

WATER PERMIT NO. 7296-3

Name of Applicant: Ed Aderhold

Address: 18345 458th Ave, Castlewood SD 57223

Phone: 605 793-2647

Amount of Water Claimed: 1.33 cfs

Total Acres: 110 acres

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Hamlin

Type of Waste Disposal System:

Location: ½ miles west of Castlewood

PRIORITY

Date Received: 12-21-11

Application/License Fee: \$ 950

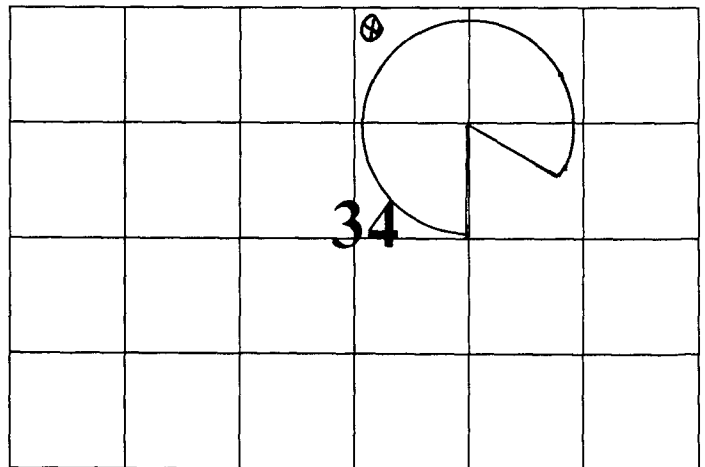
Corrected Application Received:

Period of Annual Use: June 1 – August 31

Remarks:

Diversion Point: NW ¼ NE ¼ Sec 34-T115N-
R52W

Land to be Irrigated: NE ¼ Sec 34-T115N-R52W



Depth of Well: 30

Well Driller: Kaiser Well Drilling

Remarks:

Type of Map: aerial

Prepared by: ? Hamlin Co FSA

Reviewed and the Number Assigned on: 12-21-11

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

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

Mail to:
PMB 2020
DENR - Water Rights
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

(office use only)
No. 7296-3 Hydrologic Unit 10170202
Basin Sioux River
Newspaper The Hamlin County Republican
PO Box 50 Castlewood, S.D. 57223

RECEIVED
DEC 21 2011
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ 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 Ed Aderhold Phone 605-793-2647

(check one) ☒ Owner ☐ Tenant/lessee

Mailing Address 18345 458th Ave Castlewood SD 57223
(Address) (City) (State) (Zip Code)

2. Amount of water claimed 1.33 *CFS or 600 **GPM ***AF Total Acreage 110
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply New Well

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Hamlin
NW 1/4 NE 1/4 Section 34 T115N R52W

5. County or counties where water will be used Hamlin

6. Annual period during which water is to be used June 1 - August 31

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
<u>NW 40 NE 1/4 Sec 34 115 R9 52W</u>	<u>33</u>		
<u>NE 40 NE 1/4 Sec 34 115 R9 52W</u>	<u>33</u>		
<u>SW 40 NE 1/4 Sec 34 115 R9 52W</u>	<u>28</u>		
<u>SE 40 NE 1/4 Sec 34 115 R9 52W</u>	<u>16</u>		

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

Center pivot (see map)

STATE OF SOUTH DAKOTA)

County of Hamlin) SS

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

I, Edward Aderhold, 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 Edward Aderhold

Subscribed and sworn to before me this 20th day of December 20 11

Amanda Rudebusch
Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 7296-3**

Date of first receipt of application December 21, 2011.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7296-3 to Ed Aderhold, 18345 458th Ave, Castlewood SD 57223 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. 7296-3 appropriates 1.33 cubic feet of water per second from one well to be completed into the Big Sioux: Brookings Aquifer (30 feet deep) located in NW 1/4 NE 1/4 Section 34 for irrigation of 110 acres located in the NE 1/4 Section 34; all in T115N-R52W.
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: June 1 – August 31.
3. The date from which applicant may claim right is December 21, 2011.
4. The date of approval of Permit No. 7296-3 is February 27, 2012.
5. One-fifth of the construction is to be completed on or before August 27, 2014.
6. All construction is to be completed on or before February 27, 2017.
7. Water is to be put to beneficial use on or before February 27, 2021.
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 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. The well authorized by Permit No. 7296-3 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

APR 25 2012
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 24" Depth 30'
- b) Casing Type PVC Diameter 16" Thickness Sch 40
- c) Screen Type Stainless Steel Diameter 16" Thickness 1/4"
- d) Gravel Pack Rd Flint 1/4 X 1/8 Length of Gravel Pack 15 Feet
- e) Depth to Top of Water Bearing Material 3.5'
- f) Depth to Water (ground surface to water level) 3.5'
- g) Distance to nearest existing domestic well:

On applicant's property 3000' On property owned by others 2000'

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

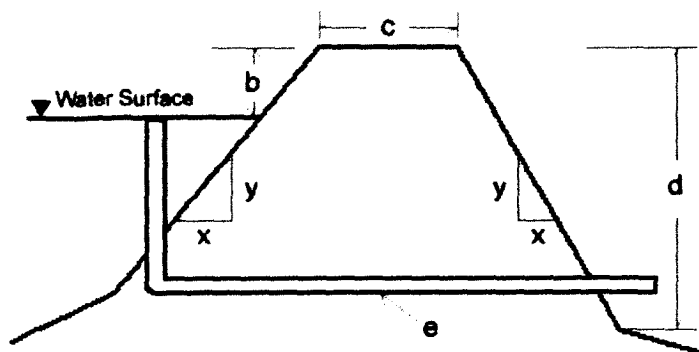
3. Dugout Information

- 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:

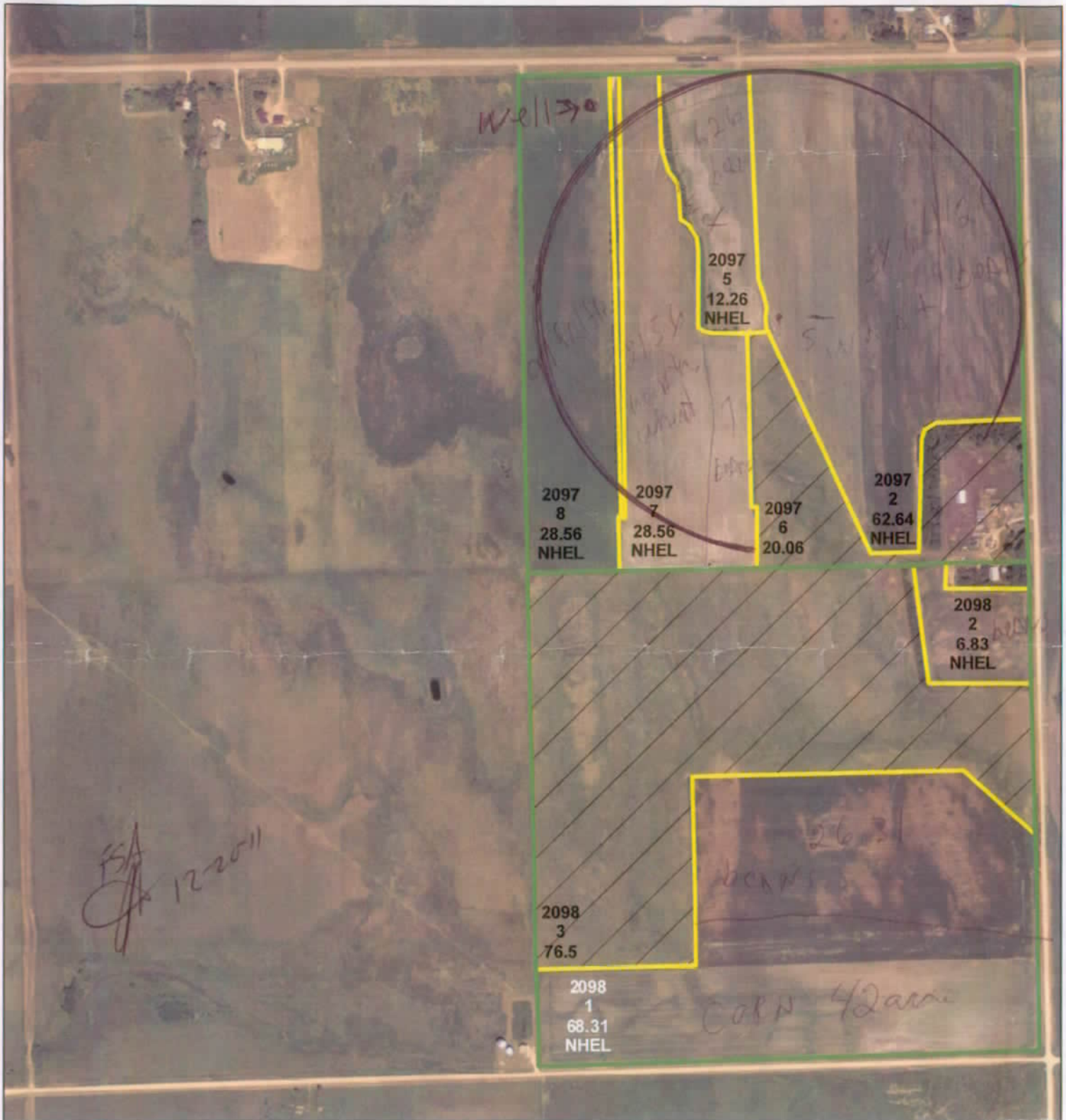


- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres



United States Department of Agriculture Farm Service Agency

my copy



South Dakota
Hamlin County

2009

Farm Number
4208

Township-Range-Section
115N52W34

Legend

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions
- CLU Field Boundary
- Tract Boundary



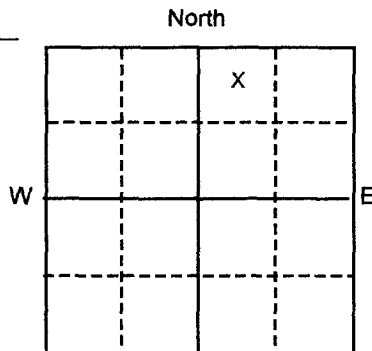
1:8,184

USDA FSA maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or the 2008 orthorectified imagery for South Dakota. The producer accepts the data "as is" and assumes all risks associated with its use. The USDA Farm Service Agency assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside of FSA Programs. Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Mar 30, 2009

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 NE 1/4 Sec 34 Twp 115N Rg 52WCounty HamlinPlease mark well
location with an "X"

Well Completion Date

12-16-11

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary Drill

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
40.0 LB/FT	6.00 IN	0.0 FT	20.0 FT	9.25 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
GroutWellIDF	8	54.0 Lb/gal	0.0 Ft	15.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure _____

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 6.00 Inches Length 10.0 FeetMaterial PVC Sch 40Slot Size 60 Set From 20.0 Feet to 30.0 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? HTH☐ No, Why Not? _____Lab to which water
quality sample sent for analysis _____Well Owner: Ed Aderhold

Business Name: _____

Address: 18345 458th AveCity, State, Zip: Castlewood SD 57223

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	2
Fine Sand- Grey	2	20
Med Mixed Gravel- grey	20	26
Course Gravel-grey	26	30
Yellow Clay	30	35
Blue Clay	35	40

STATIC WATER LEVEL 3.4 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: Submersible pump☐ Bailed☐ Other

Pumping Level Below Land Surface

11.0 Ft. After 4.0 Hrs. pumped 316.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

Test hole for irrigation

RECEIVED

DEC 21 2011

WATER RIGHTS
PROGRAMThis well was drilled under license # 689 and this
report is true and accurate.Drilling firm: Kaiser Well Drilling Inc

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder:

Edward AderholdDate: 12-19-11

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

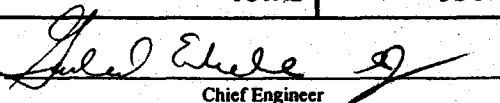
Date 12/21, 20 11

RECEIVED OF Ed Aderhold 18345 458th Ave Castlewood SD 57223

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

Fee for Application for Permit No. <u>7296-3</u> to Appropriate Water, to construct and to put water to beneficial use	750	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>7296-3</u>	200	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	950 00

No. **05155**

By 
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7296-3, Ed Aderhold**

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. 7296-3, Ed Aderhold, 18345 458th Avenue, Castlewood SD 57223.

The Chief Engineer is recommending APPROVAL of Application No. 7296-3 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 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. The well authorized by Permit No. 7296-3 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.

A handwritten signature in dark ink, appearing to read "Garland Erbele".

Garland Erbele, Chief Engineer
February 1, 2012

REPORT ON WATER PERMIT APPLICATION NO. 7296-3

For Ed Aderhold

January 20, 2012

Application No. 7296-3 proposes to appropriate 1.33 cfs (600 gpm) from one well approximately 30 feet deep located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of section 34 for irrigation of 110 acres located in the NE $\frac{1}{4}$ of section 34; all in T115N R52W in Hamlin County.

AQUIFER – BIG SIOUX BROOKINGS (BS-B)

The Big Sioux Brookings is a predominantly surficial outwash (sand and gravel) that is under water table conditions in the area of this application. The aquifer underlies 88,500 acres and contains an estimated 331,880 acre-feet of recoverable water in storage in Hamlin County (Hedges, 1982). The aquifer extends into Brookings County to the south, Deuel County to the east and blends into the Big Sioux North aquifer in northern Hamlin County and then into Codington County further north. Ground water movement is probably from north to south in the area of this application (Kume, 1985) and towards the Big Sioux River. Kume mapped what he called the Big Sioux aquifer and estimated the aquifer underlies 113,920 acres and contains an estimated 480,000 acre-feet of water in storage in Hamlin and Deuel Counties (Kume, 1985). These estimates are very similar to the Hedges estimates considering the details of how these estimates were obtained. The aquifer is hydraulically connected to area lakes, streams and the Big Sioux River. Recharge to the Big Sioux aquifer has been estimated at about 6.57 inches per year (Koch, 1980). Water use from the Big Sioux aquifer in Hamlin County has never approached the estimated volume of recharge available.

A test well log filed with the application indicates sand and gravel from the surface to a total depth of 30 feet. The test well had a static water level of 3.4 feet below land surface and was capable of producing 316 gpm with 7.6 feet of drawdown. This equates to a specific capacity of about 42 gpm/ft of drawdown. With a specific capacity of this magnitude this request for 600 gpm from one well is possible. For sure two wells would easily supply this request.

The Water Rights Program does monitor two observation wells HN-57A located within one-half mile to the north) and HN-77B located about two miles south both from 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 the aquifer is capable of sustaining additional withdrawals (Water Rights, 2012). Hydrographs for these two observation wells are included with this report.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

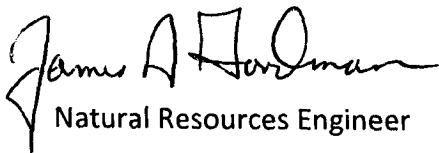
The nearest irrigation permit to this application is located about one mile to the east but is also located on the other side (East) of the Big Sioux River. The next closest irrigation permits on the west side of the river are about two miles to the north. In the SW $\frac{1}{4}$ of section 34, the Sioux

Rural Water System has permits for five wells (plus one across the road to the south in section 3, T114N R52W). The well for this application would be about 3,500 feet north from the closest rural water system well. At this distance between wells and with the relatively high specific capacity drawdown is not expected to be significant nor cause any adverse effects.

CONCLUSIONS

1. Water is available from the Big Sioux Brookings aquifer.
2. The aquifer is under water table conditions and is highly prolific. Testing indicates that at the requested pumping rates drawdown will not be significant. Interference is not a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.

James A Goodman

A handwritten signature in black ink, appearing to read "James A Goodman", written over the printed name and title.

Natural Resources Engineer

BIBLIOGRAPHY

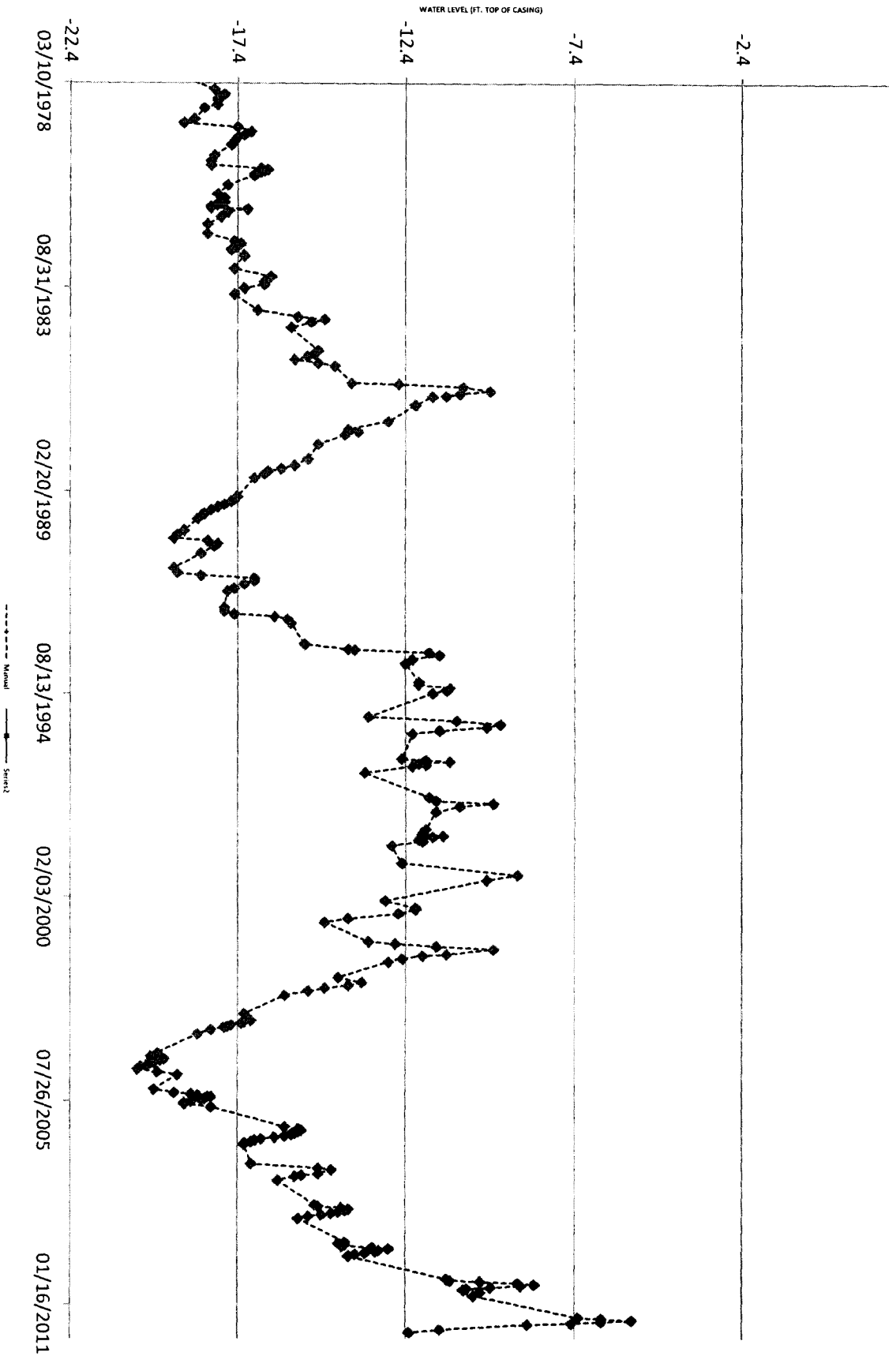
Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Koch, N.C., 1980, Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota, Water-Resources Investigations Report 80-100, USGS, Huron, SD, 57350.

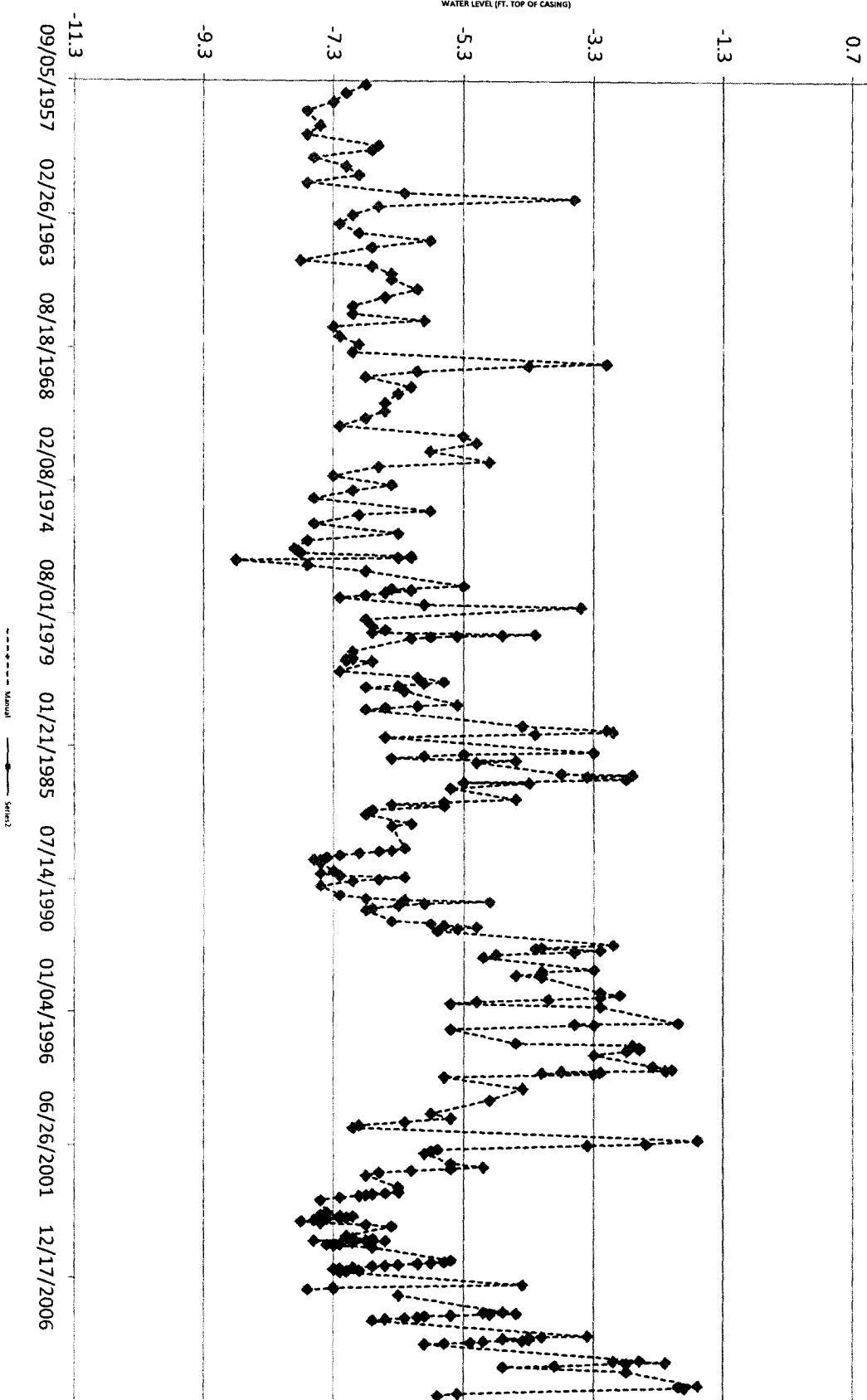
Kume, J., 1985, Water Resources of Deuel and Hamlin Counties, South Dakota, Water-Resources Investigations Report 84-4069, USGS, Huron, SD, 57350.

Water Rights, 2012, Unpublished Observation Well Data for Hamlin County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL HN-77B



WATER RIGHTS' OBSERVATION WELL HN-57A



RECEIVED

FEB 22 2012

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Hamlin) SS

I, Lee Anne Dufek

certify that the attached printed Notice was taken

from the Hamlin County
Republican

printed and published in Castnewood

County of Hamlin and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

Feb. 8, 2012

Feb. 15, 2012

Cost of Printing 39.80

Lee Anne Dufek
(Signature)

President
(Title)

2-15-12
(Date Signed)

NOTICE OF APPLICATION NO.
7296-3 TO APPROPRIATE WATER

Notice is given that Ed Aderhold, 18345 458th Ave, Castlewood SD 57223 has filed an application for a water permit to appropriate 1.33 cubic feet of water per second from one well to be completed into the Big Sioux: Brookings Aquifer (30 feet deep) located in NW 1/4 NE 1/4 Section 34 for irrigation of 110 acres located in the NE 1/4 Section 34; all in T115N-R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7296-3 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 this 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 this 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 February 27, 2012.

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 Feb. 8 and 15, 2012, at total cost of \$39.80.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

February 2, 2012

Hamlin County Republican
PO Box 50
Castlewood SD 57223

ATTENTION: Legal Public Notice

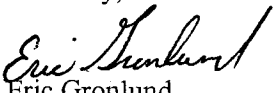
Enclosed is a Notice on Application No. 7296-3 to Appropriate Water to be published twice. Please publish the first notice on February 8, 2012 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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 Ed Aderhold, 18345 458th Ave., Castlewood SD 57223 (Ph # 605-793-2647).

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. 7296-3

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

Date _____

We are in receipt of your letter of February 2, 2012 enclosing Notice to Appropriate Water by Application No. 7296-3 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
denr.sd.gov

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

February 2, 2012

Ed Aderhold
18345 458th Ave
Castlewood SD 57223

Dear Mr. Aderhold:

Water Permit Application No. 7296-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Hamlin County Republican printed at Castlewood SD (Ph #605-793-2293). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications 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 Notices 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. 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 applications.

Sincerely,

A handwritten signature in cursive script that reads 'Eric Gronlund'.

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.

Instruction to Newspaper - Publish first Notice on February 8, 2012 with the second publication 7 days later. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7296-3 to Appropriate Water

Notice is given that Ed Aderhold, 18345 458th Ave, Castlewood SD 57223 has filed an application for a water permit to appropriate 1.33 cubic feet of water per second from one well to be completed into the Big Sioux: Brookings Aquifer (30 feet deep) located in NW ¼ NE ¼ Section 34 for irrigation of 110 acres located in the NE ¼ Section 34; all in T115N-R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7296-3 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 this 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 this 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 February 27, 2012.

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 twice at the total approximate cost of_____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

APR 25 2012

Ed Aderhold
18345 458th Ave
Castlewood SD 7223

Dear Mr. Aderhold:

Enclosed is Water Permit No. 7296-3 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

7296-3
RECEIVED
JUL 26 2012
WATER RIGHTS
PROGRAM

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

Date 7-25-12

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

FROM: Edward Aderhold
(name)
18345 458th AV
(address)
Castlewood, S.D. 57223 605-793-2647
(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.

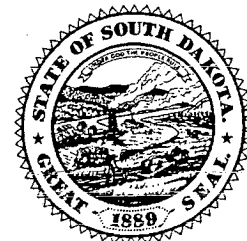
Water Permit No. 7296-3 states that the water use system is to be constructed by 2-27-2017, and water is to be put to beneficial use by 2-27-2021.
(date) (date)

The water use system was completed on 6-25-12.
(date)

Applying the water to beneficial use was completed on 6-26-12.
(date)

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

Edward Aderhold
(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

July 30, 2012

7296-3

Edward Aderhold
18345 458th Ave
Castlewood SD 57223

Dear Mr. Aderhold:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your irrigation system.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

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

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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7296-3

I have this day, **April 1, 2015**, made a thorough examination of the water use system constructed by **Ed Aderhold** of Permit No. **7296-3**, bearing the priority of **December 21, 2011** authorizing the diversion of **1.33** cu. ft. per second of the waters of **Big Sioux Brookings aquifer** for **irrigation** purposes, in **Hamlin** County.

Inspection contact & relationship **Ed Aderhold**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Kaiser Well Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **30** feet
- 4) Well log is available **Yes**

Casing:

- 1) Diameter **16** inches
- 2) Length **20** feet
- 3) Type **Plastic**

Screen:

- 1) Type **Stainless steel**
- 2) Length **10** feet
- 3) Static water level **3.4** feet

Motor/Pump:

- 1) Make **Submersible**
- 2) Size **30 hp**
- 3) Capacity **600** GPM

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

- 1) Type **PVC**
- 2) Size **8** inches
- 3) Length **1,375** feet

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make **Reinke**
- 2) Number of towers **7**
- 3) End gun **Yes, low pressure**
- 4) Capacity **600** GPM

Chemigation Equipment:

- 1) Does chemigate **No**

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by **Yes**
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **Construction period expires in 2017**
- 3) Exceptions to compliance are: **None**

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: Well: 200 feet south and 2,280 feet west from NE corner section 34-T115N-R52W (NW1/4 NE1/4) Longitude - 97.05585, latitude 44.73108.
2. The works are capable of diverting and conveying to the place of use 1.33 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 34-T115N-R52W

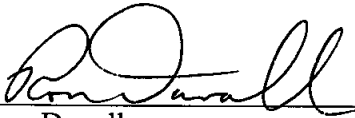
NE1/4 NE1/4 31 acres
NW1/4 NE1/4 31 acres

SW1/4 NE1/4 24 acres
SE1/4 NE1/4 24 acres

comprising a total of 110 acres of land and the license should be issued for 1.33 cfs.

3. All structures, wells and lands on map Yes

F. Comments or other permit(s) associated with the project: None



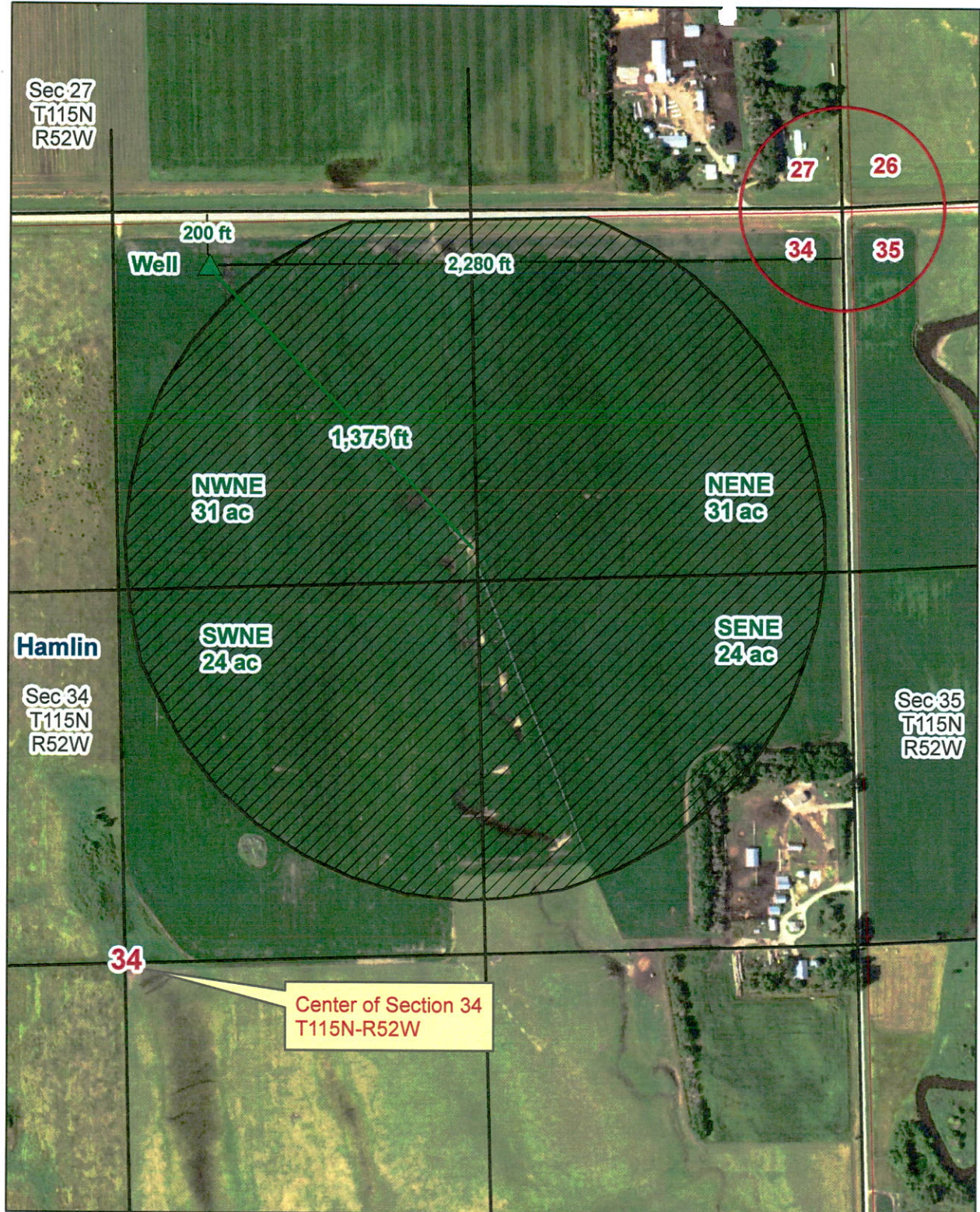
Ron Duvall
Water Rights Permitting Administrator
DENR, Water Rights Program

Date report completed: March 7, 2016

Scale: 1 inch = 534 feet

750

Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by:


Ron Duvall, WR Permitting Administrator
Water Rights Program

Diversion point(s) located using a Garmin eTrex 10 GPS

Date: March 6, 2016

Water Right No. 7296-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAY 03 2016

7296-3

Ed Aderhold
18345 458th Ave
Castlewood SD 57223

Dear Mr. Aderhold:

Enclosed is Water License No. 7296-3. 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. 7296-3, 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,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7296-3**

(1) Ed Aderhold, 18345 458th Ave, Castlewood SD 57223 made Application No. 7296-3, December 21, 2011 for a water permit to divert 1.33 cubic feet of water per second from ground water, one well (Big Sioux Brookings Aquifer), Hamlin County, South Dakota for irrigation purposes. Permit No. 7296-3, with a priority date of December 21, 2011 was approved February 27, 2012 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 27, 2017 and for the application to beneficial use of said water on or before February 27, 2021.

(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 1.33 cubic feet of water per second for beneficial use.

The location of the diversion point is 200 feet south and 2,280 feet west of the NE corner of Section 34, T115N, R52W (NW ¼ NE ¼).

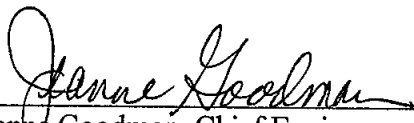
(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 34, T115N, R52W	NE ¼ NE ¼	31 acres
	NW ¼ NE ¼	31 acres
	SW ¼ NE ¼	24 acres
	SE ¼ NE ¼	24 acres
	Total	110 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Ed Aderhold, 18345 458th Ave, Castlewood SD 57223 the holder and/or owner of Water Right No. 7296-3 is issued a license to appropriate water, the right to use 1.33 cubic feet of water per second from ground water, one well (Big Sioux Brookings Aquifer) with a priority date of December 21, 2011 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. 7296-3 and subject to the following qualifications:

- 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.
- The well authorized by Permit No. 7296-3 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. *The well was drilled in December, 2011 by Kaiser Well Drilling Inc. A copy of the well completion report is 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

MAY 03 2016

date





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

September 26, 2024

7296-3

7923-3

Jacob & Lacey Severson
18345 458th Ave
Castlewood SD 57223

Dear Mr. & Ms. Severson:

The Water Rights Program is in receipt of a Notice of Transfer of Ownership form submitted by yourselves for the transfer of Water Right No. 7923-3, held by Ed & Debra Aderhold. While the transfer form was received on September 16, 2024, the transfer fee was not. Ownership of Water Right No. 7923-3 will remain in the names of Ed & Debra Aderhold until the fee has been received.

Additionally, you added acres to the transfer form. The acres you listed are authorized for irrigation under a separate water right. Water Right No. 7296-3, also held by Aderholds, authorizes the irrigation of 110 acres located in the NE ¼ Section 34, T115N, R52W (copy of license enclosed). Since this is a separate water right, a separate transfer form and fee will be required.

For your convenience I have enclosed a partially completed Notice of Transfer of Ownership form for Water Right No. 7296-3. Please complete the highlighted portions and return in the prepaid envelope that has been provided.

The total payment due for transfer of Water Right Nos. 7296-3 & 7923-3 is \$100.00 and can be paid by check (payable to SD Water Rights) or by calling our Fiscal Office and submitting payment over the phone (605) 773-5559.

Please let me know if you have any questions.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

enclosures

7296-3

PAID

OCT 24 2024

Ck# 1688

Rec't#

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DANR
523 E. Capitol
Pierre, SD 57501-3181

No. 7296-3

Date: 10/18/24

I/We request that Water Right No. 7296-3

formerly owned by: Ed Aderhold – Castlewood SD

be transferred to: (name & address) Jacob & Lacey Severson, 18345 458th Ave, Castlewood SD 57223

Email: jacob-severson 51@hotmail.com

Telephone No. 605 690 3917

Title to the following described land(s)/property has been transferred as described above:

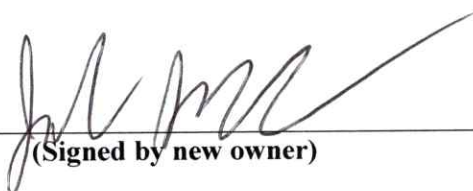
110 acres – NE ¼ Section 34, T115N, R52W

I/We understand that the validity of Water Right No. 7296-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Fifty Dollars (\$50.00) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Jacob Severson, the new owner, certify that the above information is true and correct.


(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIVED

OCT 24 2024

OFFICE OF
WATER

RECEIPT

WATER RIGHTS PROGRAM South Dakota Department of Agriculture and Natural Resources

Date October 25th, 2024

RECEIVED OF Jacob & Lacey Severson 18345 458th Ave Castlewood SD 57223

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. _____	\$ _____
Fee for Filing Transfer Form <u>WR No 7296-3</u>	<u>\$50.00</u>
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law)	TOTAL
	<u>\$50.00</u>

By Eric Gronlund
Chief Engineer

See



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 25, 2024

7296-3
7923-3

Jacob and Lacey Severson
18345 458th Ave
Castlewood SD 57223

Dear Mr. & Ms. Severson:

I have received your "Notice of Transfer of Ownership" forms and the required fees for Water Right Nos. 7296-3 & 7923-3. Enclosed are receipts of payment for your records.

Water Right Nos. 7296-3 & 7923-3 previously owned by Ed & Debra Aderhold are now listed under yourselves. I have also updated your contact information in our system.

As a reminder, so long as you use the water beneficially, as stated in the Water Right Nos. 7296-3 & 7923-3, State Water Laws provide that you have a continuing right to use the water. Should the water not be put to beneficial use for a period longer than 3 consecutive years, without legal excuse, the licenses will be subject to cancellation.

If you have any questions, please contact me.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

NOTE: The validity of Water Right Nos. 7296-3 & 7923-3 have not been determined by this transfer action. Only the Water Management Board has the authority to determine if a water permit/right is valid.

enclosures