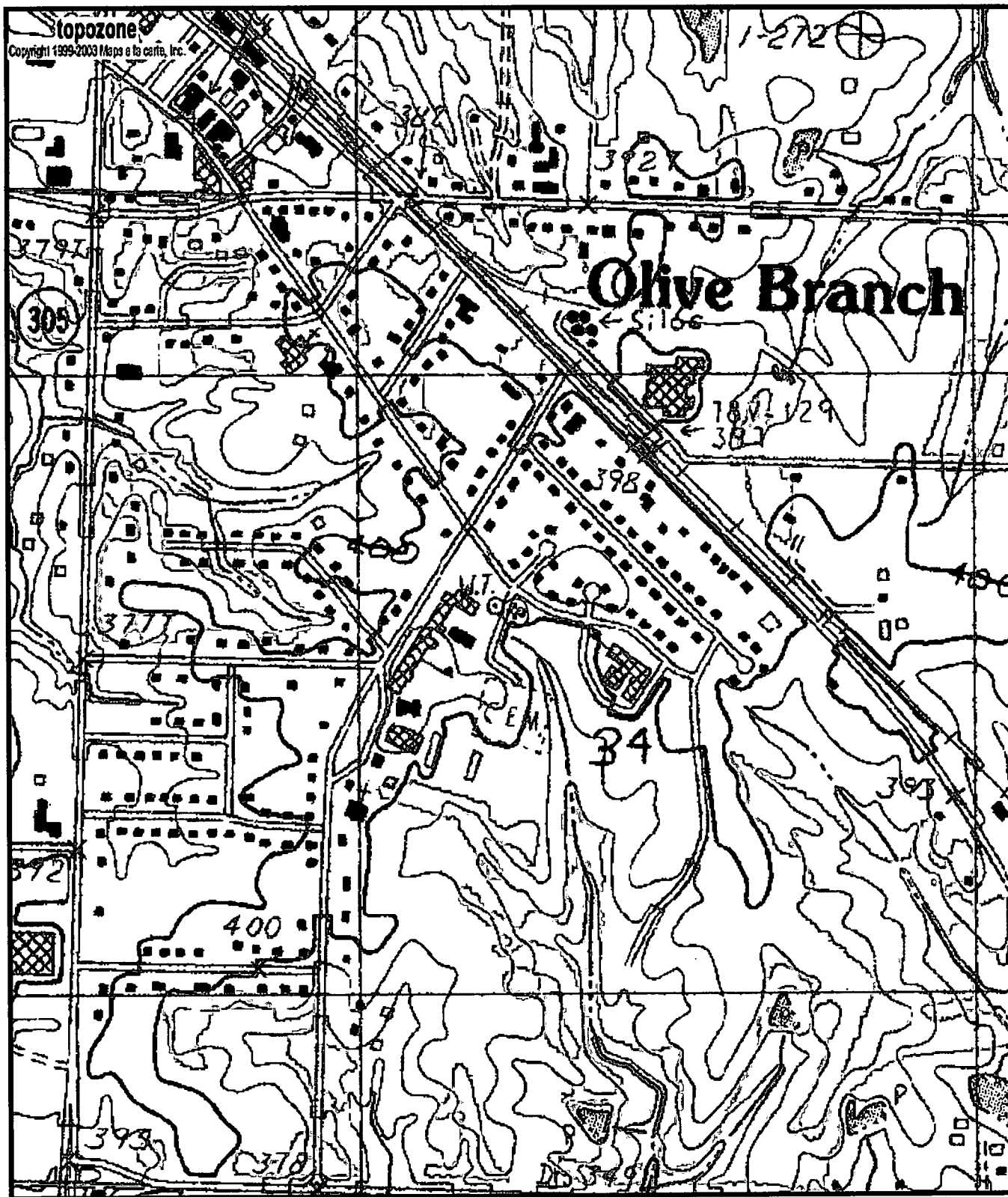
Camp L

Olive Branch

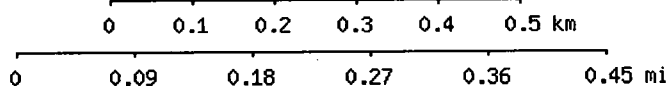
OLIVE BRANCH CORPORATE

Wood 01

02-329
02-06
02-07
02-08



0170015-01
6W01665
D2



Map center is 34° 57' 23"N, 89° 49' 22"W (WGS84/NAD83)
Olive Branch quadrangle
 Projection is UTM Zone 16 NAD83 Datum

M=-0.152
G=-1.619