

6W 14228  
0060051-01

Coded By 2 10/92  
Checked By JR 12-19-94  
Entered By LL  
Date 12/94

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 91  
County SUNFLOWER  
Agency

Well No. E 77

WELL RECORD

Cleveland Quad

Agency Code U S G S Site Id 14331445110910391310111 Project No. 5

Station Name 12 E 077 BOYLE-SKIENE W IA Latitude 9 33 44 51 Longitude 10 09 10 39 13 01

Lat/Long Ac. 11 S F T M Dist 6=28 State 7=28 County SW SW Land Net 13 N W S W S I 3 1 0 T 1 2 2 N I R 1 0 4 W

Location Map 14 CLEMELAND Altitude 16 135 Met/Meas 17 A L M Accuracy 18 15 Hydrologic Unit 20 018 013 012 017

Agency Use 803 A I O Date Inventoried 7 11 Station Type 4 Data Type 804

Instru. 805 Remarks 806 Relia. 3 C L M U 2 W X

Date of Construction WA Well Use 23 W Water Use 24 P Primary Aquifer 7 1 4 1 2 4 S P I R T I Hole Depth 27 173

Well Depth 28 1709 Water Level 30 150 Water Level Date 31 09 / 28 / 11 99 2 Method 34 Status 37 Source 33 D

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date 6 09 / 28 / 11 99 2 Contractor 63 064 Name Layne Method 65 H Finish 66 G

CONSTRUCTION CASING DATA

|      |     |       |      |          |          |          |
|------|-----|-------|------|----------|----------|----------|
| R=76 | T=A | 725#1 | 59#1 | 77 11 01 | 78 16 67 | 79 11 01 |
| R=76 | T=A | 725#2 | 59#1 | 77 16 07 | 78 16 69 | 79 16 1  |

CONSTRUCTION OPENINGS DATA

|      |     |       |      |          |          |       |      |       |          |
|------|-----|-------|------|----------|----------|-------|------|-------|----------|
| R=82 | T=A | 726#1 | 59#1 | 83 16 69 | 84 11 09 | 87 16 | 85 S | 89 11 | 88 10 20 |
| R=82 | T=A | 726#2 | 59#1 | 83       | 84       | 87    | 85   | 89    | 88       |

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 T Date 38 09 / 28 / 11 99 2 Intake 44 11 21 01

Power 45 F H.P. 46 30 Serial No. 49

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159 09 / 28 / 11 99 2 Owner Name 161 BOYLE-SKIENE W IA

MISCELLANEOUS OTHER ID DATA

E-Log No. Assigner

MISCELLANEOUS QW DATA

|       |     |       |   |   |                      |                                 |
|-------|-----|-------|---|---|----------------------|---------------------------------|
| R=192 | T=A | 738#1 | Date of Measurement<br>1934     /     /                 . | Aquifer Sampled<br>195#                             . | Temp<br>196#00010    | Value<br>197#                 . |
| R=192 | T=A | 738#2 | Date of Measurement<br>1934     /     /                 . | Aquifer Sampled<br>195#                             . | Sp Cond<br>196#00095 | Value<br>197#                 . |
| R=192 | T=A | 738#3 | Date of Measurement<br>1934     /     /                 . | Aquifer Sampled<br>195#                             . | pH<br>196#00400      | Value<br>197#                 . |

MISCELLANEOUS LOGS DATA

|       |     |       |                   |                                 |                               |
|-------|-----|-------|-------------------|---------------------------------|-------------------------------|
| R=198 | T=A | 739#1 | Log Type<br>199#E | Req. Depth<br>200#     12     . | End Depth<br>201# 17126     . |
| R=198 | T=A | 739#1 | Log Type<br>199#D | Req. Depth<br>200#     10     . | End Depth<br>201# 17131     . |

MISCELLANEOUS NETWORK DATA 706 = QW WL WD \*

|       |     |       |                               |                              |   |                     |
|-------|-----|-------|-------------------------------|------------------------------|---|---------------------|
| R=114 | T=A | 730#1 | Beg. Year<br>115#     9     . | End Year<br>116#     9     . | Agency Source<br>120=A 117#           . | Freq.<br>118#     . |
| R=121 | T=A | 730#2 | Beg. Year<br>115#     9     . | End Year<br>116#     9     . | Agency Source<br>117#           .       | Freq.<br>118#     . |

MISCELLANEOUS REMARKS DATA

|       |     |       |   |   |
|-------|-----|-------|---|---|
| R=183 | T=A | 311#1 | Date of Remarks<br>184#     /     /                 . | Remarks<br>185#                             . |
|-------|-----|-------|---|---|

DISCHARGE DATA

|       |     |                    |                             |                  |                                  |  |
|-------|-----|--------------------|-----------------------------|------------------|----------------------------------|--|
| R=146 | T=A | Pump/Flow<br>147#1 | Date<br>148# 09 / 28 / 1992 | Type<br>703# (P) | Discharge<br>150#     30.0     . | Sp. Capacity<br>272#                 . |
|-------|-----|--------------------|-----------------------------|------------------|----------------------------------|--|

GEOHYDROLOGIC DATA

|      |     |       |                             |                               |                          |       |
|------|-----|-------|-----------------------------|-------------------------------|--------------------------|-------|
| R=90 | T=A | 721#1 | Depth Top<br>91# 6175     . | Depth Bot.<br>92# 17115     . | Unit Id<br>93# 124SPRATT | 304#P |
|------|-----|-------|-----------------------------|-------------------------------|--------------------------|-------|

HYDRAULIC DATA

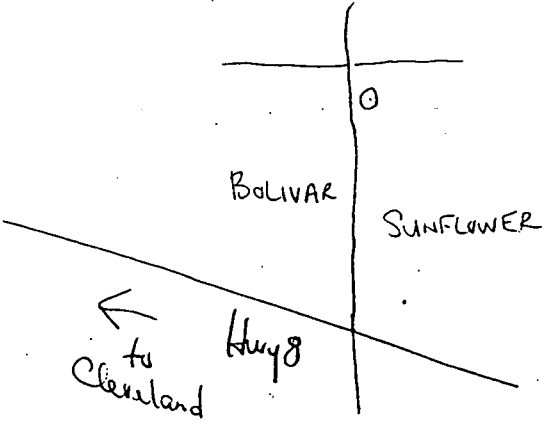
|      |     |       |   |            |
|------|-----|-------|---|------------|
| R=98 | T=A | 790#1 | Unit Tested<br>100#                     . | 103#     . |
|------|-----|-------|---|------------|

County Line Rd Site

Testwell 709  
6x4"

60'dd @ 300gpm (14 hrs)

| DESCRIPTION OF FORMATION (FOOTAGE) | FROM | TO  | DESCRIPTION OF FORMATION | FROM | TO  |
|------------------------------------|------|-----|--------------------------|------|-----|
| CLAY                               | 0    | 18  | CLAY                     | 450  | 460 |
| FINE GRAY SAND                     | 18   | 55  | SAND/CLAY STKS.          | 460  | 516 |
| COARSE SAND                        | 55   | 62  | CLAY                     | 516  | 669 |
| COARS SAND/PEA GRAVEL              | 62   | 119 | SAND                     | 669  | 709 |
| COARSE SAND/GRAVEL                 | 119  | 128 | CLAY                     | 709  | 731 |
| CLAY                               | 128  | 146 |                          |      |     |
| SAND/CLAY STKS.                    | 146  | 175 |                          |      |     |
| CLAY                               | 175  | 200 |                          |      |     |
| SAND                               | 200  | 241 |                          |      |     |
| SAND/STKS OF CLAY                  | 241  | 283 |                          |      |     |
| CLAY                               | 283  | 302 |                          |      |     |
| SANDY CLAY/SAND                    | 302  | 325 |                          |      |     |
| CLAY                               | 325  | 335 |                          |      |     |
| SAND                               | 335  | 362 |                          |      |     |
| SAND/CLAY STKS.                    | 362  | 450 |                          |      |     |



MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
Bureau of Land and Water Resources

32-6-51

|  |       |
|--|-------|
| COUNTY WELL LOCATED<br><b>BOLIVAR</b> <i>Sunflower</i> |       |
| WELL NUMBER<br><b>2</b>                                | CODED |
| PERMIT NUMBER<br><b>GW 14228</b>                       |       |
| NAME OF DRILLING FIRM<br><b>LAYNE-CENTRAL</b>          |       |
| DATE WELL COMPLETED<br><b>9-28-92</b>                  |       |

P.O. Box 10631  
Jackson, Mississippi 39209  
WATER WELL DRILLERS LOG

|  |           |                  |
|--|-----------|------------------|
| NAME & MAILING ADDRESS OF LANDOWNER<br><b>BOYLE-SKENE WATER ASSOC., INC.</b>                         |           |                  |
| P.O. BOX 475   |           |                  |
| BOYLE, MS 38730  |           |                  |
| WELL LOCATION:   | SEC       | TOWNSHIP RANGE   |
|  | <b>30</b> | <b>22 N 4 W</b>  |
| DISTANCE   | DIRECTION | NEAREST TOWN     |
| <b>2</b> Miles   | <b>NE</b> | <b>CLEVELAND</b> |
| OTHER LANDMARK<br><b>COUNTY LINE ROAD - EAST</b>   |           |                  |
| WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.<br><b>RURAL PUBLIC SUPPLY</b> |           |                  |

|   |               |                |
|---|---------------|----------------|
| PUMP DATA   |               |                |
| PUMP TYPE (Circle One):<br>Submersible, <b>Turbine</b> , Jet, Flowing Well,<br>Other (Describe)                 |               |                |
| POWER TYPE (Circle One):<br><b>Electric</b> , Tractor, Diesel, Gasoline, Butane,<br>Other (Describe) <b>H/P</b> |               |                |
| Pump Capacity (GPM)   | No. of Stages | Setting Depth  |
| <b>300</b>  | <b>6</b>      | <b>120</b> FT. |
| PUMP TEST   |               |                |
| Well yielded <b>300</b> GPM with<br>a drawdown of <b>60</b> ft.<br>after <b>14</b> hours of pumping             |               |                |

|   |                       |                             |
|---|-----------------------|-----------------------------|
| WELL DATA   |                       |                             |
| Well Depth  | Casing Diameter (In.) | Casing Length (Ft.)         |
| <b>713'</b>   | <b>10"</b>            | <b>667'</b>                 |
| Type of Casing  | Hole Depth            | Depth to Static Water Level |
| <b>ST. ST.</b>  | <b>713'</b>           | <b>50'</b>                  |
| TYPE OF COMPLETION: (Circle One or More):<br><b>Gravel Packed</b> , <b>Underreamed</b> , Telescoped,<br>Natural Development, Open Hole, Other<br>(Describe) |                       |                             |
| Top of Lap Pipe or Reduction in Casing  |                       |                             |
| FEET <input type="checkbox"/> IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE  |                       |                             |

|  |  |
|--|--|
| LOG DATA   |  |
| TYPE OF LOG RUN (Circle One):<br><b>Electric</b> , <b>Gamma Ray</b> , Density, Sonic, Neutron,<br>Other (Describe) |  |
| Name of Organization Running Log<br><b>LAYNE, INC.</b>   |  |

|                          |                        |                    |
|--------------------------|------------------------|--------------------|
| SCREEN DATA              |                        |                    |
| Diameter - Inches        | Length - Feet          | Slot Size - Inches |
| <b>6"</b>                | <b>40' 2"</b>          | <b>.020</b>        |
| Screen Type              | Depth to Bottom - Feet |                    |
| <b>FREE-FLOW ST. ST.</b> | <b>4'</b>              |                    |

|                                 |               |                |              |
|---------------------------------|---------------|----------------|--------------|
| GEOLOGIC DATA (Office Use Only) |               |                |              |
| Surface Elev.                   | Geologic Unit | Unit Thickness | Depth to Top |
| Subs. SWL                       | Date          | Analysis       | Aquifer Test |
| Driller's Remarks               |               |                |              |

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO  | FORMATIONS (Continued)            | FROM | TO  |
|---------------------------------------|------|-----|-----------------------------------|------|-----|
| CLAY                                  | 0    | 18  | CLAY                              | 450  | 460 |
| FINE GRAY SAND                        | 18   | 55  | SAND/CLAY STKS.                   | 460  | 516 |
| COARSE SAND                           | 55   | 62  | CLAY                              | 516  | 669 |
| COARS SAND/PEA GRAVEL                 | 62   | 119 | SAND                              | 669  | 709 |
| COARSE SAND/GRAVEL                    | 119  | 128 | CLAY                              | 709  | 731 |
| CLAY                                  | 128  | 146 |                                   |      |     |
| SAND/CLAY STKS.                       | 146  | 175 |                                   |      |     |
| CLAY                                  | 175  | 200 |                                   |      |     |
| SAND                                  | 200  | 241 |                                   |      |     |
| SAND/STKS. OF CLAY                    | 241  | 283 |                                   |      |     |
| CLAY                                  | 283  | 302 | IF MORE SPACE IS NEEDED, USE BACK |      |     |
| SANDY CLAY/SAND                       | 302  | 325 |                                   |      |     |
| CLAY                                  | 325  | 335 |                                   |      |     |
| SAND                                  | 335  | 362 |                                   |      |     |
| SAND/CLAY STKS.                       | 362  | 450 |                                   |      |     |

*mailed*  
*1/4/94*

22-6051

**Sunflower**

**MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES**

Bureau of Land and Water Resources

COUNTY WELL LOCATED  
*Antoine*

WELL NUMBER  
**2**

CODED

**E77**

DATE WELL COMPLETED  
*9-28-92*

PERMIT NUMBER  
**GW14228**

NAME OF DRILLING FIRM  
*Layne - Central*

P.O. Box 10831  
Jackson, Mississippi 39208  
**WATER WELL DRILLERS LOG**

NAME & MAILING ADDRESS OF LANDOWNER  
*Boyle - Allen, Wilton Oscar.*

WELL LOCATION SEC TOWNSHIP RANGE  
**30 22 N 4 W**

DISTANCE DIRECTION NEAREST TOWN  
*2 Miles N.E. of Clarks*

OTHER LANDMARK  
*County Line Road - East*

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.  
*Rural Public Supply*

**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) No. of Stages Setting Depth  
**300 6 120 FT.**

PUMP TEST  
Well yielded **300** GPM with  
a drawdown of **60** ft.  
after **14** hours of pumping

**WELL DATA**

|                             |                                     |   |
|-----------------------------|-------------------------------------|---|
| Well Depth<br><b>713'</b>   | Casing Diameter (In.)<br><b>10"</b> | Casing Length (Ft.)<br><b>467'</b>        |
| Type of Casing<br><b>AS</b> | Hole Depth<br><b>713'</b>           | Depth to Static Water Level<br><b>50'</b> |

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

Top of Lap Pipe or Reduction in Casing  
**FEET** IF TELESCOPED OR MORE THAN ONE SCREEN USE BACK PAGE

**LOG DATA**

TYPE OF LOG RUN (Circle One):  
Electric, Gamma Ray, Density, Sonic, Neutron,  
Other (Describe)

Name of Organization Running Log  
*Layne*

**SCREEN DATA**

|   |                                     |                                   |
|---|-------------------------------------|-----------------------------------|
| Diameter - Inches<br><b>6"</b>          | Length - Feet<br><b>40' 2"</b>      | Mesh Size - Inches<br><b>.020</b> |
| Screen Type<br><i>flex flow sl. sl.</i> | Depth to Bottom - Feet<br><b>41</b> |                                   |

**GEOLOGIC DATA (Office Use Only)**

|               |               |                |              |
|---------------|---------------|----------------|--------------|
| Surface Elev. | Geologic Unit | Unit Thickness | Depth to Top |
| Subs. SWL     | Date          | Analysis       | Aquifer Test |

Driller's Remarks

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO  | FORMATIONS (Continued)      | FROM | TO  |
|---------------------------------------|------|-----|-----------------------------|------|-----|
| <i>Clay</i>                           | 0    | 18  | <i>Sand</i>                 | 302  | 325 |
| <i>Fine Grained Sand</i>              | 18   | 55  | <i>Sand &amp; Clay shls</i> | 325  | 335 |
| <i>Coarse Sand</i>                    | 55   | 62  | <i>Clay</i>                 | 335  | 362 |
| <i>Coarse Sand &amp; Pica Sand</i>    | 62   | 119 | <i>Sand &amp; Clay shls</i> | 362  | 456 |
| <i>" " &amp; Shale</i>                | 119  | 128 | <i>Clay</i>                 | 456  | 460 |
| <i>Clay</i>                           | 128  | 146 | <i>Sand</i>                 | 460  | 516 |
| <i>Sand</i>                           | 146  | 175 | <i>Clay</i>                 | 516  | 669 |
| <i>Sand &amp; shls of Clay</i>        | 175  | 200 |                             | 669  | 709 |
| <i>Clay</i>                           | 200  | 241 |                             | 709  | 721 |
| <i>Sandy Clay &amp; Sand</i>          | 241  | 283 |                             |      |     |
| <i>Clay</i>                           | 283  | 302 |                             |      |     |

IF MORE SPACE IS NEEDED, USE BACK

Department of Environmental Quality  
Office of Land and Water Resources

Ground Water Permit  
General Report

Permit Number: MS-GW-14228

County: SUNFLOWER

Owner: BOYLE-SKENE WATER CORPORATION, INC.

Aquifer: SPRT

USGS No: E0077

BOH No: 0060051-01

Location: NW 1/4 of the SW 1/4 of SEC 30 TWN 22N RNG 04W Lat: 334444 Long: 903931

Quad: CLEVELAND

District: N/A

Date Issued: 09-JUN-92

Date Renewed: 16-DEC-02

Date Expired: 16-DEC-12

Applicant: BOYLE-SKENE WATER CORPORATION,  
INC.

Owner: BOYLE-SKENE WATER CORPORATION,  
INC.

Address 1: P. O. BOX 475

Address 1: P. O. BOX 475

Address 2: N/A

Address 2: N/A

Address 3: N/A

Address 3: N/A

City: BOYLE

City: BOYLE

State: MS Zip: 38730

State: MS Zip: 38730

Driller: LAYNE-CENTRAL

Maximum Rate: 350

Amount Withdrawn Acre feet: 112.0319

Amount Withdrawn Mgd: .1

Casing

Type: STEEL

Diameter: 10

Length: 669

Screen

Type: STAINLESS STEEL

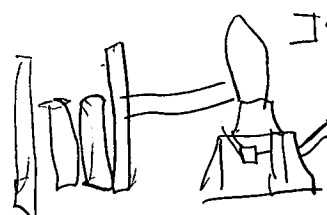
Diameter: 6

Length: 40

Oldest well 50 yds south  
of the newest well. Has  
a horizontal ground tank  
next to Use it

RURAL WATER  
ASSOCIATION

Bobby Stanford  
Stanford 843-5847  
843-5848  
843-5847  
Mobil 721-7177



Intersection of Hwy  
8 + County Line Road  
go north .4 mile well  
on east side of Road  
@ elevated Tank.

33.74554  
90.65860

33.74552

90.658451

33.74557

90.65863

**DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-**

**PUBLIC SUPPLY WELLS PROJECT**

**GPS LOG**

USER NAME (S): RLB

DATE

UNIT DEQ #: \_\_\_\_\_

FILE #: \_\_\_\_\_

HEALTH DEPT. 60051-01 NEW WELL \_\_\_\_\_ ELEVATION

USGS #: E77

OLWR #: GW-14228

OWNER: BOYLES SKENE WATER CORP.

QUAD.

CLEVELAND

LOCATION: S 30 T 22N R 4W COUNTY SUNFLOWER

LOCATION DESCRIP: INTERSECTION OF HY 8 AND COUTY LINE ROAD  
(SUNFLOWER AND BOLIVAR CO. . GO NORHT .4 MILES . FIRST WELL ON  
EAST SIDE OF ROAD.

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CASING DIA : 10 PUMP TB

GPS FIELD LOCATION : LAT 33.74554

LONG -90.65860

GPS CORRECTED LOCATION : LAT

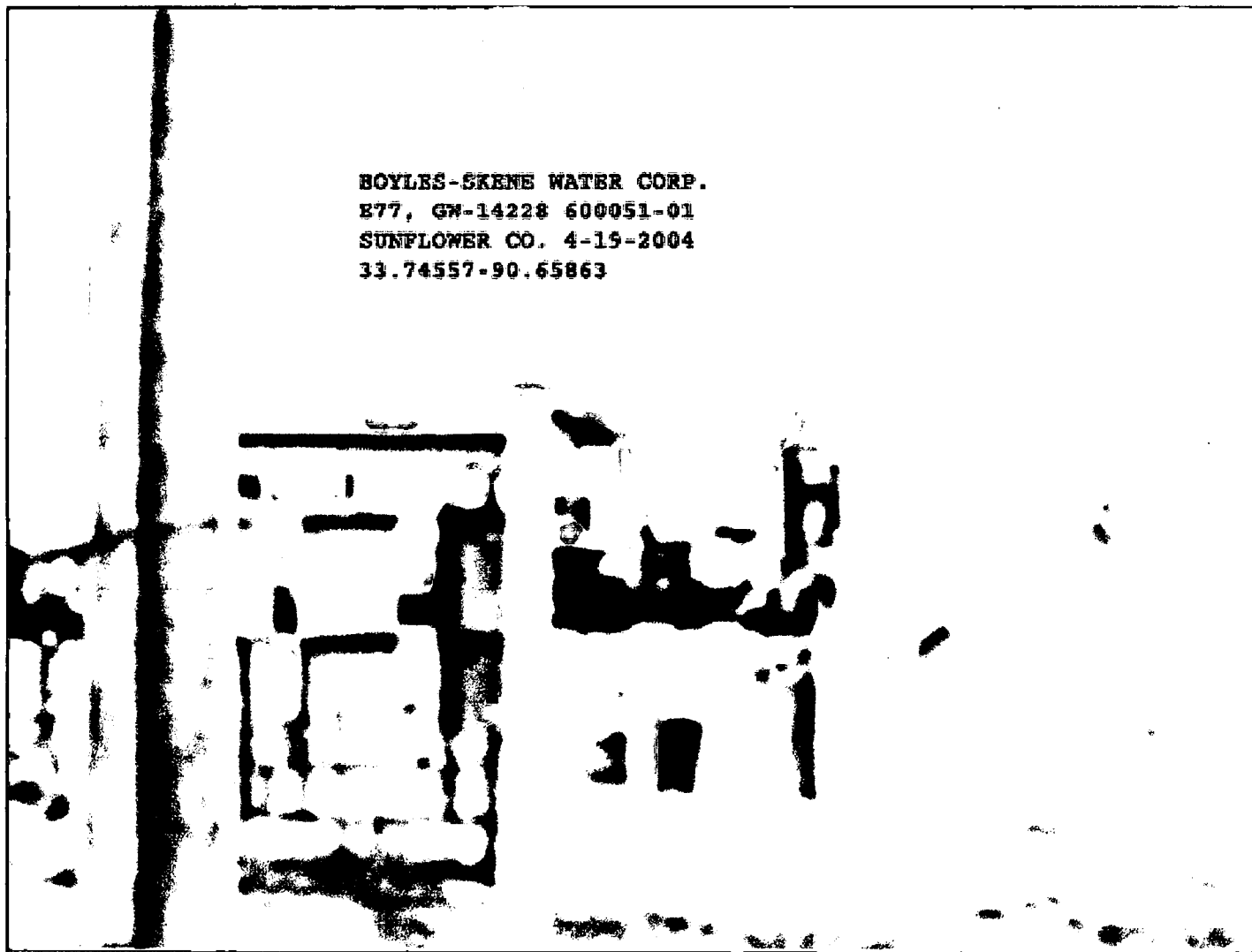
. LONG.

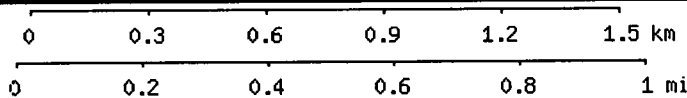
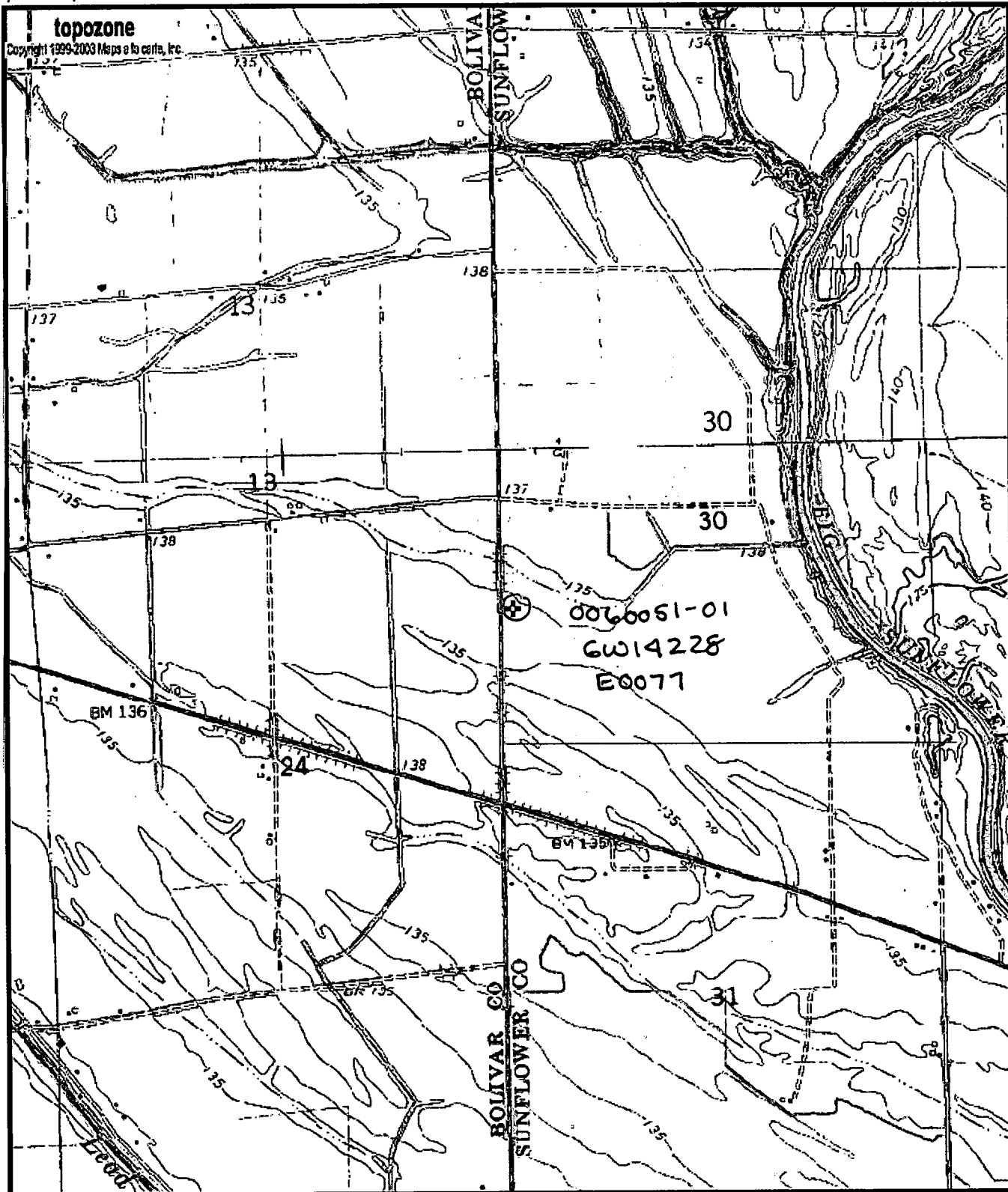
REMARKS :

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BOYLES-SKENE WATER CORP.  
E77, GW-14228 600051-01  
SUNFLOWER CO. 4-15-2004  
33.74557-90.65863





Map center is 33° 44' 44"N, 90° 39' 31"W (WGS84/NAD83)

**Cleveland** quadrangle

Projection is UTM Zone 15 NAD83 Datum

M=0.69  
G=1.301