

WATER PERMIT NO. 7923-3

Name of Applicant: **Ed & Debra Aderhold**

Address: **18345 458th Ave, Castlewood SD 57223** Phone: **605 880-3804**

Amount of Water Claimed: **1.78 cfs** Total Acres: **72 acres**

Source of Water Supply: **groundwater (one well)**

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

Type of Waste Disposal System:

Location: **2 miles southeast of Castlewood**

PRIORITY Date Received: **11-12-13** Application/License Fee: **\$ 950**

Corrected Application Received: Period of Annual Use: **May 1 – Sept 30**

Remarks:

Diversion Point: **NW 1/4 NW 1/4 Sec 8-T114N-R51W**

Land to be Irrigated: **N 1/2 NW 1/4 Sec 8-T114N-R51W**

Depth of Well: **120 feet deep**

Well Driller:

Remarks:

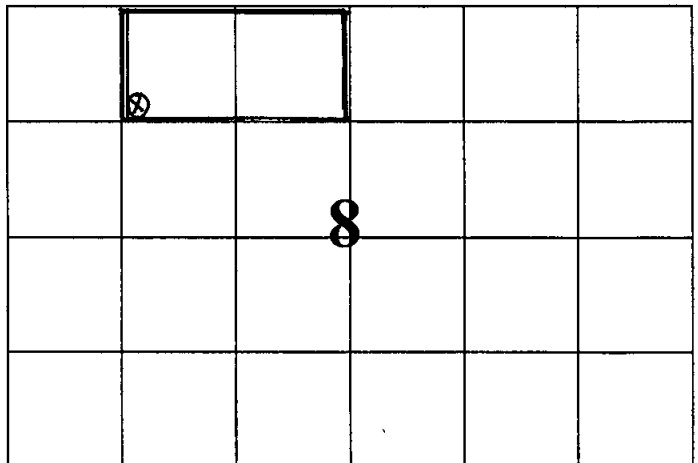
Type of Map: **aerial**

Prepared by:

Reviewed and the Number Assigned on: **11-12-13**

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

No. <u>7923-3</u>	(office use only) Hydrologic Unit <u>10170202</u>
Basin <u>Sioux River</u>	<u>605-793-2293</u>
Newspaper <u>Hamlin Co. Republican Box 50 Castlewood</u>	<u>605-886-6901</u> <u>57223</u>
<u>Parker Opinion Box 10 Watertown 57201</u>	

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NOV 12 2013
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 to Appear on Irrigation Permit Ed & Debra Aderhold

 (check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

 Mailing Address 18345 458th AVE CASTLEWOOD SD 57223
 (Address) (City) (State) (Zip Code)

 Home Phone 605-793-2647 Cell 605-880-3804 Email _____

 2. Amount of water claimed 1.78 *CFS or 800 **GPM ***AF Total Acreage 72
 (*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 1 WELL IN NW 1/4 NW 1/4 SECTION 8 T 114N R 51W

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

 County HAMLIN

 5. County or counties where water will be used HAMLIN

 6. Annual period during which water is to be used MAY-SEPT

 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
NW 40 NW 1/4 section 8 T 114 N R 51 W	36 acres		
NE 40 NW 1/4 section 8 T 114 N R 51 W	36 acres		

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

IRRIGATION PIVOT WITH NEW WELL

 I, Edward Aderhold, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

SOUTH DAKOTA
WATER PERMIT NO. 7923-3

Date of first receipt of application November 12, 2013.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7923-3 to Ed & Debra 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. 7923-3 appropriates 1.78 cubic feet of water per second from one well to be completed into the Prairie Coteau Aquifer (120 feet deep) located in the NW 1/4 NW 1/4 Section 8 for irrigation of 72 acres located in the N 1/2 NW 1/4 Section 8; all in T114N-R51W.
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: May 1 – September 30.
3. The date from which applicant may claim right is November 12, 2013.
4. The date of approval of Permit No. 7923-3 is January 20, 2014.
5. One-fifth of the construction is to be completed on or before July 20, 2016.
6. All construction is to be completed on or before January 20, 2019.
7. Water is to be put to beneficial use on or before January 20, 2023.
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. 7923-3 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. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 7923-3 authorizes a maximum diversion rate of 1.78 cfs for the irrigation of 72 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

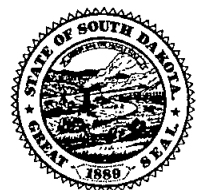
WATER MANAGEMENT BOARD

By: Jeane Goodman

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

FEB 20 2014

date



Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 1 Have test holes been drilled ☒ Yes ☐ No Drilled by KAISER WELL DRILLING INC
(if yes, please provide copies of logs)

b) If existing wells, how many Provide copy of log(s), if available. Drilled by

c) Well Depth 120 Depth to Top of Water Bearing Material 90 Depth to Water from Surface 35'-7"

d) Distance to nearest existing domestic well:

On applicant's property 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)

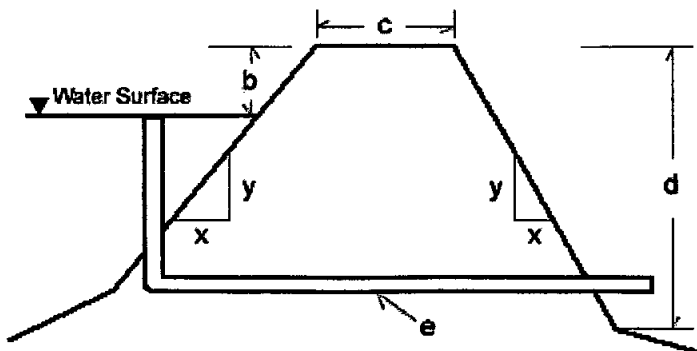
Upstream

Downstream

h) Surface Area of Impoundment

i) Storage Acre Feet

j) Drainage Area Above Dam Acres





United States Department of Agriculture Farm Service Agency



100°70 Ed

ALL = N±

Edward Adelski



South Dakota
Hamlin County

2009

Farm Number
4208

Township-Range-Section
114N51W8

Legend

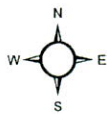
- Restricted Use
- ▽ Limited Restrictions
- Exempt from Conservation Compliance Provisions

CLU Field Boundary
Tract Boundary

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Mar 30, 2009



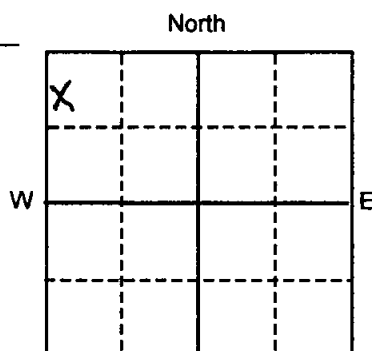
1:8,319

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 ortho rectified imagery for South Dakota. The producer accepts the data 'as is' and assumes all risks associated with 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 the 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.

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ NW ¼ Sec 8 Twp 114N Rg 51WCounty HAMLINPlease mark well
location with an "X"

Well Completion Date

10-29-13

1 Mile

 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	3.00 IN	0.0 FT	90.0 FT	6.00 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Grt Well DF	7	54.0 Lb/gal	0.0 Ft	90.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure _____

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 3.00 Inches Length 15.0 FeetMaterial PVCSlot Size 80 Set From 105.0 Feet to 120.0 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? _____

☐ No, Why Not? _____
Lab to which water
quality sample sent for analysisWell Owner: ED ADERHOLD

Business Name: _____

Address: 18345 458TH AVECity, State, Zip: CASTLEWOOD SD 57223

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	2
YELLOW CLAY	2	15
YELLOW GRAVEL	15	18
YELLOW CLAY	18	50
MIXED GRAVEL DRY	50	60
BLUE CLAY	60	90
GREY COURSE MIXED CRS-MED	90	120
BLUE CLAY	120	125

STATIC WATER LEVEL

35' 7"

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: AIR LIFT☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

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NOV 12 2013

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: 11-6-13

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/12, 20 13

RECEIVED OF Edward 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>7923-3</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>7923-3</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. **06481**

By Jean Goodman
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. 7923-3, Ed and Debra 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. 7923-3, Ed and Debra Aderhold, 18345 458th Avenue, Castlewood SD 57223.

The Chief Engineer is recommending APPROVAL of Application No. 7923-3 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. 7923-3 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. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 7923-3 authorizes a maximum diversion rate of 1.78 cfs for the irrigation of 72 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
December 27, 2013

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 7923-3
ED & DEBRA ADERHOLD
DECEMBER 27, 2013

Water Permit Application No. 7923-3 proposes to appropriate water at a maximum diversion rate of 1.78 cubic feet of water per second (cfs) from one well to be completed into the Prairie Coteau aquifer. The well is expected to be 120 feet deep and is to be located in the NW ¼ NW ¼ Section 8 for the irrigation of 72 acres located in the N ½ NW ¼ Section 8; all in T114N-R51W in Hamlin County. The applicant is requesting a diversion rate greater than the statutory limit.

AQUIFER: Prairie Coteau (PCO)

AQUIFER CHARACTERISTICS:

The Prairie Coteau aquifer in Hamlin County is the name for the numerous glacial outwash (sand and gravel) deposits that are not part of the surficial Big Sioux aquifer or the basal Altamont aquifer (Kume, 1985). Previously, Kume (1976) identified some of these intermediate deposits as “local glacial aquifers” and other slightly deeper deposits as the Prairie Coteau aquifer, but later (Kume, 1985) lumped the two together. The sand and gravel can vary from fine to coarse (SDGS, 2013) and is generally buried under at least 30 feet of glacial till (Kume, 1985). The aquifer is generally under confined conditions in Hamlin County, underlies approximately 698,880 acres of Deuel and Hamlin Counties, and contains an estimated 5,000,000 acre-feet (ac-ft) of water in storage in those counties (Kume, 1985). Hedges and others (1982) estimated the Prairie Coteau aquifer to underlie approximately 345,600 acres of Hamlin County and contain an estimated 778,000 ac-ft of recoverable water in storage in the County. The outwash deposits that comprise the Prairie Coteau aquifer are not all interconnected and, therefore, pumping from a well completed into one deposit may or may not affect the water level in another outwash deposit.

Figure 1 is a map of the areal extent and aggregate thickness of all outwash deposits that make up the Prairie Coteau aquifer in Deuel and Hamlin Counties. The Prairie Coteau aquifer has an aggregate thickness of approximately 40 feet at the proposed well site. The aggregate thickness is the combined total thickness of all sand and gravel beds that are included in the aquifer.

The geology from the well completion report submitted with this application is shown in Figure 2. The Prairie Coteau aquifer was identified from 90 to 120 feet below grade and had a static water level of 35 feet 7 inches below grade. Therefore, at the proposed well site the Prairie Coteau aquifer is under confined conditions.

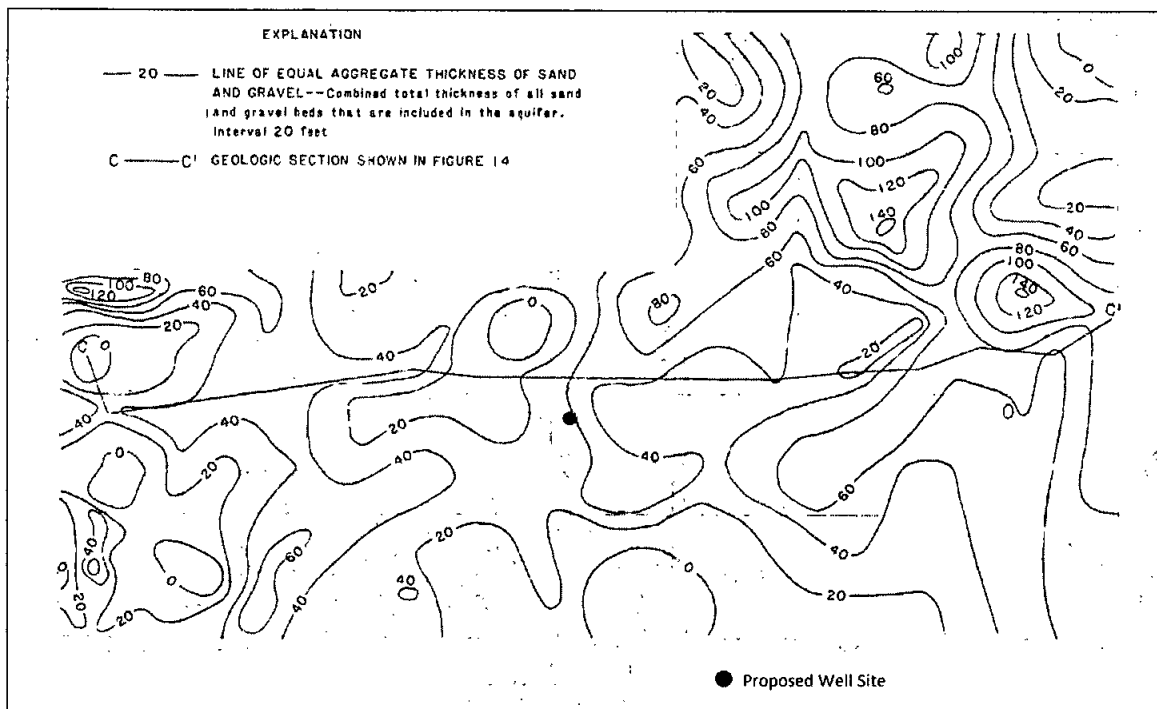


Figure 1- Areal extent and thickness of the Prairie Coteau aquifer (modified from: Kume, 1985)

WELL LOG:		
FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	2
YELLOW CLAY	2	15
YELLOW GRAVEL	15	18
YELLOW CLAY	18	50
MIXED GRAVEL DRY	50	60
BLUE CLAY	60	90
GREY COURSE MIXED CRS-MED	90	120
BLUE CLAY	120	125
STATIC WATER LEVEL	35'7"	
	FEET	

Figure 2- Geology from the well completion report submitted with Application No. 7923-3

Although this portion of the Prairie Coteau aquifer may be the stratigraphic equivalent of nearby portions of the Big Sioux: Brookings, the different aquifers do not appear to have a significant hydraulic connection locally. The elevation of the water level in the Big Sioux: Brookings would be approximately 1,670 feet above mean sea level (msl). The elevation of the water level of this portion of the Prairie Coteau aquifer is approximately 1,700 feet above msl.

Lithologic logs (SDGS, 2013), well completion reports (Water Rights, 2013c), and aquifer materials first occurrence map (Jensen, 2001) were reviewed. However, insufficient data was available to accurately delineate the areal extent of the aquifer at this time. However, it is likely that this deposit underlies at least 3,000 acres.

South Dakota Codified Law (SDCL) 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for this applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and effects on existing rights from the aquifer that are pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate water from the Prairie Coteau aquifer. Actual water use, if this application is approved, will likely be less than 144 acre-feet annually (ac-ft/yr). The probability of unappropriated water available from the aquifer can be evaluated by considering SDCL 46-6-3.1, which requires "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source." If the source of the water is older or lower than the Greenhorn Formation and a public water system has applied for a permit, the Board need not consider the recharge/withdrawal issue. In this case, the aquifer is not stratigraphically lower than the Greenhorn Formation and the applicant is not a public water system.

Hydrologic Budget:

Recharge:

Recharge to this portion of the Prairie Coteau aquifer likely occurs through leakage from till and adjacent outwash deposits. Recharge for this portion of the aquifer has not been quantified. For management and development programs, Hedges and others (1985) suggested a recharge rate range of 0.15 to 0.60 inches per year (in/yr) for confined aquifers. To account for just this proposed appropriation, the aquifer would need to have an area between 2,880 and 11,520 acres.

Discharge:

The Prairie Coteau aquifer discharges through seepage to surrounding till, flow to hydraulically connected outwash deposits, and well withdrawals. There are 73 water rights/permits authorizing the withdrawal and one future use permit, Future Use Permit No. 4051-3 for the Town of Florence, reserving water from the Prairie Coteau aquifer (Water Rights, 2013b). There are no water rights/permits authorizing the withdrawal of water from this particular deposit of the Prairie Coteau aquifer (Water Rights, 2013b). There are several domestic wells on file with the SD DENR-Water Rights Program that appear to be completed into the same deposit as this application proposes to use. However, compared to the annual use proposed by this application domestic use is negligible.

Hydrologic Budget:

This particular portion of the Prairie Coteau aquifer appears to be present in several of the domestic wells on file with the DENR-Water Rights Program (Water Rights, 2013c) and several of the DENR-Geological Survey lithologic logs (SDGS, 2013) within three miles of the proposed well site. The probable area of this particular deposit of the Prairie Coteau aquifer is greater than 3,000 acres. Information is not available to definitively correlate or determine a hydraulic connection between the sands and gravels encountered in the various borings. However, a

review of the well and lithologic log data provides reasonable assurance that the aquifer this application proposes to use is of sufficient size so as to insure that withdrawals from the aquifer will not exceed recharge to the aquifer.

Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that “the Water Management Board shall rely upon the record of observation well measurements to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.”

The DENR-Water Rights Program monitors 60 observation wells completed into the Prairie Coteau aquifer (Water Rights, 2013a). However, none are completed into this particular deposit of the Prairie Coteau aquifer. Generally, observation wells completed into the Prairie Coteau aquifer show stable to increasing water levels over the period of record. There is no reason to suspect that this deposit of the Prairie Coteau aquifer would act any different than other deposits of the aquifer.

EXISTING WATER RIGHTS:

There are no existing water rights/permits appropriating water from this particular deposit of the Prairie Coteau aquifer (Water Rights, 2013b). The nearest domestic well on file with the SD DENR-Water Rights Program is approximately three-quarters of a mile south of the proposed well site. Although the Prairie Coteau aquifer is under confined conditions at this site and drawdown from a pumped well may extend some distance, well interference should not be an issue due to the distance between wells and the approximately 55 feet of artesian head at the proposed well site.

SDCL 46-6-6.1 does not protect artesian head pressure as a means of delivery, and the Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. To balance interests between appropriative use and delivery of water by artesian pressure the Water Management Board defined an “adversely impacted domestic well” in ARSD 74:02:04:20(7) as:

“a well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner’s needs”

Depending on the specific characteristics of the Prairie Coteau aquifer at the proposed well site, some existing well owners may need to lower their pumps to accommodate for deeper water levels. However when considering the statute (SDCL 46-6-6.1) and rule (ARSD 74:02:04:20(7)), well interference from the proposed diversion is not likely to cause a significant impact. Therefore, there is a reasonable probability that any interference will not be adverse.

SDCL 46-5-6

Pursuant to SDCL 46-5-6, the diversion rate for an irrigation appropriation cannot be in excess of one cfs for every 70 acres, or "the equivalent thereof." The statute does provide that the Water Management Board may allow a greater diversion rate if the method of irrigation so requires. Water Permit Application No. 7923-3 proposes to divert 1.78 cfs from the Prairie Coteau aquifer for the irrigation of 72 acres, or the equivalent of 1.73 cfs per 70 acres. The applicant did not specifically state a reason for the request, but based on the description of the land to be irrigated the center pivot will be making a "windshield wipe" instead of a full circle. In the past, it has been accepted that to run a "windshield wipe" center pivot a diversion rate greater than the statutory limit is often required.

CONCLUSIONS:

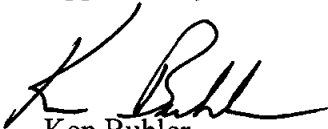
1. Water Permit Application No. 7923-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from the Prairie Coteau aquifer for the irrigation of 72 acres.
2. Information is not available to definitively correlate or determine a hydraulic connection between the sands and gravels encountered in the various borings. However, there is enough information that provides a reasonable assurance that the aquifer this application proposes to use is of sufficient size so as to insure that withdrawals from it will not exceed recharge to the aquifer.
3. There is a reasonable probability that the diversion rate requested by this application can be made without adversely impacting existing water rights/permits and domestic users.
4. The applicant is requesting a diversion rate greater than the statutory limit. Based on a description of the land to be irrigated, the center pivot will make a "windshield wipe" motion and therefore, requires the higher diversion rate. This has been accepted by the Water Management Board as a valid reason for the request in the past.



Adam Mathiowetz

SD DENR-Water Rights Program

Approved by:



Ken Buhler

SD DENR-Water Rights Program

REFERENCES:

- Hedges, L.S., Allen, J., Holly D.E., 1985, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Hedges, L.S., S.L. Burch, D.L. Iles, R.A. Barari, and R.A. Schoon. 1982. Evaluation of Ground-water Resources in Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa. Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Jensen, A.R. 2001. First Occurrence of Aquifer Materials in Hamlin County, South Dakota. Aquifer Materials Map 8. SD DENR-Geological Survey. Vermillion, South Dakota.
- Kume, J. 1985. Water Resources of Deuel and Hamlin Counties, South Dakota. Water-Resources Investigations Report 84-4069. USGS, Huron, South Dakota.
- Kume, J. 1976. Major aquifers in Deuel and Hamlin Counties, South Dakota. Information Pamphlet No. 11. SD DENR-Geological Survey. Vermillion, South Dakota.
- SDGS. 2013. Lithologic Logs Database Search. <<http://sddenr.net/lithdb/>>. Accessed: December 11, 2013. SD DENR-Geological Survey. Vermillion, South Dakota.
- Water Rights. 2013a. Observation Well Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013b. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013c. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

RECEIVED

JAN 10 2014

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Hamlin) SS

I, LeeAnne Dufek

certify that the attached printed Notice was
taken

from the Hamlin County
Republican

printed and published in Castlewood

County of Hamlin and

state of South Dakota. The notice was
published

in the newspaper on the following date:

Jan. 8, 2014

Cost of Printing \$ 23.10

LeeAnne Dufek
(Signature)

Owner
(Title)

1-8-14
(Date Signed)

NOTICE OF APPLICATION NO.
7923-3 TO APPROPRIATE WATER

Notice is given that Ed & Debra Aderhold, 18345 458th Ave, Castlewood SD 57223 have filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Prairie Coteau Aquifer (120 feet deep) located in the NW 1/4 NW 1/4 Section 8 for irrigation of 72 acres located in the N 1/2 NW 1/4 Section 8; all in T114N-R51W. The applicant is requesting a diversion rate greater than the statutory limit.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7923-3 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 January 20, 2014.

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 Jan. 8, 2014, at total
cost of

RECEIVED

JAN 16 2014

WATER RIGHTS
PROGRAM

Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Codington) SS

I, Monica K. Saathoff

certify that the attached printed Notice was
taken

from the Watertown Public Opinion

printed and published in Watertown

County of Codington and

state of South Dakota. The notice was
published

in the newspaper on the following date:

January 8th, 2014

Cost of Printing \$57.29

Monica K. Saathoff
(Signature)

Bookkeeper

(Title)

January 8th, 2014

(Date Signed)

DEPARTMENT OF ENVIRON- MENT AND NATURAL RESOURCES

NOTICE OF APPLICATION NO. 7923-3 to Appropriate Water

Notice is given that Ed & Debra Aderhold, 18345 458th Ave, Castlewood SD 57223 have filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Prairie Coteau Aquifer (120 feet deep) located in the NW 1/4 NW 1/4 Section 8 for irrigation of 72 acres located in the N 1/2 NW 1/4 Section 8; all in T114N-R51W. The applicant is requesting a diversion rate greater than the statutory limit.

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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 once at the total approximate cost of \$49.50. (January 8, 2014)



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

December 27, 2013

Hamlin County Republican
PO Box 50
Castlewood SD 57223

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7923-3 to Appropriate Water. Please publish the notice once on January 8, 2014. 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 and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Ed & Debra Aderhold, 18345 458th Ave, Castlewood SD 57223 (Ph # 605-793-2647).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

December 27, 2013

Public Opinion
PO Box 10
Watertown SD 57201

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7923-3 to Appropriate Water. Please publish the notice once on January 8, 2014. 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 and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Ed & Debra Aderhold, 18345 458th Ave, Castlewood SD 57223 (Ph # 605-793-2647).

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Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



**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.**

December 27, 2013

Ed & Debra Aderhold
18345 458th Ave
Castlewood SD 57223

Dear Sir:

Water Permit Application No. 7923-3 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 Hamlin County Republican printed at Castlewood SD (Ph # 605-793-2293) and the Public Opinion printed at Watertown SD (Ph # 605-886-6901). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and 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(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. 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,

A handwritten signature in black ink, appearing to read "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 the Notice on January 8, 2014. 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. 7923-3 to Appropriate Water

Notice is given that Ed & Debra Aderhold, 18345 458th Ave, Castlewood SD 57223 have filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Prairie Coteau Aquifer (120 feet deep) located in the NW 1/4 NW 1/4 Section 8 for irrigation of 72 acres located in the N 1/2 NW 1/4 Section 8; all in T114N-R51W. The applicant is requesting a diversion rate greater than the statutory limit.

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Published once at the total approximate cost of _____.



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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



FEB 20 2014

Ed & Debra Aderhold
18345 458th Ave
Castlewood SD 57223

Dear Sir:

Enclosed is Water Permit No. 7923-3 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,

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

enclosures

7923-3

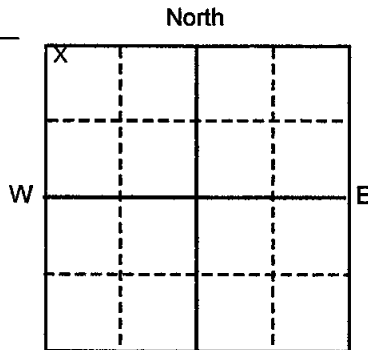
SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ NW ¼ Sec 8 Twp 114N Rg 51W

County HAMLIN

Please mark well
location with an "X"

Well Completion Date

12-2014

1 Mile

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	16.00 IN	0.0 FT	90.0 FT	6.00 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Grt Well DF	36	54.0 Lb/gal	0.0 Ft	85.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
TREMIE

SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 16.00 Inches Length 20.0 Feet

Material Stainless Steel

Slot Size Set From 100.0 Feet to 120.0 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?
☐ No, Why Not?
Lab to which water
quality sample sent for analysis

Well Owner: ED ADERHOLD

Business Name:

Address: 18345 458TH AVE

City, State, Zip: CASTLEWOOD SD 57223

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	2
YELLOW CLAY	2	15
YELLOW GRAVEL	15	18
YELLOW CLAY	18	50
MIXED GRAVEL DRY	50	60
BLUE CLAY	60	90
GREY COURSE MIXED CRS-MED	90	120
BLUE CLAY	120	125

STATIC WATER LEVEL 57.0 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

78.0 Ft. After Hrs. pumped 850.0 GPM

79.0 Ft. After Hrs. pumped 900.0 GPM

If pump installed, pump rate: GPM

REMARKS

RECEIVED

JAN 30 2015

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:

Date:

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

Date 12.28.16

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

RECEIVED**DEC 30 2016****WATER RIGHTS
PROGRAM**

FROM: Edward Aderhold
(name)
18345 458 Av.
(address)
Castlewood, S.Dak. 57223
(city, state, zip)

605-793-2647
(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.

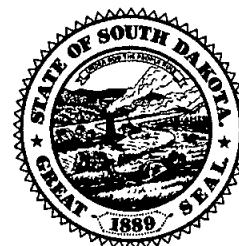
Water Permit No. 7923-3 states that the water use system is to be constructed by
1-20-2019 , and water is to be put to beneficial use by 1-20-2023
(date) (date)

The water use system was completed on 3-3-2015
(date)

Applying the water to beneficial use was completed on June 20-2015
(date)

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

Edward Aderhold
(signature)



7923-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 3, 2017

7923-3

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,

Genny McMath
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. 7923-3

I have this day, April 26, 2022, made a thorough examination of the water use system constructed by Ed & Debra Aderhold 18345 458th Ave, Castlewood, SD 57223 of Permit No. 7923-3, bearing the priority of November 12, 2013 authorizing the diversion of 1.78 cu. ft. per second of the waters of the Prairie Coteau Aquifer for irrigation purposes, in Hamlin County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Kaiser Well Drilling Inc
- 2) No. of Wells 1
- 3) Depth(s) 120 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 16 inches
- 2) Length 90 feet
- 3) Type Plastic

Screen:

- 1) Type Stainless steel
- 2) Length 20 feet
- 3) Static water level 57 feet

Pump:

- 1) Make Submersible
- 2) Model unknown
- 3) Size unknown
- 4) Capacity 800 GPM

Motor:

- 1) Make unknown
- 2) Model No. unknown
- 3) Horsepower rating unknown hp

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

- 1) Type Underground PVC
- 2) Size 8 inches
- 3) Length 1300 feet

C. Works used to apply water to beneficial use:**Center pivot:**

- 1) Make Reinke
- 2) Overall length 1300 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 800 GPM

Chemigation Equipment:

- 1) Does chemigate N

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
- 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 location: from the NW corner Sec 8, T114N, R51W, 1260' S & 35' E, Lat 44.70024 Long -96.98684 (NW ¼ NW ¼).
2. The works are capable of diverting and conveying to the place of use 1.78 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:
All land located in Sec 8, T114N, R51W
NW ¼ NW ¼ – 33 ACRES
NE ¼ NW ¼ – 33 ACRES

comprising a total of 66 acres of land and the license should be issued for 1.78 cfs

3. All structures, wells and lands on map Y

The irrigated acreage was determined with the aid of FSA imagery and ArcMAP software.
The mailing address and the telephone number in the permit application materials are current.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: April 30, 2022



0 625 1,250 2,500 3,750 5,000 Feet



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

JUN 10 2022

7923-3

Ed & Debra Aderhold
18345 458th Ave
Castlewood SD 57223

Dear Mr. & Mrs. Aderhold:

Enclosed is Water License No. 7923-3. 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 in the future, the owner of an existing well, 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, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Eric Gronlund, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 7923-3

(1) Ed and Deb Aderhold made Application No. 7923-3, November 12, 2013, for a water permit to divert 1.78 cubic feet of water per second (cfs) from groundwater, one well (Prairie Coteau Aquifer), Hamlin County, South Dakota for irrigation purposes. Permit No. 7923-3, with a priority date of November 12, 2013, was approved January 20, 2014, and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before January 20, 2019, and for the application to beneficial use of water on or before January 20, 2023.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and are entitled to divert 1.78 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 1260'S and 35'E of the NW corner of Section 8, T114N, R51W (NW ¼ NW ¼)
Latitude 44.70024, Longitude -96.98684

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

Section 8, T114N, R51W	NE ¼ NW ¼	33 acres
	NW ¼ NW ¼	33 acres
	Total	66 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1) Ed and Deb Aderhold, 18345 458th Ave, Castlewood, SD 57723 the holders and/or owners of Water Right No. 7923-3 are issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from groundwater, one well (Prairie Coteau Aquifer) with a priority date of November 12, 2013, 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. 7923-3 and subject to the following qualifications:

- The well approved under this water right may be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right 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. 7923-3 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. *The well was drilled in December 2014 by Kaiser Well Drilling Inc. A copy of the well completion report is on file with the Water Rights Program.*

continued

- Pursuant to SDCL 46-5-6 which allows a greater diversion rate is the method of irrigation, time constraints, or type of soils so requires, No. 7923-3 authorizes a maximum diversion rate of 1.78 cfs for the irrigation of 66 acres with an annual volume not to exceed 2 acre feet of water per acre per year. *The acreage was reduced from 72 to 66 acres based on the project as developed.*
- This water right is approved subject to the irrigation water use questionnaire being submitted each year.

Eric Gronlund

Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

JUN 10 2022

date





7923-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

December 6, 2023

Jacob & Lacey Severson
18345 458th Ave
Castlewood SD 57223

To whom it may concern:

Each year, the State of South Dakota sends out Water Management Irrigation Questionnaires to collect information based on annual water use from our state's waters.

This year we received word from one of the irrigator's that the property they'd previously reported on had been sold to you. For your convenience I have enclosed a partially completed "Transfer of Ownership" form for you to complete and return in the pre-paid envelope.

Please return the form with a check for \$50.00 made payable to "SD Water Rights Program" to cover the transfer fee. If you would prefer to pay by card you may call Megan Stephenson in our Fiscal Office at 605.773.4216. This form will still need to be returned even if you are submitting payment over the phone.

Should you decide you wish to discontinue the irrigation on this piece of land, we would ask that you let us know.

If you have any questions or concerns, please give me a call. My direct number is 605.910.5187

Sincerely,

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

enclosures



**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

7923-3

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 7923-3

Date: 9/14/24

I/We request that Water Right No. 7923-3

formerly owned by: Ed & Debra Aderhold

be transferred to: (name & address)

Jacob & Lacey Severson
18345 45th Ave

Castlemont, SD 57223 Telephone No. 605 690 3917

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

33 ac NW 1/4 NW 1/4 & 33 ac NE 1/4 NW 1/4 - all in Sec 8, T114N, R51W

31 ac NW 1/4 NE 1/4 & 31 ac NE 1/4 NE 1/4 & SW 1/4 NE 1/4 & 24 ac SE 1/4 NE 1/4 - all in sec 34 - T115N - R52W

I/We understand that the validity of Water Right No. 7923-3 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 & Lacey Severson, the new owner, certify that the above information is true and correct.

Jacob Severson
(Signed by new owner)

NOTE: Water permits may be cancelled for non-construction 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

SEP 16 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 7923-3</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 Groslund
Chief Engineer

SK



**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