

Wat Right No. 1668-2

To be Considered Sept. 27, 1979

County Gregory about 3E, 2

Miles South of GREGORY

APPLICATION

Name City of Gregory Address \_\_\_\_\_  
Date \_\_\_\_\_ Application \_\_\_\_\_  
Received Apr. 18, 1979 Complete - Yes \_\_\_\_\_ No ✓  
Date Apr 20 4  
Returned May 14, 1979 Reason Map not correct

Date Received

Corrected Appl. May 27, 1979 SOURCE GN - 2 weeks

USE Municipal ACRES \_\_\_\_\_ C.F.S. 3.0

ACRE-FOOT \_\_\_\_\_ Diversion Location \_\_\_\_\_

SW<sup>4</sup> SE<sup>4</sup> Sec 21-97-72

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
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|  |  |  |  |  |  |  |  |

SW<sup>4</sup> SE<sup>4</sup>  
Sec. 21

Land to be irrigated- \_\_\_\_\_

Period of annual use Continuous

MAP

Type of Map Engr. Prepared by E. Lyle & Assoc. <sup>Report</sup>

Map No. 1431-2 Map located in W/R X Map File \_\_\_\_\_

IF

Received - Yes \_\_\_\_\_ Amount \_\_\_\_\_ No. \_\_\_\_\_ Date of letter \_\_\_\_\_

N/A

REASON \_\_\_\_\_

Date Returned Corrected \_\_\_\_\_

LOG

Received w/Apl. - Yes ✓ No \_\_\_\_\_ Date of Request \_\_\_\_\_

REASON \_\_\_\_\_

Date Received \_\_\_\_\_

DRILLER Huron Mch. Co. Licensed in SD Yes X No. \_\_\_\_\_

DEPTH AND FORMATION \_\_\_\_\_

OTHER INFORMATION  
FILED WITH  
WATER RIGHT

WATER  
QUALITY

Date Received \_\_\_\_\_ Date Approved \_\_\_\_\_  
and/or Conditional by S.C.C. \_\_\_\_\_  
(Circle one)

N/A

Date Disapproved by S.C.C. \_\_\_\_\_ Reason \_\_\_\_\_  
Date Disapproved \_\_\_\_\_  
Application Returned \_\_\_\_\_

WI-1 Land Description- same as Application- yes \_\_\_\_\_ no \_\_\_\_\_ Remarks \_\_\_\_\_

REVIEWED

This application was reviewed within 30 days of receipt, accepted as complete, Number assigned and written up for advertisement before the Board on

Sept. 27, 1979

Billy Westwood  
(Signed)

This Application was unable to be completed - Reason \_\_\_\_\_

PUBLICATION

Dates Published - 1st August 22, 1979 2nd August 29, 1979  
Date \_\_\_\_\_  
Affidavit Received August 24, 1979 Remarks \_\_\_\_\_

Gregory Turner Adams

PROTESTS

Letters/Petitions in File Yes \_\_\_\_\_ No \_\_\_\_\_ Remarks \_\_\_\_\_

STAFF REC-  
OMMENDATIONS

BOARD  
ACTION

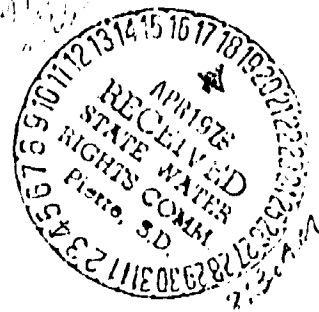
Date Approved 9-27-79 Qualifications well informed

Deferred - Date \_\_\_\_\_ Reason \_\_\_\_\_

Denied - Date \_\_\_\_\_ Reason \_\_\_\_\_

REMARKS  
F.F & C. OF  
LAW, FINAL  
DECISIONS,  
ETC.

No. 1431-2 1668-2  
 Map No. 1431-2 Water Division No. 2 PONCA CREEK District  
 (Blanks to be filled by the Engineer for the W. H. C.)



## APPLICATION FOR PERMIT

## To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant City of Gregory  
 Postoffice address City Hall, Gregory, State South Dakota  
 If a corporation show date and place of incorporation \_\_\_\_\_
2. Method of accomplishing work (contract, employment of others, or by direct labor) contract
3. Name of diversion work City of Gregory Water Works
4. Amount of water claimed (cubic feet per second) 3.0 cubic feet per second
5. Source of water supply ground water wells (2 WELLS)
6. Location of point of diversion SW 1/4, SE 1/4, SW 1/4, SE 1/4 of Section 21, R97, Township 72  
West 5th P.M.

County Gregory

7. Annual period or periods during which water is to be used 12 months
8. Use to be made of water (irrigation, industrial, municipal, commercial, recreation, etc.) municipal
9. For irrigation use, \_\_\_\_\_ Total number of acres to be irrigated \_\_\_\_\_

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

| Land Description | No. Acres Irr. | Land Description | No. Acres Irr. |
|------------------|----------------|------------------|----------------|
|                  |                |                  |                |
|                  |                |                  |                |
|                  |                |                  |                |
|                  |                |                  |                |

Attach sheet if more space is needed

10. Time required to complete construction of water supply system done years. Additional time required to complete application of water to the proposed beneficial use none years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Gregory Times Advocate
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

wells

B. Works proposed to transport water to place of use.

subsurface water mains

C. Works proposed to apply water to beneficial use.

existing city distribution systemEstimated Total Cost \$182,000.00

Attachments. Attach form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.

(See instructions concerning preparation.) MAP ATTACHED PREPARED BY GEOLOGICAL SURVEY

STATE OF SOUTH DAKOTA )

County of Gregory ) ss.I, GARY E. DAVIS, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed

Subscribed and sworn to before me this

25

day of

March1979

Notary Public (or other qualified officer)

# WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 1668-2

CITY OF GREGORY

(Applicant)

(Post Office Address)

SOUTH DAKOTA  
(State) 57533

With the following modifications:

The ~~existing~~ wells approved under this Permit will be located near domestic wells and other ~~existing~~ wells which may obtain water from the same aquifer. The ~~existing~~ well owner, under this Permit, shall control his ~~existing~~ withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application APRIL 18 19 79  
Date of return to applicant for correction, amendments or changes required APRIL 20 19 79  
Date of receipt of corrected application MAY 24 19 79  
Approved SEPTEMBER 27 19 79, Recorded in Book 21 Page 36

WATER RIGHT PERMIT NO. 1668-2

The Water Rights Commission hereby grants and issues this Water Right Permit No. 1668-2 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is APRIL 18 19 79
2. The equivalent of at least one-fifth of the work above specified is ~~to be~~ completed on or before 4-2
3. The whole of said work is ~~to be~~ completed on or before 4-2
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is COMPLETED
5. The water appropriated shall be used for the purpose of MUNICIPAL USE
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 3.0 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed ~~for beneficial use~~ and it for the irrigation purposes said appropriation must be limited to not more than 13 acre-feet per acre per year and be limited to not more than one-tenth (1/10) of one cubic foot of water per acre of time for each acre of land to which water is  
USED FOR MUNICIPAL PURPOSES  
actually and beneficially ~~applied for irrigation~~ on or before THIS DATE 19 79; said water to be used during the following described annual period: (CONTINUOUSLY)

Witness my hand this 1<sup>ST</sup> day of OCTOBER 19 79

WATER RIGHTS COMMISSION

By: John Hatch  
Chief Engineer, Executive Officer

Certificate of Construction Issued \_\_\_\_\_, 19 \_\_\_\_

Water License Issued \_\_\_\_\_, 19 \_\_\_\_

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates Well #1

(1) Drill Hole, Diameter 18", Depth 67'

(2) Casing, Type steel, Diameter 8", Thickness 12 ga. class 200 pipe  
(wood, concrete, steel, etc)

(3) Perforated Screen

Type stainless steel slotted, Diameter 8", Length 20'

(4) Gravel Pack, Thickness 5", Length of gravel pack 20'

E. Dugout Information or Estimates.

(1) Surface dimensions \_\_\_\_\_, Depth \_\_\_\_\_

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials log attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Depth to top of water bearing material \_\_\_\_\_

Depth to bottom of water bearing material \_\_\_\_\_

Thickness of water bearing material \_\_\_\_\_

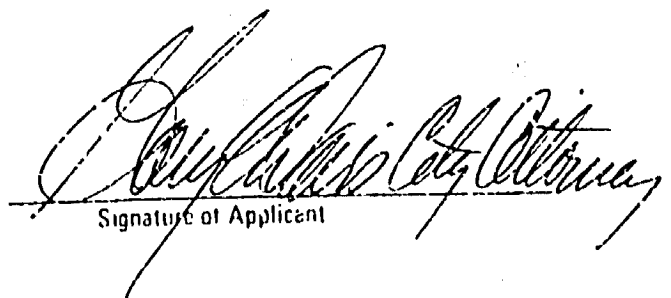
Depth to water (ground surface to water level) \_\_\_\_\_

(2) Distance to nearest existing household or livestock watering wells.

On same owner's property 32 fts. On property owned by others 1/2 mile

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

  
Signature of Applicant

**FIELD PUMPING TEST**  
Water Level Measurements

Well No. 1

Location: 2600' SE of Gregory well field  
Date: July 6, 1978

3 1/2" on a 2" Orifice with 3" Pipe

8.5 seconds per 5 gallons

Page 1

| Time of Measurement | Elapsed Time - Minutes | Tape Measurement |                     | Elec. Llev. of Marker Inches | Depth of Water Feet from ground level | Draw-down Feet from static | Pumping Rate GPM | REMARKS      |
|---------------------|------------------------|------------------|---------------------|------------------------------|---------------------------------------|----------------------------|------------------|--------------|
|                     |                        | Mark Held Ft     | Wetted Port. Inches |                              |                                       |                            |                  |              |
|                     |                        |                  |                     |                              |                                       |                            |                  | Static 18.5" |
| 7:00                | 10                     |                  |                     | 25' 3 1/2"                   | 43' 8 1/2"                            | 25' 3 1/2"                 | 35               | Clear        |
| 7:15                | 15                     |                  |                     | 2' 9 1/2"                    | 46' 6"                                | 28' 1"                     | 35               |              |
| 7:30                | 15                     |                  |                     | 1"                           | 47' 7"                                | 29' 2"                     | 35               |              |
| 7:45                | 15                     |                  |                     | 1"                           | 47' 8"                                | 29' 3"                     | 35               |              |
| 8:00                | 15                     |                  |                     | 3"                           | 47' 11"                               | 29' 6"                     | 35               |              |
| 8:15                | 15                     |                  |                     | -9"                          | 47' 2"                                | 28' 9"                     | 35               |              |
| 8:30                | 15                     |                  |                     | 9"                           | 47' 11"                               | 29' 6"                     | 35               |              |
| 8:45                | 15                     |                  |                     | -2' 10"                      | 50' 9"                                | 32' 4"                     | 37.5             |              |
| 9:00                | 15                     |                  |                     | -2' 3"                       | 48' 6"                                | 30' 1"                     | 35               |              |
| 9:15                | 15                     |                  |                     | -7"                          | 47' 11"                               | 29' 6"                     | 35               |              |
| 9:30                | 15                     |                  |                     | 1"                           | 48'                                   | 29' 7"                     | 35               |              |
| 9:45                | 15                     |                  |                     | 2"                           | 48' 2"                                | 29' 9"                     | 35               |              |
| 10:00               | 15                     |                  |                     | 6"                           | 48' 8"                                | 30' 3"                     | 35               |              |
| 10:15               | 15                     |                  |                     | -9"                          | 47' 11"                               | 29' 6"                     | 35               |              |
| 10:30               | 15                     |                  |                     | 1"                           | 48'                                   | 29' 7"                     | 35               |              |
| 10:45               | 15                     |                  |                     | 1"                           | 48' 1"                                | 29' 8"                     | 35               |              |
| 11:00               | 15                     |                  |                     | 2"                           | 48' 3"                                | 29' 10"                    | 35               |              |
| 11:15               | 15                     |                  |                     | -                            | 48' 3"                                | 29' 10"                    | 35               |              |
| 11:30               | 15                     |                  |                     | 9"                           | 48' 11"                               | 30' 6"                     | 35               |              |
| 11:45               | 15                     |                  |                     | -3"                          | 48' 8"                                | 30' 3"                     | 35               |              |
| 12:00               | 15                     |                  |                     | 3"                           | 48' 11"                               | 30' 6"                     | 35               |              |
| 12:15               | 15                     |                  |                     | 11"                          | 49' 10"                               | 31' 5"                     | 35               |              |
| 12:30               | 15                     |                  |                     |                              | 50'                                   | 31' 7"                     | 35               |              |

# FIELD PUMPING TEST Water Level Measurements

Well No. 41

Location: 7600' SE of Gregory well field

Date: July 6, 1978

3/4" on a 2" Orifice with 3" Pipe

8.5 seconds per 5 gallons

Page 2

| Time of Measurement | Elapsed Time - Minutes | Tape Measurement |                     | Elec. Elev. of Marker Inches | Depth of Water Feet from ground level | Total Draw-down Feet from static | Pumping Rate GPM | REMARKS      |
|---------------------|------------------------|------------------|---------------------|------------------------------|---------------------------------------|----------------------------------|------------------|--------------|
|                     |                        | Mark Held Ft     | Wetted Port. Inches |                              |                                       |                                  |                  |              |
| 2:45                | 15                     |                  |                     | 3"                           | 50'3"                                 | 31'10"                           | 35               | Static 18'5" |
| 3:00                | 15                     |                  |                     | 5"                           | 50'6"                                 | 32'1"                            | 35               |              |
| 3:15                | 15                     |                  |                     | -1"                          | 50'5"                                 | 32'                              | 35               |              |
| 3:30                | 15                     |                  |                     | -4 1/2"                      | 50' 1/4"                              | 31'7 1/2"                        | 35               |              |
| 3:45                | 15                     |                  |                     | -12 1/2"                     | 49'                                   | 30'7"                            | 35               |              |
| 4:00                | 15                     |                  |                     | -2"                          | 48'10"                                | 30'5"                            | 35               |              |
| 4:15                | 15                     |                  |                     | -7"                          | 48'3"                                 | 29'10"                           | 35               |              |
| 4:30                | 15                     |                  |                     | 5"                           | 48'8"                                 | 30'3"                            | 35               |              |
| 4:45                | 15                     |                  |                     | -7"                          | 46'1"                                 | 29'8"                            | 35               |              |
| 5:00                | 15                     |                  |                     | 2"                           | 48'3"                                 | 29'10"                           | 33               |              |
| 5:15                | 15                     |                  |                     | 13"                          | 42'4"                                 | 30'11"                           | 35               |              |
| 5:30                | 15                     |                  |                     | -9"                          | 48'7"                                 | 30'2"                            | 35               |              |
| 5:45                | 15                     |                  |                     | 7"                           | 49'2"                                 | 30'9"                            | 35               |              |
| 6:00                | 15                     |                  |                     | -2"                          | 49'                                   | 30'7"                            | 35               |              |
| 6:15                | 15                     |                  |                     | -1"                          | 48'11"                                | 30'6"                            | 35               |              |
| 6:30                | 15                     |                  |                     | -5"                          | 48'7"                                 | 30'2"                            | 35               |              |
| 6:45                | 15                     |                  |                     | -4"                          | 48'3"                                 | 29'10"                           | 35               |              |
| 7:00                | 15                     |                  |                     | -3"                          | 48'                                   | 29'7"                            | 35               |              |
| 7:15                | 15                     |                  |                     | -2"                          | 47'10"                                | 29'5"                            | 35               |              |
| 7:30                | 15                     |                  |                     | -3"                          | 47'7"                                 | 29'2"                            | 35               |              |
| 7:45                | 15                     |                  |                     | 9"                           | 48'4"                                 | 29'11"                           | 35               |              |
| 8:00                | 15                     |                  |                     | 4"                           | 48'8"                                 | 30'3"                            | 35               |              |
| 8:15                | 15                     |                  |                     | 3"                           | 48'11"                                | 30'6"                            | 35               |              |

GREGORY, SD

# FIELD PUMPING TEST Water Level Measurements

Well No.        #1

Location 7600' SE of Gregory well field  
Date July 6, 1978

3 1/2" on a 2" Orifice with 3" Pipe

8.5 seconds per 5 gallons

Page 3

[illegible]

Well "2" - 5-11-10 - PAGE NO.

**PAGE NO.**

Bernard  
FOREMAN

| Jt No. | DEPTH | TIME  | REMARKS                      |
|--------|-------|-------|------------------------------|
|        | 0-10  | 0-2   | Topsoil                      |
|        | 10-20 | 2-10  | Clay and sand                |
|        |       | 10-20 | Clay and sand streaks        |
|        | 20-30 | 20-29 | Clay and sand streaks        |
|        |       | 29-30 | Clay                         |
|        | 30-40 | 30-35 | Clay                         |
|        |       | 35-40 | Clay and sand                |
|        | 40-50 | 40-48 | Clay with small sand streaks |
|        |       | 48-60 | Fine sand                    |
|        | 50-60 | 50-60 | Fine sand                    |
|        | 60-68 | 60-68 | Fine sand                    |
|        |       | 68-69 | Clay                         |
|        |       |       | Cased to 68 Feet             |

500  
28  
2.8

Pit loss

# IRON DRILLING INC. DRILLERS LOG

Well # 1 - 30th St

PAGE NO.

City of Gregory

Gregory, So. Dak.

6/24/58

27

Bernard, Chas

JOB NAME

LOCATION

DATE

RIG NO

FOREMAN

DI  
No

DEPTH

TIME

REMARKS

1-10

Brown fine sand

10-20

Brown fine sand

20-30

Brown fine sand with lighter streaks

30-40

Clay, sand trace

40-50

40-47 Clay sand trace

47-50 Coarse sand

50-60

Coarse sand and fine sand

60-70

60-67 Sand

TD 67

67-70 Clay

Pump setting 63 feet

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates Well #2

- (1) Drill Hole, Diameter 18", Depth 68"
- (2) Casing, Type steel (wood, concrete, steel, etc), Diameter 8", Thickness 27'
- (3) Perforated Screen.
- Type stainless steel slot, Diameter 8", Length 20'
- (4) Gravel Pack, Thickness 5", Length of gravel pack 70'

E. Dugout Information or Estimates.

- (1) Surface dimensions \_\_\_\_\_, Depth \_\_\_\_\_

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials log attached

Depth to top of water bearing material \_\_\_\_\_

Depth to bottom of water bearing material \_\_\_\_\_

Thickness of water bearing material \_\_\_\_\_

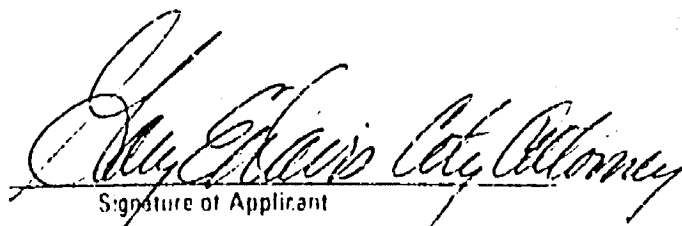
Depth to water (ground surface to water level) \_\_\_\_\_

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property 32 rds. On property owned by others 1 1/2 mile rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

  
Signature of Applicant

# DRILLING INC. DRILLERS LOG

Well #2 Settler

PAGE NO.

City of Gregory  
JOB NAME

Gregory, So. Dak.  
LOCATION

8/30/78  
DATE

22  
PIG NO.

Bernard  
FOREMAN

| DEPTH            | TIME  | REMARKS                      |
|------------------|-------|------------------------------|
| 0-10             | 0-2   | Topsoil                      |
| 10-20            | 2-10  | Clay and sand                |
|                  | 10-20 | Clay and sand streaks        |
| 20-30            | 20-29 | Clay and sand streaks        |
|                  | 29-30 | Clay                         |
| 30-40            | 30-35 | Clay                         |
|                  | 35-40 | Clay and sand                |
| 40-50            | 40-48 | Clay with small sand streaks |
|                  | 48-60 | Fine sand                    |
| 50-60            | 50-60 | Fine sand                    |
| 60-68            | 60-66 | Fine sand                    |
|                  | 68-69 | Clay                         |
| Cased to 68 Feet |       |                              |
| Pump Set 12-55'  |       |                              |

*[Handwritten signature]*

Form 8 - Proof of Publication - Notice of  
Intent to Appropriate Water

No. 1668-2

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )  
County Gregory ) ss.

I, Nelson L. Miller hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Gregory Times-Advocate

A newspaper which during the whole time of publication of said notice  
herein after stated, has been and is printed and published in the

city of Gregory

County of Gregory and State of South Dakota;  
that the said notice was published in said newspaper on the following  
two dates:

August 22, 1979

August 29, 1979

Nelly A. Miller  
(Signature)

Office manager  
(Title)

August 29, 1979  
(Date Signed)

NOTICE OF HEARING  
ON APPLICATION TO  
APPROPRIATE WATER

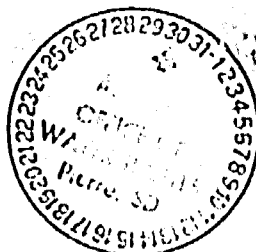
Pierre, South Dakota 57501

August 19, 1979  
Notice is hereby given that  
the City of Gregory, South  
Dakota, has made an applica-  
tion in accordance with the  
provisions of SDCL 46-1-1  
thru 46-1-9, 46-1-14, 46-2-9  
thru 46-2-11, 46-2-13, 46-5-1  
thru 46-5-8, 46-5-10 thru 46-5-  
22, 46-5-41, 46-6-3, 46-6-3.1,  
46-6-5, 46-6-6.1, 46-6-10, 46-  
6-14 and Board Rules ARSD  
52:01:01:01 thru 52:01:01:19,  
for a permit to appropriate for  
beneficial use 3.0 cubic feet of  
water per second of time from  
ground water (two wells)  
through the City of Gregory  
Water Works, the point(s) of  
diversion of which are to be  
located in the SW 1/4 SE 1/4 of  
Section 21, Twp. 97N, Range  
72W. Said water to be used  
for the purpose of providing  
water supplies for the City of  
Gregory.

This Application No. 1668-2  
will be considered by the  
Water Management Board at  
the Community Room, City  
Hall, 222 E. Dakota, Pierre,  
SD, upon the 27th day of  
September, 1979 at 10 a.m.  
The Board is authorized to  
make a determination on this  
application at the hearing. All  
interested persons may ap-  
pear and be heard. Any  
person who may be affected  
by a Board decision who  
desires to present evidence or  
cross-examine witnesses ac-  
cording to SDCL 1-20 may  
notify the Board in writing  
prior to the hearing or orally  
at the hearing.

This hearing is an adver-  
sary proceeding. Any person  
has the right to be present or  
to be represented by a  
lawyer. These and other due  
process rights will be forfeit-  
ed if they are not exercised at  
the hearing. Decisions of the  
Board may be appealed to the  
Courts as provided by law.

Water Management Board  
Betty Westlund  
Water Rights Specialist  
(34-35) (63)



Form 10.

No. 1668-2



NOTICE OF COMPLETION OF WORKS AND/OR  
APPLICATION OF WATER TO BENEFICIAL USE.

Post Office City Hall, Gregory, S.D.

Date \_\_\_\_\_

TO: Water Rights [REDACTED]  
Joe Foss Building  
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 1668-2.

Water Right Permit No. 1668-2 states that the diversion system is to be constructed by April 18, 19 77 and that the water is to be put to beneficial use by Nov 3, 19 77.

The diversion system was completed on April 18, 19 77.  
Applying the water to beneficial use was completed on Nov. 3, 1977.  
19 \_\_\_\_.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

[Signature]  
(Signature)

11668-2

MEMORANDUM



TO: Merlin Tipton, State Geologist  
Mark Stelchen, Administrator, Office of Drinking Water  
John Hatch, Director, Division of Water Rights  
Bill Markley, Section Chief, 208

FROM: Keith DeJong, Natural Resource Engineer II  
Office of Water Quality

*Keith DeJong*

DATE: August 1, 1983

RE: CDBG-SD83-16 Gregory  
Well Development Project

This Office is requesting your comments on a proposed well project in Gregory, South Dakota. The following information is available about the two proposed wells:

1. Water use - drinking;
2. Capacity of each well - 36,000 gpd; *(36,000)*
3. Attachment describing the location of the wells; and
4. Depth - 85 feet.

Your prompt attention would be appreciated.

B72801KD.wq

Patheologic

1468.2

ENVIRONMENTAL ASSESSMENT

A. APPLICANT: City of Gregory  
120 West 6th Street, Gregory, SD 57533  
CHIEF EXECUTIVE OFFICER:  
Robert Slade, Mayor 605-835-8270

- B. PROJECT DATA: The project involves three major activities:
- 1) installation of two new wells in the city's "Malchow" well field - N $\frac{1}{2}$ , SE $\frac{1}{4}$ , Sec. 16, T97N, R72W.
  - 2) construction of a new 500,000 gallon water storage tank - NE $\frac{1}{4}$ , Section 18, T97N, R72W.
  - 3) replacement of 12 blocks of deteriorated water mains - the southern portions of Main, Rosebud, and Felton Avenues, plus 12th Street.

Total project cost - \$291,000

All activities will be completed at the same time. The project should be completed in 1983

C. EXISTING ENVIRONMENTAL CONDITIONS AND TRENDS:

The well field consists of moderately rolling agricultural land. No significant environmental features or trends exist near the site. Local soils are generally sandy in nature. The Holt-Anselma Association is a predominate soil type in the well field area.

The storage tank site is located on high ground near the Gregory Airport. The 10 acre area does not contain any other facilities. It does not have any significant natural features.

The water lines will be placed in residential and commercial areas. The line will replace existing pipes.

D. RELEVANT A-95 MATTERS:

N/A

## M E M O

TO: Keith DeJong, Natural Resources Engineer II  
Office of Water Quality

FROM: Kevin C Larson, Water Resources Engineer III  
Division of Water Rights

SUBJECT: Gregory Well Development Project  
CDBG-SD83-16

DATE: August 17, 1983

City of Gregory presently holds a future use Permit No. 1622-2 for 1.5 cfs from groundwater sources. A water permit is necessary before construction can begin. As part of the permit application we will require specifications on proposed well construction. We will inform the City of the need for a water permit.

KCL:ks

Division of Water Rights  
605 773-3352

August 18, 1983

City of Gregory  
ATTN: Robert Slade  
Box 436  
Gregory SD 57533

Mr. Slade:

We have been informed by the Office of Water Quality that the City is planning to drill two new wells. A water permit application must be submitted and approved before construction begins. As part of that application we will require specifications on proposed well construction. If you have any questions concerning this, please contact this office. New applications must be received in this office by October 14, to be considered at the November 30-December 1 Water Management Board meeting.

Thank you,

KEVIN C LARSON  
Water Resources Engineer

KCL:ks

**Permit No. 1668-2**  
**Ponca Creek - Water District**

**Report Of Examination Of Works And/Or Application of Water To Beneficial Use**

TO: Chief Engineer, Division of Water Rights, DENR, Joe Fross Bldg., Pierre, SD 57501

On this day, August 16, 1994, I made a thorough examination of the water use system constructed by the city of Gregory of Gregory, SD 57533 holder of Permit No. 1668-2, bearing the priority of April 16, 1979 authorizing diversion of 3.00 cu. ft. of water per second from groundwater for Municipal purposes, in Gregory County.

I have to report on the conditions of the same as:

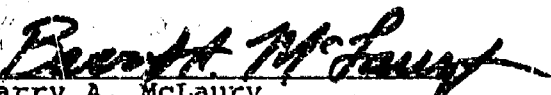
- A. Works used to divert the water:  
2 submersible pumps with a combined pumping of 65 GPM.
- B. Works used to transport water to place of use:  
8" stainless steel casing in both wells.
- C. Works used to apply water to beneficial use:  
Distribution lines throughout the city of Gregory.

The system is in the following condition: good. The points of diversion are located Well #1: 1190 feet N and 1900 feet W; Well #2: 1155 feet N and 1450 feet W; both in the SW1/4 SE1/4 of Section 21; T97N R72W of Gregory County. The works are capable of diverting and conveying to the place of use 0.14 cu. ft. of water per second which is to be used for Municipal purposes. The license should be issued for 0.14 CFS.

**\*\*NOTE:** All information on the wells was gotten from Tom Haluzak, Water Supt. for the city of Gregory.

Permit qualifications have been complied with: Yes X No

Exceptions to compliance are: None Date: August 16, 1994

  
Barry A. McLaury  
Environmental Scientist  
DENR, Water Rights Division

**REPORT ON INSPECTION OF PERMIT NO. 1668-2**

**DATE OF INSPECTION:** August 16, 1994

Other permit(s) associated with the project: None

Name of inspection contact: Tom Haluzak

Contact relationship to permit holder: Water Supt. for the city of Gregory.

Name/address of permit holder: City of Gregory, City Hall, Gregory, SD 57533

**DIVERSION POINT LEGAL LOCATIONS:** Well #1: 1190 feet N and 1900 feet W; Well #2: 1155 feet N and 1450 feet W; both in the SW1/4 SE1/4 of Section 21; T97N R72W of Gregory County.

**WELL INFORMATION:** 2 Wells

WELL #1

- |                                              |                                   |
|----------------------------------------------|-----------------------------------|
| 1) Well Drilling Firm: <u>Huron Drilling</u> | 3) Depth(s) <u>70</u> feet        |
| 2) No. of Wells <u>1</u>                     | 4) Well log is available <u>Y</u> |

**Casing:**

- 1) Diameter 8 inches
- 2) Length 69 feet
- 3) Type Stainless Steel

**Screen:**

- 1) Type Stainless Steel
- 2) Length ?? feet
- 3) Static water level ?? feet

**Pump:**

- 1) Make Jacuzzi
- 2) Model Submersible No.
- 3) Capacity 30 GPM

**Motor:**

- 1) Make Franklin Electric
- 2) Model No. ??
- 3) Horsepower rating 3/4 HP

WELL #2

- |                                              |                                   |
|----------------------------------------------|-----------------------------------|
| 1) Well Drilling Firm: <u>Huron Drilling</u> | 3) Depth(s) <u>69</u> feet        |
| 2) No. of Wells <u>1</u>                     | 4) Well log is available <u>Y</u> |

**Casing:**

- 1) Diameter 8 inches
- 2) Length 68 feet
- 3) Type Stainless Steel

**Screen:**

- 1) Type Stainless Steel
- 2) Length ?? feet
- 3) Static water level ?? feet

**Pump:**

- 1) Make Jacuzzi?
- 2) Model No. Submersible
- 3) Capacity 35 GPM

**Motor:**

- 1) Make Franklin?
- 2) Model No. submersible
- 3) Horsepower rating 1 HP

**PERMIT QUALIFICATIONS AND REGULATIONS:**

- 1) Special qualifications to permit being abided by Y
- 2) All structures, wells and lands on map Y
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A

**\*\*NOTE:** All information on the wells was gotten from Tom Haluzak, Gregory Water Supt.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181

February 14, 1995

1668-2

Gary E. Davis  
City Attorney  
City of Gregory  
P.O. Box 435  
Gregory, SD 57533-0436

Dear Mr. Davis:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 1668-2, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

Please remit fee to:  
Department of Environment & Natural Resources  
Water Rights Division  
523 E. Capitol  
Pierre, SD 57501-3181

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Cheryl F. Frost  
Secretary  
Water Rights Division  
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

# RECEIPT

414419

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, \_\_\_\_\_

February 23, 1995

RECEIVED OF City of Gregory, PO Box 436, Gregory, SD 57533

the following amount in fees for services rendered as provided for by law:

|                                                                                                                      |       |       |
|----------------------------------------------------------------------------------------------------------------------|-------|-------|
| Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____ |       |       |
| Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____                                  |       |       |
| Fee to retain Future Use Permit No. _____ after period of seven years.                                               |       |       |
| Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>1668-2</u>          | 50    | 00    |
| Fee for Filing Transfer Form _____                                                                                   |       |       |
| Fee for Filing Extension Request _____                                                                               |       |       |
| Fee for _____                                                                                                        |       |       |
| _____                                                                                                                |       |       |
| _____                                                                                                                |       |       |
| (Any Other Work Provided by Law)                                                                                     | Total | 50 00 |

By \_\_\_\_\_

Chief Engineer

STATE OF SOUTH DAKOTA

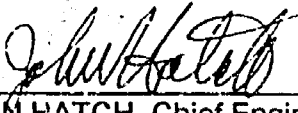
WATER LICENSE NO. 1668-2

(1) The City of Gregory, PO Box 436, Gregory SD 57533-0436 made Application No. 1668-2, April 18, 1979 for a water permit to appropriate 3.00 cubic feet of water per second from groundwater (two wells), Gregory County, South Dakota for municipal purposes. Permit No. 1668-2, with a priority date of April 18, 1979 was approved September 27, 1979 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert cubic feet of water per second for beneficial use. The location of the diversion points are Well #1 - 1190 feet north and 1900 feet west; Well #2 - 1155 feet north and 1450 feet west; both in the SW 1/4 SE 1/4 of Section 21-T97N-R72W.

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of Gregory, PO Box 436, Gregory SD 57533-0436 of the holder and/or owner of Water Permit No. 1668-2 is issued a license to appropriate water, the right to use 0.14 cubic feet of water per second from groundwater (two wells) with a priority date of April 18, 1979 from the location specified in (2) of this license. The water to be used for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Water Permit No. 1668-2 and subject to South Dakota State Law.

  
\_\_\_\_\_  
JOHN HATCH, Chief Engineer  
Water Rights Division  
Department of Environment and Natural Resources

MAR 29 1995

\_\_\_\_\_  
date



1668-2

DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3131

MAR 29 1995

1668-2

Al Cerny, Finance Officer  
City of Gregory  
P.O. Box 436  
Gregory, SD 57533-0436

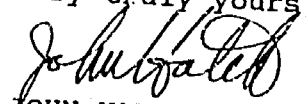
Dear Mr. Cerny:

Enclosed is Water License No. 1668-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 414419 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 1668-2, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

  
JOHN HATCH, Chief Engineer  
Water Rights Division  
(605) 773-3352

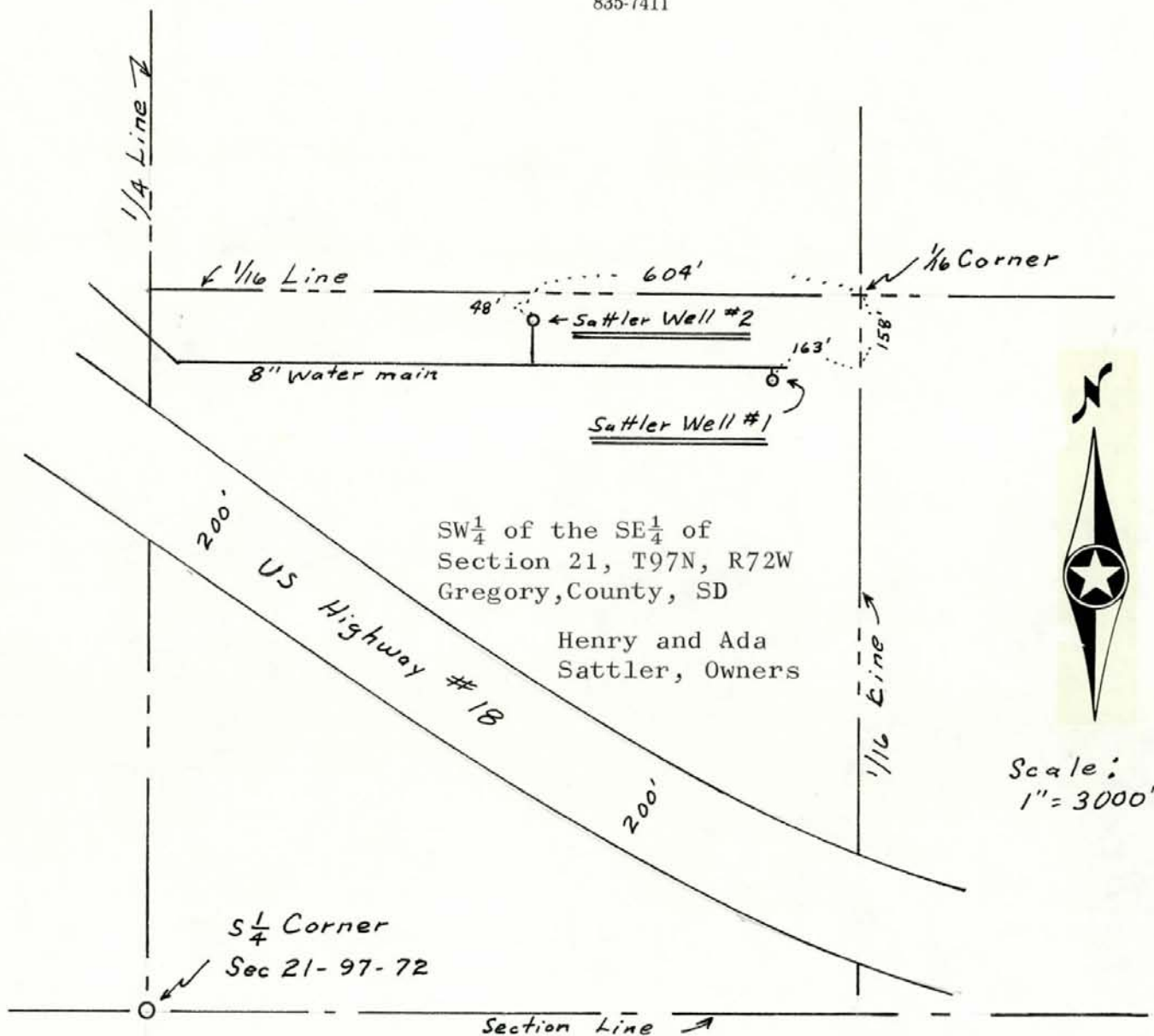
gm  
enclosures

# E. LYLE KINPORT & ASSOCIATES

Engineers And Surveyors

P.O. Box 65  
Gregory, SD 57533

Telephone  
835-7411



MAP SHOWING LOCATION OF MUNICIPAL WELLS in the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 21, T97N, R72W of the 5th P.M., Gregory County, SD. Wells were constructed during summer of 1978, for the City of Gregory, SD.

# E. LYLE KINPORT & ASSOCIATES

Engineers And Surveyors

P.O. Box 65  
Gregory, SD 57533

Telephone  
835-7411

## Certificate of Municipal Well Location Map Gregory, South Dakota

I, E. Lyle Kinport, a duly registered Professional Engineer in the State of South Dakota, do hereby certify that the attached map by the South Dakota Geological Survey accurately shows the location of the water wells built by the City of Gregory, South Dakota, during the summer of 1978.

Witness my hand and seal this 3rd day of May, 1979.

  
\_\_\_\_\_  
E. Lyle Kinport, Registered Professional Engineer

STATE OF SOUTH DAKOTA )  
COUNTY OF DAVISON )<sup>ss</sup>

On this 3rd day of May, 1979, before me the undersigned Notary Public, personally appeared E. Lyle Kinport who acknowledged to me that he executed the foregoing certificate for the purpose therein contained.

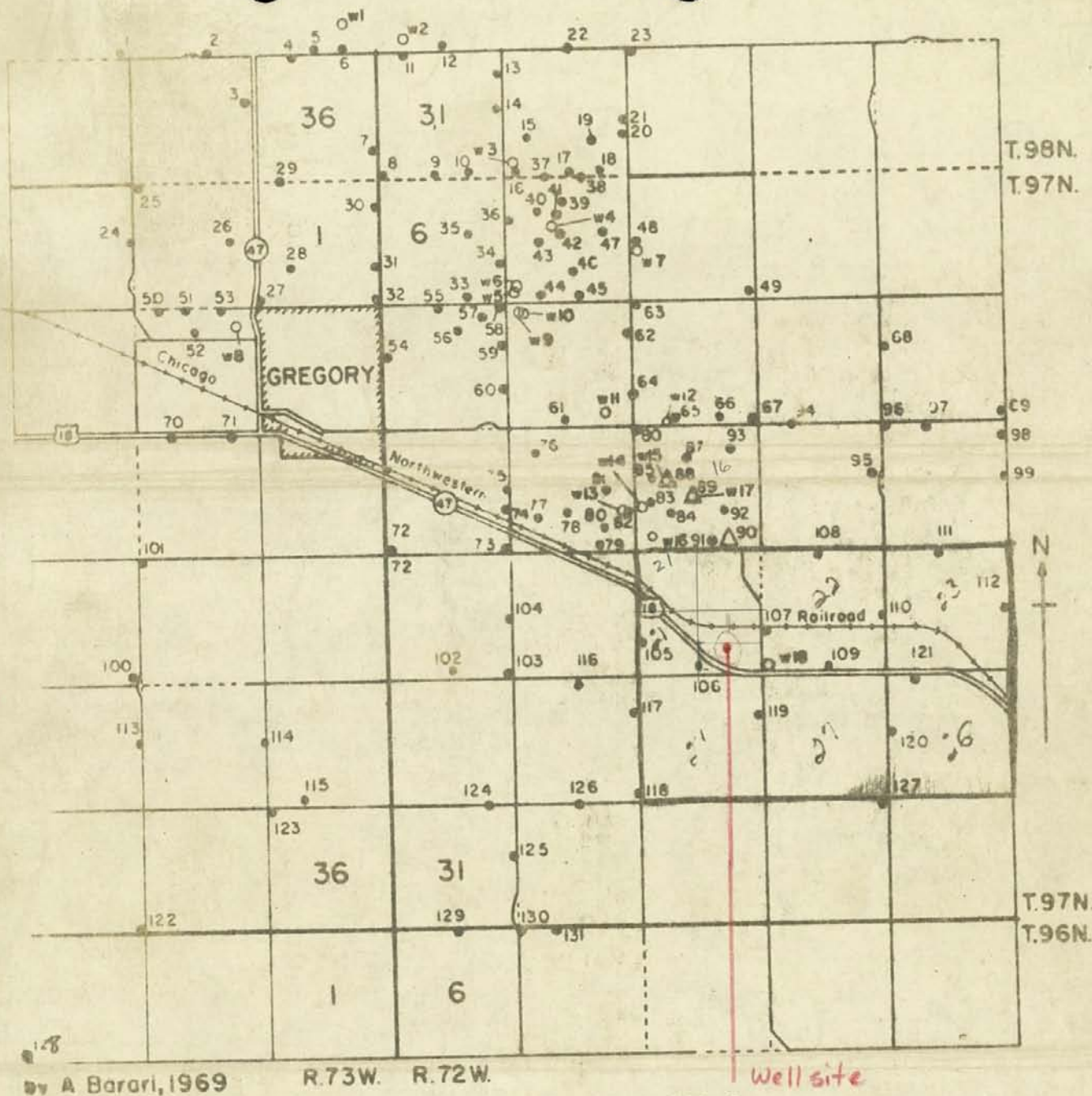
In Witness whereof I have hereunto placed my hand and seal.

My Commission Expires: February 26, 1983.

  
\_\_\_\_\_  
Ruth J. Huffman, Notary Public

Map # 1431-2 done

Map # 1431-2



This map was prepared on or about November of 1969 by the South Dakota Geological Survey. The red line indicates the well sites of city wells #1 and 2 referred to herein. Certification by South Dakota Registered Professional Engineer is attached.

