

1. Considered 1-28 1981
 2. Name of Applicant Richard Adee
 3. Post Office Address Rt. 2, Bruce, S.D. 57220
 4. Amount of Water Claimed 3.3
 5. Source of Water Supply 121' and 41' well
 6. Water to be used for IRR
 7. Acres to be irrigated 231 maximum acre feet
 8. Water to be diverted and used in Brookings County
about 15 miles of BRUCE
 9. PROOF OF PUBLICATION Received 1-26-81
Not Received
- APPLICATION Approved 1/29/81
Subject to WI-10
Not Approved
Action deferred

Priority Date Received 12/17/80 Application Complete yes ☒ no ☐ FEE 275⁰⁰
Remarks #275 need fee and WQ

WATER
QUALITY

Date information and/or rec or corrected Application received 1-5-81
Period of Annual use April Through October
Received yes 1/8/81 no APPROVED/CONDITIONAL (Circle one)
WI-1 Description same as application yes no Remarks

Disapproved

Returned

N-51			N-50		

Diversion Point

Well #1 in the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 18
T11N-R50W
and Well #2 in the SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 13

~~XXXXXX~~ T11N, R51W

Lands to be irrigated

NW $\frac{1}{4}$, Section 18-T11N-R50W and
SW $\frac{1}{4}$ Sec. 13-T11N-R51W
~~EX2NE⁴~~

WELL
LOG

Remarks

Driller Kaisers Well Works Licensed yes ☒ no

Depth 121' and 41' deep wells

MAP Map No. 3825-3 Map located in Water Right xx Map file _____
 Type of Map Aerial Prepared by Wiersma

+++++

REVIEWED This Application was reviewed within 30 days of date received, accepted as complete, Number assigned and written up for advertisement before the Board on 1-28-81.

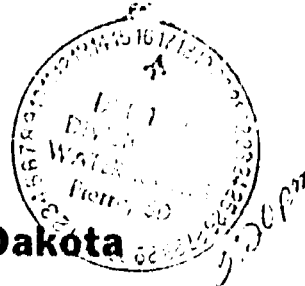
B. J. Westlund
 (Signed)

+++++

PROTESTS Letters/Petitions in File - yes _____ no _____ Remarks _____

REMARKS Date _____
 F.F. & C Final Decision, including F.F. & C of Law were adopted _____
 OF LAW, Date _____
 FINAL Final Decision mailed to parties and/or parties notified that Final Decision
 DECISIONS _____
 ETC. was adopted _____

Remarks _____

No. 4607-3Map No. 3825-3 Water Division No. 3 Big Sioux District
Above for Office Use 10170202

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

Check one of the following:

New ☒ Vested Right _____ Future Use _____

Change in Diversion _____ Additional Diversion _____

Change in Acreage _____ Additional Acreage _____

1. Name of Applicant Richard Adce Phone No. 627-5623
 Post Office Address RR #2 Bruce State South Dakota 57220
 (Street, RR, or Box) (Town) (Zip Code)
 If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & direct labor3. Name of diversion work Richard Adce Irrigation Project #14. Amount of water claimed (cubic feet per second) 3.35. Source of water supply Wells

6. Location of point of diversion Well #1 - 1860' N 135° E of NW corner Sec 18 - 111-50
Well #2 - 1840' N 135° W of NE corner Sec 13 - 111-51
SE 1/4 NE 1/4

County Brookings7. Annual period or periods during which water is to be used April through October8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation9. For irrigation use, Total number of acres to be irrigated 231

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.
<u>N 1/4 of NW 1/4 Sec 18 - 111-50</u>	<u>38</u>
<u>N 1/2 of NW 1/4 Sec 18 - 111-50</u>	<u>39</u>
<u>S 1/4 of NW 1/4 Sec 18 - 111-50</u>	<u>37</u>
<u>SE 1/4 of NW 1/4 Sec 18 - 111-50</u>	<u>40</u>

Land Description	No. Acres Irr.
<u>NE 1/4 of NE 1/4 Sec 13 - 111-51</u>	<u>35</u>
<u>SE 1/4 of NE 1/4 Sec 13 - 111-51</u>	<u>40</u>

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 3 years.11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water Brookings Register

12. Principal Features of the Proposed Water Supply System.

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

Wells with deep well turbines

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

Altered canals

C. Works proposed to apply water to beneficial use.

Center pivot irrigation machinesEstimated Total Cost \$ 20,000

Attachments: 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 Brookings) ss.I, Richard L. Adce

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 Richard L. AdceSubscribed and sworn to before me this 12 day of Dec, 1980

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Management Board hereby approves Water Right Application No. 4607-3

RICHARD ADEE (Applicant) RT. #2 - BRUCE (Post Office Address)
SOUTH DAKOTA 57220 (State) With the following qualifications

The irrigation wells 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 with-drawals so there is not a reduction of needed water supplies in adequate domestic wells or in irrigation wells having prior water rights.

This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Date of first receipt of application DECEMBER 17, 1980
 Date of return to applicant for correction, amendments or changes required DECEMBER 19, 1980
 Date of receipt of corrected application W6 JANUARY 8, 1981
 Approved JANUARY 29, 1981, Recorded in Book 22 Page 20

WATER RIGHT PERMIT NO. 4607-2

The Water Management Board hereby grants and issues this Water Right Permit No. 4607-2 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as qualified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is DECEMBER 17, 1980
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 29, 1983
3. The whole of said work is to be completed on or before JANUARY 29, 1986
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 29, 1989
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 2.3 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 irrigation purposes said appropriation must be limited to not more than 2 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 JANUARY 29, 1989; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 12th day of MARCH, 1981

THE WATER MANAGEMENT BOARD

By. John Ketch
 Chief Engineer, Water Rights

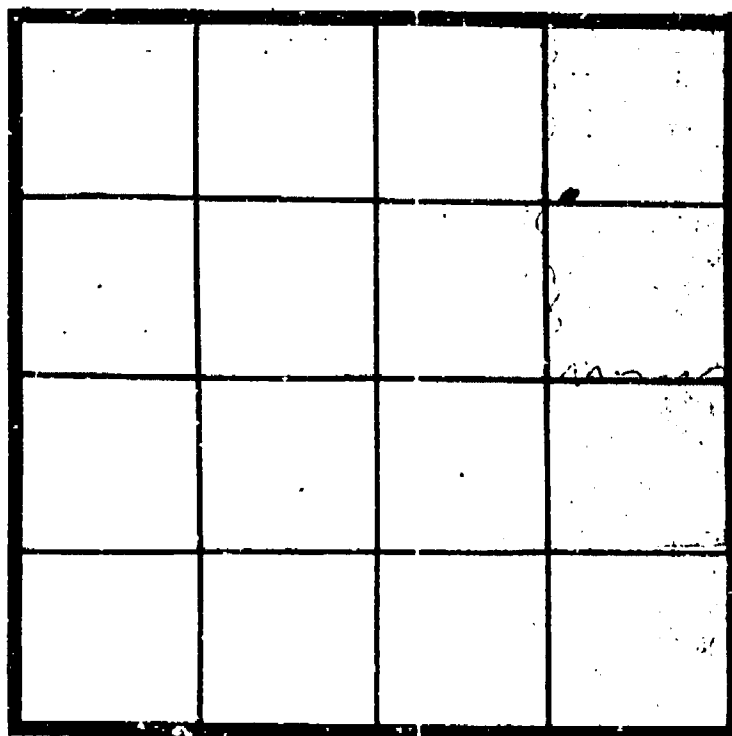
Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

Kaiser's Well Works De Smet, South Dakota 57231

IRRIGATION-TESTING-DRILLED-STOCK AND DOMESTIC
BORED WELLS Ph. 854-3744

~~Richard Adair~~
Name ~~Richard Adair~~
Location ~~De Smet, S.D.~~
Township ~~De Smet~~
Section ~~NE 1/4 NW 1/4 - 51~~
Section 13



Test hole No. 1

Data

Top soil	0 - 1'
sand	1 - 32'
sand medium	32 - 40'
fine medium to coarse	40 - 41'
blue clay	41 - 60' - 080' 4' 76'

Test hole No. 2

Data

Richard Adair	
Richard Adair	

static level - 6'

Kaiser's Well Works De Smet, South Dakota 57231

IRRIGATION-TESTING-DRILLED-STOCK AND DOMESTIC
BORED WELLS

Ph. 854-3744

Name Richard Adde
~~Frank P. H. H.~~
Location De Smet, S. Dak.
~~De Smet, S. Dak.~~

Township _____

Section NW 1/4 N 111 E - 50
Section 18



Test hole No. 1

Data

Top soil	0 - 1'
gr. clay	1 - 28'
Blue clay	28 - 89'
gravel	89 - 121'
Blue clay	121 - 130'

Test hole No. 2

Data

Driller: <u>Richard Adde</u>	

Static level - 12'

Conditional

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION



NAME OF APPLICANT Richard L. Allen

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED

The Brookings soils on the east edge of the NW of Sec. 16-T111-R50
should be left in grass or legumes.

RECOMMENDED MANAGEMENT:

The rest of the soils are very subject to wind erosion, therefore conservation
practices should be applied to protect them.

Lined area for additional text or recommendations.

D Well information

- (1) Drill Hole, Diameter 20", Depth well #1 - 121'
- (2) Casing, Type PVC, Diameter 14", Thickness 3/8"
(wood, concrete, steel, etc.)
- (3) Screen, Type concrete, Diameter 14", Length 15' in each well
well #1 - 33'
- (4) Gravel Pack, Thickness 3', Length of gravel pack well #1 - 20'

E. Dugout Information or Estimates

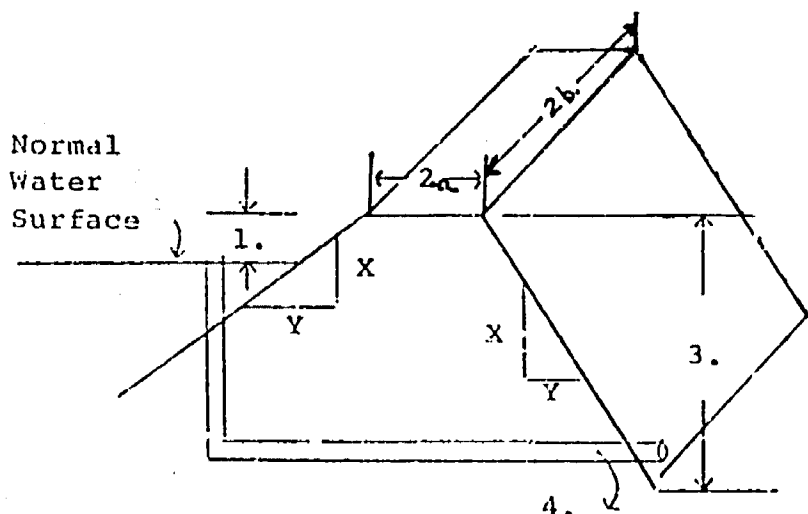
- (1) Surface dimensions, _____, Depth _____

F Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Attach a copy of test well log)
- Depth to top of water bearing material well #1 - 34'
well #2 - 6'
- Depth to bottom of water bearing material well #1 - 121'
well #2 - 41'
- Depth to water (ground surface to water level) well #1 - 121'
well #2 - 5'
- (2) Distance to nearest existing household or livestock watering well.
- On same owner's property No. 54994 rds.
well #1 - 160'
- On property owned by others well #2 - 200' 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, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.



1. Freeboard _____
- 2a Crest width _____ b. Length _____
3. Height of Dam _____
4. Outlet dimensions:
- Pipe diameter _____
- Spillway width _____
- X & Y slope:
- Upstream _____
- Downstream _____
- Surface area of impoundment _____
- Drainage area above dam _____

Richard L. Hlee
Signature of Applicant

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

TENANT'S NAME AND ADDRESS: (If Other Than Owner)

12345678910111213141516171819202122232425262728293031

JAN 31
DIVISION OF
WATER RIGHTS
Pierre, SD

Affidavit of Publication

State of South Dakota

ss

County of Brookings

Dennis D. Koenders

of said county, being first duly sworn, on oath, says: That he is one of the editors of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that he has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year next prior to the first publication of Exhibit "A," hereto attached and herein mentioned and was and is printed in the office maintained at said place of publication; and that the

Legal No. 29

64 lines x .367

a printed copy of which, taken from the paper in which the same was published, is hereto attached marked Exhibit "A," and is made a part

of this affidavit, was published in said newspaper for Two

successive week(s), to-wit:

JANUARY 16	19 81	19....
JANUARY 23	19 81	19....
	19....	19....
	19....	19....

That the full amount of the fee charged for the publication of said Exhibit "A" inures to the sole benefit of the publishers of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever; that the fees charged for the publication thereof are:

Twenty-three dollars and forty-nine cents

Dollars

Subscribed and sworn to before me this 23rd day of

January

19 81

Notary Public in and for the County of Brookings, South Dakota.

My Commission expires

19 85

Exhibit "A"

Legal No. 29, 2x, Jan. 16, 23
NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE
WATER

Pierre, South Dakota 7501

January 9, 1981

Notice is hereby given that Richard Adee whose post office address is Bruce, South Dakota, has made an application 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, 46-6-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 3.3 cubic feet of water per second of time from ground water (two wells) through the Adee Irrigation Project No. 1, the point(s) of diversion of which (are) to be located Well No. 1 — in the SE 1/4 NW 1/4 Section 18, T111N, R50W and Well No. 2 — in the SE 1/4 NE 1/4 of Section 13, Twp 111N, Range 50W. Said water to be used for the purpose of providing irrigation on portions of the following described land: NW 1/4 Section 18, T111N, R50W and E 1/2 NE 1/4 Section 13, T111N, R51W.

This Application No. 4907-3 will be considered by the Water Management Board at Meeting Room No. 1, Knelp Building Church & Illinois, Pierre, SD upon the 28th day of January, 1981 at 10 A.M. The Board 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 Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing. This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWNR, Jos Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

Betty Westlund

BETTY WESTLUND

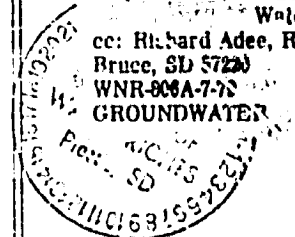
Water Rights Specialist

cc: Richard Adee, RR No. 2

Bruce, SD 57220

WNR-006A-7-75

GROUNDWATER



No. 4607-3

Publish first publication, on or before January 16, 1981

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 9, 1981

Notice is hereby given that Richard Adee whose post office address is Bruce, South Dakota, has made an application 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 52:01:01:13, for a permit to appropriate for beneficial use 3.3 cubic feet of water per second of time from ground water

(two wells) through the Adee Irrigation Project #1, the point(s) of diversion of which ~~xxx~~(are) to be located ~~xxxxxx~~ Well #1 - in the SE 1/4 NW 1/4 Section 18, T111N, R50W
and Well #2 - in the SE 1/4 NE 1/4

of Section 13, Twp. 111N, Range 52W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

NW 1/4 Section 18, T111N, R50W and E 1/2 NE 1/4 Section 13, T111N, R51W

This Application No. 4607-3 will be considered by the Water Management Board at Meeting Room #1, Knapp Building Church & Illinois, Pierre, SD upon the 28th day of January, 1981

at 10 A.M. The Board 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 Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

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

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWNR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

cc: Richard Adee, RR #2
Bruce, SD 57220

BETTY WESTLUND
Water Rights Specialist

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7870

PIERRE, January 5, 1981

RECEIVED OF Pickard Farms Inc, Rt. 2, Brookings, SD 57006

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

Fee for Application for Permit to Appropriate Water No. 4607-3 (examination, processing, recording and filing)	27	00
Fee for inspecting Construction, and Issuing Cert. of Construction No.		
Fee for inspecting Beneficial Use, and Issuing Water License No.		
Fee for issuing Location Certificate-Dry Draw, No.		
Fee for filling		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for (any other work as provided by law)		
TOTAL	27	00

WATER RIGHTS COMMISSION

By (John H. Hatch)
Chief Engineer, Executive Officer
JOHN HATCH / JH

Map # 3825
001314607

51

13

700

111-49

37.61263

99.8

1140

Area Irrigated
Acres Irrigated
Water claimed - 33 cfs

NW 1/4 Sec 18 - 111-50
E 1/4 NE 1/4 Sec 13 - 111-51

074

13-15-16

John Williams

Richard Adde
Irrigation Project #1
Bruce South Dakota

18

4495



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501
March 22, 1983

Water Rights Division
605 773-3352

4607-3
Richard Adea
RR 2
Bruce SD 57220

Dear Sir:

Water Permit No. 4607-3 was approved with the qualification that the irrigation questionnaire be submitted each year. To date we have not received the 1982 questionnaire from you.

Please complete the enclosed questionnaire and return to this office. Failure to return the questionnaire is in violation of the conditions under which the permit was approved.

Please advise, if you have any questions.

Very truly yours,

A handwritten signature in black ink that reads "John Hatch". The signature is written in a cursive, flowing style.

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks
enclosure

4607-3

 **Department of
Water & Natural Resources**

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

February 17, 1989

Richard Adee
Box 368
Bruce, SD 57220

Dear Mr. Adee:

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;

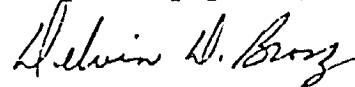


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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,



for: JOHN HATCH, Chief Engineer
Water Rights Division



Department of Water & Natural Resources

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

4607-3

August 23, 1989

Richard Adee
RR #2
Bruce, SD 57220

Dear Mr. Adee:

The inspection of your water use system and the inspection of the extent of the application of water to beneficial use, as developed under your Water Permit No. 4607-3 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.

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
Natural Resources Analyst
(605) 773-3352

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



Division of Water Rights

411902

Pierre, September 11, 1980

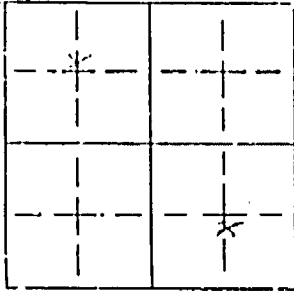
the following amount in fees for services rendered as provided for by law:

By S. H. Hatcher
Chief Engineer (H. H. H.)

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Well never used covered
10-85 back upLocation N 1/4 Sec 16 Twp 14N Rg 50W
County Brookings Richard Aders place
NorthPlease mark well
location with
an "X"

W



1 mile

Well Completion Date 7-20-21 no record

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Direct Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT <u>14</u>	IN <u>1 1/2</u>	FT <u>87</u>	FT <u>18</u>	IN <u>18</u>
LB/FT <u>14</u>	IN <u>1 1/2</u>	FT <u>124</u>	FT <u>18</u>	IN <u>18</u>
LB/FT _____	IN _____	FT _____	FT _____	IN _____
LB/FT _____	IN _____	FT _____	FT _____	IN _____

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 1 1/4 IN Length 25'-12' FEETMaterial Teknison 5.5.11-12Slot Size 200 Set From 87 Feet To 112 FeetSlot Size 100 Set From 112 Feet To 124 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain 17H TabletsBacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Richard AdersAddress Brookings, SD

Well Log:

Depth

Formation

From

To

<u>Topsoil</u>	<u>0</u>	<u>1</u>
<u>Yellow clay</u>	<u>1</u>	<u>34</u>
<u>Blue clay</u>	<u>34</u>	<u>87</u>
<u>Sand Fine</u>	<u>87</u>	<u>102</u>
<u>Blue clay</u>	<u>102</u>	<u>112</u>
<u>Sand coarse</u>	<u>112</u>	<u>124</u>
<u>Blue clay</u>	<u>124</u>	<u>125'</u>

STATIC WATER LEVEL 42 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped☐ BailedDescribe: Turbine☐ Other

Pumping Level Below Land Surface

87 ft. After 3 Hrs. pumped 200 GPM95 ft. After 12 Hrs. pumped 750 GPM112 ft. After 24 Hrs. pumped 600 GPM

REMARKS: well kept declining, so I checked his well at his place, which had considerable draw down; which it became evident formation would not hold up, so we pulled the well. We then drilled one west on the next quarter & capped it up the hill.

This well was drilled under license # 337

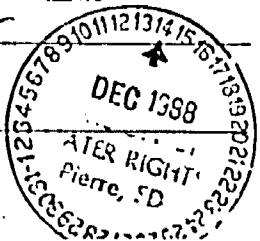
And this report is true and accurate.

Drilling firm Kain Well Works

Signature of License Representative:

Ronald Gene Kain

Signature of Well Owner:

Date 12/12/22

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location N 1/4 Sec 111 N Twp 111 N Rg 51 W

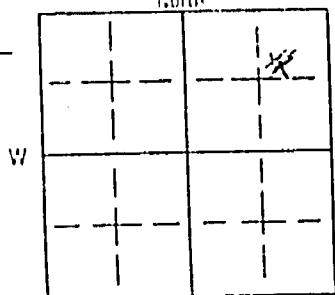
13

County

North

Beauregard

Please mark well location with an "X"



W

E

1 mile

Well Completion Date 80-31 NO RECORD

PROPOSED USE:

- ☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Direct Rotary

CASING DATA:

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT <u>14</u>	IN <u>14</u>	FT <u>+1 1/2</u>	FT <u>39</u>	IN <u>18</u>
LB/FT _____	IN _____	FT _____	FT _____	IN _____
LB/FT _____	IN _____	FT _____	FT _____	IN _____
LB/FT _____	IN _____	FT _____	FT _____	IN _____

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 14 IN Length 15 FEETMaterial Johnson S.S. Hi-QSlot Size 080 Set From 39 Feet To 54 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☒ NOExplain HTH tabletsBacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner

Name

Richard Adge

Address

Brice, S.D.

Well Log:

Depth

Formation

From

To

<u>Topsoil</u>	<u>0</u>	<u>2'</u>
<u>yellow clay</u>	<u>2'</u>	<u>6'</u>
<u>sand yellow</u>	<u>6'</u>	<u>34'</u>
<u>gray sand</u>	<u>34'</u>	<u>54'</u>
<u>Blue clay</u>	<u>54'</u>	<u>60'</u>

STATIC WATER LEVEL 12 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other: specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedTurbine☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

<u>19'</u>	ft. After <u>8</u> Hrs. pumped <u>800</u> GPM
_____	ft. After _____ Hrs. pumped _____ GPM
_____	ft. After _____ Hrs. pumped _____ GPM

REMARKS: This well provides water for N 1/4 of Sec 18 Twp 111 N. Rg. 50 W.This well was drilled under license # 337

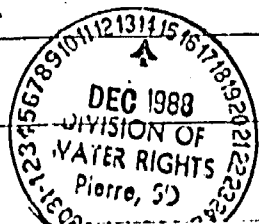
And this report is true and accurate.

Drilling firm

Signature of License Representative:

Signature of Well Owner

Date

12/12/88

LICENSE FOR PERMIT NUMBER 4607-3

1. Legal location of wells: NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 13, T11N, R51W

dams & structures: One Center Pivot, Near center of NW $\frac{1}{4}$ of Sec. 18, T11N, R50W

2. Well Information: Well Drilling Firm Kaiser

Completion Report Yes ☒ No ☐ No. of Wells 1 Depth 54' / 60'

Casing a) diameter _____ Screen a) type _____

b) length _____ b) length _____

c) type _____ Static Water Level 12'

Pump a) make _____ Motor a) make _____

b) model _____ b) model No. _____

c) size _____ c) horsepower rating _____

d) capacity _____ gpm

e) turbine pump - no. of stages _____

f) operating PSI _____

3. Distribution lines or canals

a) size 10"

b) type Underground PVC

c) length See Map

(Other information on examination report sheet)

4. Dam Information:

a) height to crest _____ m) Outlet tubes:

b) height to primary spillway _____ 1) diameter _____

c) height to secondary spillway _____ 2) type _____

d) crest width _____ 3) valved (Y/N) _____

e) crest length _____ 4) valve type _____

f) spillway length _____ 5) location on structure _____

g) spillway width _____

h) approx. storage _____ n) Category of Dam _____

i) approx. storage to crest _____

j) date constructed _____

k) inspection sheet completed (Y/N) _____

l) Name of Contractor _____

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 _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

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

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project _____

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?
☒	☐	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
☒	☐	5. Is chemigation used?
☐	☒	6. If yes, does equipment comply with chemigation rules? <i>Inspection prior to Chemigation Rules</i>

REMARKS:

Permit No. 4607-3BIG SIOUX RIVER 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 RICHARDADEE of BRUCE, SD holder ofPermit No. 4607-3, bearing the priority of DECEMBER 17, 1980 authorizingthe diversion of 3.3 cu. ft. per second of the waters of GROUNDWATERfor IRRIGATION purposes, in BROOKINGS County.

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

A. Works used to divert the water:

ONE ^{15' (PM)} ~~38'~~ DEEP WELL WITH 14" STEEL CASING AND 1/4" JOHNSON SS SCREEN
 VALLEY PUMP; HEAD - 290; CODE J-81, 1800 RPM; 800 GPM CAPACITY; SERIAL # 10MHE-5A28
 [A CENTRIFUGAL PUMP (VALLEY) BOOSTER NEAR THE PIVOT POWERED BY A 50 HP CENTURY MOTOR, TYPE-SC
 WELL PUMP POWERED BY A 60 HP G.E. INDUCTION MOTOR; TYPE K; 1760 RPM; 3540 RPM, ID# 6-332679
 B. Works used to transport water to place of use:

2350 FEET OF 10" UNDERGROUND PVC PIPE FROM WELL TO CP

C. Works used to apply water to beneficial use:

A 1142' LONG, 6 TOWER VALLEY C.P. WITH A NELSON 200 END GUN
 HIGH PRESSURE SYSTEM (70 PSI WITH END GUN ON); 800 GPM CAPACITY

The system is in the following condition GOOD

The point of diversion is located 1190' W AND 122.0' S OF THE NE
CORNER OF SECTION 13, T114N, R51W.

The works are capable of diverting and conveying to the place of use 1.78 (800 GPM)cu. ft. per second of water which is to be used for IRRIGATIONWater has been put to beneficial use to the maximum extent as follows: ALL IN SECTION 18, T114N, R50WNW 1/4 NW 1/4 - 28 ACRESNE 1/4 NW 1/4 - 30 "SE 1/4 NW 1/4 - 30 "SW 1/4 NW 1/4 - 28 "comprising a total of 116 acres of land and the license should be issued for 1.66 cfsApplicable permit qualifications have been complied with ☒ Yes ☒ NoExceptions to compliance are: * NO WELL LOG FOR PRODUCTION WELL Date 8-4-88

* Production Well log sent in
 by Kaiser on 12-14-88

(KAISER)

Thomas M. Brandler
 (signature)

Dear Henry!

Did the person
inspecting our well
check on the check-
valves to see if we
can put fertilizer through
the system?

Raymond J. Holm

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4607-3

(1) Richard Adece of PO Box 368, Bruce SD 57220-0368 made Application No. 4607-3, December 17, 1980 for a water permit to appropriate 3.3 cubic feet of water per second from groundwater (two wells), Brookings County, South Dakota for irrigation purposes. Permit No. 4607-3 with a priority date of December 17, 1980 was approved January 29, 1981 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before January 29, 1986 and for the application to beneficial use of said water on or before January 29, 1989.

(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 1.66 cubic feet of water per second for beneficial use. The location of the diversion point is: 1190 feet W and 1220 feet S of the NE corner of Section 13, T11N, R51W (NE 1/4 NE 1/4).

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

T11N, R50W Section 18	NW 1/4 NW 1/4	28 acres
	NE 1/4 NW 1/4	30 "
	SE 1/4 NW 1/4	30 "
	SW 1/4 NW 1/4	28 "

TOTAL 116 acres

(4) Pursuant to Section 46-5-30.1 Richard Adece of PO Box 368, Bruce SD 57220-0368 the holder(s) and/or owner(s) of Water Permit No. 4607-3 is issued a license to appropriate water, the right to use 1.66 cubic feet of water per second from groundwater (one well) with a priority date of December 17, 1980 from the location specified in (2) of this license. The water is 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 Water Permit No. 4607-3 and subject to South Dakota State Law.


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

NOV 20 1989

SOUTH DAKOTA
Department of
Water & Natural Resources

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

NOV 20 1989

4607-3

Richard Adee
PO Box 238
Bruce SD 57220-0368

Dear Mr. Adee:

Enclosed is Water License No. 4607-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 411902 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. 4607-3, 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,



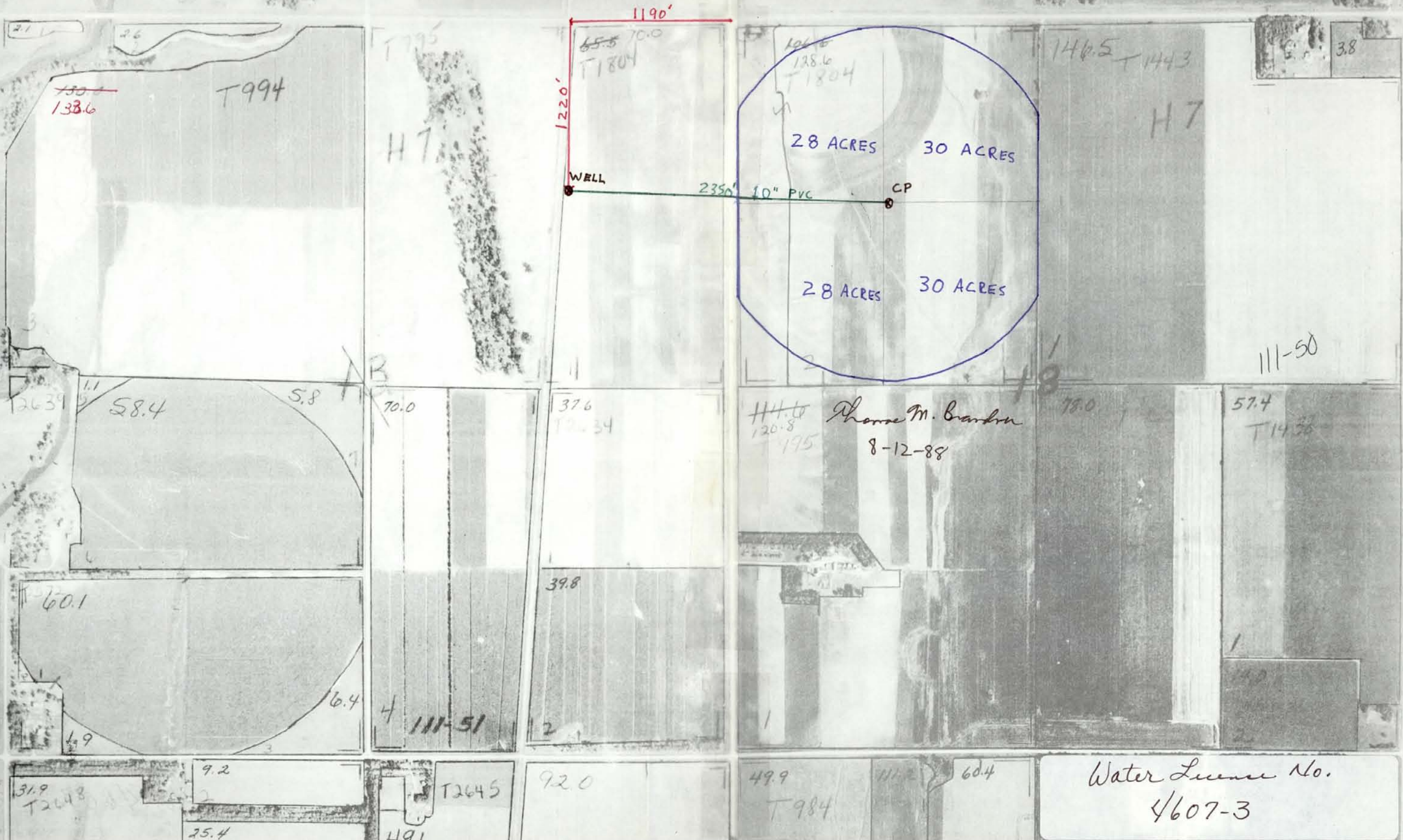
JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

enclosures



NOT TO SCALE

NOT TO SCALE



Water License No.
4607-3

1-100

well # 2

N 136° E

1-100

Richard Adee
Irrigation Project #1
Bruce South Dakota



13

70.0

37.6/263

18

78.0

67.4

Area Irrigated NW⁴ sec 18 - 111-50
E² of NE⁴ sec 13 - 111-51
Acres Irrigated 331
Water claimed - 3 cfs.

39.8

12-15-20

John Sedwime

111-59

111-5

Warp 5826.3
4901 4607.3

51

1-100

well #
2

1840
N 135° E

1840
N 135° E

1-100

Richard Adee
Irrigation Project #1
Bruce South Dakota

44

13

70.0

37.6/263

114.0

18

78.0

57.4

Area Irrigated - NW¹ sec 18 - 111-50
E² of NE¹ sec 13 - 111-51
Acres Irrigated 231
Water claimed - 3.3 cfs.

39.8

12-15-80

John Sedwisme

111-49

111-50

map # 3825-13
april # 4607-3

51

4607-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

APR 29 2010

4607-3
7078-3

Richard Adee
PO Box 368
Bruce SD 57220 0368

Dear Mr. Adee:

Enclosed is your Water License No. 7078-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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. 7078-3, 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.

Sincerely,

A handwritten signature in black ink, appearing to read "Garland Erbele". The signature is written in a cursive, flowing style.

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

Note: The applicable portions of Water Right No. 4607-3 have been incorporated into Water License No. 7078-3.