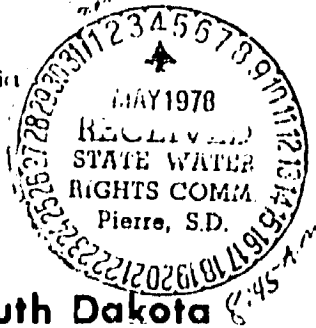


(Water Right Number) 4282-3

1. Considered MAY 25, 19 78
2. Name of Applicant MARVIN J. OGDEN
3. Post Office Address DE SMET, S.D.
4. Amount of water claimed .57
5. Source of water supply 60' EXISTING WELL (PERMIT 2697-3)
6. Water to be used for IRRIGATION
Acres to be irrigated 40.00
7. Water to be diverted and used in KINGSBURY County
about 5 NORTH, 3 Miles WEST of DE SMET
8. Proof of Publication
Received 5-19-78
Not received _____
9. Application
Approved _____
Subject to _____
Not approved _____
Action deferred _____
10. Remarks:

No. 4282-3Map No. 2059-3 Water Division No. 3 JAMES RIVER District _____
(Blanks to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

SEE PERMIT 2697-3

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

1. Name of Applicant Mervin J. Ogren
Postoffice address De Smet, State SD 57231

If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) _____

3. Name of diversion work OGREN #24. Amount of water claimed (cubic feet per second) .575. Source of water supply present well - NW 31-112-566. Location of point of diversion 1860' N. - 135° E OF NW CORNER, SEC 31-112-56County KINGSBURY7. Annual period or periods during which water is to be used FR APRIL - OCTOBER8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation9. For irrigation use, Total number of acres to be irrigated 40

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.
<u>NE 4 NE 4 36-112-57</u>			

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use _____ years.11. Choice of newspaper for Notice of Intent to Appropriate Water publication De Smet News

12. Principal Features of the Proposed Water Supply System.

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

PUMP

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

C. Works proposed to apply water to beneficial use.

CENTER PIVOTEstimated Total Cost \$3000.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)

County of _____) ss.

County of _____)

I, _____ 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 Mervin OgrenSubscribed and sworn to before me this 3rd day of May, 1978

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4282-3

MARVIN J. OGREIN

(Applicant)

DE SMET

(Post Office Address)

SOUTH DAKOTA 57231

(State)

With the following modifications:

The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation 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 MAY 4 19 78

Date of return to applicant for correction, amendments or changes required _____ 19 _____

Date of receipt of corrected application _____ 19 _____

Approved MAY 25 19 78, Recorded in Book 20 Page 29

WATER RIGHT PERMIT NO. 4282-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4282-3 authorizing the construction of the water use system and the cutting 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 MAY 4 19 78
2. The equivalent of at least one fifth of the work above specified is to be completed on or before NOVEMBER 25 19 78
3. The whole of said work is to be completed on or before MAY 25 19 79
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 25 19 79
5. The water appropriated shall be used for the purpose of IRRIGATION

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 .57 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 uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before MAY 25 19 79; said water to be used during the following described annual period: APRIL - OCTOBER

Witness my hand this 2ND day of JUNE 19 78

WATER RIGHTS COMMISSION

By:

John Hatch

Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 _____

Water License Issued _____ 19 _____

Publish first publication, on or before May 12, 1978

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

May 4, 1978

Notice is hereby given that Marvin J. Ogren whose post office

address is De Smet, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 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, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use .57 cubic feet of water per second of time from groundwater (existing well)

through the Ogren #2 the point of diversion of which is to be located in the approximate center of NW 1/4

of Section 31, Twp. 112N Range 56W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

NE 1/4 NE 1/4 Section 36, T112N, R57W

This Application No. 4282-3 will be considered by the Water Rights Commission at Pierre, SD upon the 25th day of May, 1978 at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

NOTE: Final Proof of Publication must
be received before the hearing date for
the Commission to take action.

WATER RIGHTS COMMISSION

BETTY WESTLUND

Water Rights Specialist

cc: Marvin J. Ogren, De Smet, SD 57231

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Kingsbury)

I, Dale Blegen hereby

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

Water was taken from the De Smet News

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 De Smet

County of Kingsbury and State of South Dakota;
that the said notice was published in said newspaper on the following
date:

May 10, 1978

May 17, 1978

Robert H. Rosen
(Signature)

Bookkeeper (Title)

May 18, 1978
(Date Signed)

REC'D CIVIL RIGHTS COMM. STATE WATER PIERRE, S.D. MAY 1975

**NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER**

No. 4282-3

Pierre, South Dakota 57501

May 1, 1978

Notice is hereby given that Marvin J. Ogren whose post office address is De Smet, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-1 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, 46-6-5, 46-6-6.1, 46-8-10, 46-8-14 and Commission Rules ARSD -- 62:01:01:01 thru 62:01:01:13, for a permit to appropriate for beneficial use 57 cubic feet of water per second of time from ground water (existing well) through the Ogren #2, the point of diversion of which is to be located in the approximate center of NW 1/4 of Section 31, Twp. 112N Range 66W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

NE 1/4 NE 1/4 Section 36, T112N, R57W.

This Application No. 4282-3 will be considered by the Water Rights Commission at Pierre, S.D. upon the 25th day of May, 1978 at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-28 may notify the Commission in writing prior to the hearing or orally at the hearing.

**WATER RIGHTS
COMMISSION**
Betty Westland

Water Rights Specialist

5-10-2wc-ti-17

I have operated a center pivot
can NW 31-112-56 for two years.

I would like to tow the pivot
to the west edge of the field, lay
some pipe and irrigate the
forty acres described as
NE⁴ NE⁴ 36-112-57.

Marvin Ogren

MARVIN J. OGREN
DE SMET, S. DAK. 57231

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION)



NAME Martin Ogren
ADDRESS De Smet, S.D. 57231
COUNTY Kingsbury

LEGAL DESCRIPTION

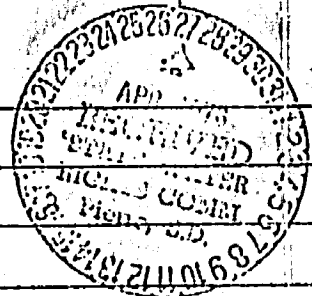
1. WELL LOCATION NW 1/4 31-112-56
2. LOCATION OF AREA TO BE IRRIGATED NW 1/4 31-112-56

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT ✓ GUN _____
4. CROPS TO BE IRRIGATED alfalfa - corn

WATER QUALITY

5. SAMPLE NUMBER 76-259
6. SALINITY (EC X 10⁶) 994
7. SODIUM (SAR) 0.63
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0



I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and:
the soils information has been acquired from _____ Conservation District,
County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true
and correct:

Martin Ogren
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
25 DAY OF March 1976.

John L. Williams
(TITLE OR SEAL)

Albert J. Duffell
APPROVED/DISAPPROVED



April 20, 1976

Mr. Marvin Ogran
DeSmet, SD 57231

Dear Mr. Ogran:

We have completed the analysis of your water sample submitted here March 25 and the original copy of the report of analysis is enclosed for your keeping. I am also enclosing a copy of AES publication #13 with the approximate quality of this water indicated by the red cross in the chart on the outside back cover. Please note the contents of this publication especially as it pertains to salinity and leaching. There is a moderate salt hazard with this water and the continued use of it on soils which do not have internal drainage will result in salt accumulation; in a matter of 6 to 8 years, it will be hazardous to many economic crops. It will mean that the yield will be reduced as much as 30-50%.

However, the bulk of the soils you propose to irrigate are quite well drained. The exceptions, of course, are the soils in the drainage way in the southwest corner of the quarter and the soils in the shallow depressions in the northwest quarter of the quarter section. Thus, you have two areas which will give you difficulty with a center pivot system. The ponding of water in the four shallow depressions in the northwest 40 and in the west and southwest sides of the quarter will all be difficult to traverse with a center pivot system. The probable difficulty with getting the equipment stuck, twisting the pipe, etc. should be well-known to you before you proceed with your plan to irrigate this land.

However, being aware of this difficulty, I am recommending that a water use permit be granted to you if you will make use of water management practices to minimize the salinity carried by this water. Those practices include the complete avoidance of frequent, light applications of water because these tend to concentrate the salt in the upper portion of the soil profile. Rather, you should irrigate thoroughly and as seldom as possible, not more than 3 times in any one growing season.

A copy of this letter, and the water analysis, and your WI-1 form are being sent to the State Conservation Commission for their action.

Sincerely yours,

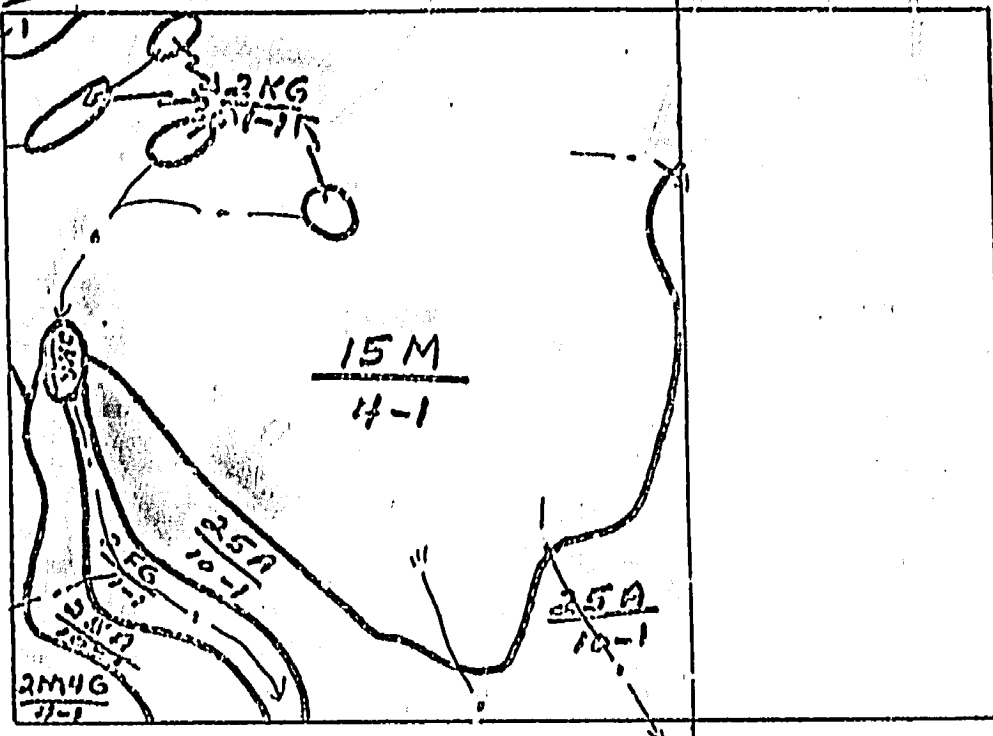
L. O. Fine

L. O. Fine
Water Quality Lab

NW 1/4 31 112-56

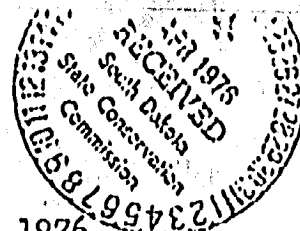
MAP

31A472
4-1



Map Symbol	Capability Unit	NARRATIVE Description
<u>2M4G</u> 4-1	IIe2	Deep, loamy, well drained soils on gently undulating (2 to 6%) slopes. They have a moderate water erosion hazard.
<u>2KG</u> 1-1	IIw1	Deep clayey and loamy, somewhat poorly or poorly drained soils with slow permeability or that are ponded. They occupy nearly level to flat slopes or depressions. Choice of crops and time of tillage is limited by seasonal wetness.
<u>2FG</u> 1-1	IIw3	Deep, clayey, limy, poorly drained soils on bottom lands that are sometimes flooded. Time of tillage is often delayed by wetness and yields are affected.
<u>15M</u> 4-1	IIIe2	Moderately deep, well drained soils with 20 to 30 inches of loamy material over gravel and sand on gently undulating (2 to 6%) slopes. These soils have limited water storage capacity and moderate water erosion hazard.
<u>31A472</u> 4-1	IVe4	Moderately deep, well drained soils with 20 to 30 inches of loamy material over gravel and sand on undulating (6 to 9%) slopes and eroded soils on gently undulating (2 to 6%) slopes. They have limited water holding capacity and moderate to severe water erosion hazard.
<u>25A</u> 10-1	VIIe2	Shallow, loamy soils with thin surface layers underlain with gravel subsoils and substrata on rolling to steep (9 to 40%) slopes. Includes loamy to gravelly terrace escarpments.

REPORT OF ANALYSIS
 Water Quality Laboratory
 Water Resources Research Institute
 South Dakota State University
 Brookings, South Dakota 57006



Submitted by: Marvin Ogron
 Address: Definet, SD 57231

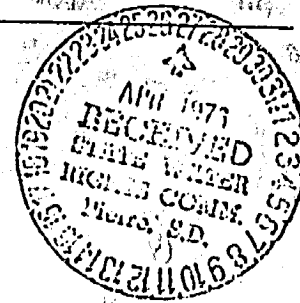
Date Rec'd: March 25, 1976
 Sample No. 76-259
 Identification Well-60
NE 1/4, Sec. 31, T. 112N, R. 56W

WATER ANALYSIS

Calcium (Ca)	160	ppm*	8.00	me/l**
Magnesium (Mg)	56	ppm	4.59	me/l
Sodium (Na)	36	ppm	1.57	me/l
Potassium (K)	16	ppm	0.43	me/l
Sulfate (SO ₄)	255	ppm	5.30	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.05	me/l
Bicarbonate (HCO ₃)	393	ppm	6.44	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		me/l
Alkalinity (Methyl Orange)	322	ppm (as CaCO ₃)		g.p.g.***
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	994	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.63			
Sodium	10.76	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.54			
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 14.59 me/l
 Total anions 11.79 me/l



By: Shirley Matten

Service Performed	Amount Due
Irrigation analysis	\$8.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-259

Amount Enclosed \$.....

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 30", Depth 60'
(2) Casing Type Steel Diameter 14" Thickness 3/16"
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type Continuous Slot, Diameter 14", Length 15'
(4) Gravel Pack, Thickness 7", 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 0' to 20' + 0' - material;
20' - 60' sand and gravel, clay
DEEP 60'

Depth to top of water bearing material 20'
Depth to bottom of water bearing material 60'
Thickness of water bearing material 40'
Depth to water (ground surface to water level) 20'

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

On same owner's property No Supply rds. On property owned by others 320 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.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3101

WATER RIGHTS DIVISION
(605) 773-3352

March 6, 1987

Marvin Ogren
DeSmet, South Dakota 57231

RE: Soil/Water Compatibility

Dear Mr. Ogren:

Enclosed you will find an application form for Soil/Water Compatibility Permit. This permit is required by the Department of Agriculture, Division of Conservation, for the 40 acres you irrigate in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 36, T112N-R57W.

Please review the application for accuracy. The form must be signed and notarized.

Since Kingsbury County does not have a soil information map, please contact Kingsbury County's Soil Scientist to survey the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 36, T112N-R57W. The form and the soil map must then be sent to the Department of Agriculture, Division of Conservation, Anderson Building, Pierre, South Dakota 57501.

Since your water has already been analyzed, you do not have to do it again.

If you have any questions, please feel free to contact this office.

Sincerely,

Rassool Ahadi
Natural Resources Engineer

RA:ms
Enc.

Department of Agriculture
WI#1
12/85

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM
Division of Conservation

Office Use Only

41209

WR#

4282-3

OWNERS NAME: Harvin Ogren

OWNERS ADDRESS: DeSmet, SD 57231

Rt. 1 Box 100

COUNTY LAND LOCATED IN: Kingsbury PHONE: 854-3978

TENANT'S NAME AND ADDRESS: _____

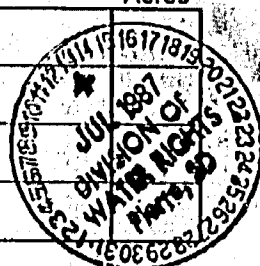
LEGAL DESCRIPTION: (Show Legal Descriptions to Nearest 10 Acres)

1. WELL LOCATION 1320 ft S., 450 ft E. from the NW Corner of Section 31, T112N, R56W
Depth 60 ft.

2. SURFACE WATER SOURCE AND DIVERSION LOCATION _____

Diversion Location _____

Legal Description	Acres	Legal Description	Acres
NE1/4 Section 30, T112N, R57W	40		



3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED 1978

LEGAL DESCRIPTION: NE1/4 Section 36, T112N-R57W

IN WHAT NAME: Harvin Ogren

4. LOCATION OF AREA TO BE IRRIGATED NOTE: SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)

5. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: Y GUN: _____ OTHER: _____ (Specify)

6. CROPS TO BE IRRIGATED: Alfalfa, Corn

WATER QUALITY (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 1 76-259 10. ADJUSTED (SAR): 10.76
8. SALINITY (EC X 10³): 994 11. PERCENT SODIUM _____
9. SODIUM (SAR): 0.63

I hereby certify that I personally obtained or that I personally observed that taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at _____ a.m./p.m. on _____, 19____, at the following location: _____ by (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

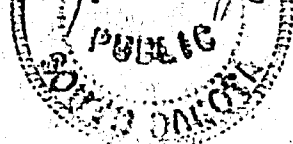
Signature, of Water Sampler. _____

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-6-6.4)

SUBSCRIBED AND SWORN BEFORE ME THIS

13 DAY OF MAY, 19 87

[Signature]
NOTARY PUBLIC



APPLICANT'S SIGNATURE _____

[Signature]
Director, Division of Conservation

Date 7-10-87

APPROVED _____ REQUIREMENTS
DISAPPROVED _____
WAIVER _____

Soil/water permits will be recorded by the Department of Agriculture with the County Register of Deeds.

MANAGEMENT FORM

4209

APPROVED Approved

NAME OF APPLICANT: *John H. Brown*

LEGAL DESCRIPTION: *NE 1/4 Sec 14, T2N, R10E, S12E, 20 Acres*

REQUIREMENTS:

MANAGEMENT RECOMMENDATIONS:

We recommend that a form of conservation tillage be used; leaving crop residue in the field to control wind erosion and improve the soil moisture capacity.

The two areas of Tunks are pot holes where water may present a problem for crops and equipment. We recommend that these areas remain in permanent vegetation or that they be drained. In some cases, we have seen some benefits using a deep ripper (24"), but it is somewhat dependent on the area and adjacent soils.

DATE

SIGNATURE



SOUTH DAKOTA
Department of
Water & Natural Resources

Joe Foss Building
623 East Capitol
Pierre, South Dakota 57501-3181

July 21, 1987

Marvin J Ogren
RR #1 Box 100
De Smet, SD 57231

Dear Mr. Ogren:

The inspection of your water use system and inspection of the extent of the application to beneficial use, as developed under Water Permit No. 4282-3 has been completed. The Division of Conservation has forwarded to us a copy of your soil/water compatibility approval. 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, your Water License will be issued.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until this \$50.00 license fee has been paid.

Please contact us if you have any questions.

Sincerely,

Genny McMATH

GENNY MCMATH
Natural Resources Analyst
605 773-3352

NOTE: When submitting the fee, please include the number of your water permit. This insures proper handling of the fee.



Department of Water & Natural Resources

Joe Foss Building
623 East Capitol
Pierre, South Dakota 57501-3181

July 23, 1987

Mrs. Marvin Ogren
RR #1, Box 100
DeSmet, SD 57231

re: Water Permit No. 4282-3

Dear Mrs. Ogren:

I am writing in response to our phone conversation on July 23, 1987. The Attorney General's Office informed me that the 1977 State Legislature passed the law which raised the licensing fees from \$12.00 to \$50.00. This law became effective on July 1, 1977. Your permit shows a completion of works dating May 25, 1979. Therefore, you are subject to the \$50.00 licensing fee.

If you have any further questions, please do not hesitate to contact us.

Very truly yours,

James Winterton
Natural Resources Engineer
605 773-3352

Dear Sir:

Thank you very much for checking this out for me. I appreciate it.

Sincerely,

Permit No. WL#2697-3
WR#4282-3

Water District

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

TO: Chief Engineer, Division of Water Rights, DWRN, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by Marvin
Ogren of De Smet, S.D. 57231 holder of
 Permit No. WL#2697-3, bearing the priority of April 14 19 76 authorizing
WR#4282-3 May 4 78
 the diversion of 1.71 cu. ft. per second of the waters of groundwater
57
 for irrigation purposes, in Kingbury County.

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

A. Works used to divert the water:

Pump: Western Landreiter, 800 GPM

Motor: Electrical, US Motors, 75 HP

B. Works used to transport water to place of use:

Approx. 870 ft. of 8" PVC

C. Works used to apply water to beneficial use:

Center Pivot: Reneka (Electrojet), 7 towers, 800 GPM output.

The system is in the following condition Good.

The point of diversion is located Well: 430' E. & 1340' S. of NW corner Section 31, T112N-R56W

The works are capable of diverting and conveying to the place of use 1.78

cu. ft. per second of water which is to be used for irrigation

Water has been put to beneficial use to the maximum extent as follows:

Sec. 31, T112N-R56W

Sec. 36, T112N-R57W

SE 1/4 NW 1/4 33 ac.

SW 1/4 NW 1/4 27

NE 1/4 NE 1/4 35 ac.

NE 1/4 NW 1/4 33

NW 1/4 NW 1/4 27

comprising a total of 155 acres of land and the license should be issued for 1.76 cfs 1.78 cfs

Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are:

Date 8/26/86

NW 1/4 Sec 31-112-56: 120 acres & 1.71 cfs (April 14, 1976)
NE 1/4 NE 1/4 Sec 36-112-57: 35 acres & 0.05 cfs (May 4, 1978)

(signature)

M. J. Ahnd

5. System Type: c) center pivot

- 1) make Pennock
- 2) number of towers 7
- 3) distance between towers _____
- 4) overall length 11.5 mi
- 5) End gun (Y/N) Y
- 6) high or low pressure High
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 75-80
- 9) GPM 300

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES	NO	Check Items
_____	_____	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
_____	_____	2. Special Qualifications to permit being abided by.
_____	_____	3. All Structures, wells and lands on map.

REMARKS:

[Handwritten signature]

L

LICENSE FOR PERMIT NUMBER 1-282-2 1/1/71

1. Legal location of wells: _____

dams & structures: _____

2. Well Information: Well Drilling Firm _____

No. of wells 1 1/1/71 Depth _____

Casing a) diameter _____ Screen a) type _____

b) length _____ b) length _____

c) type _____ Static Water Level 11

Pump a) make Wagner/Alameda/10/10 Motor a) make Electric

b) model _____ b) model no. R. 201A0046

c) size _____ c) horsepower rating _____

d) capacity 800 GPH d) motor efficiency rating _____

e) turbine pump no. of stages 75

3. Distribution lines: _____

a) size of lines 3"

b) type PVC

c) length 2000'

4. Dam information: _____

a) height to crest _____

b) height to spillway _____

c) crest width _____

d) crest length _____

e) spillway length _____

f) spillway width _____

g) app. ox. storage _____

h) Distribution lines or canals: _____

1) size _____

2) type _____

3) length _____

1) Outlet tubes: _____

1) diameter _____

2) type _____

3) valued (Y/N) _____

4) valve type _____

5) location on structure _____

5. System Type: a) sideroll: _____

1) length _____ feet

2) diameter of pipe _____

3) make, model & number of sprinklers _____

4) spacing of sprinklers _____

5) nozzle size _____

b) towline: _____

1) length _____ feet

2) make, model & number of sprinklers _____

3) spacing of sprinklers _____

4) nozzle size _____

HURON DRILLING INC. DRILL LOG

PAGE NO.

W	W	W	W	W
Wayne Ogren	N31-112-56	2/5/77	14	Stanley LeGrand
JOH NAME	LOCATION	DATE	RIG NO	FORMAN
DEPTH	TIME	REMARKS		
0-12		Topsoil and sand		
12-22		coarse sand		
22-32		22-62 gravel and coarse sand		
32-42		62-65 blue clay		
42-52				
52-62				
62-65				
		15ft perf- 15 foot case up stainless steel 15 in		
		47 ft. of solid plastic 15 in		
		20 on perrock		

WELL REPORT

HURON
DRILLING CO.
Huron & D.

Wayne Ogren
OWNER

NW-31-112-56, Kingsbury Co. February 5, 1977
DESCRIPTION DATE

CASING LOG

Depth	62	ft.				
Flows	gpm	47	ft. 15" Plastic	pipe to	47	ft.
Pumps	gpm	15	ft. 16" Stainless	pipe to	62	ft.
Head	ft.		Steel Screen 50	Slot		
			ft.	pipe to		ft.
			15'-16" Stainless Steel Screen	50 Slot		
			ft.	pipe to		ft.

Remarks

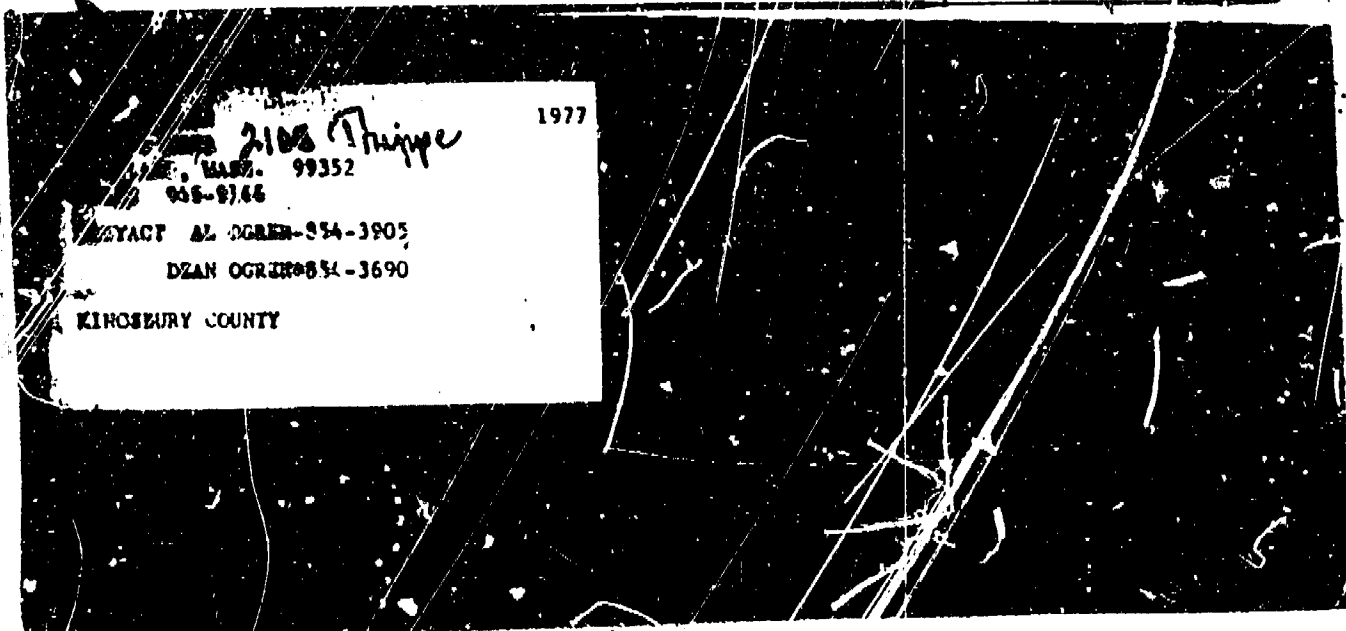
REMARKS

15 ft. 16" Stainless steel screen 50 slot

Blg No. 14

Stan LeGrand

Fortman



RECEIPT

Division of Water Rights
South Dakota Department of Water and Natural Resources

410250

Pierre, July 29, 1927

(Mary Lois)

RECEIVED OF Mrs. Marvin Ogren, RR 1, Box 100, DeSmet, SD 57231

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works 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>4202-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By John Hatch
Chief Engineer JOHN HATCH (MS)

State of South Dakota
Water License No. 4282-3

(1) Marvin Ogren
of RR#1, Box 100, DeSmet, South Dakota 57231
made Application No. 4282-3, May 4, 1978 for a water permit to appropriate
0.57 cubic feet per second of water from groundwater (one existing well)
Kingsbury County, South Dakota for irrigation purposes.
Permit No. 4282-3, with a priority date of May 4, 1978
was approved May 25, 1978 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before May 25, 1979 and for the application to beneficial use of said
water on or before May 25, 1979.

The applicable portions of Water Right No. 2697-3 have been incorporated into this
Water License No. 4282-3.

A priority date of April 14, 1976 (Water Right No. 2697-3) is retained for 1.71 cfs
and a priority date of May 4, 1978 (Permit No. 4282-3) is retained for 0.05 cfs.
Priority dates for the lands irrigated are specified in #3 of this License.

and

(2) It is certified that the application 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 1.76 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is 430'E and 1340'S of the NW Corner of
Section 31, T112N, R56W (SW1/4NW1/4)

and

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to the following extent, to irrigate the following land:

<u>Section 31, T112N, R56W</u>	<u>Section 36, T112N-R57W</u>
<u>Priority: April 14, 1976)</u>	<u>(Priority: May 4, 1978)</u>
<u>SE1/4NW1/4 33 Acres</u>	<u>NE1/4NE1/4 35 Acres</u>
<u>SW1/4NW1/4 27 Acres</u>	
<u>NE1/4NW1/4 33 Acres</u>	<u>TOTAL ACRES IRRIGATED: 155</u>
<u>NW1/4NW1/4 27 Acres</u>	

(4) Pursuant to §46-5-30.1 Marvin Ogren
of RR#1, Box 100, DeSmet, South Dakota 57231
the holder(s) and/or owner(s) of Incorporated
XXXX XXXX No. 4282-3 is issued a license to appropriate water, the right to use
1.76 cubic feet per second of water from groundwater (one well) with a priority date
1.71 cfs from April 14, 1976 and
of 0.05 cfs from May 4, 1978 from the location specified in (2) of this license. The water to be
conducted to and upon lands specified in (3) of this license for the purpose of irrigation

This license is subject to any limitations or qualifications listed in Incorporated
XXXX XXXX No. 4282-3 and subject
to South Dakota State Law.

Chief Engineer, Water Rights Division
Department of Water and Natural Resources

JOHN HATCH

NOV 2 1987



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

No. 4282-3

NOV 2 1987

Marvin Ogren
Route 1, Box 100
DeSmet, South Dakota 57231

Dear Mr. Ogren:

Enclosed herewith is, Water License No. 4282-3. This is the final water right document completing your process of obtaining a water right.

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.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

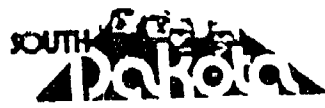
JH:MS

Enclosures

Applicable portions of Water Right No. 2697-3 have been incorporated into this Water License No. 4282-3.

WNR-817 3/83

Transmittal of Water License.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

February 17, 1989

Marvin J. Ogren
RR 1, Box 100
De Smet, SD 57231

Dear Mr. Ogren:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;



Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

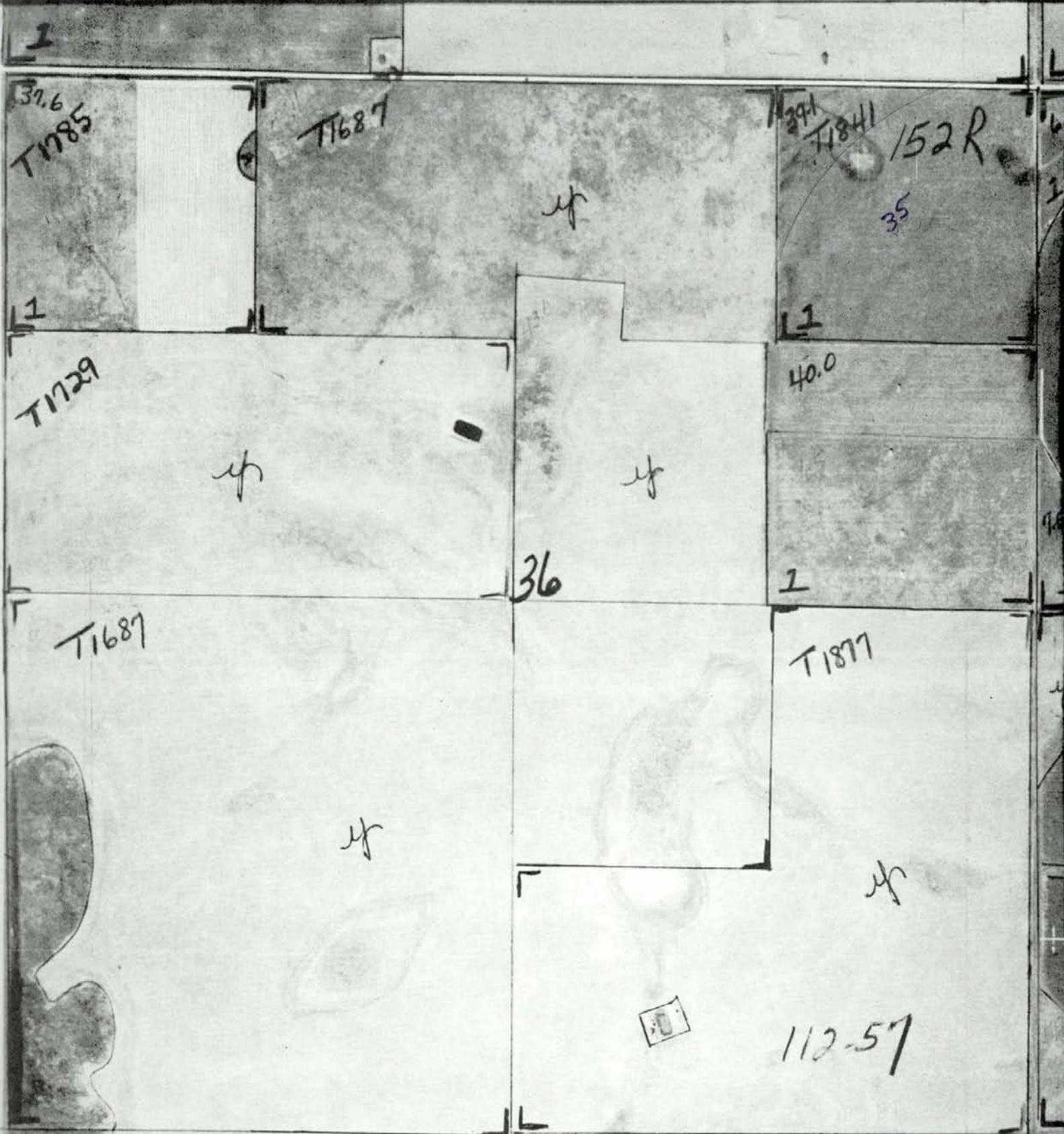
Very truly yours,

John W. Hatch

for JOHN HATCH, Chief Engineer
Water Rights Division

4282-3

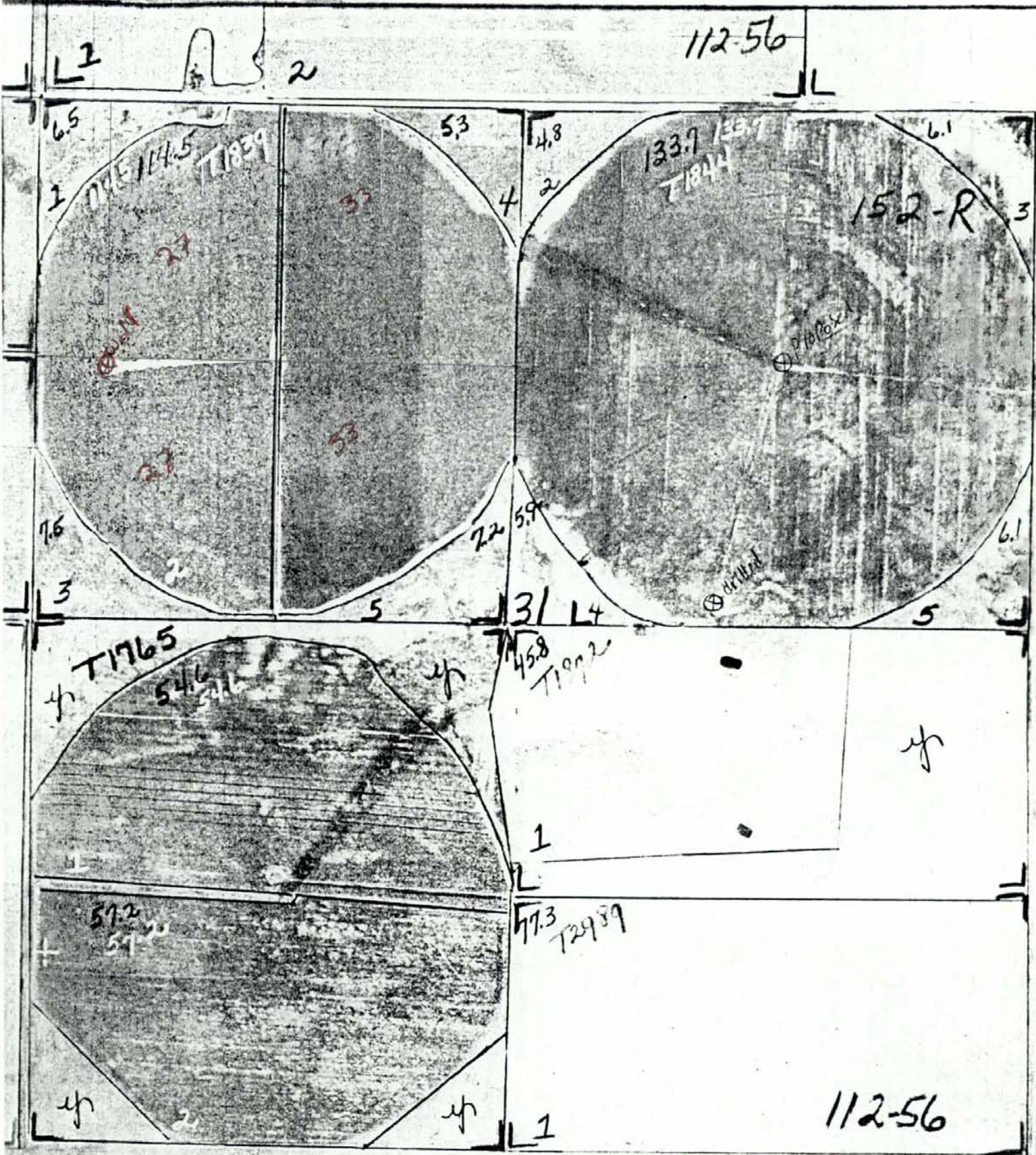
NOT TO SCALE



Water License
No. 4282-3

3132-3 4202-3

NOT TO SCALE



Water License
No. 4282-3



4282-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

October 27, 2022

1487-3

4282-3

6480-3

Neil Rommereim
804 2nd St SW
DeSmet SD 57231 2211

Dear Sir:

Enclosed is a "Notice" dated October 21, 2022 concerning the 2022 irrigation questionnaires. The notice was originally mailed to 43250 200th St, DeSmet SD. The post office notified us that your address has changed, and I will update our records accordingly.

Our records show you operate the systems for the following people:

No. 1487-3 – Ira Albeck

No. 4282-3 – Marvin Ogren

No. 6480-3 – Keith Larson

If you now own the land or no longer operate the systems, please let me know. Thank you in advance for the information.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures

Water Rights Program File Documentation

Permit/Right No. and Owner:

Permit No.	Owner	Status	Uses
1212-3	Page Brothers	License	Irrigation
3131-3	Robert B/ Scott A Lee	License	Irrigation
3132-3	Geib Family Trust	License	Irrigation
4282-3	Marvin Ogren	License	Irrigation
6480-3	Keith Larson	License	Irrigation

Date: June 18, 2024 County: Kingsbury

RE: aquifer designation

COMMENTS:

Jensen (2024) as part of a review of the Spirit Lake management unit of the Vermillion East Fork aquifer (VEF:SL) determined that Water Right Nos. 1212-3, 3131-3, 3132-3, 4282-3, & 6480-3, previously assigned an aquifer designation of Vermillion East Fork (VEF) aquifer should be reassigned. In reviewing the best information currently available for aquifer and management unit naming conventions, the best aquifer designation for Water Right Nos. 1212-3, 3131-3, 3132-3, 4282-3, & 6480-3 is the Spirit Lake management unit of the Vermillion East Fork (VEF: SL) aquifer as shown in Figure 1.

In reviewing the files for Water Right Nos. 1212-3, 3131-3, 3132-3, 4282-3, & 6480-3, the public notice and permit listed the water source as the Vermillion East Fork aquifer but the license for Water Right Nos. 1212-3, 3131-3, 3132-3, 4282-3, & 6480-3 list the water source only as groundwater. This change of aquifer designation, to the Spirit Lake management unit of the Vermillion East Fork aquifer, does not represent a physical change in the water source. It is an update to the name of the aquifer materials to reflect the currently best available information for aquifer extents. This update to the aquifer name does not authorize any increase in the amount of water appropriated by Water Right Nos. 1212-3, 3131-3, 3132-3, 4282-3, & 6480-3, relocation of existing wells, or completion of additional wells into the aquifer. Going forward, issuance of any pertinent documents will reflect the updated aquifer designation.

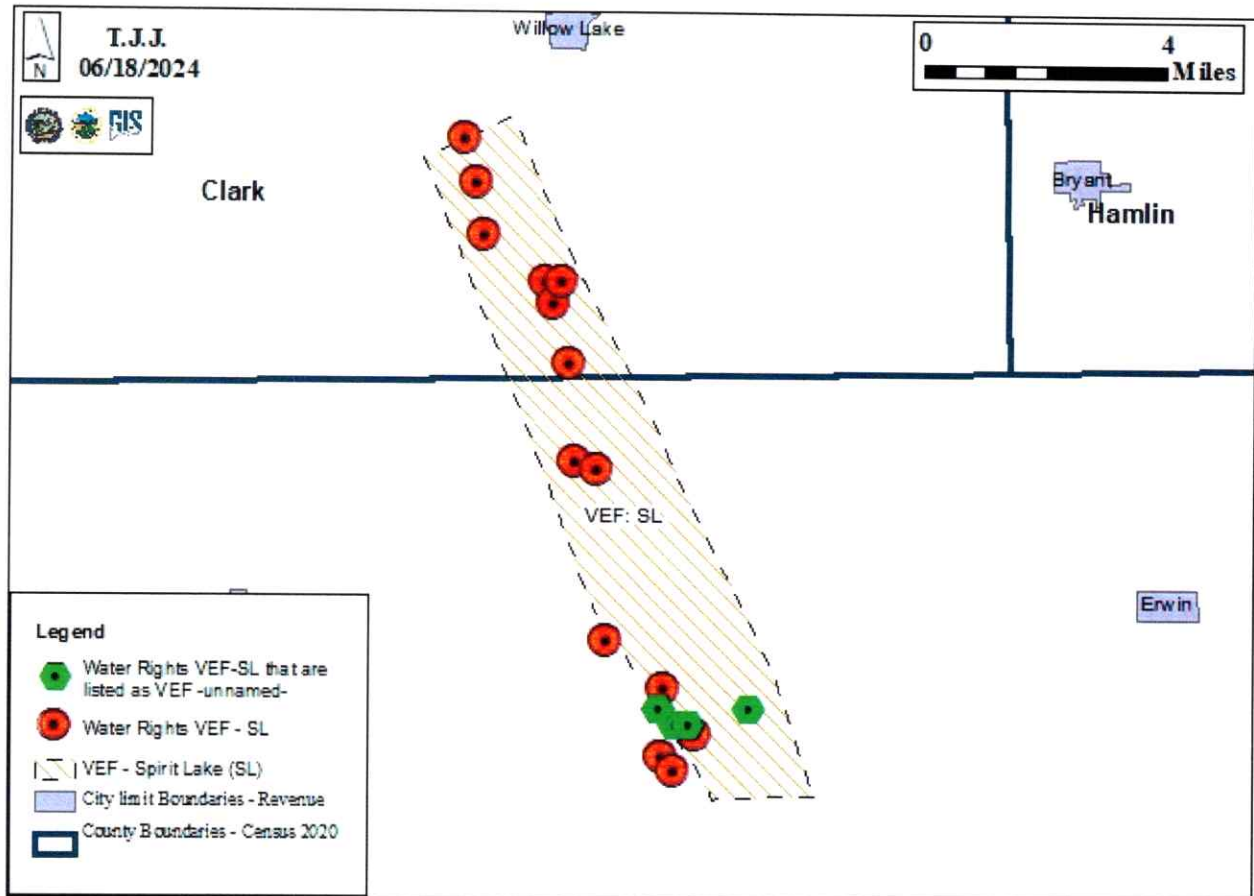


Figure 1. Map of the approximate Vermillion East Fork: Spirit Lake aquifer boundary (modified from Hedges et al, 1982), Water Rights/Permits for Vermillion East Fork: Spirit Lake aquifer, and Water Rights/Permits for Vermillion East Fork: Spirit Lake aquifer previously assigned Vermillion East Fork aquifer.

Tyler Jensen
 Tyler Jensen
 Natural Resources Engineer I

Eric Gronlund
 Eric Gronlund
 Chief Engineer

Jensen, T. 2024. Report to the Chief Engineer on Water Permit Application No. 8848-3. SD DANR-Water Rights Program. Joe Foss Building, Pierre, South Dakota.

Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., and Schoon, R.A. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3 Ground-Water Storage, Task 4: Computerized Data Base. United States Army Corps of Engineers Contract DACW 45-80-C-0185.