

WATER PERMIT NO. 6240-3

Name of Applicant: Terry Wieting

Address: 39512 193rd St, Hitchcock SD 57348

Phone: 605 266-2881

Amount of Water Claimed: 1.88 cfs

Total Acres: 132

Source of Water Supply: groundwater (2 wells)

Water to be used for: irrigation

County: Beadle

Type of Waste Disposal System:

Location: 8 miles southeast of Hitchcock

PRIORITY

Date Received: 11-9-2000

Fee: \$250

Corrected Application Received::

Period of Annual Use: April 1 – Oct 31

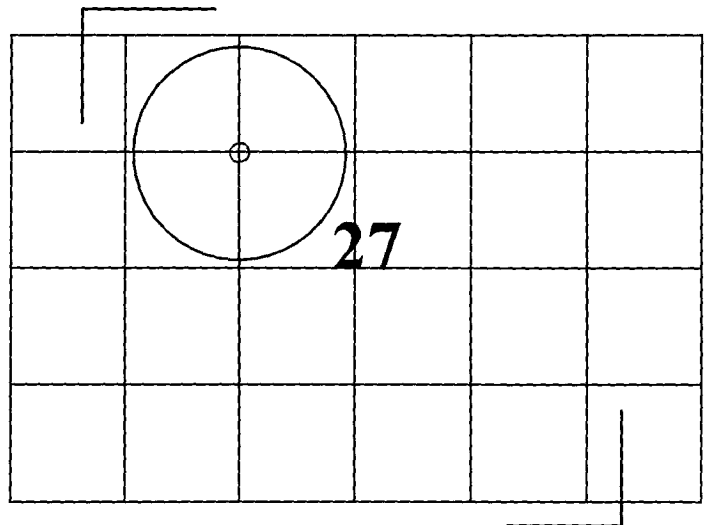
Remarks:

Diversion Point: center of NW ¼

Sec 27-T113N-R62W

Land to be Irrigated: NW ¼

Sec 27-T113N-R62W



Depth of Well: 100 feet deep

Well Driller: : _

Remarks: log not available

Type of Map: topo

Prepared by: Ron Duvall

Reviewed and the Number Assigned on: 11-13-2000

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 6240-3

Date of first receipt of application November 9, 2000.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6240-3 to Terry Wieting, 39512 193rd St, Hitchcock SD 57348 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. 6240-3 appropriates 1.88 cubic feet of water per second from two wells (Tulare Hitchcock Aquifer) approximately 100 feet deep located near the center of the NW ¼ of Section 27 to irrigate 132 acres located in the NW ¼ Section 27; all in T113N-R62W.
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 November 9, 2000.
4. The date of approval of Permit No. 6240-3 is February 12, 2001.
5. One-fifth of the construction is to be completed on or before August 12, 2003.
6. All construction is to be completed on or before February 12, 2006.
7. Water is to be put to beneficial use on or before February 12, 2010.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 6240-3 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: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

MAR 13 2001

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	No. <u>6240-3</u>	(office use only) Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>	
	Newspaper <u>The Plainsman, Huron</u>	



Application For Permit To Appropriate Water For Irrigation

Type of Application: X New Vested Right Amendment/Correction to Permit No.

(Use predates Mar 2, 1955)

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

- Name of Applicant Terry Wieting Phone 266-2881
(check one) X Owner Tenant/lessee
Mailing Address 39512 193rd Str, Hitchcock State SD 57348
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.88 *CFS or **GPM ***AF Total Acreage 132
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply ground water 2 wells
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) Near center of
NW 1/4 sec 27-113N-62W
County Beadle
- County or counties where water will be used Beadle
- Annual period during which water is to be used Apr 1 - Oct 31
- List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NW 1/4 27-113N-62W</u>	<u>132</u>		

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

STATE OF SOUTH DAKOTA) SS
County of Hughes

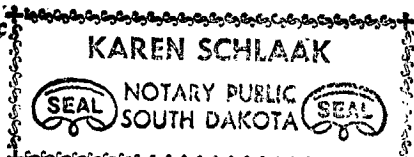
Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Terry Wieting, 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 Terry Wieting

Subscribed and sworn to before me this 9th day of November 20 00

KAREN SCHLAACK, Notary Public
My Commission Expires
April 1, 2001
4-2000



Karen Schlaack
Notary Public signature

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

see attached test hole logs & examination of
works for No. 246-3

- a) Drill Hole Diameter _____ Depth ~100'
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- 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 _____

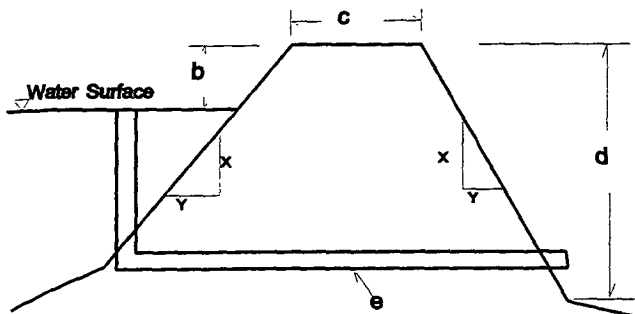
3. Dugout Information

- 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:

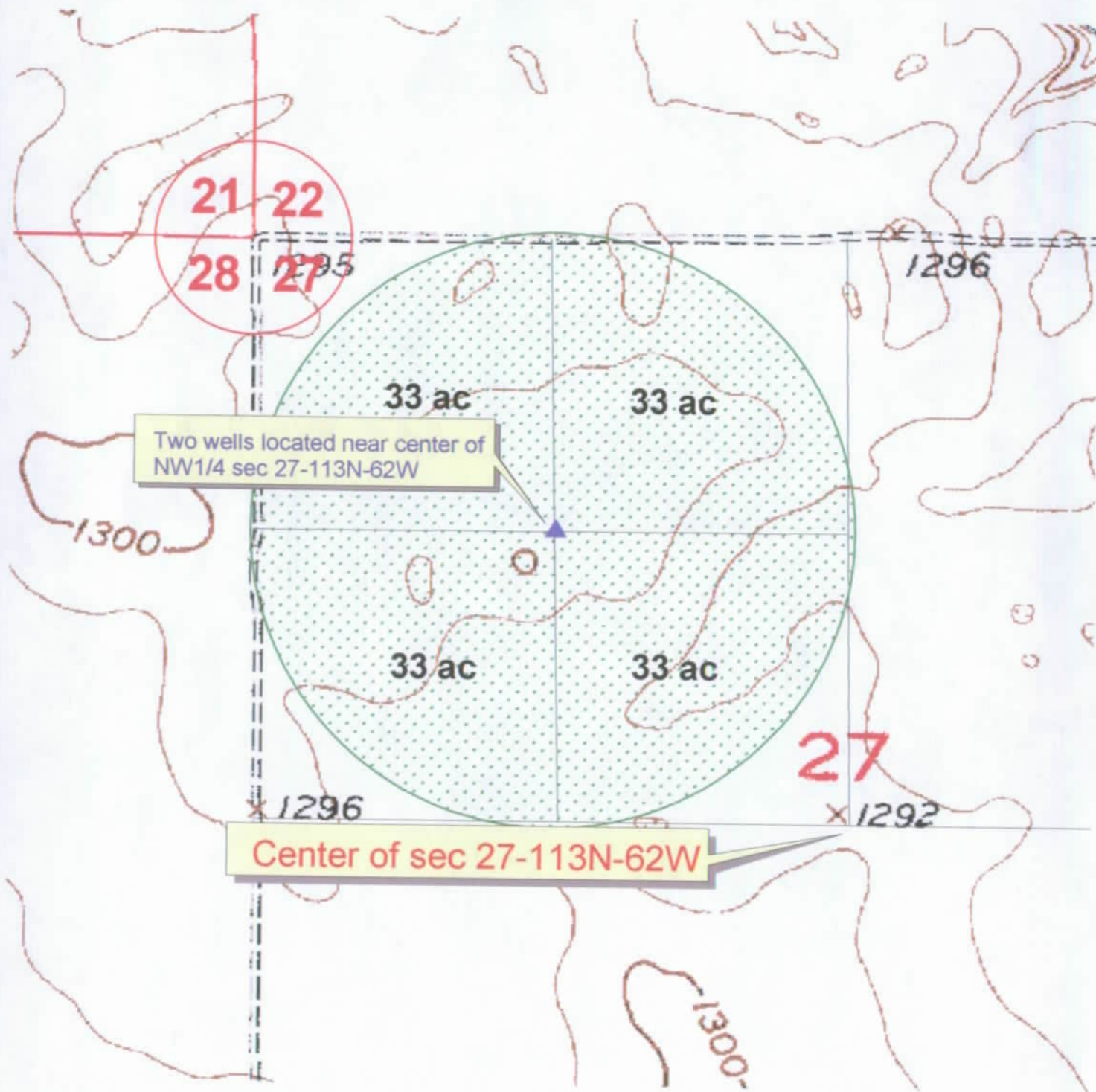


- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage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

07-92

JAN 2002
WATER RIGHTS
PROGRAM
Pierre, SD

700 0 700 Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Ron Duvall, Nat Res Engineer
Nov 9, 2000

Application No. 6240-3

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

N2 416686

Pierre, November 9, 2000

RECEIVED OF Terry Wieting, 19312 396th Ave, Hitchcock SD 57348
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. 4240-3 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. 4240-3 _____

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

300 00

By

Marlene E. Kelle
Chief Engineer

K5



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6240-3, Terry Wieting**

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. 6240-3, Terry Wieting, 39512 193rd Street, Hitchcock SD 57348.

The Chief Engineer is recommending APPROVAL of Application No. 6240-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 6240-3 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.

Garland Erbele, Chief Engineer

REPORT ON WATER PERMIT NO. 6240-3
for Terry Wieting
January 5, 2001

Application No. 6240-3 proposes to appropriate 1.88 cfs (846 gpm) from two wells approximately 100 feet deep located near the center of the NW 1/4 of section 27 to irrigate 132 acres located in the NW 1/4 of section 27, all in T113N R62W in Beadle County.

AQUIFER - TULARE HITCHCOCK (T-H)

The Tulare Hitchcock aquifer is a predominantly surficial outwash (sand and gravel) which is under water table conditions over most of Spink and Beadle Counties. The aquifer underlies 53,800 acres and contains an estimated 333,000 acre feet of recoverable water in storage in Beadle County (Hedges, 1982). The aquifer extends into Spink County to the north and is also hydraulically connected to the Tulare Western Spink aquifer to the northwest. Ground water movement is basically from west to east across this area and toward the James River (Emmons, 1988). Recharge has been estimated at 0.83 inches per year (Kuiper, 1984) which equates to an annual recharge volume of 6,640 acre feet in Spink County and 3,721 acre feet in Beadle County for the Tulare Hitchcock aquifer. The total recharge for the Tulare Hitchcock aquifer is about 10,361 acre feet per year and the average water use for the last 21 years has been about 5,290 acre feet per year. In five of the last 21 years, water use exceeded the estimated average annual recharge to the Beadle County portion of the Tulare Hitchcock aquifer. Most of that water use occurred in an area 7 to 10 miles south of this application. Pumping from that area of the aquifer would not affect this area of the aquifer directly.

No test well information was supplied with this application for the NW 1/4 of section 27. There is test hole data available for the SW 1/4 and the SE 1/4 of section 27 and there is an existing irrigation located in the NE 1/4 of section 27 all in T113N R63W. This information indicates that there is a likelihood that the aquifer is present in this area.

The Water Rights Program does monitor an observation well, BD-80C, which is located about one-half mile east of this application. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years and gradually declining water levels during dry years. A hydrograph for this observation well is included with this report. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2001).

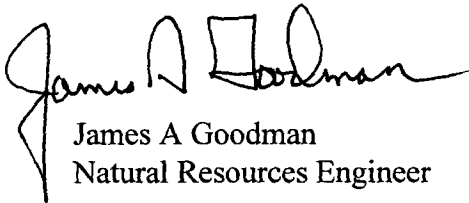
REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is one existing Water Right No. 246-3 located within one-half mile of this application. This right is also held by the applicant. Interference is not expected to be a concern but is difficult to judge because no test well information has been submitted. Some of the information indicates the aquifer may be under confined conditions which

would mean more drawdown would be created but other information, like the observation log and water level record, would indicate water table conditions and there is very little fluctuation of water levels in the historical record. In either instance the nearest existing well is also the applicants and water levels can be managed when the new well is developed and tested.

CONCLUSIONS

1. Water is available from the Tulare Hitchcock aquifer.
2. The aquifer is probably under water table conditions in this area. Drawdown is not expected to be significant and interference will not be a concern.
3. The water level record indicates that the aquifer is capable of sustaining additional withdrawals. However, estimated for recharge to the aquifer indicate that at during some years recharge to the aquifer in Beadle County is not sufficient to supply the amount of water pumped. Any additional permit applications in Beadle County will need to scrutinized carefully.
4. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.

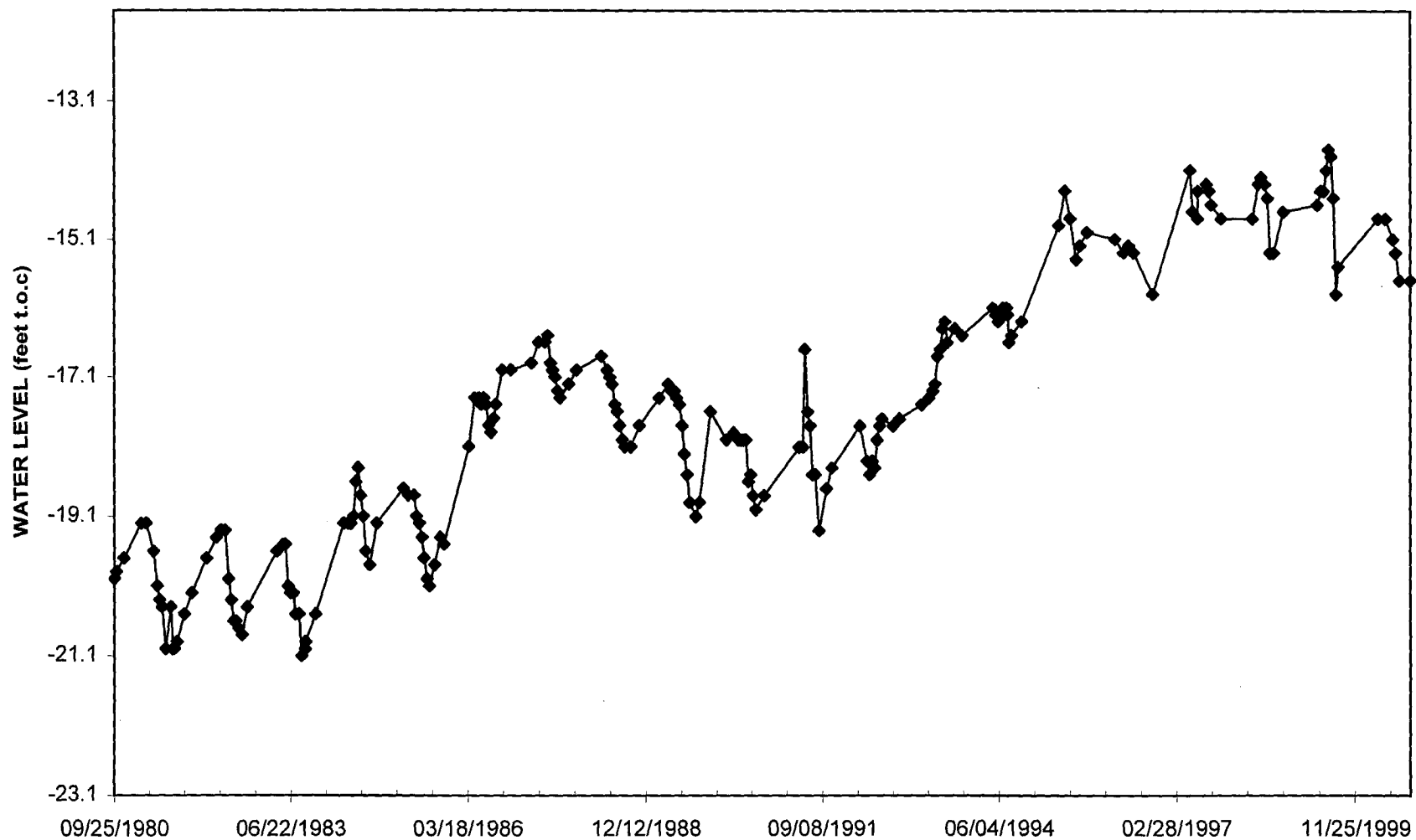


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Emmons, P.J., 1988, A Digital Simulation of the Glacial-Aquifer System in Sanborn and Parts of Beadle, Miner, Hansen, Davison, and Jerauld Counties, South Dakota, WRI 87-4082, USGS, Huron, SD, 57350.
- Hedges, L.S., etal, 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Kuiper, L., 1984, Appraisal of the Water Resources of the Eastern Part of the Tulare Aquifer, Beadle, Hand, and Spink Counties, South Dakota, WRI 84-4078, USGS, Huron, SD, 57350.
- Water Rights, 2001, Unpublished Observation Well Data for Beadle County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

**WATER RIGHTS' OBSERVATION WELL
BD-80C**





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 17, 2001

The Plainsman
PO Box 1278
Huron, SD 57350-1278

ATTENTION: Legal Public Notice

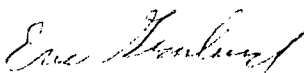
Enclosed is a Notice of Hearing on Application No. 6240-3 to Appropriate Water to be published twice. Please publish the first notice on January 24, 2001 with the second publication 7 days later.

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 Terry Wieting, 39512 193rd St, Hitchcock, SD 57348 (Ph # 605-266-2881).

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

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

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 6240-3

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

Date _____

We are in receipt of your letter of January 17, 2001 enclosing Notice of Hearing to Appropriate Water by Application No. 6240-3 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.

January 17, 2001

Terry Wieting
39512 193rd St
Hitchcock, SD 57348

Dear Mr. Wieting:

Water Permit Application No. 6240-3 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 The Plainsman printed at Huron, SD (Ph # 605-692-6271). 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.

Instruction to Newspaper - Publish first Notice on January 24, 2001 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6240-3 to Appropriate Water

Notice is given that Terry Wieting, 39512 193rd St, Hitchcock SD 57348 has filed an application for a water permit to appropriate 1.88 cubic feet of water per second from two wells (Tulare Hitchcock Aquifer) approximately 100 feet deep located near the center of the NW ¼ of Section 27 to irrigate 132 acres located in the NW ¼ Section 27; all in T113N-R62W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6240-3 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.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6240-3 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 February 12, 2001.

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

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SSCounty of Beadler)I, Leshie Frasercertify that the attached printed Notice was
takenfrom the Plainsmanprinted and published in HuronCounty of Beadler and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

January 24, 2001January 31, 2001Cost of Printing \$94.32Leshie Fraser
(Signature)Office Manager
(Title)February 1, 2001
(Date Signed)F.P. 01/24/01 L.P. 01/31/01
NOTICE OF APPLICATION
NO. 6240-3 TO APPROPRIATE
WATER

Notice is given that Terry Wieting, 39512 193rd St., Hitchcock, SD 57348 has filed an application for a water permit to appropriate 1.88 cubic feet of water per second from two wells (Tulare Hitchcock Aquifer) approximately 100 feet deep located near the center of the NW 1/4 of Section 27 to irrigate 132 acres located in the NW 1/4 Section 27; all in T113N-R62W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6240-3 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.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6240-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

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interested person or the applicant must be filed by February 12, 2001.

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

Steven M. Pirner, Secretary
Department of Environment and
Natural Resources.
29125-9432 No. 27 (adv.)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAR 13 2001

Terry Wieting
39512 193rd St.
Hitchcock, SD 57348

Dear Mr. Wieting:

Enclosed is Water Permit No. 6240-3 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

Permit No. 6240-3
James 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, **September 2, 2006**, made a thorough examination of the water use system constructed by **Terry Wieting** of **39512 193rd St., Hitchcock, SD 57348** holder of Permit No. **6240-3**, bearing the priority of **November 9, 2000** authorizing the diversion of **1.88** cu. ft. per second of the waters of the **Tulare:Hitchcock Aquifer** for **Irrigation** purposes, in **Beadle** County.

Inspection contact & relationship to permit holder, if applicable: **Terry Wieting (266-2881)**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Huron Drilling Inc**
- 2) No. of Wells **2**
- 3) Depth(s) **62 & 65** feet
- 4) Well log is available **Y**
- 5) Comment: There are two well logs available from Huron Drilling for this project. However, from where they marked the location of the wells on the well log, it is unclear as to which well each log belongs. Also, the wells are not in the NW ¼ of Section 27 as originally proposed for the project. The two wells are in the NE ¼ of Section 27. In the report, the west well will be known as Well 1, and the east well will be Well 2.

Well 1:

Casing:

- 1) Diameter **12** inches
- 2) Length **47** feet
- 3) Type **Plastic**

Screen:

- 1) Type **304 Stainless Steel**
- 2) Length **15** feet
- 3) Static water level **22** feet

Well 2:

Casing:

- 1) Diameter 8 inches
- 2) Length 45 feet
- 3) Type Plastic

Screen:

- 1) Type PVC
- 2) Length 20 feet
- 3) Static water level 25 feet

Pumps:

- 1) Make (2) Grundfos submersibles
- 2) Size 20 hp
- 3) Capacity 350 GPM

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:

Well 1: Approximately 1250 feet south and 925 feet west of the NE corner of Section 27-T113N-R62W (N 44.57121, W -98.26443) (NE 1/4 NE 1/4)

Well 2: Approximately 1225 feet south and 550 feet west of the NE corner of Section 27-T113N-R62W (N 44.57126, W -98.26267) (NE 1/4 NE 1/4)

The works are capable of diverting and conveying to the place of use 1.56 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 27-T113N-R62W

NW ¼ NW ¼ - 33 acres

NE ¼ NW ¼ - 33 acres

SW ¼ NW ¼ - 33 acres

SE ¼ NW ¼ - 33 acres

comprising a total of 132 acres of land and the license should be issued for 1.56 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: May 31, 2007

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Terry Wieting

ADDRESS: 39512 193rd St.

DATE: May 31, 2007

COUNTY: Beadle

TELEPHONE: (605) 266-2881

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The ground water source is the same as originally permitted and the diversion rate is within the amount appropriated by the water permit. Water Permit No. 6240-3 originally appropriated 1.88-cfs of water from two wells (Tulare:Hitchcock aquifer) located in the approximate center of NW1/4 Section 27-T113N-R62W. On September 2, 2006, during inspection of the permit, the two wells were located in the NE ¼ Section 27-T113N-R62W. The exact location and GPS waypoints are given in the inspection report.

- **If irrigation, no new land is irrigated**

The same land is being irrigated as authorized by the permit.

- **Review of Existing Diversions**

There is one existing water right located within one-half mile of the wells. Water Right No. 246-3 is also held by Terry Wieting which is authorized to divert water from the Tulare:Hitchcock aquifer. Since the nearest existing well is also Mr. Wietings, water levels can be managed if interference occurs. Ground water movement in this area is from west to east towards the James River. There are no water rights between the James River and Mr. Wietings wells.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the diversion point(s) be licensed as developed.



Mike DeFea, Natural Resources Engineer
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



Garland Erbele, Chief Engineer
Water Rights Program

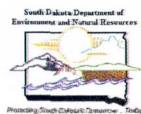
Terry Wieting
39512 193rd St
Hitchcock, SD 57348
266-2881

Water Permit No. 6240-3



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
May 31, 2007



0 365 730 1,460 2,190 2,920 Feet



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

AUG 01 2007

6240-3

Terry Wieting
39512 193rd St
Hitchcock SD 57348

Dear Mr. Wieting:

Enclosed is Water License No. 6240-3. This is the final water right document completing your process of obtaining a Water Right. Also included with your license is a map prepared by the staff engineer who conducted the 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. 6240-3, 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. 6240-3

(1) Terry Wieting, 39512 193rd St, Hitchcock SD 57348 made Application No. 6240-3, November 9, 2000 for a water permit to divert 1.88 cubic feet of water per second from groundwater (two wells), Beadle County, South Dakota for irrigation purposes. Permit No. 6240-3, with a priority date of November 9, 2000 was approved February 12, 2001 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 12, 2006 and for the application to beneficial use of water on or before February 12, 2010.

An investigation conducted for licensing purposes found the wells under Water Permit No. 6240-3 were not in the location authorized by the permit. Pursuant to SDCL 46-5-13.1, the Chief Engineer makes a finding that the change in location of diversion points does not increase the potential for interference with existing water rights.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 6240-3 is issued a license, bearing a priority date of November 9, 2000 to appropriate 1.56 cubic feet of water per second from groundwater (two wells) to irrigate 132 acres.

The diversion points are located: Well # 1 – 1,250 feet south and 925 feet west of the northeast corner (NE ¼ NE ¼) and Well #2 – 1,225 feet south and 550 feet west of the northeast corner (NE ¼ NE ¼); of Section 27-T113N-R62W. The acres authorized for irrigation are as follows:

Section 27-T113N-R62W	NW ¼ NW ¼	33 acres
	NE ¼ NW ¼	33 acres
	SW ¼ NW ¼	33 acres
	SE ¼ NW ¼	33 acres
Total 132 acres		

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6240-3 including the following now applicable qualifications:

- The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The wells authorized by Permit No. 6240-3 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.
- 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

AUG 01 2007

date



6240-3



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 9, 2021

Terry Wieting
40270 Riverbend Lane
Huron, South Dakota, 57350

Dear Mr. Wieting:

I am writing in regard to Water Right Nos. 6240-3 and 246-3 and the request to change the location of a diversion point or the addition of a diversion point.

Water Right No. 6240-3 is licensed to divert 1.56 cubic feet of water per second (cfs) from two wells located in the NE ¼ Section 27-T113N-R62W. Water Right No. 246-3 is licensed to divert 1.34 cfs and utilizes a well near the center of the NE ¼ Section 27. All three wells are tied together to supply water to the pivots in the N ½ of Section 27-T113N-R62W and the wells only operate one pivot at a time. The water is from the Tulare: Western Spink/Hitchcock aquifer and is for irrigation use. The new well is to be constructed in the approximate center of the eastern boundary of the NE ¼ Section 27-T113N-R62W. In order to utilize the same water source, the proposed well cannot be drilled to a depth greater than 100 feet. If the new well provides sufficient water, then the well near the center of the NE ¼ will be abandoned and plugged as per Chapter 74:02:04, Well Construction Standards.

Upon review of the request and pursuant to SDCL 46-5-13.1, the change in diversion point location or addition of a diversion point are authorized without application or publication of a notice of hearing pursuant to SDCL 46-2A-4. The combined pump rate from all the wells may not exceed the authorized amount of 700 gpm under Water Right No. 6240-3 or the 600 gpm under Water Right No. 246-3.

If you have any questions, please contact Blaise Hansen at (605) 773-3786.

Sincerely,

Eric Gronlund, Chief Engineer
Water Rights Program

Approval of Location Change of Diversion Point

NAME: Terry Wieting

ADDRESS: 40270 Riverbend Ln, Huron, SD, 57350

DATE: April 8, 2021 **COUNTY:** Beadle **TELEPHONE:** (605) 350-5142 (cell)

BACKGROUND:

Water Right No. 6240-3 originally authorized a diversion rate of 1.88 cfs of water from the Tulare: Western Spink/Hitchcock aquifer from two wells to be located in the NW ¼ to irrigate 132 acres in the NW ¼, all in Section 27-T113N-R62W. On September 2, 2006, during the field inspection of the permit, the two wells were found to be actually located in the NE ¼ Section 27-T113N-R62W and found to be capable of diverting 1.56 cfs of water. On May 31, 2007, the diversion point correction (location change) was approved and Water Right 6240-3 is currently licensed to divert 1.56 cfs for the irrigation of 132 acres with a priority date of November 9, 2000. A third well exists near the center of the NE ¼ Section 27 and was constructed to supply water to acreage in the NE ¼ covered by Water Right No. 246-3. During a phone conversation, Mr. Wieting indicated that this well and the two covered by Water Right No. 6240-3 are all tied together to supply water to the pivots in the N ½ of Section 27-T113N-R62W. The wells can only operate one pivot at a time.

Mr. Wieting has submitted a request to change a diversion point location or add a diversion point depending on the performance of the new well. The new well is to be constructed in the approximate center of the eastern boundary of the NE ¼ Section 27-T113N-R62W. If the new well provides sufficient water, then the well near the center of the NE ¼ will be plugged. If not, then a smaller pump may be installed in the well in the center and it will continue to be used along with the other two existing wells and the new well to be drilled in the approximate center of the eastern boundary of the NE ¼ Section 27-T113N-R62W.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The water source remains the Tulare: Western Spink/Hitchcock aquifer if the proposed well is drilled to a depth no greater than 100 feet. The request for the change in well location or an additional well may not result in the diversion of either the 700 gpm of water currently authorized under Water Right No. 6240-3 or the 600 gpm authorized under Water Right No. 246-3 to be exceeded. If so, no additional water will be appropriated.

- **If irrigation, no new land is irrigated**

The acreage authorized for irrigation under Water Right Nos. 6240-3 and 246-3 will remain unchanged.

- **Review of Existing Diversions**

A review of domestic wells and existing water rights was conducted in the surrounding area of the proposed diversion point. Based on the Water Rights Program's well log database, there are eight wells within 0.5 mile of the proposed diversion point with the closest at approximately 0.16 mile to the southwest. A review of water rights shows that the nearest permitted wells, authorized by Water Right Nos. 246-3, 4794C-3, and 6240-32, are all located within 0.2 mile of the proposed diversion point. All of these wells appear to be under confined conditions which indicates that drawdown from pumping could extend for a distance from the pumped well and possibly increase the potential for adverse effects on neighboring wells. However, the majority of these wells, in particular the wells closest to the proposed diversion point, are maintained by the applicant which means the water levels can be managed by the applicant when the new well is developed and put to use.

There was a well interference complaint, in 1959, regarding the adverse impact of pumping on neighboring wells from Water Permit No. 246-3. This issue was resolved by lowering pump in the domestic well affected. There are no other complaints relating to pumping on file with the Water Rights Program.

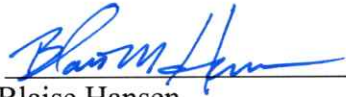
The Water Rights Program maintains observation well BD-80C approximately 0.2 mile north of the proposed diversion point. The hydrograph for this well shows that water levels in the aquifer have been stable and rising over the period of record. Water levels respond in a predictable pattern to climatic precipitation changes by rising during wet periods and declining during drier periods. The hydrograph also shows that the aquifer consistently recovers its water level after the irrigation season is finished. This all indicates that climatic conditions rather than pumping are the prevailing influence on the water level in the aquifer. Therefore, it is not anticipated that drawdown created by pumping this proposed diversion will adversely impact existing wells.

CONCLUSION

- The change in location of diversion point or addition of a diversion point does not appropriate additional water or request additional acres for irrigation.
- The well is to be completed into the Tulare: Western Spink/Hitchcock aquifer.
- Existing domestic wells or water rights will not be adversely impacted by authorizing this change or addition of diversion point.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the change in location of a diversion point or addition of a diversion point be authorized under Water Right Nos. 6240-3 and 246-3.



Blaise Hansen
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

The change in location of diversion point or addition of a diversion point does not increase the potential for adverse effects to existing diversions.



Eric Gronlund, Chief Engineer
Water Rights Program

PAID

MAR 17 2021

Ck# 1319

RECEIVED

MAR 17 2021

WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. _____ (office use only) Hydrologic Unit _____
	Basin _____
	Newspaper _____

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 6240-3
(Use predates Mar 2, 1955)

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

Add diversion point or change one depending on what I get for well1. Name to Appear on Irrigation Permit Terry Wieting**Note:** The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.Mailing Address 40270 Riverbend Ln Huron Sd 57350
(Address) (City) (State) (Zip Code)Phone 6053505142 Mobile 6053505142 Email twieting@venturecomm.net2. Amount of water claimed _____ *CFS or _____ **GPM _____ ***AF Total Acreage _____
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)3. Source of water supply Tulare western Spink Hitchcock aquifer4. Location of point of diversion 1 well on the east side of the n1/2 sec 27 113-62

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

County beadle5. County or counties where water will be used beadle6. Annual period during which water is to be used May-Sept7. 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)

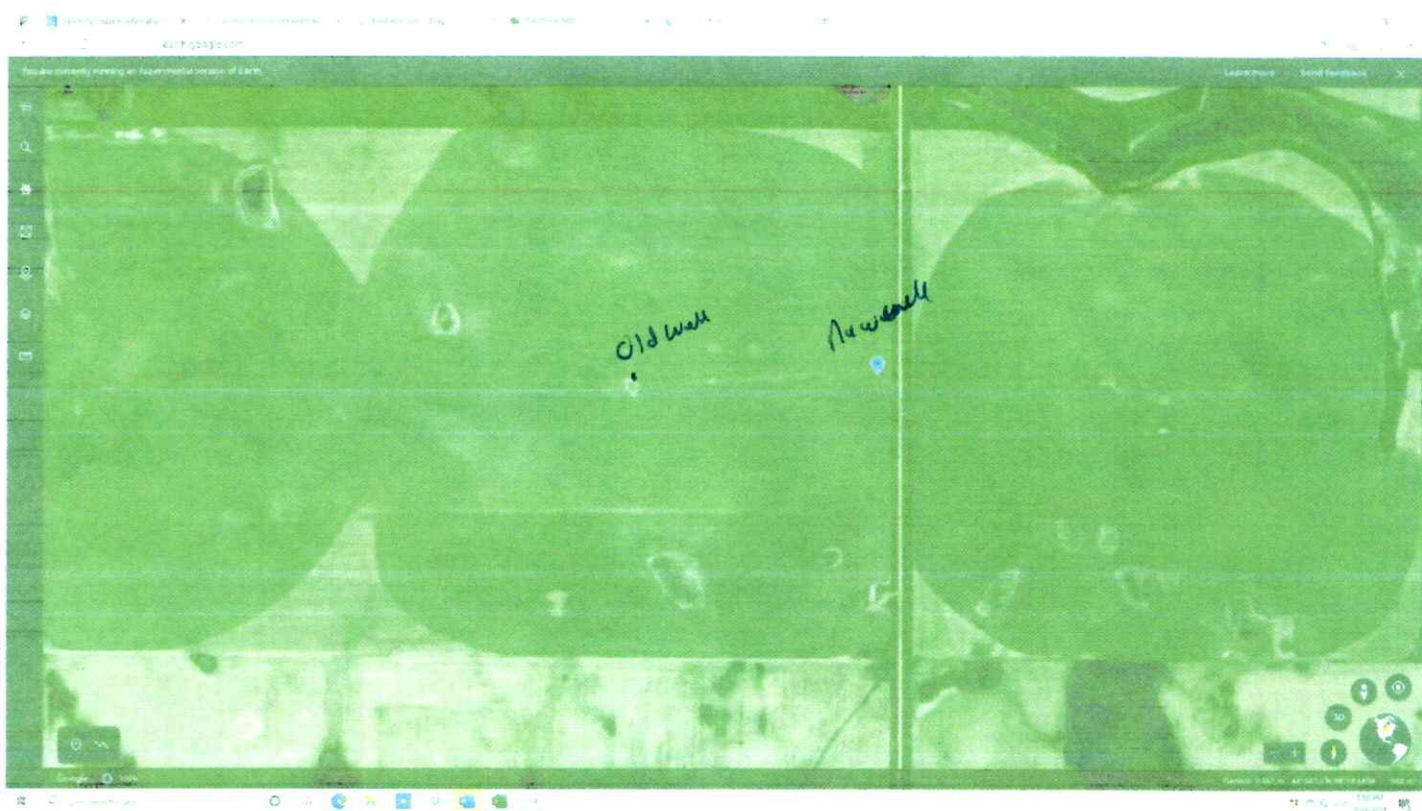
Land Description	Acres	Land Description	Acres

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

Currently 3 wells service sec 27. 18 years ago a well went bad in the center. I have dug one twice in the center and just not the same. Starts at 400gpm and in a couple days in is pumping air and maybe down to 200-300 max with air and sand. Would like to dig a well opposite to east side and see what I get. If well is good and does not affect the other 2 I would plug the center well. Other wise just use two 10-15 HP submersibles to get that 200 each and together I get 400gpm.

I, Terry Wieting Owner, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.



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version of Earth. Lea

