

WATER PERMIT NO. 6000-3

Name of Applicant: **Burdette Hanson**

Address: **RR 2 Box 426, Elk Point SD 57025**

Phone: **605 356-2859**

Amount of Water Claimed: **0.57 cfs**

Total Acres: **40**

Source of Water Supply: **groundwater**

Water to be used for: **irrigation**

County: **Union**

Type of Waste Disposal System: **NA**

Location: **4 miles northwest of Elk Point**

PRIORITY

Date Received: **5-2-97**

Fee: **\$150**

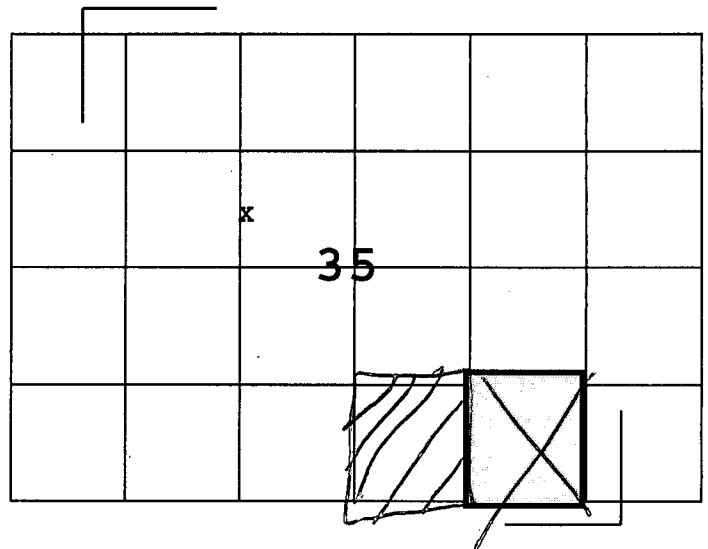
Corrected Application Received:

Period of Annual Use: **April 1 - October 1**

Remarks: **Use existing well and center pivot authorized by Water Right No. 4543-3**

Diversion Point: **quarter-quarter line between
SW 1/4 NW 1/4 and SE 1/4 NW 1/4 Sec 35-
T92N-R50W**

Land to be Irrigated: **SW 1/4 SE 1/4 Sec 35-
T92N-R50W**



Depth of Well:

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Barry McLaury**

Reviewed and the Number Assigned on: **5-2-97**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

FORM 2: Application for irrigation in South Dakota
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6000-3</u>	(office use only) Hydrologic Unit <u>10/70203</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Elk Point Leader-Courier, Elk Point, SD</u>	



Application For Permit To Appropriate Water For Irrigation

Type of Application: X New Vested Right Amendment/Correction to Permit No.

(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name of Applicant Burdette Hanson Phone 605-356-2859
(check one) X Owner Tenant/lessee
Mailing Address RR2 Box 426 Elk Point State SD 57025
(Street-RR- or Box) (Zip Code)

2. Amount of water claimed 0.57 *CFS or **GPM ***AF Total Acreage 40
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Ground water

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 well located on the line between the SW1/4 NW1/4 and the SE1/4 NW1/4 in Section 35; T092N R50W (2,970 feet N and 1,320 feet E from the SW corner of Section 35). County Union

5. County or counties where water will be used Union

6. Annual period during which water is to be used April 1 thru October 1

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
SW1/4 SE1/4 Section 35; T092N R50W	40		

8. Give a description of the project. (Attach sheet if more space is needed)
Use an existing well and center pivot (covered under Water Permit No. 4543-3, Lyle Wagner) to irrigate the SW1/4 SE1/4 Section 35; T092N R50W by allowing the center pivot to do a complete circle.

STATE OF SOUTH DAKOTA) SS
County of Union

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, BURDETTE HANSON, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Signed, Burdette Hanson

Subscribed and sworn to before me this 28th day of APR. 4 19 97

Dana Folsom

My Commission Expires Nov. 14, 1997

Notary Public

6000-3



NOT TO SCALE

1995



RECEIPT

Division of Water Rights

415336

South Dakota Department of Environment and Natural Resources

Pierre, _____

May 2, 1997

RECEIVED OF Burdette Hanson, RR 2, Box 426, Elk Point, SD 57025

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

Fee for Application for Permit No. <u>6000-3</u> to Appropriate Water, to construct and to put water to beneficial use _____	150	00
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. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	150 00

By

Chief Engineer

John Hatch (Signature)

REPORT ON WATER PERMIT APPLICATION NO. 6000-3

for Burdette Hanson

June 2, 1997

Application No. 6000-3 proposes to appropriate 0.57 cfs (257 gpm) from an existing well approximately 110 feet deep located in the S 1/2 NW 1/4 of Section 35 to irrigate 40 acres located in the SW 1/4 SE 1/4 of Section 35; all in T92N-R50W in Union County. This well is authorized by Water Right No. 4543-3 and approval of this application will allow the existing center pivot to make a full rotation.

AQUIFER - MISSOURI ELK POINT (M-EP)

The Missouri Elk Point is an alluvium mantled outwash (sand and gravel) which is probably under artesian conditions at this site. The aquifer underlies 180 square miles and contains an estimated 1.5 million acre feet of recoverable water in storage (Niehus, 1994). The aquifer is hydraulically connected to the Big Sioux South and Upper Vermillion Missouri aquifer to the north, extends into Clay County to the west, and directly overlies the Dakota Formation over much of the southern portion of Union County. Also, the aquifer is hydraulically connected to the Big Sioux and Missouri Rivers. Ground water movement is generally toward the southeast with local movement to the rivers. There is no well information filed with the application but sufficient information is available from the county study, Water Rights observation wells and other area well logs to evaluate this application.

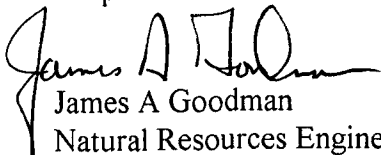
The Water Rights Program monitors two observation wells UN-77K and UN-87G which are located within a two mile radius of this application. Water levels for these wells show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 1997).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are two existing water permits/rights within a one mile radius of this application. Interference is not a concern. The well for this application is an existing well and has been in use for many years.

CONCLUSIONS

1. Water is available from the Missouri Elk Point aquifer.
2. The aquifer may be under artesian conditions at this site. However, this is not expected to cause significant drawdown. This is shown by observation well hydrograph for UN-87G. Interference is not expected to be a concern.
3. This is an existing well and system. These application requests additional acres which will allow the center pivot to make a full circle.


James A Goodman
Natural Resources Engineer

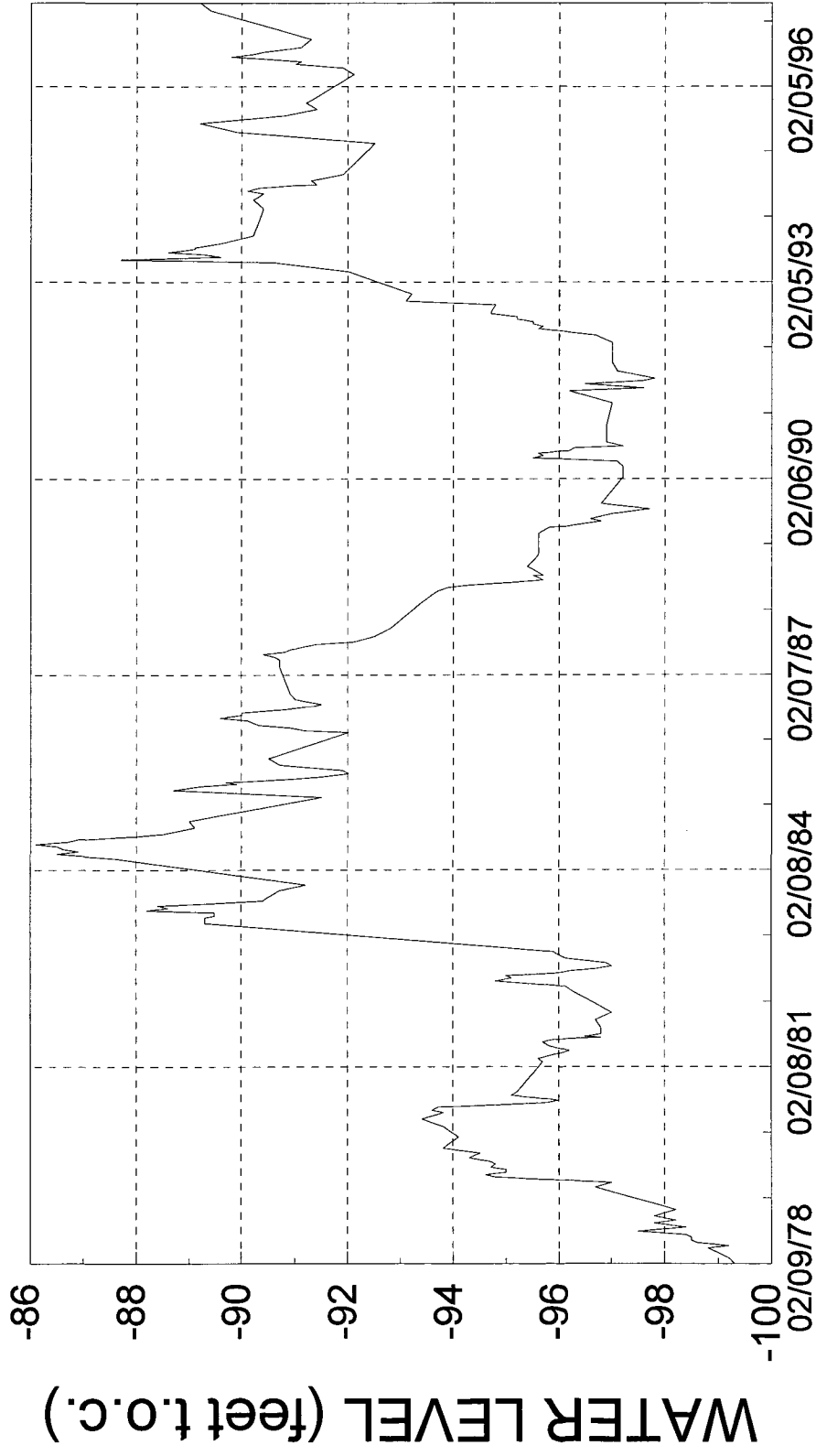
BIBLIOGRAPHY

Niehus, C.A., 1994, Water Resources of Lincoln and Union Counties, South Dakota, Water-Resources Investigations Report 93-4195, USGS, Rapid City, SD, 57702.

Water Rights, 1997, Unpublished Observation Well Records for Union County, SD DENR, Division of Environmental Services, Water Rights Program, Pierre, SD, 57501.

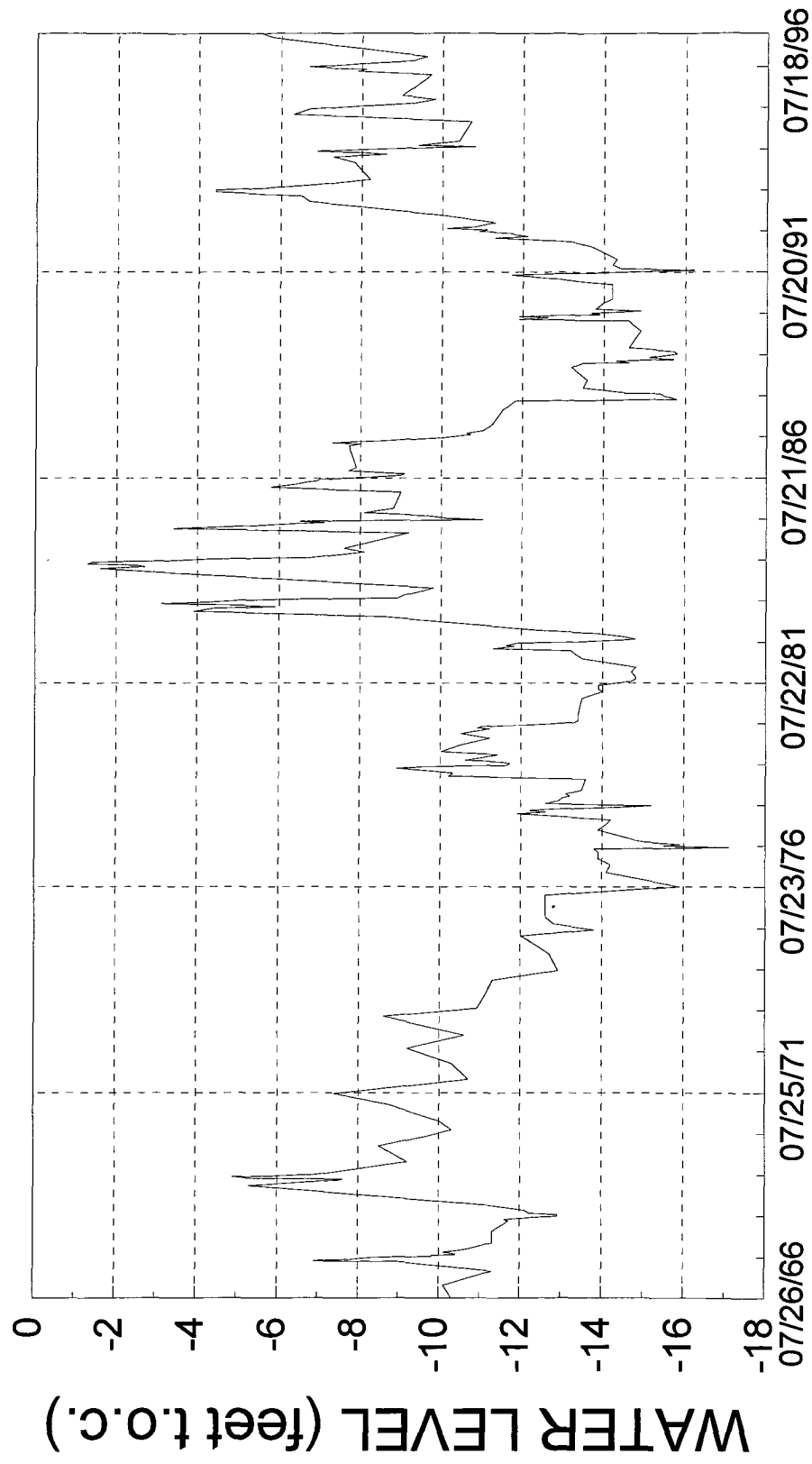
WATER RIGHTS OBSERVATION WELL

UN-77K



WATER RIGHTS OBSERVATION WELL

UN-87G



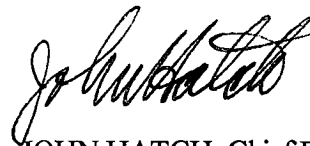
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6000-3, Burdette Hanson

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6000-3, Burdette Hanson, RR 2, Box 426, Elk Point, SD 57025.

The Chief Engineer is recommending APPROVAL of Application No. because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.



JOHN HATCH, Chief Engineer

June 9, 1997



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.

June 10, 1997

Burdette Hanson
RR 2, Box 426
Elk Point, SD 57025

Dear Mr. Hanson:

Water Permit Application No. 6000-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Elk Point Leader-Courier printed at Elk Point, SD (Ph # (605) 356-2632). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

c: Wayne Heckathorn, Operator, RR 2, Box 108, Elk Point, SD 57025



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 10, 1997

Elk Point Leader-Courier
Box 310
Elk Point, SD 57025-0310

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 6000-3 to be published twice. Please publish the first notice on June 19, 1997, with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Burdette Hanson, RR 2, Box 426, Elk Point, SD 57025 (Ph # (605) 356-2859).

A copy of BOTH publications must be SENT to the WATER RIGHTS PROGRAM. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

FIRST TRANSMITTAL NOTICE

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

No. 6000-3

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper

Instruction to Newspaper - Publish first Notice on June 19, 1997, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6000-3 to Appropriate Water

Notice is given that Burdette Hanson, RR 2 Box 426, Elk Point SD 57025 has filed an application for a water permit to appropriate 0.57 cubic feet of water per second from one existing well (Missouri:Elk Point Aquifer) approximately 110 feet deep located in the S 1/2 NW 1/4 Section 35 to irrigate 40 acres located in the SW 1/4 SE 1/4 Section 35; all in T92N-R50W. The well is authorized by Water Right No. 4543-3 and approval of this application will allow the existing center pivot to make a full rotation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6000-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 7, 1997.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

STATE OF SOUTH DAKOTA)
) SS
County of Union)

certify that the attached printed Notice was taken
from the Leader-Courier

printed and published in Elk Point
County of Union and

state of South Dakota. The notice was published
in the newspaper on the following two dates:

June 19, 1997
June 26, 1997
Cost of Printing \$35.37


(Signature)

Publish
(Title)

6-26-97
(Date Signed)

Notice is given that Burdette Hanson, RR 2 Box 426, Elk Point, SD 57025 has filed an application for a water permit to appropriate 0.57 cubic feet of water per second from one existing well (Missouri: Elk Point Aquifer) approximately 110 feet deep located in the S1/2NW1/4 Section 35 to irrigate 40 acres located in the SW1/4SE1/4 Section 35; all in T92N-R50W. The well is authorized by Water Right No. 4543-3 and approval of this application will allow the existing center pivot to make a full rotation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6000-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E. Capitol, Pierre, SD 57501 (605-773-3352)" and the applicants; mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 7, 1997.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application.

NETTIE H. MYERS, Secretary
Department of Environment
and Natural Resources
Publish June 19 and 26, 1997
49-1-64 **35.1**

35.37



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 13, 1997

Burdette Hanson
RR2 Box 426
Elk Point, SD 57025

Dear Mr. Hanson:

During an inspection of Water Permit No. 4543-3 for Lyle Wagner, I talked to Wayne Heckathorn, operator of the Wagner property, and he said they wanted to do a complete circle with the center pivot covered under their water permit in Section 35. In order for them to do this, a water permit application for irrigation must be completed for the acreage in the SW1/4 SE1/4 Section 35; T092N R50W, which you own.

Please review and sign the bottom of the enclosed completed application. Note that the application must be signed in the presence of a Notary Public. Please return the application with an application fee of \$150.00 in the self-addressed envelope provided.

If you have any questions, feel free to contact me at 605-773-3352.

Sincerely,

Barry A. McLaury
Water Rights Program

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

AUG 8 1997

Burdette Hanson
RR 2, Box 426
Elk Point, SD 57025

Dear Mr. Hanson:

Enclosed is Water Permit No. 6000-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
605 773-3352

enclosures

c: Wayne Heckathorn

PLEASE NOTE: Certain changes may be made to your water permit usually without affecting the priority date. The location of a point of diversion may be changed or additional points of diversion may be approved if the water source remains unchanged; no additional water is appropriated; and, if irrigating, no additional land is irrigated. The change may be allowed without application or publication, if the Water Rights Program is contacted and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

A new water permit application is required to change water sources, increase the permitted diversion rate, or increase the irrigated acreage. If the application is approved, the water permit will receive a new priority date.

**SOUTH DAKOTA
WATER PERMIT NO. 6000-3**

Date of first receipt of application May 2, 1997.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6000-3 to Burdette Hanson, RR 2 Box 426, Elk Point SD 57025 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6000-3 appropriates 0.57 cubic feet of water per second from one existing well (Missouri:Elk Point Aquifer) approximately 110 feet deep located in the S 1/2 NW 1/4 Section 35 to irrigate 40 acres located in the SW 1/4 SE 1/4 Section 35; all in T92N-R50W. The well is authorized by Water Right No. 4543-3 and approval of this application will allow the existing center pivot to make a full rotation.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 - October 1.
3. The date from which applicant may claim right is May 2, 1997.
4. The date of approval of Permit No. 6000-3 is July 7, 1997.
5. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

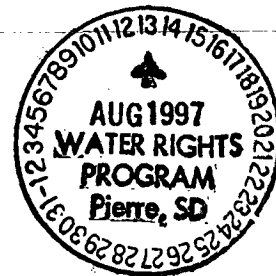
1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: 
John Hatch, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 8 1997
date



NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate Aug 11, 1997TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM:

Burdette Hanson
(name)Box 426 Rt 2
(address)Elk Point
(city)So. Dak.
(state)57025
(zip)1-605-356-2859
(phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 6000-3.

Water Permit No. 6000-3 states that the diversion system is to be constructed by

April 1, and that the water is put to beneficial use by
(date)

Oct 1.
(date)

The diversion system was completed on May 2, 1997.
(date)

Applying the water to beneficial use was completed on April 1, 1997.
(date)

You may schedule an inspection so that the Water License may be issued.

Burdette Hanson
(signature)

Permit No. 6000-3
Sioux River River - Water District

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

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, August 10, 1999, made a thorough examination of the water use system constructed by Mr. Burdette Hanson of RR 2 Box 426, Elk Point SD 57025 holder of Permit No. 6000-3 bearing the priority of May 2, 1997 authorizing the diversion of 0.57 cu. ft. per second of the waters of the Missouri:Elk Point Aquifer for irrigation purposes, in Union County.

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

A. Works used to divert the water:

A 100 HP General Electric Motor with a 1300 GPM Fairbanks – Morse pump

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

Approx. 1200' of 8" buried PVC pipe from the well to the center pivot

C. Works used to apply water to beneficial use:

An 11 tower Zimmatic – Lyndsay center pivot

The system is in the following condition **good**. The point of diversion is located **2,970 feet North & 1,320 feet East of SW corner of Section 35, T92N, R50W (S1/2 NW 1/4)**. The works are capable of diverting and conveying to the place of use **2.89** 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:

All in Section 35, T92N, R50W

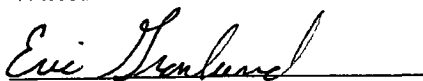
Water Permit No. 6000-3	SW 1/4 SE 1/4	33 acres
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Water Right No. 4543-3	SW 1/4 NW 1/4	30 acres
	SE 1/4 NW 1/4	40 acres
	NW 1/4 SW 1/4	40 acres
	NE 1/4 SW 1/4	40 acres
	SW 1/4 SW 1/4	29 acres
	SE 1/4 SW 1/4	40 acres
	SW 1/4 NE 1/4	30 acres
	NW 1/4 SE 1/4	40 acres

comprising a total of **33** acres of land and the license should be issued for no additional cfs.
Applicable permit qualifications have been complied with: Yes X

Exceptions to compliance are: none Date Report Completed: September 3, 1999

Water License Nos. 4543-3 and 6000-3 should not be incorporated together.


Eric Gronlund
Natural Resources Engineer
DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR PERMIT NO. 6006-3

DATE OF INVESTIGATION:	August 10, 1999
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Wayne Heckathorn Heckathorn Farms 31792 473rd Avenue Elk Point SD 57025
NAME & ADDRESS OF PERMIT HOLDER	Mr. Burdette Hanson RR 2 Box 426 Elk Point SD 57025
DIVERSION POINT LEGAL LOCATION	2,970 feet North & 1,320 feet East of SW corner of Section 35, T92N, R50W (S1/2 NW 1/4)

Other permit(s) associated with the project: Water Right No. 4543-3, Lyle Wagner

WELL INFORMATION:

- 1) Well Drilling Firm: Wetmore
- 2) No. of Wells 1
- 3) Depth(s) 110 feet
- 4) Well log is available No
- 5) Comment: _____

Casing:

- 1) Diameter _____ inches
- 2) Length _____ feet
- 3) Type _____

Screen:

- 1) Type _____
- 2) Length _____ feet
- 3) Static water level _____ feet

Pump:

- 1) Make Firbanks-Morse
- 2) Model _____
- 3) Size _____
- 4) Capacity 1300 GPM

Motor:

- 1) Make General Electric
- 2) Model No. _____
- 3) Horsepower rating 100 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type PVC
- 2) Size 8 inches
- 3) Length approx. 1200 feet

SYSTEM TYPE:**Center pivot:**

- 1) Make Zimmatic - Lindsay (Model 507 – Serial No. L12642)
- 2) Overall length 1960 feet
- 3) Number of towers 11
- 4) End gun Yes
- 5) High or low pressure High
- 6) Capacity 1300 GPM

CHEMIGATION EQUIPMENT:

- 1) Does chemigate Yes
- 2) Main line check valve Y
- 3) Inspection port/air relief Y
- 4) Low pressure drain Y
- 5) Discharge is 20' from source Y
- 6) Interlock type electrical
- 7) Injection pump type piston
- 8) Injection check valve Y
- 9) Injection line check valve or positive displacement pump Y
- 10) All chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules Y
- 11) Comments: _____

PERMIT QUALIFICATIONS:

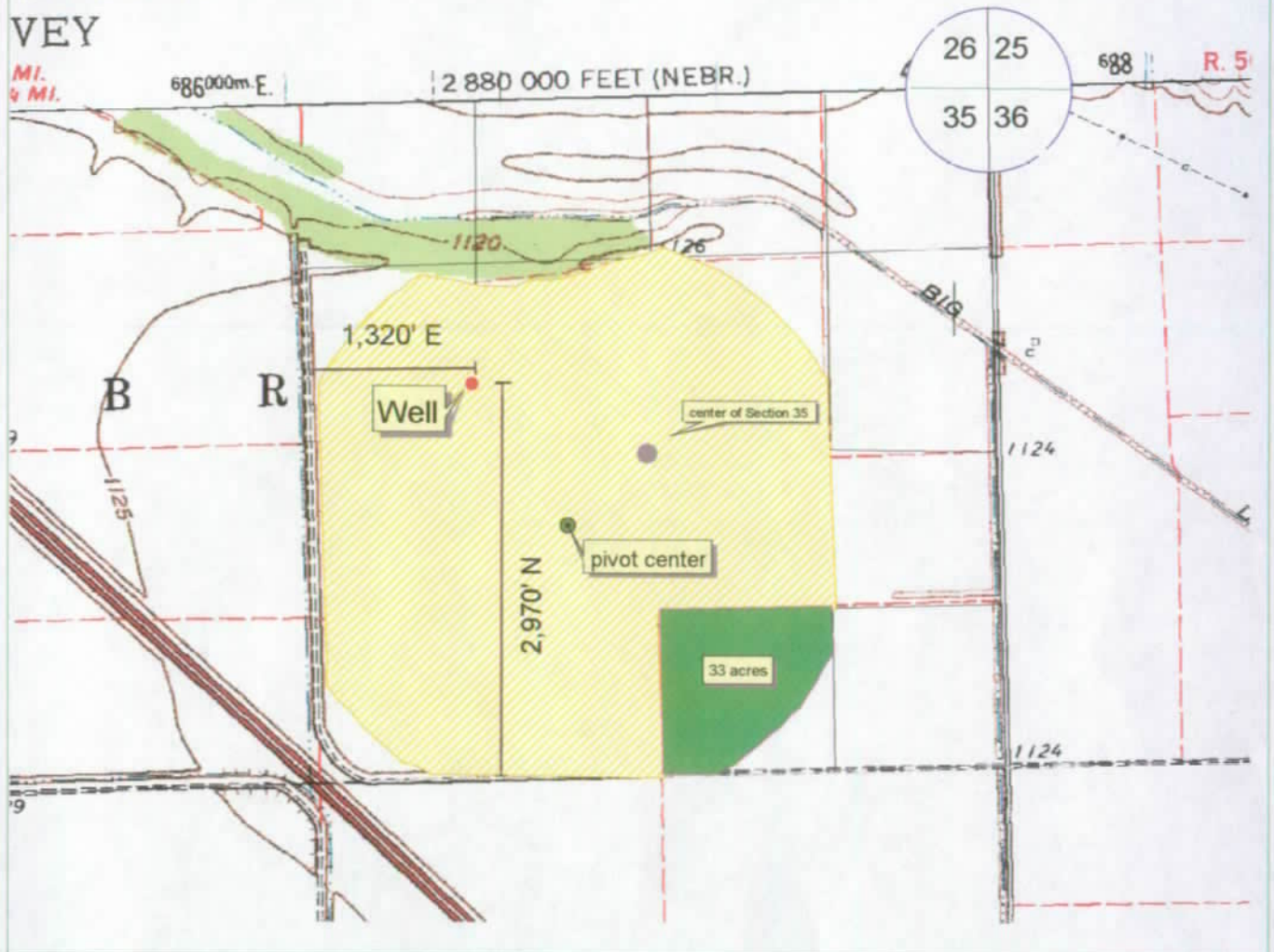
- 1) Special qualifications to permit being abided by Yes
- 2) All structures, wells and lands on map Y/N
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Yes

COMMENTS: Water Permit No. 6000-3 was filed to authorize the irrigation of 40 acres that were not covered under Water Right No. 4543-3. The assumed reason that these acres were not originally applied for is the 40 acre parcel is owned by someone else. These two water rights can not be incorporated together because of the two separate owners. Heckathorn Farms operates lands. The water license will have to include a statement regarding the related water right. The well & capacity of the center pivot remain at 1300 gpm. No additional diversion rate is associated with this permit

Water Permit No. 6000-3, Burdette Hanson



INTERIOR
VEY

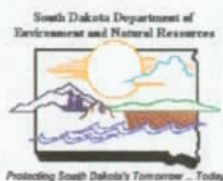


Irrigated acreage - SW1/4 SE1/4
Section 35, T92N, R50W

1000 0 1000 2000 Feet

Water Permit No. 6000-3

Water Right No. 4543-3



Eric Gronlund
Eric Gronlund
Water Rights Program
Licensing Investigator
Conducted - August 10, 1999



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

January 18, 2000

6000-3

Burdette Hanson
RR 2, Box 426
Elk Point, SD 57025

Dear Mr. Hanson:

The investigation of your water use system was conducted on August 10, 1999, by Eric Gronlund, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under Water Permit No. 6000-3. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the investigation 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 Program
523 E. Capitol
Pierre, SD 57501-3181

Sincerely,

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

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

c: Wayne Heckathorn, Rt 2, Box 108, Elk Point, SD 57025



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
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Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181

BURDETTE & GLADYS HANSON
31713 475 AVE.
ELK POINT, SD 57025

this is my address now

Sincerely,

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

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

c: Wayne Heckathorn, Rt 2, Box 108, Elk Point, SD 57025

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

N2 416386

Pierre, February 18, 2000

RECEIVED OF Burdette Hanson, RR 2, Box 426, Elk Point, SD 57025
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. 6000-3

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

50 00

50 00

By Shirley E. Eide (signature)
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

APR 10 2000

6000-3

Burdette Hanson
31713 475th Ave.
Elk Point, SD 57025

Dear Mr. Hanson:

Enclosed is Water License No. 6000-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 416386 in the amount of \$50.00 which you paid for the investigation 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. 6000-3, 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,

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

ks
enclosures

c: Wayne Heckathorn, 31792 473rd Ave., Elk Point, SD 57025

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 6000-3

(1) Burdette Hanson, 31713 475th Ave, Elk Point SD 57025 made Application No. 6000-3, May 2, 1997 for a water permit to divert 0.57 cubic feet of water per second (cfs) from groundwater (one well), Union County, South Dakota for irrigation purposes. Permit No. 6000-3, with a priority date of May 2, 1997 was approved July 7, 1997 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

Water Right No. 4543-3 with a priority date of July 25, 1980 authorizes 2.88 cfs to irrigate 289 acres. The 33 acres authorized by No. 6000-3 allows the pivot under by No. 4543-3 to make a complete rotation and is operated as one system.

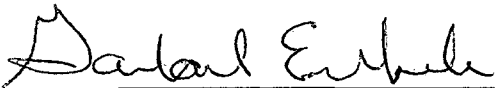
*Combinations of diversions by Nos. 4543-3 and 6000-3 can not exceed 2.88 cfs as authorized by No. 4543-3.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system. The location of the diversion point is 2,970 feet north and 1,320 feet east of the southwest corner of Section 35-T92N-R50W (S ½ NW ¼).

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

Section 35-T92N-R50W SW ¼ SE ¼ 33 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Burdette Hanson, 31713 475th Ave, Elk Point SD 57025 the holder and/or owner of Water Right No. 6000-3 is issued a license to appropriate water, the right to use no additional* water from groundwater (one well) with a priority date of May 2, 1997 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 Water Right No. 6000-3 and subject to South Dakota State Law.



GARLAND ERBELE, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

APR 10 2000

date





6000-3
**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL

PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

January 14, 2004

NOTICE

TO: WAYNE HECKATHORN, 31792 473RD AVE, ELK POINT, SD 57025

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2003 Irrigation Questionnaires

Our records indicate that the 2003 Irrigation Questionnaires have not been submitted for Permit Nos. 4543-3, 6000-3 & 6222-3, 1256-3, 2535-3, 2896-3, 4393-3 & 4534-3. The request for the Questionnaires was dated October 17, 2003. The Water Management Board has directed that owners of water permits who have not submitted the 2003 Irrigation Questionnaires be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine if Permit No(s) 1256-3, 2535-3, 2896-3, 4393-3 & 4534-3 should be amended to require the Questionnaire to be submitted each year and to determine action to be taken for violation of Water Permit No(s) 4543-3, 6000-3 & 6222-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at 8:30 am, March 3, 2004 in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD, and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

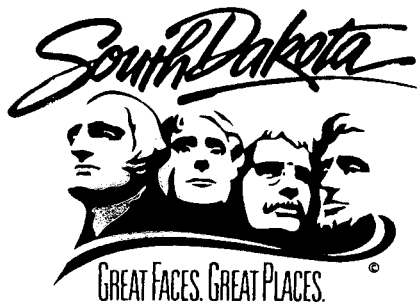
1. Suspend or cancel Permit No(s) 4543-3, 6000-3 & 6222-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Amend Permit No(s) 1256-3, 2535-3, 2896-3, 4393-3 & 4534-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
3. Postpone any action or take no action.

The hearing is an adversary proceeding. The permit owner 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. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaires are received in this office on/or before February 27, 2004, you will no longer be in violation of your permit and your name will be deleted from the Board agenda. If you have questions or need assistance in completion of the irrigation questionnaire(s), please contact Genny McMath (605) 773-3352.

cc: LYLE WAGNER, 1019 RIDGECREST, VERMILLION, SD 57069

Note: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



6000-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 21, 2004

Wayne Heckathorn
31792 473rd Ave
Elk Point SD 57025

Dear Mr. Heckathorn:

I am writing to acknowledge receipt of your 2003 irrigation questionnaires. You may disregard the January 14, 2004, "Notice" concerning reporting requirements for Water Permit or Right Nos. 1256-3, 2535-3, 2896-3, 4393-3, 4534-3 4543-3, 6000-3 & 6222-3.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

c: Lyle Wagner, 1019 Ridgecrest, Vermillion SD 57069

McMath, Genny

Subject: FW: [EXT] Change of Address

The message below goes with 1256-3, 2535-3, 2896-3, 4393-3, 4534-3, 4543-3, 6000-3 & 6222-3

From: Risa Hanson <risa@heckseeds.com>
Sent: Wednesday, December 7, 2022 10:43 AM
To: McMath, Genny <Genny.McMath@state.sd.us>
Subject: [EXT] Change of Address

Hi Genny,
We would like to change the address for Wayne Heckathorn so that he can receive the irrigation questionnaires at the office rather than at his home.

His home address is 31792 473rd Ave., Elk Point, SD 57025

The office address is 47663 SD Hwy 50, Elk Point, SD 57025

If you can help us with that, we'd surely appreciate it.

--

Risa Hanson
Bookkeeper
Heckseeds



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

6000-3

June 23, 2023

Wayne Heckathorn
31792 473rd Ave
Elk Point SD 57025

6000-3

Dear Mr. Heckathorn:

I am writing in regard to Water Right No. 6000-3, that you operate under. The water right authorizes diversion of water from groundwater, one well, Union County, for the irrigation of 33 acres in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 35, T92N, R50W.

In reviewing your 2022 irrigation questionnaire, we have found discrepancies in the amount of water used and have some concerns. Enclosed is a copy of your questionnaire for reference purposes.

Water Right No. 6000-3 allows you to use up to 2 acre-feet (ac-ft) (24 inches) of water, per acre, per year. On the questionnaire you reported substantially more water use. The following information is what was reported and what is authorized:

- 33 acres irrigated
- Reported water use – 128.6 ac-ft of water (approximately 47 inches)
- Authorized water use – 66 acre-feet (33 acres x 2 ac-ft per year)

We realize that water use depends greatly on climactic conditions and may vary year to year. However, it is very rare that irrigators come close to the 24 inches per acre that is authorized. Typical water use is between 8 and 12 inches per acre. Often, irrigators do not keep track of their days or hours actually pumped and estimate numbers for the questionnaires in an effort to get them completed and back in on time. While we appreciate returning the forms in a timely manner each year, we need the forms to reflect accurate information to ensure everyone is limiting their use to the amount of water appropriated to them.

The information we receive each year from irrigators across the state is very valuable. The water use data supplied by irrigators is one of the tools we use to help determine whether an aquifer or stream is nearing full appropriation.

If you do in fact apply as much water as claimed on your questionnaire, you are exceeding the limits of your water right and will have to reduce your discharge to stay within the authorized limit. If you simply estimated your water use, we ask that you please ensure the information reported is as accurate as possible. As stated before, the information you provide to us is very valuable. If you have any questions, please contact me.

Sincerely,

Amanda Dewell

Water Rights Program
605 773-3352

Amanda.Dewell@state.sd.us