

WATER PERMIT NO. 5951-3

Name of Applicant: Dan Christensen

Address: Box 235, Hurley SD 57036

Phone: 605 238-5854

Amount of Water Claimed: 2.28 cfs

Total Acres: 160

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Turner

Type of Waste Disposal System: NA

Location: 1/2 mile east of Hurley

PRIORITY

Date Received: 8-14-96

Fee: \$250

Corrected Application Received:

Period of Annual Use: May 1 - September 30

Remarks:

Diversion Point: approximate center of
NE 1/4 Sec 26-T98N-R53W

Land to be Irrigated: NE 1/4 Sec 26-
T98N-R53W

Depth of Well: 50 feet

Well Driller:

Remarks: well has not been constructed

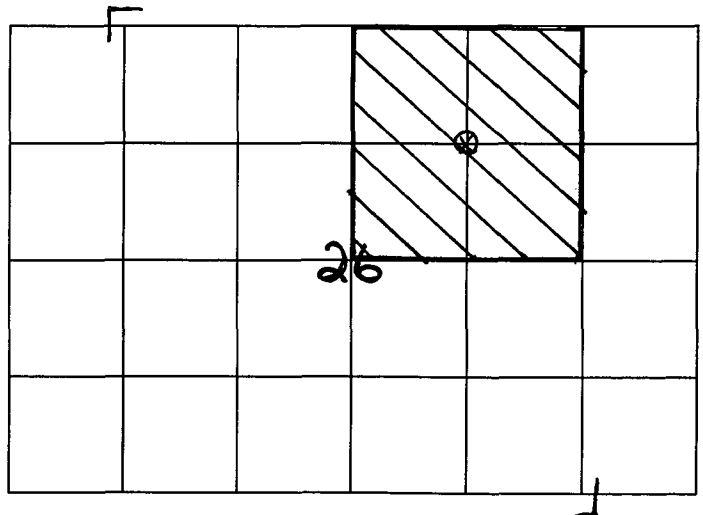
Type of Map: aerial

Prepared by: Barry McLaury

Reviewed and the Number Assigned on: 8-15-96

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



**SOUTH DAKOTA
WATER PERMIT NO. 5951-3**

Date of first receipt of application August 14, 1996.

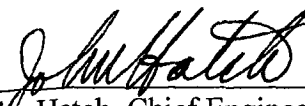
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5951-3 to Dan Christensen, Box 235, Hurley SD 57036 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 5951-3 appropriates 2.28 cubic feet of water per second from one well (Parker Centerville Aquifer) 50 feet deep located in the center of the NE 1/4 Section 26 to irrigate 160 acres in the NE 1/4 Section 26; all in T98N-R53W.
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 August 14, 1996.
4. The date of approval of Permit No. 5951-3 is September 30, 1996.
5. One-fifth of the construction is to be completed on or before March 30, 1999.
6. All construction is to be completed on or before September 30, 2001.
7. Water is to be put to beneficial use on or before September 30, 2005.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

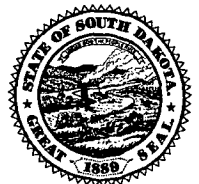
1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 5951-3 shall be constructed by a licensed well driller and construction 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: 
John Hatch, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

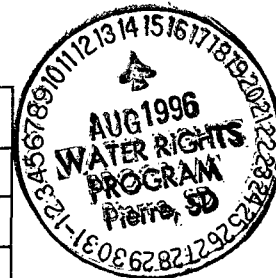
OCT 16 1996

date



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

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only)
	No. <u>5951-3</u> Hydrologic Unit <u>10/70/02</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Hurley Leader, Hurley, SD</u>



Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(check one) (Use predates Mar 2, 1955)

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

1. Name of Applicant Dan Christensen ☒ Owner ☐ Tenant/Lessee Phone 238-5854
Mailing Address Box 235 Hurley (Street, RR, or Box) State S.D. 57036 (Zip Code)
(check one)
2. Amount of water claimed 2.28 *CFS or _____ **GPM _____ ***AF Total Acreage 100
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout if applicable)
3. Source of water supply ground water
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) approximate center of NE 1/4 Sec 26 T98N R53W
County Turner
5. County or counties where water will be used Turner
6. Annual period during which water is to be used May 1 - Sep 30
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 1/4 NE Section 26 T98N R53W	40		
NE 1/4 NE Section 26 T98N R53W	40		
SW 1/4 NE Section 26 T98N R53W	40		
SE 1/4 NE Section 26 T98N R53W	40		

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

Will be using a center pivot to irrigate the NE 1/4 of Section 26-98-53 using ground water (1 well) for a water source.

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

STATE OF SOUTH DAKOTA)

ss

County of Turner)

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

Signed Dan R Christensen

Subscribed and sworn to before me this 17th day of July 19 96

Charlotte Lange
Notary Public

Commission expires: 3-15-03

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 26" Depth 50'
- b) Casing Type PVC Diameter 16" Thickness _____
- c) Screen Type PVC Diameter 16" Thickness _____
- d) Gravel Pack Thickness _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material Approx 10'
- f) Depth to Water (ground surface to water level) Approx 10'
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

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

3. Dugout Information

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



4. Water Storage Dams

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

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

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope

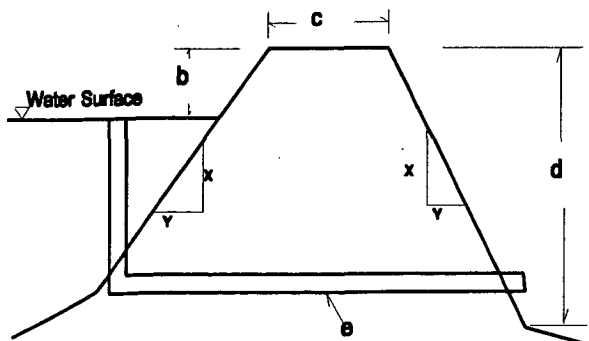
Upstream _____

Downstream _____

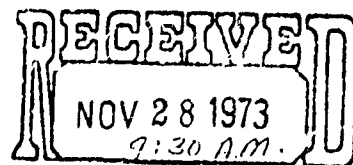
h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)



STATE WATER RIGHTS COMM.
PIERRE, SOUTH DAKOTA

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

(1) Drill Hole, Diameter 36", Depth 40'

(2) Casing, Type Concrete Diameter 18" Thickness 2"
(wood, concrete, steel, etc)

(3) Perforated Screen.

Type Concrete, Diameter 18", Length 12'

(4) Gravel Pack, Thickness 8", Length of gravel pack 40'

E. Dugout Information or Estimates.

(1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Gravel

Depth to top of water bearing material 12'

Depth to bottom of water bearing material 48'

Thickness of water bearing material 36'

Depth to water (ground surface to water level) 12'

(2) Distance to nearest existing household or livestock watering wells.

On same owner's property None rds. On property owned by others 140 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Turner

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NE 1/4 SW 1/4 Section 26 Township 98N Range 57E
Well owner John Prosser #2 (Name) (Address)
Date well drilling completed 11-8-76 Purpose of well irrigation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	ft.
<u>0-2</u>	<u>Top soil</u>	Depth to static water level	<u>10' approx</u> ft.
<u>2-20</u>	<u>GRAVEL + SAND</u>	Name of producing aquifer (if known)	
<u>20-60</u>	<u>COARSE SAND + GRAVEL</u>	Total depth of drill hole	<u>59</u> ft.
		Depth to bottom of casing	<u>44'</u> ft.
Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.			
<u>44' 1 1/2" 14" casing</u>			
Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.			
<u>15' 1 1/2" Johnson Screen</u>			
If a flowing well, flow of completed well _____ G.P.M.			
Attach sheet if more space is needed			

Name of Drilling Contractor

(2) PUMP INSTALLATION

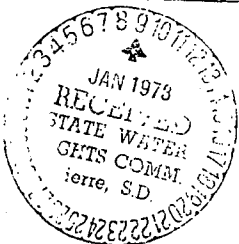
Company name and size of pump W. H. K. Co. HP _____
Type of pump _____ Capacity of installed pump _____ G.P.M.
Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____

Name of Pump Installation Contractor



Well Owner:

Name

Address

Well Location:

Mark location
with an "X"

County

± NW ± Sec. 26 Twp. 9S-W R. 53

Proposed Use:

☒ Domestic

☐ Irrigation

Method of Drilling:

☐ Forward Rotary

☒ Reverse Rotary

Well Construction:

Diameter of hole

Depth

Casing

☒ Steel

☐ Plastic

If other, spec.

Was casing end left open

Was a well screen installed

Describe Well Screen

Diameter

Slot size

Was well gravel packed

Was well grouted

Was water sample taken

Remarks:

15 ft

Submersible

15

10 GPM

Fine SAND /
Blue Clay
Chalk Rock
(not casey)

0

38

38

50

Date Completed

September 14, 1979

Dongel Well Drilling

Village, LaSalle

Paul J. Dongel

55

License NO.

Date

SOUTH DAKOTA WATER WELL COMPLETION REPORT

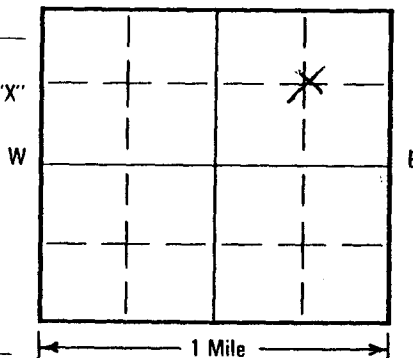
07-92

Location NE 1/4 NE 1/4 Sec 26 Twp Harley Rg 98/53

County

Turner

Please mark well location with an "X"



Well Completion Date

6/9/97

Well Owner:

Dan Christensen

Business Name:

Address: Box 235 Harley S.D. 57086

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top soil</u>	<u>0'</u>	<u>3'</u>
<u>Gravel</u>	<u>3'</u>	<u>10'</u>
<u>Water bearing sand</u>	<u>10'</u>	<u>52'</u>

LOCATION:

Distance from 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:

Boring Machine

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	<u>16</u> IN	<u>0</u> FT	<u>52</u> FT	<u>30</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
_____	_____	_____ lb./gal	_____ ft.	_____ ft.
_____	_____	_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure Per rock 15'-52' @ gravel
5'-15' Cement 0'-5'SCREEN: ☐ Perforated pipe ☐ ManufacturedDiameter 16 IN Length 20 FEETMaterial PlasticSlot Size .055 Set From 32 Feet to 52 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? _____

Laboratory sent to for water quality analysis _____

STATIC WATER LEVEL 10 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: NO TEST☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

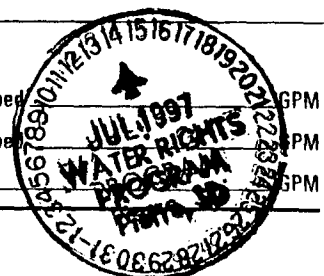
_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well was drilled under license # 478

And this report is true and accurate.

Drilling firm Reiners Well DrillingSignature of License Representative: Don ReinerSignature of Well Owner or Equitable Property Holder: Dan ChristensenDate: 6/12/97

RECEIPT

415048

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____, August 14, 19 96

RECEIVED OF Dan Christensen, Box 235, Hurley, SD 57036

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

Fee for Application for Permit No. 5951-3 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 _____

Fee for Filing Extension Request _____

Fee for _____

*Bad Check received.
See new receipt # 415107.
Cashiers Check was received
to cover this fee.*

250 00

(Any Other Work Provided by Law)

Total

250 00

By

Chief Engineer

John Hatch



DAN CHRISTENSEN 7-81
 BOX 235 PH. 238-5854
 HURLEY, SD 57036

4116

78-227
 914
 218752501

INSUFFICIENT FUNDS

Pay to the order of

Water Rights Program

\$ 250.00



Merchants State Bank

DAN CHRISTENSEN

Hurley, South Dakota 57036

Water Rights Program

INSUFFICIENT FUNDS

⑆091402277⑆ 218 752 501 4116 ⑈0000025000⑈

092092 18888 2 7 1

FEDERAL RESERVE BOARD OF GOVERNORS REG. CC

Security Screen

Chemical Processes

Stains or spots appear on the white paper could indicate the presence of a chemical process.

Assurance of "Original Document" applies on each of these

FRB MPLS 08910 00000 0

4400232315 00000 0

4100232315 00000 0

FRB MPLS 08910 00000 0

4400232315 00000 0

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4400232315 00000 0

4100232315 00000 0

FRB MPLS 08910 00000 0

4400232315 00000 0

DO NOT WRITE, STAMP OR SIGN BELOW THIS LINE
 RESERVED FOR CHARTERED INSTITUTION USE *

PAY TO THE ORDER OF

BANK OF
 SOUTH DAKOTA, N.A.
 SOUTH DAKOTA, SD
 1408301

FOR DEPOSIT ONLY
 DEPT. OF WATER &
 NATURAL RESOURCES

ENDORSE HERE

NEXT FUNCTION: _____ ACTION: _____
BC 202: END OF DOCUMENT

=====

APP: 93

DOCUMENT ID: R89735484

TOTAL:

250.00

LINE 0001 TRANSACTION CODE a
COMP/ACCT/CNTR 3072 4299102 _____ 204114000033
DEBIT/CREDIT AMOUNT 250.00 _____
DEBIT/CREDIT CODE dr
DESCRIPTION return check _____
r5484 _____

PROJECT COMP/CODE _____

ACCOUNTING RULE _____

EFFECTIVE DATE 09 13 96

SOURCE CODE _____

LEVEL OF FUNDS CHK _____

UPDATE AFF _____

TRANSFER COMPANY _____

OPTIONS: (E)ND, (H)OLD, (K)ILL, OR NEXT LINE _____



declare and affirm under the penalties of perjury that this
claim has been examined by me, and to the best of my
knowledge and belief, is in all things true and correct
I further agree to comply with the provisions of the Civil
Rights Act of 1964 and regulations issued thereunder relat-
ing to non-discrimination in federally assisted programs.

Date

Date
9-13-96

Water Rights Program -DENR
Conversation or File Documentation

NAME OF PERSON OR FILE: Dan Christensen

ADDRESS: Box 235, Hurley, SD 57036 COUNTY: TU

DATE: 8-15-96 TELEPHONE: 238-5854

RE: Discussion about the need for a test hole log for the new water permit application for the NE1/4 Section 26; T98N R53W.

COMMENTS:

This morning, August 15, 1996, I called Dan Christensen to explain to him that we should have a test hole log for the new application he submitted for irrigation in the NE1/4 Section 26; T98N R53W. He said he hadn't hired a driller to test yet but said that there was going to be water in the center of the described quarter. He wondered if the application could still be processed without a test hole log. I explained that it could and we could use the test hole log which was submitted for the center pivot in the SE1/4 of that same section....if he felt his well would be in the aquifer. He said it would be ok to use the test hole log because his well would be in that same aquifer.


Barry A. McLaury
Environmental Scientist
Water Rights Program

NOT TO SCALE

98-53

T-1063

I-15

x Approximate location
of well site.

26

NREL
153.7

T-1179

Map Prepared By:

Barry A. McFarland
DENR, Water Rights Program
Pierre, SD

NREL
5.0
3

NREL
25.3

NREL

2 1160 98-53

NREL

4

4.5

5951-3

WATER PERMIT APPLICATION NO. 5951-3
DAN CHRISTENSEN
AUGUST 27, 1996

Water Permit Application No. 5951-3 proposes to appropriate 2.28 cubic feet of water per second from one well (Parker Centerville Aquifer), 50 feet deep located in the center of the NE¼ Section 26, to irrigate 160 acres in the NE¼ Section 26; all in T98N-R53W

AQUIFER: Parker Centerville (PAC)

GENERAL:

The Parker Centerville Aquifer is an unconsolidated sand and gravel outwash deposit that underlies approximately 74 square miles of Turner County. The outwash attains a maximum thickness of over 78 feet and has an average thickness of 34 feet. The maximum volume of water in storage in the Parker Centerville Aquifer in Turner County is estimated to be 322,000 acre-feet (Lindgren, 1990). The aquifer is under unconfined conditions. Recharge to the aquifer occurs through 1) direct infiltration of precipitation; 2) the west fork Vermillion Aquifer; 3) the East Fork Vermillion Aquifer; 4) hydraulic connection to the Upper Vermillion Missouri Aquifer; and 4) seepage from the Vermillion River when the river stage is higher than the water table of the aquifer. Recharge to the Parker Centerville aquifer has been estimated to be approximately 4.9 inches per year (Hedges, 1983). This equates to approximately 19,340 acre-feet per year. Groundwater movement is generally toward the Vermillion River and to the south.

WATER AVAILABILITY:

The Water Rights Program monitors 21 observation wells completed into the Parker Centerville Aquifer in Turner County. Observation well TU-77E is located within approximately ¼ mile of the proposed diversion point for this application, see figure 1.

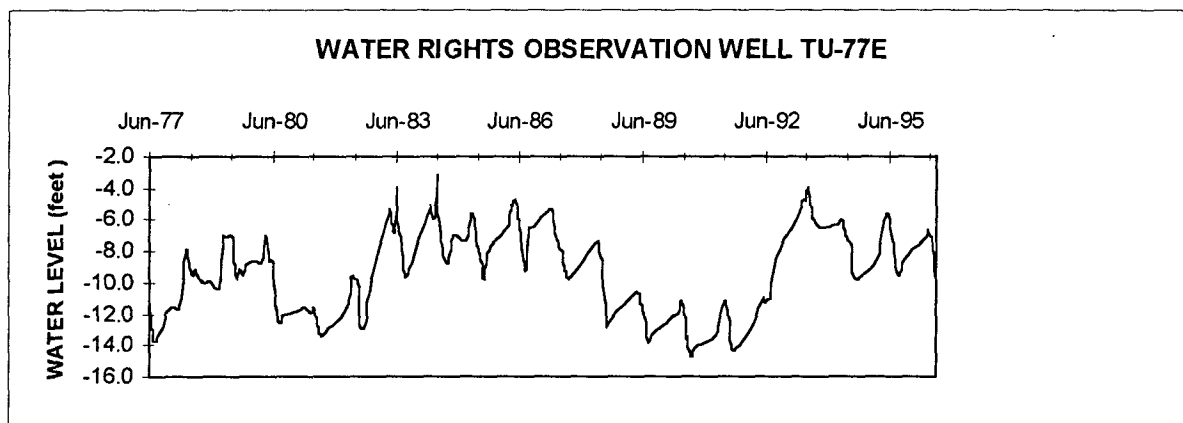


figure 1

Hydrographs from the all of the Parker Centerville observation wells are similar and show response to climatic conditions, that is, rising during wet years (recharge) and gradually declining during dry years (discharge). The water level record indicates the aquifer is capable of sustaining additional withdrawals (Water Rights, 1996).

In addition to domestic use, there are 117 permits/rights which appropriate water from the Parker Centerville aquifer. Appropriative rights from the aquifer are for municipal use (City of Centerville and City of Hurley); irrigation use (113 Permits/Rights); and Permit No. 5843-3 is for industrial use, but has been scheduled for cancellation. Future Use Permit No. 516-3 reserves 204 acre-feet annually from the Parker Centerville Aquifer for future use by the City of Hurley. Assuming the municipalities will use less than 60% of their Water Right's diversion rate (considered reasonable for water distribution systems), the total water use from the Parker Centerville Aquifer for municipal will be less than 500 acre-feet annually. The major use of the Parker Centerville Aquifer is irrigation use. Reported pumpage from the aquifer for irrigation is shown in figure 2.

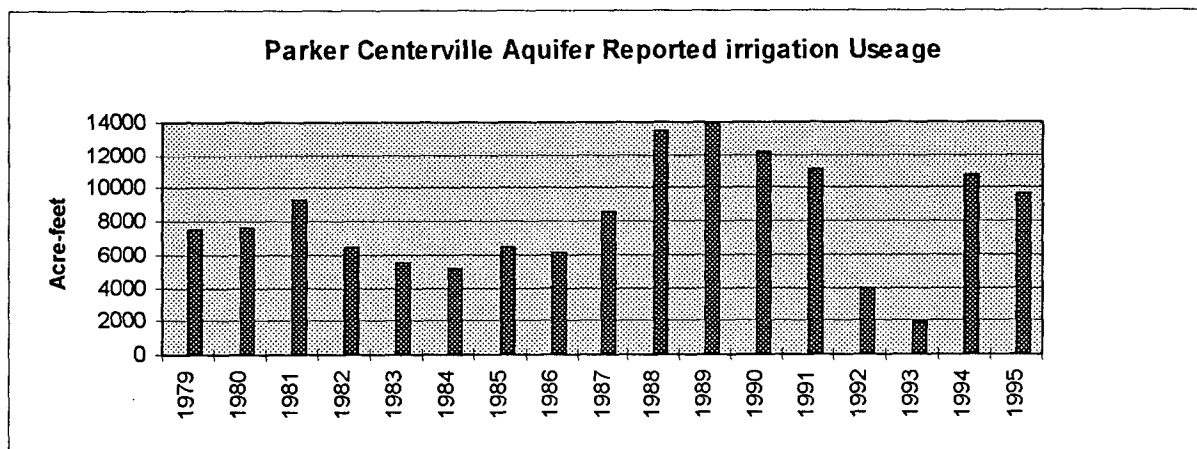


figure 2

Comparison of the estimated annual recharge to the Parker Centerville Aquifer with the water use estimated from the aquifer, indicates unappropriated water is available from the aquifer.

AFFECTS ON EXISTING RIGHTS:

There are several wells pumping from the Parker Centerville aquifer in this area. There are 5 permits in this section diverting from the aquifer. Interference is not expected to be a concern since pumping from the Parker Centerville aquifer does not create significant drawdown very far from individual production wells.

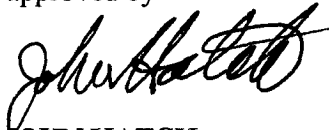
CONCLUSIONS:

1. Water is available from the Parker Centerville aquifer
2. Interference is not expected to be a problem. Drawdown does not extend very far from an individual production well. The aquifer is under water table conditions and is a prolific water supply.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.



Ken Buhler
Natural Resources Engineer

approved by



JOHN HATCH
Chief Engineer

REFERENCES:

- Lindgren, R.J., D.Hansen, 1990, Water Resources of Hutchinson and Turner Counties, South Dakota, U.S. Geological Survey, Water-Resources Investigations Report 90-4093, USGS, Huron SD.
- Hedges, L.S., J.Allen, D.Holly, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge, Draft Final Report, US Army Corps of Engineers, Contract DACW 45-80-C-0185, SD DWNR-Office of Geologic Survey, Vermillion, SD.
- Water Rights Program, 1996, "Domestic Well Log Files, Observation Well Files, and Water Permit Files," DENR-Water Rights Program, Joe Foss Building, Pierre, SD.

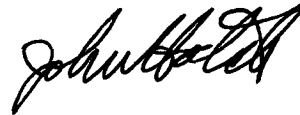
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5951-3, Dan Christensen**

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. 5951-3, Dan Christensen, Box 235, Hurley, SD 57036.

The Chief Engineer is recommending APPROVAL of Application No. 5951-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion has been developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 5951-3 shall be constructed by a licensed well driller and construction 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.



JOHN HATCH, Chief Engineer
September 4, 1996



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

September 6, 1996

Dan Christensen
Box 235
Hurley, SD 57036

Dear Mr. Christensen:

Water Permit Application No. 5951-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Hurley Leader printed at Hurley, SD (Ph # (605) 238-5229). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

September 6, 1996

Hurley Leader
Box 218
Hurley, SD 57036

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5951-3 to be published twice. Please publish the first notice on September 12, 1996, with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Dan Christensen, Box 235, Hurley, SD 57036 (Ph # (605) 238-5854).

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

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

FIRST TRANSMITTAL NOTICE

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

No. _____

Date _____

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

Name

Newspaper

Instruction to Newspaper - Publish first Notice on September 12, 1996, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 5951-3 to Appropriate Water

Notice is given that Dan Christensen, Box 235, Hurley, SD 57036 has filed an application for a water permit to appropriate 2.28 cubic feet of water per second from one well (Parker Centerville Aquifer) 50 feet deep located in the center of NE 1/4 Section 26 to irrigate 160 acres in the NE 1/4 Section 26; all in T98N-R53W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5951-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by September 30, 1996.

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

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Turner) SS

1. Kay Schooley



certify that the attached printed Notice was

taken from the Hurley Leader

printed and published in Hurley

County of Turner and State of

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

September 12, 1996

September 19, 1996

Cost of Printing: \$ 29.07

Kay Schooley
(Signature)

Managing Editor
(Title)

9/19/96
(Date Signed)

Notice of Application No. 5951-3 to Appropriate Water

Notice is given that Dan Christensen, Box 235, Hurley, SD 57036 has filed an application for a water permit to appropriate 2.28 cubic feet of water per second from one well (Parker Centerville Aquifer) 50 feet deep located in the center of NE 1/4 Section 26 to irrigate 160 acres in the NE 1/4 Section 26; all in T98N-R53W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5951-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by September 30, 1996.

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

September 16, 1996

Dan Christensen
Box 235
Hurley, SD 57036

Dear Mr. Christensen:

The State Treasurer has informed me that the \$250 check submitted as the filing fee for your permit application for irrigation was returned due to insufficient funds. I am contacting you so that you can make payment of the filing fee. **Payment must be made in the form of a bank cashier check or money order to the Water Rights Program, Joe Foss Building, 523 E. Capitol Ave., Pierre, SD 57501.**

Please be advised that I can not issue you a water right permit until the \$250 filing fee is received. By statute you are not allowed to begin construction of your irrigation system until the permit is issued.

Thank you for your immediate attention to this matter.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Program
(605) 773-3352

RECEIPT

415107

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ September 13, 1996

RECEIVED OF Dan Christensen, Box 235, Hurley, SD 57036

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

Fee for Application for Permit No. <u>5951-3</u> to Appropriate Water, to construct and to put water to beneficial use _____	250	00
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	250 00

By John Hatch
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

OCT 16 1996

Dan Christensen
Box 235
Hurley, SD 57036

Dear Mr. Christensen:

Enclosed is Water Permit No. 5951-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

Very truly yours,

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

enclosures

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

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



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

Date

8/10/97

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

FROM:

Dean Christensen Box 235 Hurley
(name) (address)

Hurley S.D. 57036 238-5854
(city) (state) (zip) (phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 5951-3.

Water Permit No. 5951-3 states that the diversion system is to be constructed by

9/30/2001, and that the water is put to beneficial use by
(date)

9/30/2005.
(date)

The diversion system was completed on

8/1/97
(date)

Applying the water to beneficial use was completed on

8/1/97
(date)

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

Dean R. Christensen
(signature)

5951-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 22, 2003

358-3
2031-3
2135-3
2365-3
5951-3
6134-3

Dan Christensen
28324 SD Highway 19
Hurley SD 57036-6034

Dear Mr. Christensen:

Enclosed is a "Notice" dated October 17, 2003 concerning the 2003 irrigation questionnaire. The notice was originally mailed to Box 235, Hurley SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

enclosures

5951-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 1, 2004

John Koerselman
669 10th St Circle SE
Sioux Center IA 51250

RE: Dan Christensen land

Dear Mr. Koerselman:

Thank you for visiting with me about ownership of land described in Water Right Nos. 2031-3, 2135-3, 2365-3 and Water Permit Nos. 5951-3 & 6134-3. Enclosed are copies of each one.

Also enclosed are partially completed "Notice of Transfer of Ownership" forms for filing ownership changes. Please review the forms and complete as needed. Upon completion, please sign and return the forms to us with a required filing fee of \$2.50 each (total of \$12.50). The check or money order for the fee can be made payable to the Water Rights Program.

I have included copies of last year's irrigation questionnaires submitted by Mr. Christensen. These are forms that are required to be completed each year by irrigators in South Dakota. The information supplied by the irrigators is one of the tools we use to help manage the water resources of the state. The data supplies us information on how much water was used from a particular source and develops a history of water use in South Dakota. The questionnaires are mailed out each year in October and are usually due by the first week in December.

If I can answer any questions for you, please contact me. If you have internet access and would like to know more about water rights in South Dakota, our website is:
<http://www.state.sd.us/denr/des/waterrights/waterprg.htm>

Sincerely,

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

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

RECEIVED

OCT - 7 2004

WATER RIGHTS
PROGRAM

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

No. 5951-3

Date: Oct. 5, 2004

I/We request that Water Permit No. 5951-3

formerly owned by: Dan Christensen

be transferred to: (name & address) John Koerselman
669 10th St. Circle SE
Sioux Center, IA 51258 Telephone No. 712-722-0615

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

160 acres - NE 1/4 Section 26, T98N, R53W

I/We understand that the validity of Water Permit No. 5951-3 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 Two Dollars and Fifty Cents (\$2.50) 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 John Koerselman, 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.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date October 7, 20 04

RECEIVED OF BDJ, Inc., John Koerselman, 669 10th St. Cir SE, Sioux Center IA 51250

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>5951-3</u>	2	50
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	2.50

No.

001-37

By

Darlene E. Erbe
Chief Engineer
gm



5951-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 12, 2004

John Koerselman
669 10th St Circle SE
Sioux Center IA 51250

RE: Dan Christensen land

Dear Mr. Koerselman:

I am writing to acknowledge receipt of the ownership changes you filed for Water Right Nos. 2031-3, 2135-3, 2365-3 and Water Permit Nos. 5951-3 & 6134-3. The transfers have been completed. The above listed permits and rights, formerly held by Dan Christensen are now listed in your name.

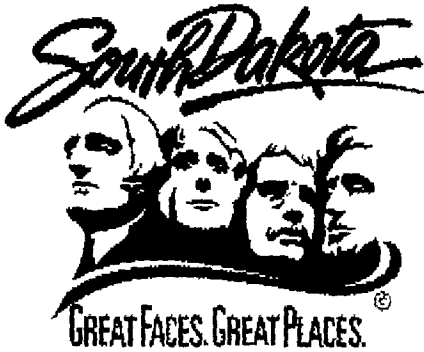
Enclosed are your Receipt Nos. 001436, 001437, 001438, 001439 and 001440 in the amounts of \$2.50 each. The fees were for filing the ownership changes.

If I can answer any questions for you, please contact me.

Sincerely,

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 3, 2009

Dan Christensen
28324 Hwy 19
Hurley SD 57036

RE: Water Right Nos. 2031-3, 2135-3 & 2365-3 and Water Permit Nos. 5951-3 & 6134-3

Dear Mr. Christensen:

Enclosed as you requested are partially completed "Notice of Transfer of Ownership" forms for use in filing ownership changes on Water Permits and Rights held by John Koerselman.

Please review the forms and completed as needed. Upon completion, please sign and return them to our office with a required filing fee of \$2.50 each (total of \$12.50). The check or money order for the fee can be made payable to the Water Rights Program.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

RECEIVED

MAR - 6 2009

WATER RIGHTS
PROGRAM

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

No. 5951-3

Date: 3/4/09

I/We request that Water Permit No. 5951-3

formerly owned by: John Koerselman

be transferred to: (name & address) Dan Christensen

28324 Hurley S.D. 57036

Telephone No. 605-238-5854

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

160 acres - NE 1/4 Section 26, T98N, R53W

I/We understand that the validity of Water Permit No. 5951-3 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 Two Dollars and Fifty Cents (\$2.50) 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 Dan Christensen, 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.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 3/6, 20 09

RECEIVED OF Dan Christensen 28324 Hwy 19 Hurley SD 57036

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	2	50
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>5951-3</u>		
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	2 50

No.

04054

By

Shirley E. Eide

Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 9, 2009

Dan Christensen
28324 Hwy 19
Hurley SD 57036

RE: Water Right Nos. 2031-3, 2135-3 & 2365-3 and Water Permit Nos. 5951-3 & 6134-3

Dear Mr. Christensen:

I am writing to acknowledge receipt of the "Notice of Transfer of Ownership" forms and filing fees you submitted for filing ownership changes.

The ownership changes have been completed. Water Right Nos. 2031-3, 2135-3 & 2365-3 and Water Permit Nos. 5951-3 & 6134-3 formerly listed in the name of John Koerselman are now listed in your name.

Enclosed are your Receipt Nos. 04051, 04052, 04053, 04054 and 04055 in the amounts of \$2.50 each which you paid for filing the ownership changes. You may keep these for your records. If you have any questions, please contact me.

Sincerely,

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

enclosures

Permit No. 5951-3
Vermillion River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

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

I have this day, **July 15, 2008**, made a thorough examination of the water use system constructed by **Dan Christensen** of **28324 SD Hwy 19, Hurley, SD 57036** holder of Permit No. **5951-3**, bearing the priority of **August 14, 1996** authorizing the diversion of **2.28** cu. ft. per second of the waters of the **Parker Centerville Aquifer** for **Irrigation** purposes, in **Turner** County.

Inspection contact & relationship to permit holder, if applicable: **Mike Abbas (Operator) 212-4412 or 351-6220 (Cell)**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Reiners Well Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **52** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **16** inches
- 2) Length **32** feet
- 3) Type **Plastic**

Screen:

- 1) Type **Plastic**
- 2) Length **20** feet
- 3) Static water level **10** feet

Pump:

- 1) Make **Goulds**
- 2) Capacity **800** GPM

Motor:

- 1) Make **US Motor**
- 2) Model No. **Unreadable**
- 3) Horsepower rating **40** hp

B. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Zimmatic
- 2) Number of towers 7
- 3) End gun Y
- 4) High or low pressure Low

Chemigation Equipment:

- 1) Does chemigate N

C. 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

The system is in Good condition with the point(s) of diversion located as follows:

Approximately 1320 feet south and 1355 feet west of the NE corner of Section 26 T98N-R53W
(N 43.28245, W -97.06771) (NW ¼ NE ¼)

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:

Section 26 T98N-R53W

NW ¼ NE ¼ - 33 acres

NE ¼ NE ¼ - 33 acres

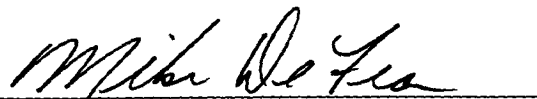
SW ¼ NE ¼ - 33 acres

SE ¼ NE ¼ - 33 acres

comprising a total of 132 acres of land and the license should be issued for 1.78 cfs.

All structures, wells and lands on map Y

Comments or other permit(s) associated with the project:



Mike DeFea
Natural Resources Project Engineer
DENR, Water Rights Program

Date report completed: August 6, 2009

Dan Christensen

Water Permit No. 5951-3



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
August 6, 2009

0 750 1,500 3,000 Feet



South Dakota
Department of Environment
& Natural Resources
Protecting SD's Tomorrow... Today



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 10, 2009

5951-3

Dan Christensen
28324 SD Hwy 19
Hurley SD 57036

Dear Mr. Christensen:

On July 15, 2008 the investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 5951-3, was completed by Mike DeFea, a staff engineer with our program. Your final water right document, the water license, can now be issued.

State law requires that we charge a \$50.00 fee for the investigation and issuance of the water license. Upon receipt of the \$50.00 fee from you, we will complete processing your water license. The check or money order for the fee should be made payable to the "Water Rights Program".

Your licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 5, 2010

REMINDER NOTICE

5951-3

Dan Christensen
28324 SD Hwy 19
Hurley SD 57036

Dear Mr. Christensen:

On August 10, 2009, we advised you that a \$50.00 fee was due for the completed investigation of your Water Permit No. 5951-3. The fee also covers issuance of your water license which is the final document in obtaining and perfecting a water permit.

To date, we have not received the fee and therefore can not issue the water license. Your licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by any permit requirements.

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact Genny McMath with our program at (605) 773-3352. The check or money order for the fee should be made payable to the "Water Rights Program".

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 1/19, 20 10

RECEIVED OF Dan Christensen 28324 St Hwy 19 Hurley SD 57036

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	50	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>5951-3</u>		
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	50 00

No. 04384

By

Larson Erbe
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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APR 27 2010

5951-3

Dan Christensen
28324 SD Hwy 19
Hurley SD 57036

Dear Mr. Christensen:

Enclosed is your Water License No. 5951-3. 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. 5951-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5951-3

(1) Dan Christensen, 28324 SD Hwy 19, Hurley SD 57036 made Application No. 5951-3, August 14, 1996 for a water permit to divert 2.28 cubic feet of water per second from ground water – one well, Parker Centerville Aquifer, Turner County, South Dakota for irrigation purposes. Permit No. 5951-3, with a priority date of August 14, 1996 was approved September 30, 1996 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before September 30, 2001 and for the application to beneficial use of said water on or before September 30, 2005.

(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 1.78 cubic feet of water per second for beneficial use. The location of the diversion point is 1,320 feet south and 1,355 feet west of the NE corner of Section 26, T98N, R53W (approximate center of the NE ¼).

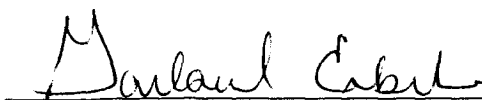
(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 26, T98N, R53W			
NW ¼ NE ¼	33 acres	NE ¼ NE ¼	33 acres
SW ¼ NE ¼	33 acres	SE ¼ NE ¼	33 acres
Total 132 acres			

(4) Pursuant to South Dakota Water Law 46-5-30.1 Dan Christensen, 28324 SD Hwy 19, Hurley SD 57036 the holder and/or owner of Water Right No. 5951-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from ground water – one well, Parker Centerville Aquifer with a priority date of August 14, 1996 from the location specified in (2) of this license for irrigation of the land described above.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 5951-3 and subject to the following qualifications:

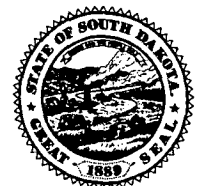
- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 5951-3 shall be constructed by a licensed well driller and construction 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 (*well drilled by Reiners Well Drilling in 1997*).
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



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

APR 27 2010

date



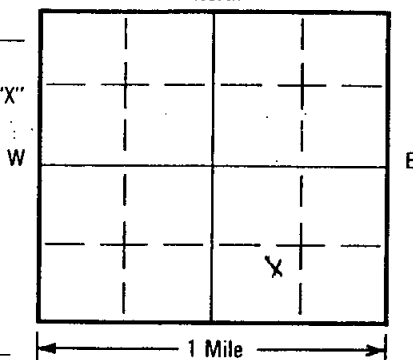
Replacement Well SOUTH DAKOTA WATER WELL COMPLETION REPORT

5951-3 07-92

Location SW 1/4 SE 1/4 Sec 26 Twp 98-N Rg 53-W

County Turner

Please mark well location with an "X"



Well Completion Date

8-1-14

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 3/4 mile ft. from Acres Home (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket-False Casing

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>25 LB/FT</u>	<u>4 1/4 IN</u>	<u>1 FT</u>	<u>31 FT</u>	<u>20 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement</u>	_____	_____ lb./gal	<u>0 ft</u>	<u>8 ft</u>
<u>Bedrock</u>	<u>4</u>	_____ lb./gal	<u>8 ft</u>	<u>10 ft</u>

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 14 IN Length 20 FEET

Material 160 Class

Slot Size 080 Set From 31' Feet to 51 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: Chlorine

Laboratory sent to for water quality analysis _____ NO, Why Not? in pack

Well Owner: Daniel Christensen

Business Name: _____

Address: PO Box 235

Hunter, South Dakota 57036

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Sandy Topsoil</u>	<u>0</u>	<u>1</u>
<u>Red Sand</u>	<u>1</u>	<u>7</u>
<u>Grey Gravel</u>	<u>7</u>	<u>34</u>
<u>Finer Gravel</u>	<u>24</u>	<u>41</u>
<u>Coarse Grey Gravel</u>	<u>41</u>	<u>51'4"</u>

STATIC WATER LEVEL 10' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: Sub

☐ Bailed _____

☐ Other _____

Pumping Level Below Land Surface

20' ft. After 1 Hrs. pumped 800 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS Good Well

RECEIVED

DEC 24 2014

WATER RIGHTS PROGRAM

This well was drilled under license # 111

And this report is true and accurate.

Drilling firm Lacey Well Drilling Inc.

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____