

WATER PERMIT NO. 6415-3

Name of Applicant: **Maurice Hoffman, Hoffman Farms**

Address: **13754 323 Ave, Bowdle SD 57428** Phone: **605 285-6346**

Amount of Water Claimed: **1.78 cfs** Total Acres: **130**

Source of Water Supply: **groundwater (3 wells)**

Water to be used for: **irrigation** County: **Edmunds**

Type of Waste Disposal System:

Location: **2 miles southwest of Bowdle**

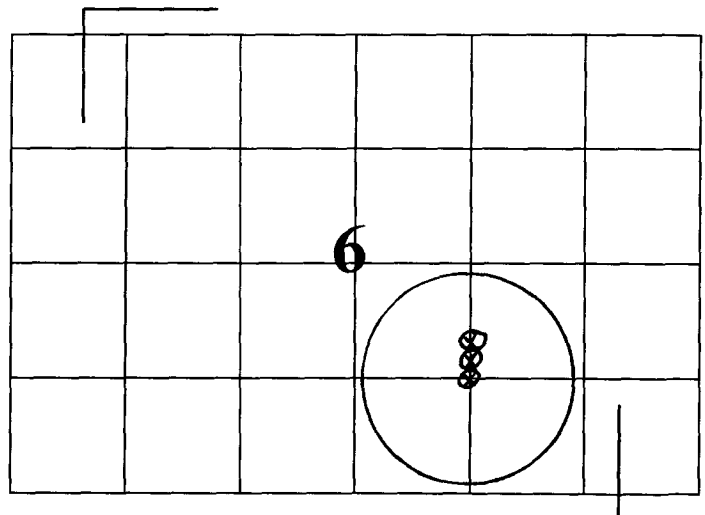
PRIORITY Date Received: **5-1-03** Application/License Fee: **\$300**

Corrected Application Received: Period of Annual Use: **April 1 – September 30**

Remarks:

Diversion Point: **center of SE ¼ Sec 6-T122N-R73W**

Land to be Irrigated: **SE ¼ Sec 6-T122N-R73W**



Depth of Well: **45 feet deep**

Well Driller: : **K & C Drilling**

Remarks:

Type of Map: **aerial**

Prepared by: **Kerwian Kehrwald, NRCS**

Reviewed and the Number Assigned on: **5-1-03**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

MAY - 1 2003

WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6415-3</u> (office use only)
	Hydrologic Unit <u>10130105</u>
	Basin <u>Missouri River</u>
	Newspaper <u>Bowdle Pioneer, Bowdle</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.)

- Name of Applicant Maurice Hoffman / Hoffman Farms Phone 605-285-6346
(check one) X Owner X Tenant/lessee
Mailing Address 13754 323 Ave. Bowdle State S.D. 57428
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.78 *CFS or 800 **GPM 220 ***AF Total Acreage 130
(*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply 3 wells
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) SE 1/4 6-122-73
#1 - Center of SE 1/4 of center #2 - 500' N. of center #3 - 1000' N.
County
- County or counties where water will be used Edmunds
- Annual period during which water is to be used April - Sept. 30
- 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
NW 1/4 SE 1/4 6-122-73	32 1/2		
SW 1/4 SE 1/4 6-122-73	32 1/2		
NE 1/4 SE 1/4 6-122-73	32 1/2		
SE 1/4 SE 1/4 6-122-73	32 1/2		

- Give a description of the project. (Attach sheet if more space is needed)

STATE OF SOUTH DAKOTA) SS

County of Edmunds

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, Maurice Hoffman, 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.

Applicant's signature Maurice Hoffman

Subscribed and sworn to before me this 16th day of April 2003

Roger D. Schipke
Notary Public signature

3-9-04

**SOUTH DAKOTA
WATER PERMIT NO. 6415-3**

Date of first receipt of application May 1, 2003.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6415-3 to Maurice Hoffman, Hoffman Farms, 13754 323 Ave, Bowdle SD 57428 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. 6415-3 appropriates 1.78 cubic feet of water per second from three wells (Bowdle Edmunds Aquifer) 45 feet deep located near the center of the SE ¼ Section 6 to irrigate 130 acres located in the SE ¼ Section 6; all in T122N-R73W.
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 – September 30.
3. The date from which applicant may claim right is May 1, 2003.
4. The date of approval of Permit No. 6415-3 is July 14, 2003.
5. One-fifth of the construction is to be completed on or before January 14, 2006.
6. All construction is to be completed on or before July 14, 2008.
7. Water is to be put to beneficial use on or before July 14, 2012.
8. 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 wells 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. The wells authorized by Permit No. 6415-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

SEP 11 2003
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 28" Depth 45'
- b) Casing Type PVC Sch 60 Diameter 16" Thickness .675
- c) Screen Type Slot + ted Diameter 16" Thickness .675
- d) Gravel Pack Buckshot on fine Length of Gravel Pack top of water bearing formation
- e) Depth to Top of Water Bearing Material est. 18'
- f) Depth to Water (ground surface to water level) est. 18'
- g) Distance to nearest existing domestic well:
- On applicants property 1500' On property owned by others 1 mile

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

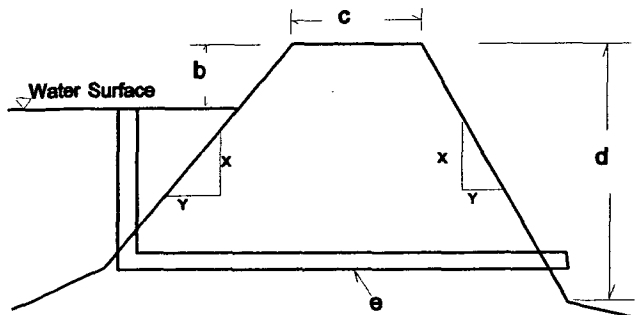
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date May 1, 20 03

RECEIVED OF Hoffman Farms Partnership, 13754 323 Ave., Bowdle SD 57428

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

Fee for Application for Permit No. <u>6415-3</u> to Appropriate Water, to construct and to put water to beneficial use	250	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. <u>6415-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	300.00

No.

000737

By

Darland Ebel
Chief Engineer *gme*

MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP

South east 1/4 of Section 6
T122N - R73 W outlined in red.

Kenneth Fehrekeel DC, NRES

T1031

T500

A-8

① 147.5

① 102.5
6-122-73

T1593

T602

T499

Well
Well
Well
↓ 500'
↓ 500'

① 147.5

18.2 18.2 18.2 18.2
① ② ③ ④

① 780

T498

T501

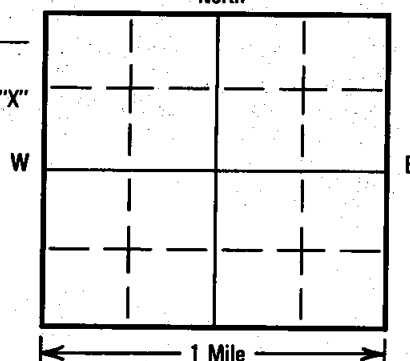
A-8

6415-3

07-92

North

Please mark well location with an "X"



Well Completion Date 12-22-03

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.): 1/2 mi. ft. from old barn, feed (identify source)

☐ Domestic/Stock ☐ Municipal ☐ Business ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

Describe grouting procedure water fill

Other information _____

Describe packer(s) and location? _____

Was well disinfected upon completion? YES, How: NA
NO, Why Not? NA

Laboratory sent to for water quality analysis

Well Owner: Maurice Hoffman
Business Name: Hoffman Farms
Address: 13754 323 A,
Browdle, S.D. 57428

FORMATION	FROM	TO
gravel - brown coarse rocky	0	17
Sand dark coarse	17	45
clay gray	45	50
60' beneath of vent		
gravel - coarse rocky	40	47
Sand - coarse dark	17	46
clay blue	40	50
100' b. vent.		
gravel - coarse rocky	0	16
sand coarse - dark	18	40
clay blue	40	50

Can well be completely shut in? _____

If pump installed, pump rate _____ GPM

WATER RIGHTS
PROGRAM

Signature of Well Owner or Equitable Property Holder:

Maurice LeBlond

44231-3

REPORT ON WATER PERMIT NO. 6415-3
For Maurice Hoffman for Hoffman Farms
May 22, 2003

Application No. 6415-3 proposes to appropriate 1.78 cfs (800 gpm) from three wells approximately 45 feet deep located near the center of the SE $\frac{1}{4}$ of section 6 to irrigate 130 acres located in the SE $\frac{1}{4}$ of section 6; all in T122N R73W in Edmunds County.

AQUIFER – BOWDLE EDMUNDS (B-E)

The Bowdle Edmunds is a surficial outwash (sand and gravel) which is under water table conditions in this area. The aquifer underlies 36,000 acres and contains an estimated 108,000 acre-feet of recoverable water in storage in Edmunds County (Hedges, 1982). The aquifer extends into Walworth County to the west and south and ground water movement appears to be from north to south across this area (Kume, 1987).

Test well information filed with the application indicates gravel from the surface to a depth of 40 to 46 feet below land surface. The water levels were reported to be about 17 feet below land surface. No test pumping information is available but the data indicates the saturated thickness is over twenty feet. This means a properly completed well could be expected to yield 200 to 400 gpm. Estimates in the county study indicate a potential well yield may approach 500 gpm for this aquifer (Hamilton, 1982).

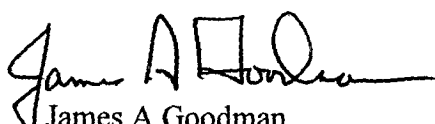
The Water Rights Program monitors two observation wells completed into the Bowdle Edmunds aquifer within a two mile radius of this application. These are observation wells ED-75A and WL-75U. Water levels for these wells show good correlation with climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. Hydrographs for these two wells are included with this report (Water Rights, 2003). In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are no other existing water permits/rights within two miles of this application. The nearest water rights for water from the Bowdle Edmunds aquifer are for the City of Bowdle located in section 28 or about three miles northeast of this application. Interference is not a concern. Drawdown created by pumping should not be significant nor extend very far from an individual production well. Interference is not a concern.

CONCLUSIONS

1. Water is available from the Bowdle Edmunds aquifer.
2. The aquifer is under water table conditions and drawdown will not be significant. Interference is not a concern.
3. The wells authorized by this application must be constructed in accordance with SD Well Construction Standards.


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

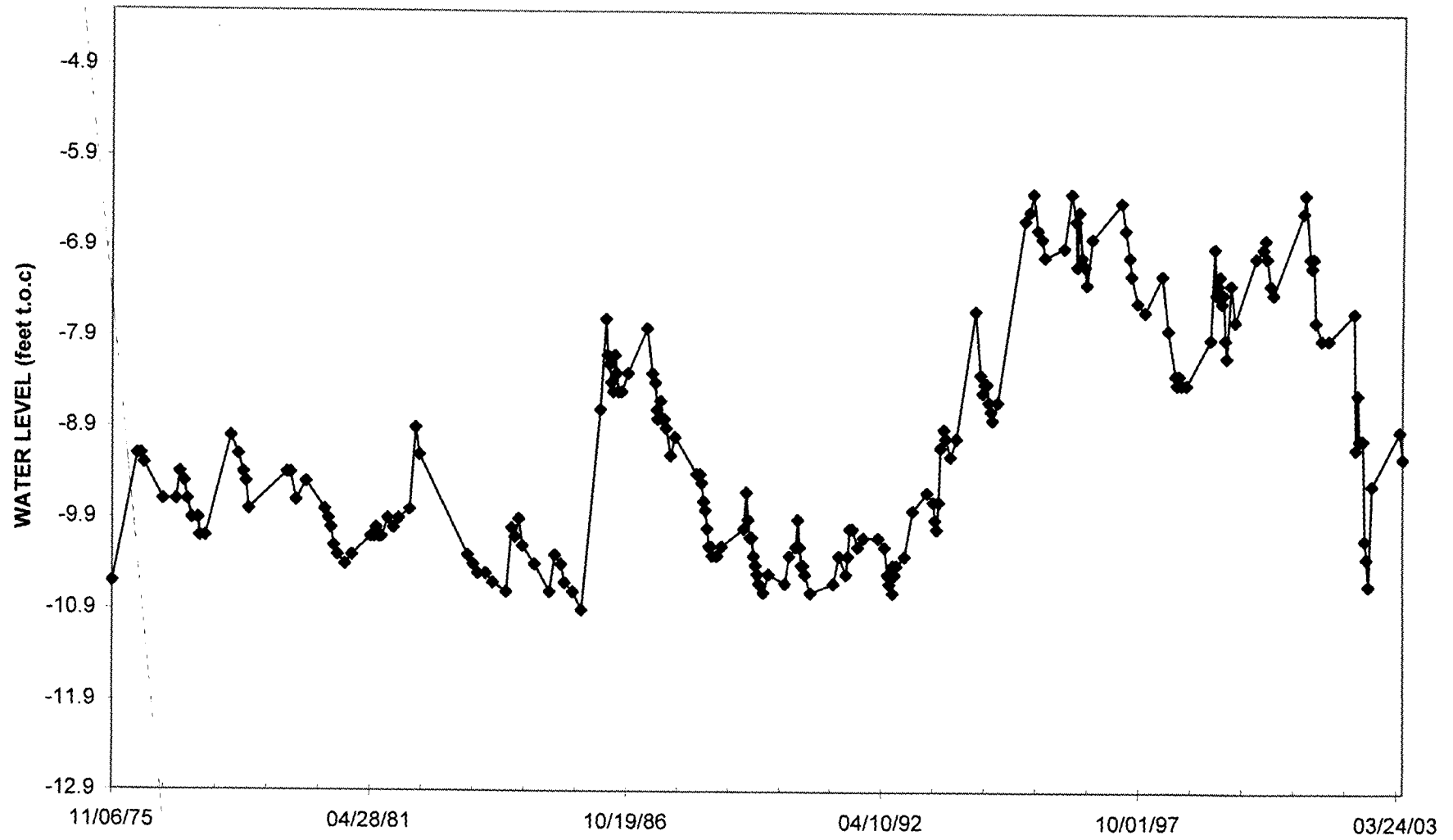
Hamilton, L.J., 1989, Geology and Water Resources of McPherson, Edmunds, and Faulk Counties, South Dakota, Bulletin 26, SD DENR, SDGS, Vermillion, SD, 57069.

Hedges, L.S., et al., 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

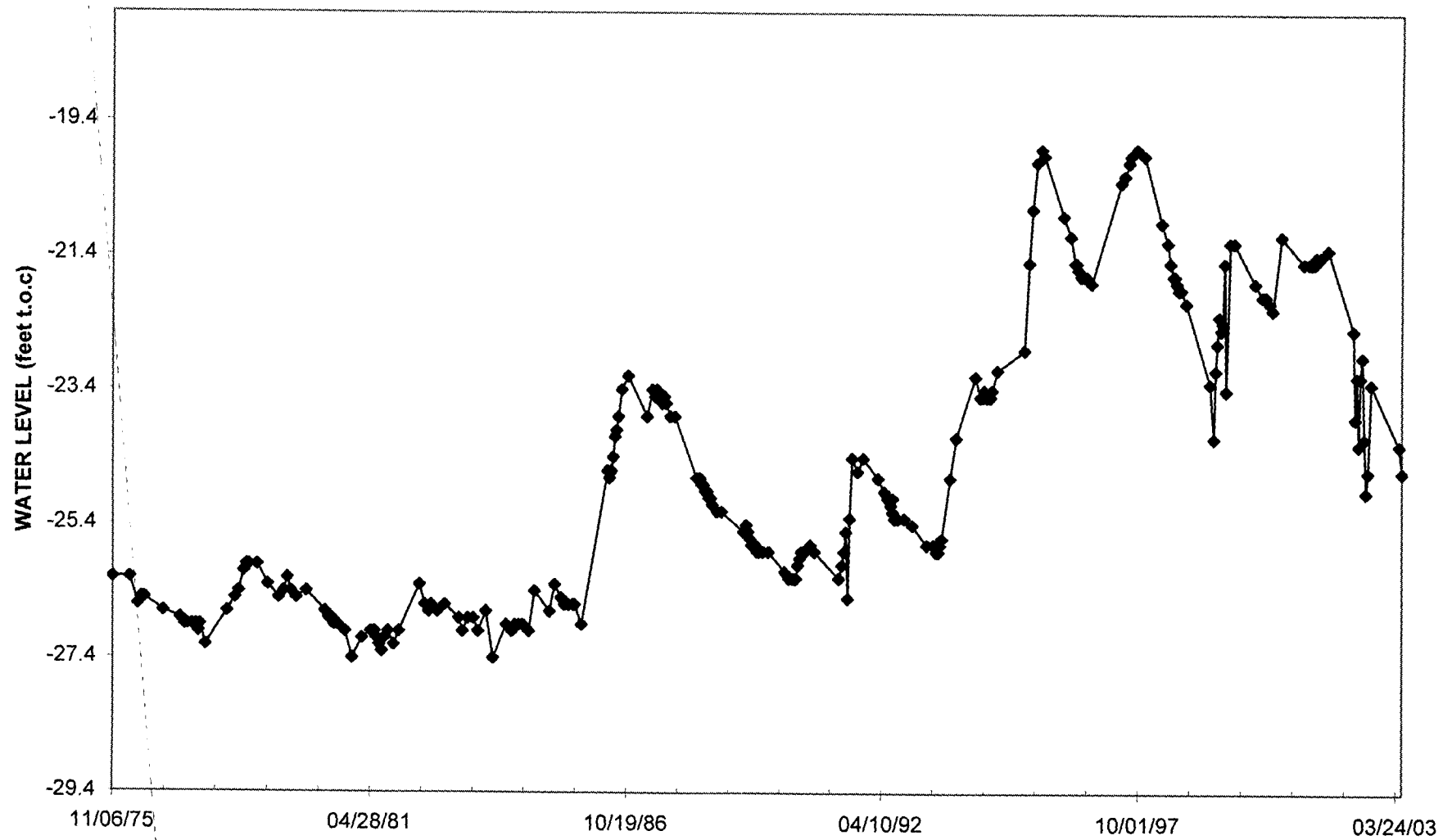
Kume, J., L. Howells, 1987, Water Resources of Walworth County, South Dakota, Water Resources Investigations Report 85-4015, USGS, Huron, SD, 57350.

Water Rights, 2003, Unpublished Observation Well Records for the Bowdle Edmunds Aquifer, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
ED-75A



WATER RIGHTS' OBSERVATION WELL
WL-75U





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6415-3, Hoffman Farms**

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. 6415-3, Hoffman Farms, c/o Maurice Hoffman, 13754 323 Avenue, Bowdle SD 57328.

The Chief Engineer is recommending APPROVAL of Application No. 6415-3 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) it is in the public interest with the following qualifications:

1. The wells 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. The wells authorized by Permit No. 6415-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
June 16, 2003

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of EDMUNDS) SS

I, MARY LOU GAUER

certify that the attached printed Notice was taken

from the BOWDLE PIONEER

printed and published in BOWDLE

County of EDMUNDS and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

Thursday, June 26, 2003

Thursday, July 03, 2003

Cost of Printing \$40.45


(Signature)

PUBLISHER/EDITOR
(Title)

07/03/03
(Date Signed)

NOTICE OF APPLICATION NO. 6415-3 TO APPROPRIATE WATER

NOTICE IS GIVEN That Maurice Hoffman, Hoffman Farms, 13754 323rd Avenue, Bowdle, SD 57428, has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from three wells (Bowdle Edmunds Aquifer) 45 feet deep located near the center of the SE1/4 Section 6 to irrigate 130 acres located in the SE1/4 Section 6; all in T122N-R73W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6415-3 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 14, 2003.

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.

Steven M. Pirner, Secretary
Department of Environment
and Natural Resources
Published: 06/26/03 & 07/03/03

RECEIVED

JUL 14 2003

WATER RIGHTS
PROGRAM

Instruction to Newspaper - Publish first Notice on June 26, 2003 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6415-3 to Appropriate Water

Notice is given that Maurice Hoffman, Hoffman Farms, 13754 323 Ave, Bowdle SD 57428 has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from three wells (Bowdle Edmunds Aquifer) 45 feet deep located near the center of the SE ¼ Section 6 to irrigate 130 acres located in the SE ¼ Section 6; all in T122N-R73W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6415-3 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.

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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. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

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

June 17, 2003

Maurice Hoffman
Hoffman Farms
13754 323 Ave
Bowdle SD 57428

Dear Mr. Hoffman:

Water Permit Application No. 6415-3 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 Bowdle Pioneer printed at Bowdle, SD (Ph # 605-285-6101). You will need to contact the newspaper and authorize publication of this notice. 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.

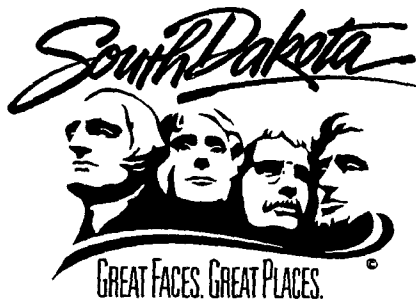
Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has also 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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 17, 2003

Bowdle Pioneer
PO Box 368
Bowdle SD 57428-0368

ATTENTION: Legal Public Notice

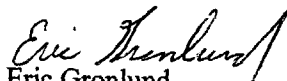
Enclosed is a Notice of Hearing on Application No. 6415-3 to Appropriate Water to be published twice. Please publish the first notice on June 26, 2003 with the second publication 7 days later.

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 Maurice Hoffman, Hoffman Farms, 13754 323 Ave., Bowdle SD 57428 (Ph # 605-285-6346).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 6415-3

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

Date _____

We are in receipt of your letter of June 17, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 6415-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

SEP 11 2003

Maurice Hoffman
Hoffman Farms
13754 323 Ave
Bowdle SD 57428

Dear Mr. Hoffman:

Enclosed is Water Permit No. 6415-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

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

enclosures

6415-3

**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**

Date 5/29/2008

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM: Hoffman Farms Co Maurice Hoffman
(name)
13754 323rd Ave
(address)
Bowdle, SD 57428 (605)285-6346
(city, state, zip) (phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

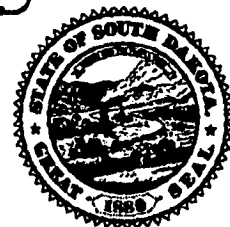
Water Permit No. 6415-3 states that the water use system is to be constructed by
7/14/2008, and water is to be put to beneficial use by 7/14/2012.
(date) (date)

The water use system was completed on 5/1/2003.
(date)

Applying the water to beneficial use was completed on 6/1/2003.
(date)

You may schedule an investigation so that the water license may be issued.

Hoffman Farms by Maurice Hoffman



Water Permit No. 6415-3
Edmunds County

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 19, 2013 made a thorough examination of the water system used by Hoffman Farms, 13754 323rd Ave, Bowdle, SD 57428, holder of Water Permit No. 6415-3, bearing the priority date of May 1, 2003. Water Permit No. 6415-3 authorizes the diversion of 1.78 cubic feet per second (cfs) from three wells completed into the Edmunds Management Unit of the Bowdle aquifer at approximately 40 to 45 feet below ground surface for the purposes of irrigating 130 acres in Edmunds County as follows: 30 acres in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 5, 30 acres in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 5, 35 acres in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 5, 35 acres in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 5, all in T122N-R73W.

I have the following conditions to report for the system in question:

- 1) Works used to divert water:
Three irrigation pumps, manufacturer unknown.
- 2) Works used to transport water to a place of use:
Underground pipes.
- 3) Works used to apply water to beneficial use:
One Valley 8000 Pivot

The system is in the following condition: well maintained. The wells are in the following locations:

- 1) **1,300 feet north and 1,300 feet west of the southeast corner of Section 6, T122N-R73W.**
Lat 45.41216N Lon 99.69337N.
- 2) **1,950 feet north and 1,300 feet west of the southeast corner of Section 6, T122N-R73W.**
Lat 45.41051N Lon 99.69332N.
- 3) **2,600 feet north and 1,300 feet west of the southeast corner of Section 6, T122N-R73W.**
Lat 45.41216N Lon 99.69331N.

The lands irrigated by the fore mentioned well are as follows:

- 1) **32.5 acres in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 6, T122N-R73W.**
- 2) **32.5 acres in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 6, T122N-R73W.**
- 3) **32.5 acres in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 6, T122N-R73W.**
- 4) **32.5 acres in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 6, T122N-R73W.**

For a total of 130 acres.

License should be issued for the diversion rate of: **1.67 cfs or 750 gpm.**

Applicable permit qualifications have been complied with: **Yes**

Exceptions to compliance are: **None**

Date Report Completed: **June 17, 2015**



Bracken Capen
Natural Resources Engineer
DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR WATER PERMIT NO. 6415-3

DATE OF INVESTIGATION:	August 19, 2013
NAME & ADDRESS OF PERMIT HOLDER	Maurice Hoffman 13754 323rd Ave. Bowdle, SD 57428
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Maurice Hoffman
DIVERSION POINT LEGAL LOCATIONS	1) 1,300 feet north and 1,300 feet west of the southeast corner of Section 6, T122N-R73W. Lat 45.41216N Lon 99.69337N. 2) 1,950 feet north and 1,300 feet west of the southeast corner of Section 6, T122N-R73W. Lat 45.41051N Lon 99.69332N. 3) 2,600 feet north and 1,300 feet west of the southeast corner of Section 6, T122N-R73W. Lat 45.41216N Lon 99.69331N.

WELL INFORMATION:

- 1) Well Drilling Firm: **K+K Well Drilling**
- 2) Number of Wells: **3**
- 3) Depth: **40 to 50 feet**
- 4) Well Log Available: **Yes, all 3**
- 5) Comment:

Pumps

- 1) Make: **Unknown**
- 2) Model:
- 3) Size:
- 4) Capacity: **250 gpm for each well**

Casing

- 1) Diameter: **10 inches**
- 2) Length: **20 to 30 feet**
- 3) Type: **Plastic**

Screen

- 1) Type: **Manufactured**
- 2) Length: **20 feet for all 3 wells**
- 3) Static Water Level: **12 to 13 feet**

Motor

- 1) Make: **Unknown**
- 2) Model No:
- 3) Power: **15 hp for all three motors**

System Type

- 1) Make: **Valley 8000**
- 2) Overall length: **1,300 feet**
- 3) Number of Towers: **7 towers**
- 4) Distance Between Towers:
- 5) End Gun:
- 6) Pressure:
- 7) Capacity: **750 gpm**

CHEMIGATION EQUIPMENT: No

- 1) Mainline Check Valve:
- 2) Low Pressure Drain:
- 3) Inspection Port/Air Relief:
- 4) Discharge 20 Feet Away:
- 5) Injection Line Check Valve or Positive Displacement Pump:
- 6) Injection Check Valve:
- 7) Properly Installed:

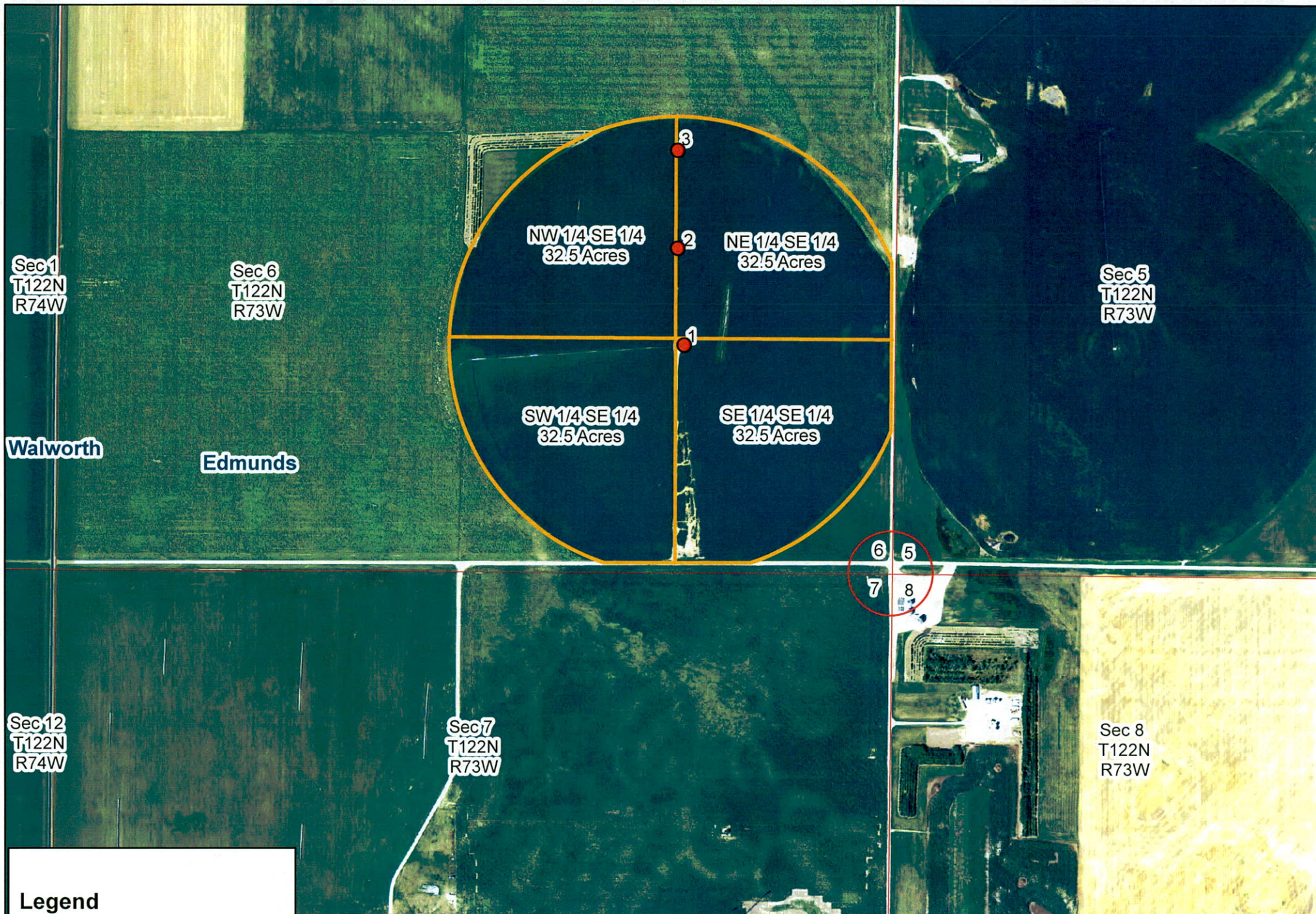
PERMIT QUALIFICATIONS:

- 1) Special qualifications to permit being abided by: **N/A**
- 2) All structures, wells, and lands on map: **Yes**
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period: **Reported irrigation from 2004 to present.**

07-92

1 Mile

Date _____



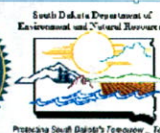
Legend

- Irrigated_Acres
- Section Boundaries - PLSS
- Well Locations



0 0.05 0.1 0.2 Miles

Prepared by Bracken Capen
Natural Resources Engineer
DENR, Water Rights Program





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

JUN 19 2015

6415-3

Maurice Hoffman
Hoffman Farms
13754 323rd Ave
Bowdle SD 57428

Dear Mr. Hoffman:

Enclosed is Water License No. 6415-3. 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 wells authorized by Water Right No. 6415-3, 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 cursive script that reads "Jeanne Goodman".

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6415-3**

(1) Maurice Hoffman, Hoffman Farms, 13754 323rd Ave, Bowdle SD 57428 made Application No. 6415-3, May 1, 2003 for a water permit to divert 1.78 cubic feet of water per second from ground water (three wells, Bowdle Edmunds Aquifer), Edmunds County, South Dakota for irrigation purposes. Permit No. 6415-3, with a priority date of May 1, 2003 was approved July 14, 2003 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 14, 2008 and for the application to beneficial use of said water on or before July 14, 2012.

(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 and is entitled to divert 1.67 cubic feet of water per second for beneficial use. The location of the diversion points are:

- 1,300 feet north & 1,300 feet west of the SE corner of Section 6, T122N, R73W (approximate center of the SE ¼)
- 1,950 feet north & 1,300 feet west of the SE corner of Section 6, T122N, R73W (NE ¼ SE ¼);
- 2,600 feet north & 1,300 feet west of the SE corner of Section 6, T122N, R73W (NE ¼ SE 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 6, T122N, R73W	NW ¼ SE ¼	32.5 acres
	SW ¼ SE ¼	32.5 acres
	NE ¼ SE ¼	32.5 acres
	SE ¼ SE ¼	32.5 acres
Total		130.0 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Maurice Hoffman, Hoffman Farms, 13754 323rd Ave, Bowdle SD 57428 the holder and/or owner of Water Right No. 6415-3 is issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from ground water (three wells, Bowdle Edmunds Aquifer) with a priority date of May 1, 2003 from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 6415-3 and subject to the following qualifications:

- The wells 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.
- The wells authorized by Permit No. 6415-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28. *All three wells were constructed in 2003 by K & K Well Drilling. Copies of the logs are on file with the Water Rights Program.*
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 19 2015

date

