

WATER PERMIT NO. 6564-3

Name of Applicant: Roger Hansen

Address: Box B, Centerville SD 57014

Phone: 605 563-2212

Amount of Water Claimed: 2.83 cfs

Total Acres: 228 acres

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Clay

Type of Waste Disposal System:

Location: 5 miles south of Centerville

PRIORITY

Date Received: 1-4-05

Application/License Fee: \$325

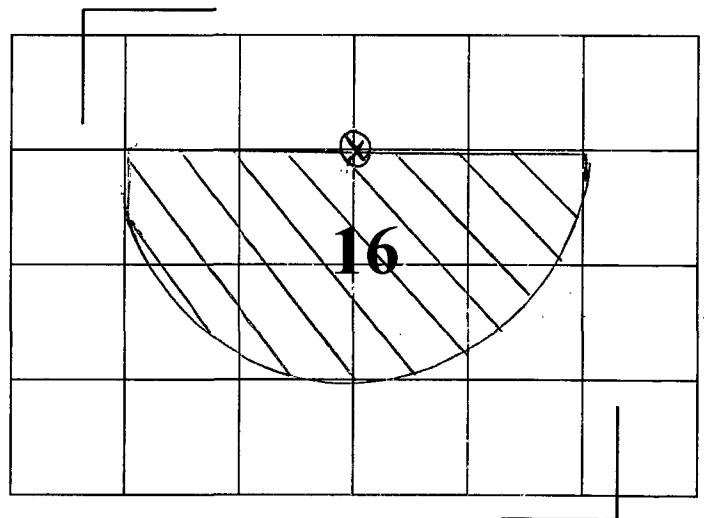
Corrected Application Received:

Period of Annual Use: April 1 – October 31

Remarks:

Diversion Point: 1320 feet S of N ¼ Sec 16-T95N-R52W

Land to be Irrigated: S ½ NW ¼, S ½ NE ¼, N ½ SW ¼, N ½ SE ¼ Sec 16-T95N-R52W



Depth of Well: 158 feet deep

Well Driller:

Remarks:

Type of Map: aerial

Prepared by: Keith Janton, Clay Co FSA

Reviewed and the Number Assigned on: 1-11-05

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6564-3</u> (office use only) Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Vermillion Plain Talk</u>

RECEIVED
JAN - 4 2005
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.)

Roger A Hansen, dba

1. Name of Applicant Roger Hansen Properties Phone 605-563-2212
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address Box B Centerville State SD 57014
(Street, RR, or Box and City) (Zip Code)

2. Amount of water claimed 2.83 *CFS or 1275 **GPM ***AF Total Acreage 199 228
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable

3. Source of water supply Ground Water

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Clay
1320' south of the N 1/4 of Section 16, T95N R52W

5. County or counties where water will be used Clay

6. Annual period during which water is to be used April 1 - October 31

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

Land Description	Acres	Land Description	Acres
<u>See Attachment</u>			

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

Establish new pivot as shown on map. pivot will have a diameter of 5280'.
End guns will be off at roads.

STATE OF SOUTH DAKOTA) SS
County of Hughes

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

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

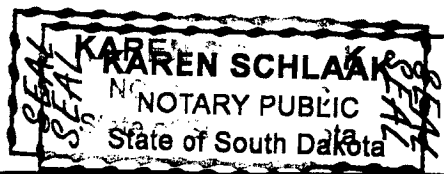
Applicant's signature Roger A. Hansen

Subscribed and sworn to before me this 4th day of January 20 05

Karen Schlaak
Notary Public signature

4-2000

My Commission Expires
April 1, 2007



ATTACHMENT

Roger Hansen's water permit application for irrigation in Section 16, T95N, R52W

Explanation:

Develop irrigation in a portion of Section 16, T95N, R52W. The pivot will be $\frac{1}{2}$ section pivot that makes a windshield wipe rotation. This acreage was once covered under cancelled Water Permit No. 3546-3

All in Section 1⁶~~7~~, T95N, R52W

SW $\frac{1}{4}$ NW $\frac{1}{4}$	34 acres	NW $\frac{1}{4}$ SW $\frac{1}{4}$	10 acres
SE $\frac{1}{4}$ NW $\frac{1}{4}$	40 acres	NE $\frac{1}{4}$ SW $\frac{1}{4}$	32 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$	40 acres	NW $\frac{1}{4}$ SE $\frac{1}{4}$	32 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$	34 acres	NE $\frac{1}{4}$ SE $\frac{1}{4}$	10 acres



228

**SOUTH DAKOTA
WATER PERMIT NO. 6564-3**

Date of first receipt of application January 4, 2005.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6564-3 to Roger A Hansen, dba Hansen Properties, Box B, Centerville SD 57014 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. 6564-3 appropriates 2.83 cubic feet of water per second from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located 1320 feet south of the N ¼ Section 16 to irrigate 228 acres located in the S ½ NW ¼, S ½ NE ¼, N ½ SW ¼, N ½ SE ¼ Section 16; all in T95N-R52W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is January 4, 2005.
4. The date of approval of Permit No. 6564-3 is March 14, 2005.
5. One-fifth of the construction is to be completed on or before September 14, 2007.
6. All construction is to be completed on or before March 14, 2010.
7. Water is to be put to beneficial use on or before March 14, 2014.
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. 6564-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele

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

APR 01 2005

date



(type or print in ink)

1. Well Information - Proposed Construction

- a) - Drill Hole Diameter 32" Depth 158'
- b) Casing Type Plastic Diameter 16" Thickness sch 40
- c) Screen Type Plastic Diameter 16" Thickness sch 40
- d) Gravel Pack Road Gravel Length of Gravel Pack 50'
- e) Depth to Top of Water Bearing Material Gravel a 92' down to 158'
- f) Depth to Water (ground surface to water level) 60'
- 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) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

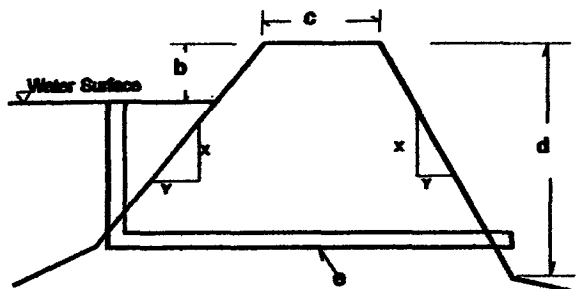
3. Dugout Information

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

4. Water Storage Dams

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

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



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

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date January 6, 20 05

RECEIVED OF Roger Hansen, PO Box B, Centerville SD 57014

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

Fee for Application for Permit No. <u>11564-3</u> to Appropriate Water, to construct and to put water to beneficial use	275	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>11564-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	325.00

No.

001009

By

Darlene Eide

Chief Engineer

gm



United States Department of Agriculture
Farm Service Agency

16-95-52

Keith Smith CED

April 5, 2004

Clay County



1997 Digital Orthophotography - Not To Scale

No. 6564-3

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Water Permit Application No. 6564-3, Roger Hansen

ADDRESS:, Centerville SD COUNTY: Clay

DATE: January 21, 2005 TELEPHONE:

RE: Number of acres to be irrigated

COMMENTS:

Mr. Hansen called to confirm that the number of acres to be irrigated by this system is 228 acres.
He asked that I amend the application accordingly.

NAME: Eric Threlkeld



CRWS

Clay Rural Water System

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MAR 14 2005

WATER RIGHTS
PROGRAM

GM

30376 SD Hwy. 19
Wakonda, SD 57073-6416
605-267-2088
FAX 605-267-2085

March 10, 2005

Water Rights Program
ATTN: Chief Engineer
Foss Building – 523 East Capitol
Pierre SD 57501

Hansen Properties
POB B
Centerville SD 57014

RE: Applications to Appropriate Water

To Whom It May Concern:

The Clay Rural Water System has taken note of the eleven applications to appropriate water in Riverside Township, Clay County and would like to provide comment.

The proposed site of these diversions is within two to six miles of the Clay Rural Water System well field. All but one of the diversions is located in the same aquifer - the Lower Vermillion-Missouri - as the Clay Rural Water well field.

Our initial concern regarding these applications is the impact it could have on the Clay Rural Water Systems' sole supply. Clay Rural Water supplies water to over 4,200 residents in southeast South Dakota.

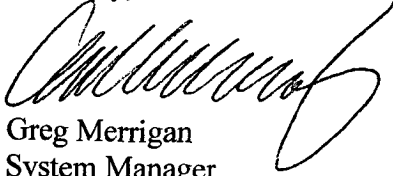
The applications request total withdrawals of 21.2 cubic feet per second. In discussions with Jim Goodman of your program, indications are that this withdrawal is not of concern for this aquifer. Mr. Goodman states that no safe withdrawal rate has been set for the aquifer, as the current diversion is not significant. Clay Rural Water acknowledges these statements.

An additional concern is that of possible use of the irrigation units for chemigation. The proposed diversions are located within one to five miles of the Clay Rural Water Source Water Protection Area. As chemigation can present a direct link to the aquifer in the event of an equipment malfunction, the possible threat to the aquifer could be significant. The Clay Rural Water System requests that any chemigation from these units require a permit and be routinely monitored.

In closing, the requested diversions are a substantial increase in the amount of irrigation that has historically taken place in this area. We hope DENR will review them closely and monitor all activity granted as a result of approval of the applications.

Thank you for the opportunity to comment and please contact me if you have any additional questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Merrigan', with a large, stylized flourish at the end.

Greg Merrigan
System Manager



CRWS

Clay Rural Water System

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MAR 17 2005

WATER RIGHTS
PROGRAM

30376 SD Hwy. 19
Wakonda, SD 57073-6416
605-267-2088
FAX 605-267-2085

March 15, 2005

Water Rights Program
ATTN: Chief Engineer
Foss Building – 523 East Capitol
Pierre SD 57501

Hansen Properties
POB B
Centerville SD 57014

RE: Applications to Appropriate Water

To Whom It May Concern:

This letter is a follow up to my letter of March 10, 2005 regarding the Applications to Appropriate Water from Hansen Properties in Riverside Township, Clay County.

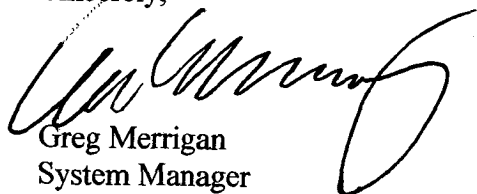
I have had the opportunity to meet with Mr. Hansen and discuss the applications. At his request I am writing this letter to clarify our comments.

The Clay Rural Water System is not opposed to the issuance of these permits and is not requesting a hearing before the Water Rights Board. We are not requesting the applicant obtain a special permit for any chemigation activities, only that it be inspected and regulated as per existing DENR protocol.

The intent of our original letter was to make our concerns known. If existing DENR regulations are followed it appears the diversions will not have an adverse effect on the Clay Rural Water System or its members.

Thank you again for the opportunity to comment and please contact me if you have any additional questions.

Sincerely,



Greg Merrigan
System Manager

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MAR 23 2005

WATER RIGHTS
PROGRAM

March 21, 2005

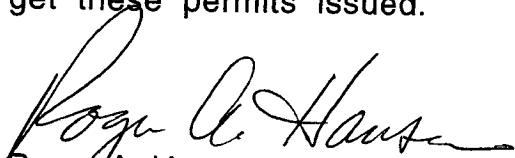
Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre, SD 57501-3181

Re: Water appropriation applications # 6563-3 through # 6573-3

Dear Eric,

Upon further discussion with my attorney, we will be recording the eleven water appropriation permits. To be most correct and cover any previously discussed forms, the permits should be issued in the name of: Roger A. Hansen, dba Hansen Properties, P.O. Box B, Centerville, SD (Ph. # 605-563-2212) Hansen Properties is a sole proprietorship of Roger A. Hansen, not a corporation or L.L.C.

Thank you for your assistance in the various steps along the way to get these permits issued.

A handwritten signature in black ink, appearing to read "Roger A. Hansen", written in a cursive style.

Roger A. Hansen
dba Hansen Properties

March 22, 2005

Water Management Board
ATTN: Chief Engineer
Foss Building - 523 E. Capital
Pierre, SD 57501

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MAR 25 2005

WATER RIGHTS
PROGRAM

Hansen Properties
PO Box B
Centerville, SD 57014

RE: Applications to Hansen Properties to Appropriate Water; Clay County

To Whom It May Concern:

As a rural resident, customer of rural water, and landowner in Clay County, I have noted the 11 applications by Hansen Properties to appropriate water in Riverside Township, Clay County. I have also sought information from officials of the state Water Management Board, the South Dakota Geological Survey and the Clay Rural Water System in an effort to determine whether the proposed water appropriation would be in the public interest, as required by state water rights laws and regulations.

Though no safe withdrawal rate has been determined, both Jim Goodman, state Groundwater Supervisor, and Derric Iles of SD Geological Survey indicated their belief that, given the capacity of the Missouri-Lower Vermillion Aquifer, the withdrawal of 21.2 cubic feet per second will not pose a threat to the public water supply.

I have not, however, received satisfactory assurance from any of the several persons with whom I have spoken, that the use of the proposed irrigation systems for the application of chemicals and fertilizer will not pollute the aquifer, which is vital to the 4,200 residents who rely on the Clay Rural Water System. Given that no alternative source of water is available to county residents, I believe that the public interest, protected by state law, must ensure that no pollution of the aquifer be allowed.

Borings by the SD Geological Survey indicate that in at least four of the 10 sections for which permits are requested -- sections 11, 14, 22 and 28 -- the Missouri-Lower Vermillion is a shallow aquifer, possibly as near as 10 to 20 feet below the surface, and with little or no clay layer between the very porous sand and gravel soil and the water, a condition that presents the possibility of nitrogen or chemicals leaching into the aquifer, especially if water and or chemicals are over-applied, or in the case of equipment malfunction.

I understand that the SD Geological Survey has two monitoring wells in section two of Riverside Township, and that in the shallower of these two wells, nitrates above the drinking water standard of 10 milliliters per liter were detected in 2002. But these monitoring wells are up-gradient from the proposed 11 well sites, so they would not be likely to detect any pollution that might occur as a result of the proposed

developments.

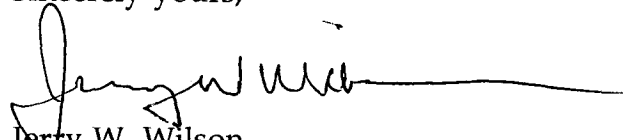
I understand that the Chief Engineer has tentatively determined that this project is in the public interest. I do not know whether the approval of these permits could lead to degradation of water quality for residents of Clay County at any future time, but if the county's water supply is in any way put at risk by this very large project, then I question whether the approval is in the public interest, or only a private interest.

I propose that one or two conditions be attached if these applications are to be approved:

1. Stipulate that no chemigation of any sort will be allowed over the shallow aquifer; and/or
2. Establish a monitoring well or wells down-gradient (i.e., between the closest of the proposed wells and the well-field of the Clay Rural Water System), and stipulate that any increase in nitrates or chemical pollutants detected by the monitoring well(s) will trigger the shut-down of these wells.

Thank you for your defense of the public interest. Nothing is more important to the public this year, in 10 years, in 100 years and far beyond, than clean, safe water.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jerry W. Wilson", with a long horizontal flourish extending to the right.

Jerry W. Wilson
30959 Frog Creek Road
Vermillion, SD 57069



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 31, 2005

Jerry W. Wilson
30959 Frog Creek Road
Vermillion SD 57069

Dear Mr. Wilson:

The Water Rights Program received your letter regarding the eleven permit applications to appropriate water for irrigation filed by Roger Hansen. Since your letter was submitted after the March 14, 2005, published date to file a petition to intervene a hearing will not be scheduled before the Water Management Board. Water Rights law directs the Chief Engineer to issue the water permits as recommended.

We do however note your concerns regarding potential pollution to the aquifer from applying of chemicals and fertilizer through the irrigation systems. There are state requirements that irrigators, who apply chemicals through an irrigation system, must follow to prevent the sort of concerns which you express. These rules are intended to protect the environment by prohibiting the back flow of fluid towards the water source and shutting down the system if any component malfunctions. A copy of these rules is attached.

The handling, disposal, transportation and storage of fertilizers and pesticides are subject to additional requirements administered by the South Dakota Department of Agriculture. I encourage you contact the Department of Agriculture at (605) 773-4432 if you have questions on the regulations they administer.

If you have any questions on the water right permitting process, please feel free to contact us.

Sincerely,

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

enclosure

c: Roger Hansen, Box B, Centerville SD 57014

REPORT ON WATER PERMIT APPLICATION NO. 6564-3

For Roger Hansen

January 28, 2005

Application No. 6564-3 proposes to appropriate 2.83 cfs (1270 gpm) from a well approximately 158 feet deep located approximately 1320 feet south of the N $\frac{1}{4}$ corner of section 16 to irrigate an 228 acres located in the S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$ of section 16; all in T95N R52W in Clay County.

AQUIFER – LOWER VERMILLION MISSOURI (LVM)

The Lower Vermillion Missouri is a buried outwash (sand and gravel) that is probably under artesian conditions at this site. The aquifer underlies 100,800 acres and contains an estimated 1.5 million acre-feet of recoverable water in storage in Clay County (Hedges, 1982). The aquifer extends into Turner and Lincoln County to the north (where it blends into the Parker Centerville and Upper Vermillion Missouri aquifers), to the south where the aquifer blends into the Missouri Elk Point aquifer and also the aquifer is hydraulically connected to the Vermillion River. The aquifer appears to be under slightly confined conditions at this site but generally behaves like it is under water table conditions over most of Clay County. Ground water movement has a basic component of northwest to southeast with locally movement toward the Vermillion River (Christensen, 1967). This means most of the time the river is a discharge zone for ground water.

There is no test well for this application. A well completion report located about one-half mile east of the proposed well site indicates sand and gravel from 92 to 158 feet with a 60 feet static water level. That well was capable of producing 800 gpm with 25 feet of drawdown (specific capacity of 32 gpm/ft of drawdown). This is not a high specific capacity for a well in this area. Also, it appears from the county study mapping that the aquifer could be as much as 150 to 175 feet thick in this area (Christensen, 1967).

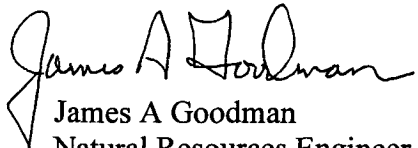
The Water Rights Program monitors an observation well CL-66A located just three-fourths mile southeast of the well for this application. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. A hydrograph of this observation well is included with this report. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2005).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are two existing irrigation wells (Water Right Nos. 5319-3 and 1569-3) located within three fourths mile of the well for this application. Also there are three water permit applications that will have wells located approximately one mile from the well for this application. Interference is not expected to be a problem. The observation well record presently does not indicate that drawdown created by pumping is significant. This is shown by the observation well hydrograph.

CONCLUSIONS

1. Water is available from the Lower Vermillion Missouri aquifer.
2. The aquifer appears to be under slightly artesian conditions at this site however, the aquifer behaves like a water table situation. Interference is not a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. No test wells were drilled for this application however there is sufficient information available from the county study, nearby wells and observation well drilling to evaluate this application.
5. It is assumed that the effective priority date for application Nos. 6563-3 through 6573-3 would be arranged by the permit number. That is first priority would be 6563-3 and the last priority would be 6573-3 all following in numerical order.



James A Goodman
Natural Resources Engineer

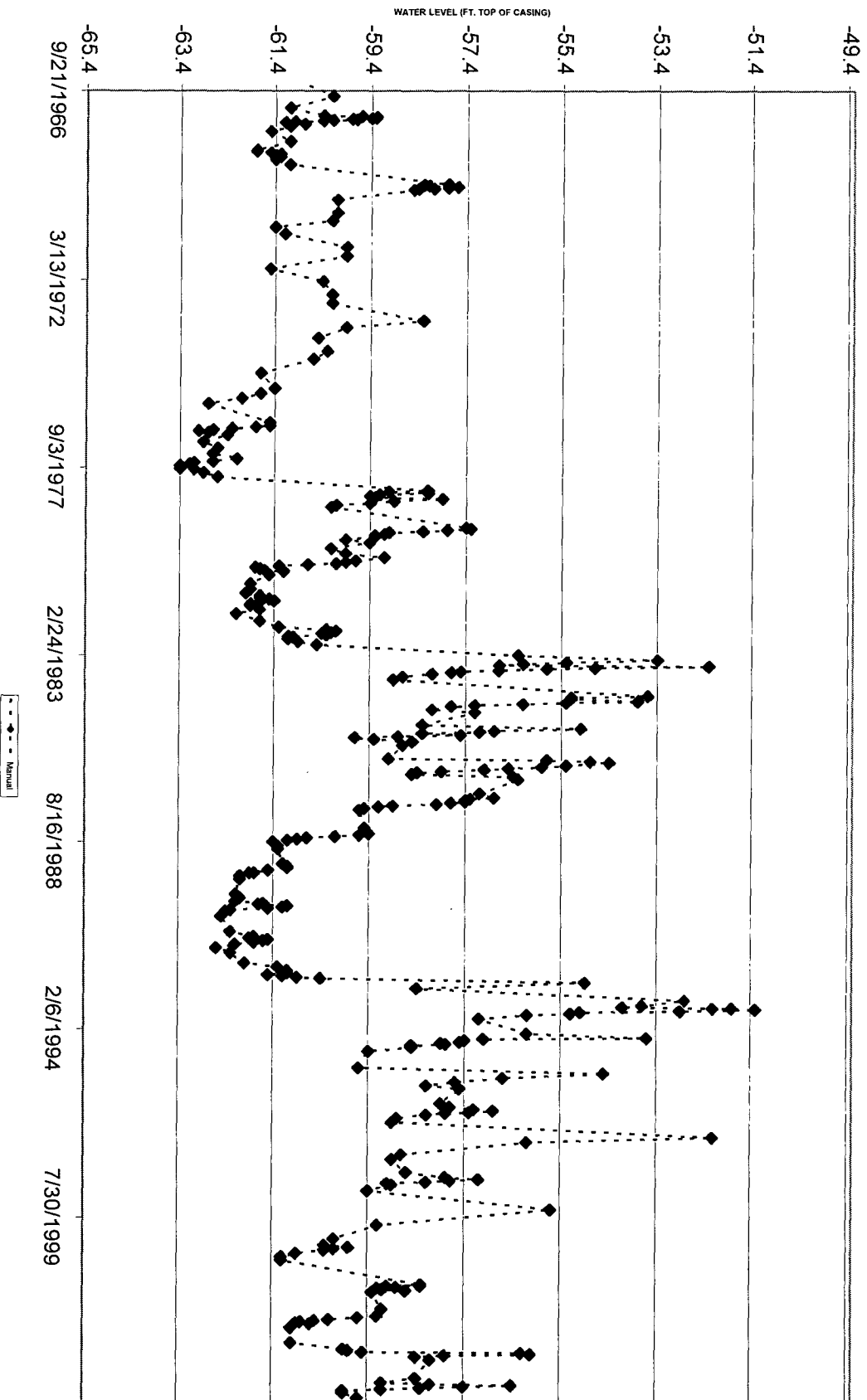
BIBLIOGRAPHY

Christensen, C.M., J.C. Stephens, 1967, Geology and Water Resources of Clay County, South Dakota, Bulletin 19, Part II Water Resources, SD DENR, SDGS, Vermillion, SD, 57069.

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

Water Rights, 2005, Unpublished Observation Well Data for Clay County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
CL-66A





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6564-3, Roger Hansen**

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. 6564-3, Roger Hansen, Box B, Centerville SD 57014.

The Chief Engineer is recommending APPROVAL of Application No. 6564-3 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. 6564-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
February 17, 2005

AFFIDAVIT OF PUBLICATION

State of South Dakota, County of Clay, ss.

Penny Tucker

Being first duly sworn, deposes and says: That he/she is a resident of the County of Clay and State of South Dakota; that

THE PLAIN TALK

is a legal newspaper of general circulation, printed and published in Vermillion, in said County and State, by Broadcaster Press, Inc., and is now and has been such newspaper continuously during all the times hereinafter mentioned; that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit: and that the notice and advertisement headed:

NOTICE OF APPLICATIONS TO

APPROPRIATE WATER

Application No. 6563-3

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least once in each week

for 2 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two-hundred paid copies weekly, and had been published in the said county of Clay for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Vermillion, the said place of publication; that the first publication of said notice in said newspaper as aforesaid

was on Friday, the 25th day of February 20 05, and that the succeeding publications were severally

on Friday, the 4th day of March, 20 05,

on Friday, the _____ day of _____, 20 _____,

on Friday, the _____ day of _____, 20 _____,

on Friday, the _____ day of _____, 20 _____,

that the fees charged for the printing and publication of the said notice and advertisement in said newspaper as aforesaid were

One hundred thirteen dollars and 44 cents

and that said fees for the printing and publishing of said notice and advertisement have been fully paid; that the full amount of the fee charged for the publishing of the said attached annexed notice and advertisement inures to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Penny Tucker

Subscribed and sworn to before me

this 4th day of March, 20 05

Joan E. Wheeler

My Commission Expires
April 17, 2005

Notary Public

RECEIVED

MAR - 9 2005

WATER RIGHTS
PROGRAM

NOTICE OF APPLICATIONS TO APPROPRIATE WATER

Notice is given that Hansen Properties, Box B, Centerville SD 57014 has filed eleven applications for water permits to irrigate in Clay County. Specifics on each application are as follows:

Application No. 6563-3 proposes to appropriate an additional 1.56 cubic feet of water per second (cfs) and irrigate 248 additional acres to what is currently authorized by Water Right No. 1569-3. Water Right No. 1569-3 is currently diverting 1.78 cfs from one existing well completed into the Lower Vermillion Missouri Aquifer (158 feet deep) located in the SW 1/4 NW 1/4 Section 15 to irrigate 132 acres located in the NW 1/4 Section 15, T95N-R52W. Water Permit No. 6009-3 changed the well location to the present location. This application proposes to appropriate an additional 1.56 cfs from the existing well to irrigate an additional 248 acres located in the N 1/2 and SW 1/4 Section 15-T95N-R52W. When developed, a total of 3.34 cfs will be appropriated from this existing well to irrigate 380 acres.

Application No. 6564-3 proposes to appropriate 2.83 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located 1320 feet south of the N 1/4 Section 16 to irrigate 228 acres located in the S 1/2 NW 1/4, S 1/2 NE 1/4, N 1/2 SW 1/4, N 1/2 SE 1/4 Section 16; all in T95N-R52W.

Application No. 6565-3 proposes to appropriate 1.94 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the center of the NW 1/4 Section 21 to irrigate 136 acres located in the NW 1/4 Section 21; all in T95N-R52W.

Application No. 6566-3 proposes to appropriate 1.22 cfs from one well completed into the Lower Vermillion Missouri Aquifer (44 feet deep) located in the SE 1/4 NW 1/4 Section 14 to irrigate 86 acres located in the NW 1/4, NE 1/4 SW 1/4 Section 14; all in T95N-R52W.

Application No. 6567-3 proposes to appropriate 0.56 cfs from two wells completed into the Lower Vermillion Missouri Aquifer (approximately 75 feet deep) located 1320 feet north of the S 1/4 Section 14 (existing well authorized by Water Right Nos. 229-3 and 974-3) and in the SW 1/4 SW 1/4 Section 14 to irrigate 39 acres located in the W 1/2 SW 1/4, SE 1/4 SW 1/4 Section 14; all in T95N-R52W.

Application No. 6568-3 proposes to appropriate an additional 0.86 cfs to irrigate an additional 60 acres to what is currently developed under Water Permit No. 3543-3. Water Permit No. 3543-3 is currently diverting 1.52 cfs from one well completed into the Parker Centerville Aquifer (45 feet deep) located in the NE 1/4 SW 1/4 Section 11 and irrigates 107 acres developed in the SW 1/4 Section 11, T95N-R52W. This application proposes to appropriate an additional 0.86 cfs from the existing well to irrigate 60 additional acres located in the SW 1/4, W 1/2 SE 1/4 Section 11-T95N-R52W. If approved, the application will accommodate the installation of a larger windshield wiper pivot on the property.

Application No. 6569-3 proposes to appropriate 1.11 cfs from two wells completed into the Lower Vermillion Missouri Aquifer (one approximately 42 feet deep, the other 150 feet deep) located in the N 1/2 SW 1/4 Section 22 (existing well authorized by Water Right Nos. 215-3 & 973-3) and the NW 1/4 NW 1/4 Section 22 to irrigate 42 acres located in the N 1/2 NW 1/4, SW 1/4 NW 1/4 Section 22; all in T95N-R52W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

Application No. 6570-3 proposes to appropriate 1.11 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the center of the SW 1/4 Section 10 to irrigate 55 acres located in the SW 1/4 Section 10; all in T95N-R52W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

Application No. 6571-3 proposes to appropriate 3.56 cfs from two wells to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the centers of the SW 1/4 and SE 1/4 Section 27 to irrigate 250 acres located in the SW 1/4 and N 1/2 SE 1/4, SW 1/4 SE 1/4 Section 27; all in T95N-R52W.

Application No. 6572-3 proposes to appropriate 1.33 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the W 1/2 SE 1/4 Section 28 to irrigate 78 acres located in the SE 1/4 Section 28; all in T95N-R52W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

Application No. 6573-3 proposes to appropriate 1.84 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the NE 1/4 SW 1/4 Section 28 to irrigate 130 acres located in the SW 1/4, S 1/2 NW 1/4 Section 28; all in T95N-R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 and 6573-3 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 applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the Chief Engineer's recommendations. If a petition opposing the application or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider the applications. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting these applications or recommendations must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendations. 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 March 14, 2005.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, 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.

Publish: February 25 & March 4, 2005

Instruction to Newspaper - Publish first Notice on February 25, 2005 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATIONS TO APPROPRIATE WATER

Notice is given that Roger Hansen, Box B, Centerville SD 57014 has filed eleven applications for water permits to irrigate in Clay County. Specifics on each application are as follows:

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Application No. 6565-3 proposes to appropriate 1.94 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the center of the NW $\frac{1}{4}$ Section 21 to irrigate 136 acres located in the NW $\frac{1}{4}$ Section 21; all in T95N-R52W.

Application No. 6566-3 proposes to appropriate 1.22 cfs from one well completed into the Lower Vermillion Missouri Aquifer (44 feet deep) located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14 to irrigate 86 acres located in the NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 14; all in T95N-R52W.

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(continued)

Application No. 6570-3 proposes to appropriate 1.11 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the center of the SW ¼ Section 10 to irrigate 55 acres located in the SW ¼ Section 10; all in T95N-R52W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

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Application No. 6573-3 proposes to appropriate 1.84 cfs from one well to be completed into the Lower Vermillion Missouri Aquifer (approximately 158 feet deep) located in the NE ¼ SW ¼ Section 28 to irrigate 130 acres located in the SW ¼, S ½ NW ¼ Section 28; all in T95N-R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 and 6573-3 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. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the Chief Engineer's recommendations. If a petition opposing the application or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider the applications. Notice of the hearing will be given to the applicant and any person filing a petition.

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DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 17, 2005

Vermillion Plain Talk
PO Box 256
Vermillion SD 57069-0256

ATTENTION: Legal Public Notice

Enclosed is a Notice of Application to Appropriate Water to be published twice. Please publish the first notice on February 25, 2005 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Roger Hansen, Box B, Centerville SD (Ph # 605-563-2212).

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

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

Nos. 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3
6572-3, 6573-3

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

Date _____

We are in receipt of your letter of February 17, 2004 enclosing Notice to Appropriate Water by Application Nos. 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3, 6573-3 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

February 17, 2005

Roger Hansen
Box B
Centerville SD 57014

Dear Mr. Hansen:

Water Permit Application Nos. 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 & 6573-3 for irrigation use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Vermillion Plain Talk printed at Vermillion, SD (Ph # 605-624-2695). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the 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 and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the 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.



APR 01 2005

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Roger A Hansen
Hansen Properties
Box B
Centerville SD 57014

Dear Mr. Hansen:

Enclosed are Water Permit Nos. 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 and 6573-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,

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

enclosures



6564-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

January 26, 2007

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

NOTICE

TO: HANSEN PROPERTIES, ROGER A HANSEN, PO BOX B, CENTERVILLE, SD 57014

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

SUBJECT: Reporting Requirement for 2006 Irrigation Questionnaires

Our records indicate that the 2006 Irrigation Questionnaires have not been submitted. The request for the Questionnaires was dated October 20, 2006. The Water Management Board has directed that owners of water permits who have not submitted the 2006 Irrigation Questionnaires be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine if Permit No(s) 215-3, 229-3, 973-3 & 974-3 should be amended to require the Questionnaire to be submitted each year and to determine action to be taken for violation of Water Permit No(s) 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 & 6573-3 qualification:

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

The hearing will be held at 10:30 am, March 7, 2007 in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD, and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 6563-3, 6564-3, 6565-3, 6566-3, 6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 & 6573-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Amend Permit No(s) 215-3, 229-3, 973-3 & 974-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
3. Postpone any action or take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is(are) received in this office on/or before March 1, 2007, you will no longer be in violation of your permit and your name will be deleted from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352. If you prefer, you can complete the questionnaire on-line at the following link:

<https://www.state.sd.us/eforms/secure/eforms/E0455V5-IQ.pdf>

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



700 BROADWAY CENTERVILLE SOUTH DAKOTA 57014
PHONE (605) 563-2212 FAX (605) 563-2640

2-8-07

Jenny -

I HAVE RENTED my Ground
to KEN LESS FROM Merrill, IA. for
the last 3 years. I won't be
renting to him next year And
He's Not Happy About it. I'm
Enclosing a copy of a note I sent
him 10/31/06 with the questionnaires
Asking him to get them filled
out and returned to you. When
you called & said they had not
Arrived, I finally found out from
him that He had not filled them
out or sent them. Retaliation
I Guess.

I am finally able to get the
info together so it know these
are late.

Roger Hansen

RECEIVED

FEB 12 2007



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 13, 2007

Roger A Hansen
Hansen Properties
PO Box B
Centerville SD 57014

RE: Water Permit/Right Nos. 215-3, 229-3, 973-3, 974-3, 6563-3, 6564-3, 6565-3, 6566-3,
6567-3, 6568-3, 6569-3, 6570-3, 6571-3, 6572-3 & 6573-3

Dear Mr. Hansen:

I am writing to acknowledge receipt of your 2006 irrigation questionnaires. You may disregard the January 26, 2007, "Notice" concerning reporting requirements for the water permits and rights listed above. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

Thank you for the note concerning the difficulties you had with obtaining the information from your past renter. The forms you completed are fine and nothing more is needed for last season. The 2007 questionnaires will be mailed to you in October 2007.

If you have any questions, please contact me.

Sincerely,

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

WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

NAME: Hansen Properties

ADDRESS: Box B Centerville SD

DATE: August 13, 2007

TELEPHONE: 563-2212

RE: Irrigation of property not covered by permit

COMMENTS:

On August 13, 2007, Karen Bjordal called concerning the property in the N½NE¼ section 16-T95N-R52W. A portion of this area was being irrigated by an irrigation system owned by Hansen Properties located on the adjoining property. According to Ms. Bjordal, three towers of the pivot were crossing the property line into the N½NE¼ section 16.

In response to the complaint I contacted Roger Hansen who acknowledged the pivot had crossed the property line and steps had been taken to prevent that in the future. The pivot is now equipped with both a software and a mechanical switch to prevent the pivot from crossing the property line. Mr. Hansen indicated in the midst of getting 19 irrigation systems set up that the necessary fine tuning of switches was taking some time but the problem should now be fixed.

I left a message on the phone for Jon Bjordal indicating that the problem should not occur in the future and to let me know if he had any questions.



Ron Duvall
Natural Resources Engineer
Water Rights Program