

WATER PERMIT NO. 6333B-3

Name of Applicant: **Peterson Farms**

Address: **19111 Maple Ave, Hitchcock SD** Phone: **605 266-2793**

Amount of Water Claimed: **1.89** Total Acres: **134**

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

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

Type of Waste Disposal System:

Location: **6 east of Hitchcock**

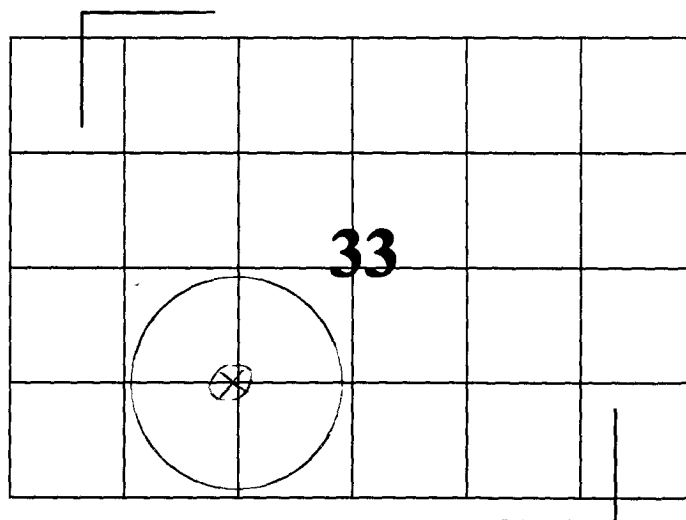
PRIORITY Date Received: **8-14-07** Application/License Fee: **\$100**

Corrected Application Received: Period of Annual Use: **April 1 – November 30**

Remarks: **transfer acres and diversion point**

Diversion Point: **center SW ¼ Sec 33-T114N-R62W**

Land to be Irrigated: **SW ¼ Sec 33-T114N-R62W**



Depth of Well: **70 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Eric Gronlund**

Reviewed and the Number Assigned on: **8-16-07**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

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>6333B-3</u> (office use only) Hydrologic Unit <u>10160066</u>
	Basin <u>James River</u>
	Newspaper <u>Redfield Press P.O. Box 440</u>
	<u>605-472-0822</u> <u>Redfield 57469</u>

RECEIVED

AUG 14 2007

WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 6333-3

(Use predates Mar 2, 1955)

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

Transfer 132 acres from the SE 1/4 and 2 acres from the NW 1/4 Section 21, T113N, R63W to irrigate a center pivot located in the SW 1/4 Section 33, T114N, R62W

1. Name of Applicant Peterson Farms Phone (605) 266-2793
 (check one) ☐ Owner ☐ Tenant/lessee
- Mailing Address 19111 Maple Avenue Hitchcock State SD 57348
 (Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 850 *CFS or 850 **GPM 134 ***AF Total Acreage 134
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply groundwater
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Spink
 approx. center of the SW 1/4 Section 33, T114N, R62W
5. County or counties where water will be used Spink
6. Annual period during which water is to be used April 1 - November 30
7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
 (Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
NE 1/4 SW 1/4 Section 33, T114N, R62W	33.5		
NW 1/4 SW1/4 Section 33, T114N, R62W	33.5		
SW 1/4 SW 1/4 Section 33, T114N, R62W	33.5		
SE 1/4 SW1/4 Section 33, T114N, R62W	33.5		

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

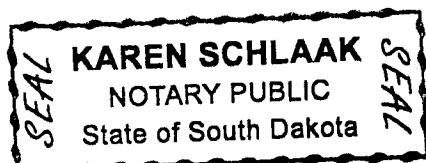
Proposing to transfer this acreage to different acres for economic purposes. This land has electrical line nearby enabling easier and cheaper set-up of an irrigation system

STATE OF SOUTH DAKOTA)

County of Hughes

SS

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, Lenny Peterson, 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 Lenny PetersonSubscribed and sworn to before me this 14th day of August 20 07
Karen Schlaak
 Notary Public signature

My Commission Expires 4/1/13

**SOUTH DAKOTA
WATER PERMIT NO. 6333B-3**

Date of first receipt of application August 14, 2007.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6333B-3 to Peterson Farms, 19111 Maple Ave, 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. 6333B-3 transfers the diversion authority of 1.89 cubic feet of water per second (cfs) to a well to be completed in the Tulare:Hitchcock Aquifer located in the center of the SW ¼ Section 33 and transfer 134 of the authorized acres to the SW ¼ Section 33; T114N-R62W. This transfer constitutes moving the center pivot approximately 7 miles to the northeast of the presently authorized site. No increase in the diversion rate or number of acres irrigated is authorized by this permit.
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 – November 30.
3. The date from which applicant may claim right is June 21, 2002 (established by No. 6333-3).
4. The date of approval of Permit No. 6333A-3 is October 29, 2007.
5. All construction is to be completed on or before December 4, 2007.
6. Water is to be put to beneficial use on or before December 4, 2011.
7. 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 new well authorized by Permit No. 6333B-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. The applicable portions of Water Permit No. 6333-3 are incorporated into Permit No. 6333B-3.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

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

NOV 05 2007
date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 16" Depth 70'
- 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 approx. 70' west (Oscar)

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

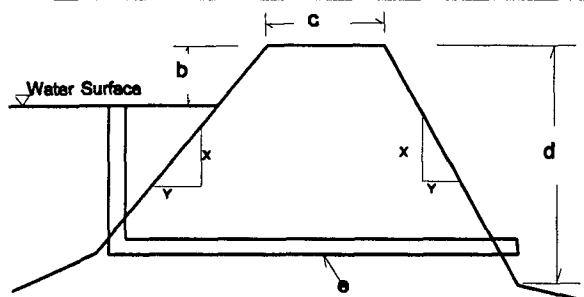
3. Dugout Information

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

4. Water Storage Dams

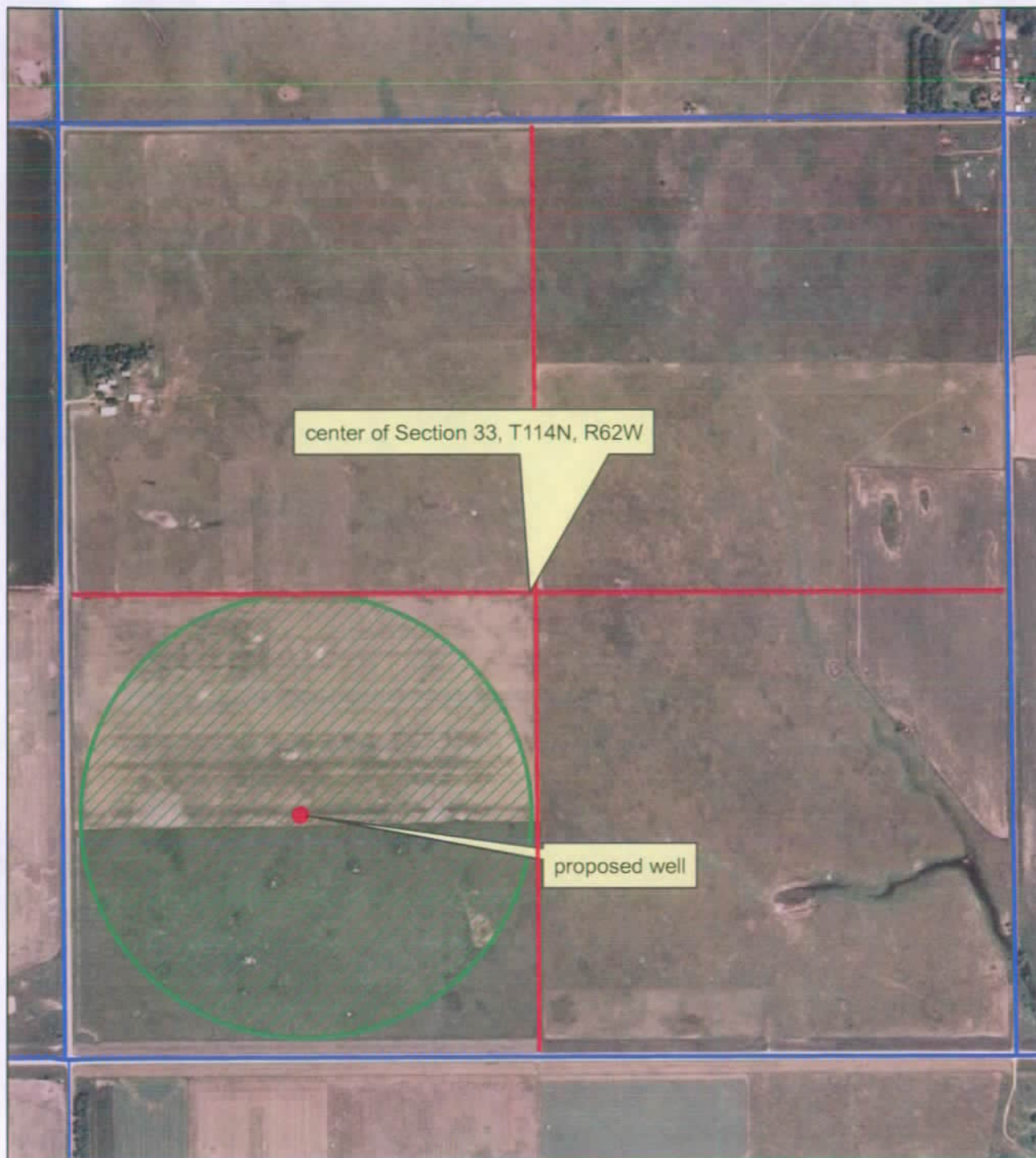
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- 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

Water Permit Application filed by Peterson Farms



0 335 670 1,340 2,010 2,680 Feet



Well located near the center of the
SW 1/4 Section 33, T114N, R62W.
Irrigated acres - 134 acre in SW 1/4
Section 33, T114N, R62W

A handwritten signature in blue ink, appearing to read "Eric Gronlund".

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

based on information supplied by Peterson Farms

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 8/14, 2007

RECEIVED OF Peterson Farms 19111 Maple Ave Hitchcock SD 57348

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

Fee for Application for Permit No. <u>6333B-3</u> to Appropriate Water, to construct and to put water to beneficial use	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>6333B-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	100 00

No.

03127

By

Janet Erbe
Chief Engineer

J



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

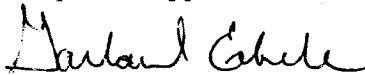
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6333B-3, Peterson Farms**

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. 6333B-3, Peterson Farms, c/o Lenny Peterson, 19111 Maple Avenue, Hitchcock SD 57348.

The Chief Engineer is recommending APPROVAL of Application No. 6333B-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) 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. 6333B-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. The applicable portions of Water Permit No. 6333-3 is incorporated into Permit No. 6333B-3.
4. 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
October 4, 2007

REPORT ON WATER PERMIT APPLICATION NO. 6333A-3 and 6333B-3
For Peterson Farms
September 19, 2007

Application Nos. 6333A-3 and 6333B-3 propose to amend Water Permit No. 6333-3 by transferring the permitted acreage and points of diversion to other lands. Water Permit No. 6333-3 appropriates 3.77 cfs from two wells to be completed into the Tulare Western Spink aquifer located in the centers of the NW $\frac{1}{4}$ and SE $\frac{1}{4}$ of section 21 to irrigate 320 acres located in the NW $\frac{1}{4}$ and the SE $\frac{1}{4}$ of section 21; all in T113N R63W in Beadle County.

Application No. 6333A-3 proposes to transfer the diversion authority of 1.88 cfs from water permit No. 6333-3 to one well approximately 60 feet deep located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of section 2 or the existing well authorized by Water Permit No. 6330A-3 and transfer 100 acres of authorized irrigation from 6333-3 for irrigation in the NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ of section 2; all in T114N R63W in Spink County. This transfer constitutes moving a well and irrigated acreage approximately ten miles northeast of the permitted located. The diversion rate requested is greater than one cfs per 70 acres statutory limit but would be necessary to operate a center pivot at this site in the proposed manner.

Application No. 6333B-3 proposes to transfer the diversion rate authority of 1.89 cfs to a well approximately 70 feet deep located in the center of the SW $\frac{1}{4}$ of section 33 and transfer 134 acres to the SW $\frac{1}{4}$ of section 33; all in T114N R62W in Spink County. This transfer constitutes moving permitted acreage approximately 7 miles northeast of the presently authorized site.

There is no increase in the diversion rate or total acres irrigated authorized by these applications.

AQUIFER – TULARE HITCHCOCK (T-H)

The Tulare Hitchcock aquifer is a mostly surficial outwash (sand and gravel) that is under water table conditions in this area. The aquifer underlies 149,800 acres and contains an estimated 693,000 acre feet of recoverable water in storage in Spink and Beadle Counties (Hedges, 1982). Recharge to the aquifer has been estimated at approximately 0.83 inches per year (Kuiper, 1984). This equates to an annual recharge volume of about 10,360 acre-feet for the Tulare Hitchcock aquifer. The aquifer is hydraulically connected to the Tulare Western Spink aquifer to the west. Ground water movement is from southwest to northeast in southern Spink County in this area (Hamilton, 1996).

For all practical purposes the Water Management Board has linked the Tulare Western Spink and the Tulare Hitchcock aquifers together. At the December 2002 Water Management Board Hearing the Board determined that these two aquifers would be combined for Water Permit/Water Right management purposes (Goodman, 2002). The Board at that hearing deferred a group of permits from the aquifers for a five year period ending in December of 2007. The Board was concerned that the aquifers may be fully

appropriated based upon projected use from the aquifers. In December of 2007, the Board will determine if additional water is available for those deferred applications.

No test wells were drilled for these applications. However, there is sufficient information available from the county study, observation wells and other wells in this area to evaluate this application. The aquifer should be present under this site but test holes are needed to determine the thickness of the aquifer at these sites for well design purposes. Until testing is completed there is always chance that the sand and gravel thickness may not be sufficient to develop a single irrigation well at each site with sufficient capacity to supply these applications.

The Water Rights Program does monitor two observation wells within one mile of each of these applications. These are SP-77H (located about one mile southeast of No. 6333A-3) and SP-79N (located about one-quarter mile southwest of No. 6333B-3). Hydrographs for these two observation wells are included with this report. Note the fluctuation in water levels due climatic effects on the historical water level trends. Water levels rise during wet years (recharge) and gradually decline during dry years. In general, the water level record indicates the aquifer is capable of sustaining existing withdrawals (Water Rights, 2007).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are existing water permits/rights within one-half mile of each of these applications. Interference is expected to be a concern. At the distance between wells, drawdown is not expected to be significant and should not adversely affect the existing water permits/rights. This conclusion is reinforced by the observation well hydrographs included with this report.

CONCLUSIONS

1. The source of water for these applications is the Tulare Hitchcock aquifer. The source of water for the originating permit No. 6333-3 is the Tulare Western Spink aquifer. The Water Management Board has considered the Tulare Hitchcock and Tulare Western Spink aquifers the same for management purposes.
2. The Water Management Board has determined the Tulare Western Spink and Tulare Hitchcock aquifers are potentially fully appropriated. The Board has deferred permits from these aquifers for a five year period to allow development of existing permits. This time period ends in December of 2007. All the deferred applications will be considered at that time.
3. The wells authorized by these applications must be constructed in accordance with SD Well Construction Standards.
4. This aquifer is close to being fully appropriated based upon water use.
5. Interference is not expected to be a concern. It does not appear based upon the observation well record that significant drawdown occurs during pumping and certainly not at the distance of one-half mile the typical distance between wells.

6. Because no test wells were drilled at these proposed sites, it is not known if wells at the proposed sites will yield enough water for these applications. It can be argued that this is always the case without actually drilling and testing a production well. But in this instance the applicant only has until December of 2007 to fully develop both of these sites or the water permits will be cancelled. This puts the applicant on a tight time schedule but he has already had almost five years to develop.

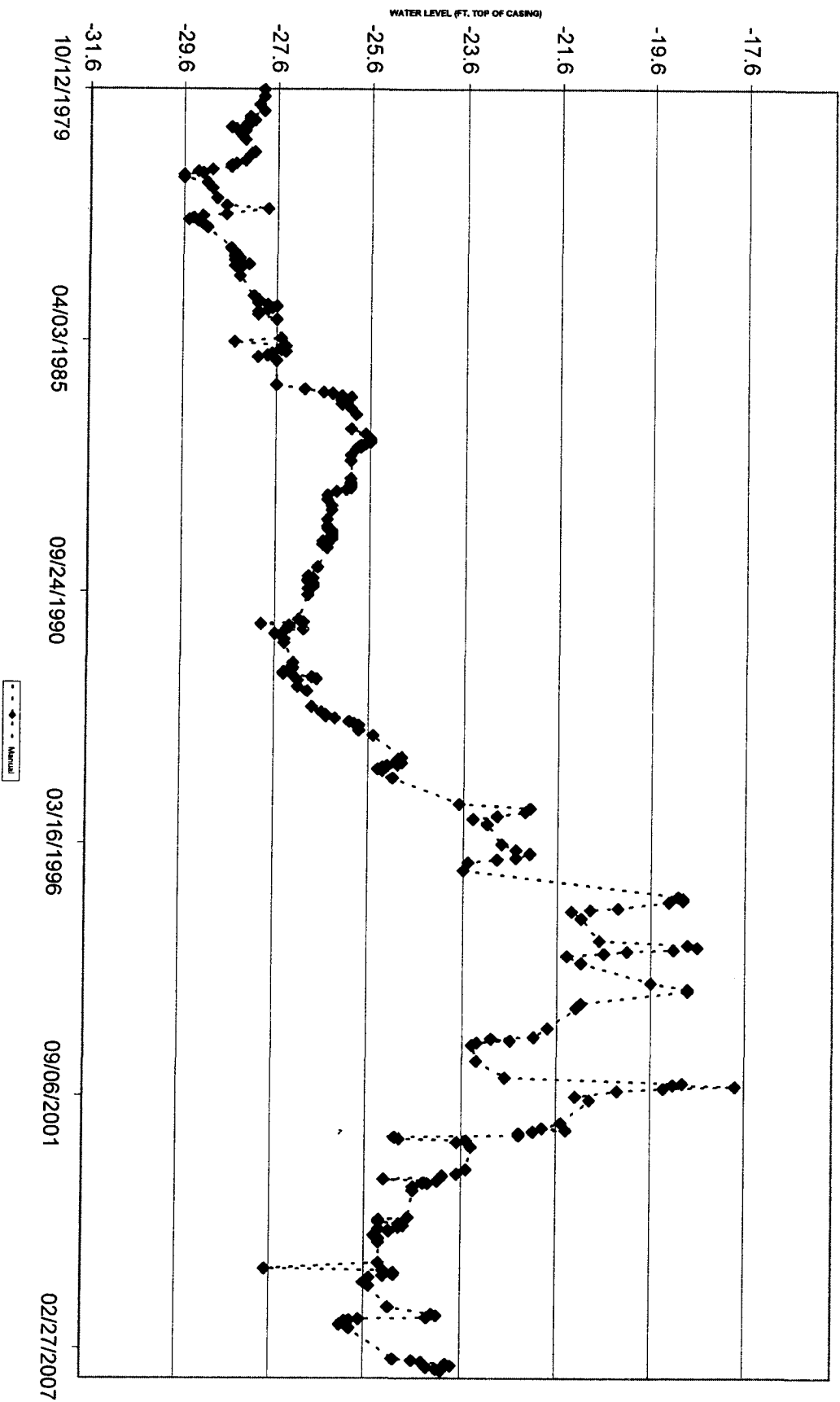


James A Goodman
Natural Resources Engineer

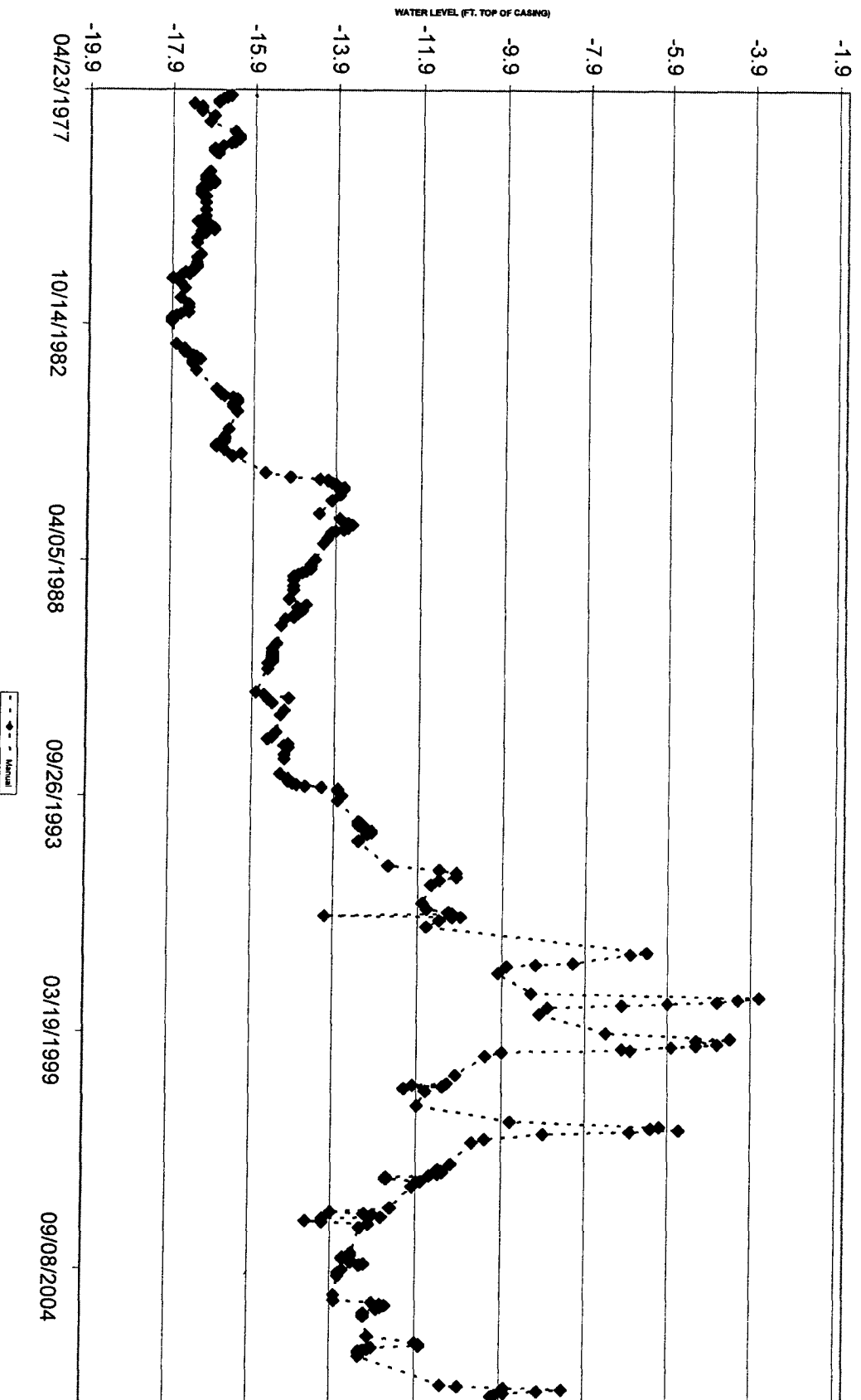
BIBLIOGRAPHY

- Goodman, J.A., 2002, Report on Water Permit Application Nos. 6330-3, 6331-3, 6332-3, 6336-3, 6337-3, 6338-3, 6339-3, 6340-3, 6343-3, 6344-3, 6345-3, 6346-3, 6348-3, 6353-3, for Water From the Tulare Hitchcock Aquifer and Water Permit Nos. 6333-3, 6334-3, 6347-3, 6351-3, 6352-3, for Water From the Tulare Western Spink Aquifer, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.
- Hamilton, L.J., L.W. Howells, 1996, Water Resources of Spink County, South Dakota, Water Resources Investigations Report No. 96-4056, USGS, Rapid City, SD, 57702.
- Hedges, L.S., and others, 1982, Evaluation of Ground Water Resources Eastern South Dakota and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Kuiper, L.K., 1984, Appraisal of the Water Resources of the Eastern Part of the Tulare Aquifer, Beadle, Hand, and Spink Counties, South Dakota, Water Resources Investigations Report No. 84-4078, USGS, Huron, SD, 57350.
- Water Rights, 2007, Unpublished Observation Well Data for the Tulare Aquifer, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

**WATER RIGHTS' OBSERVATION WELL
SP-79N**



WATER RIGHTS' OBSERVATION WELL
SP-77H



Affidavit of Publication

STATE OF SOUTH DAKOTA,
County of Spink: ss.

RECEIVED

OCT 19 2007

WATER RIGHTS
PROGRAM

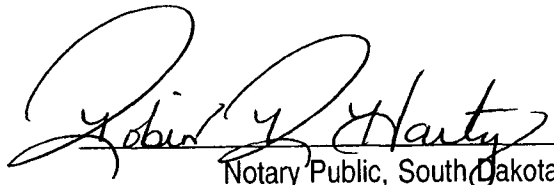
I, Mark E. Davis, of said County & State, being first duly sworn on oath, say that THE REDFIELD PRESS is a legal weekly newspaper as defined in Sec. 65.0508 South Dakota Code 1939, as amended by Chapter 298 of the Session of Laws of 1939, printed and published in the English language in the City of Redfield, in said County and State, by THE REDFIELD PRESS, and has been such newspaper during the time hereinafter mentioned, and that I Mark E. Davis, the undersigned, am Publisher of said newspaper in charge of the advertising department thereof, and have personal knowledge of all the facts stated in this affidavit, and that the legal or official notice entitled:

#383 Notice of Application

A printed copy of which is hereto attached, was printed and published in said newspaper in 2 successive issues, to wit: The first publication being made on Oct. 10th, 2007 and the last publication being made on Oct. 17th, 2007 that the full amount of Seventy Four and .74/100 Dollars, insures to the benefit of the publisher of THE REDFIELD PRESS, 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 person whomsoever.



Subscribed and sworn to before me this 10th day of Oct.,
2007.


Notary Public, South Dakota

My commission expires 06/20/2012

Legal Notices

Notice of Application

#383

NOTICE OF APPLICATION NOS. 6333A-3 and 6333B-3

Notice is given that Peterson Farms, c/o Lenny Peterson, 19111 Maple Ave, Hitchcock SD 57348 has filed Application Nos. 6333A-3 and 6333B-3 which request to amend Water Permit No. 6333-3 by transferring the irrigated acreage and points of diversion to other land. Water Permit No. 6333-3 appropriates 3.77 cubic feet of water per second (cfs) from two wells to be completed in the Tulare:Western Spink Aquifer located

in the centers of the NW 1/4 and SE 1/4 Section 21 to irrigate 264 acres located in the NW 1/4 and SE 1/4 Section 21; all in T113N-R63W.

Application No. 6333A-3 proposes to transfer the diversion authority of 1.88 cfs to a well to be completed in the Tulare: Hitchcock Aquifer located SE 1/4 NE 1/4 Section 2 or to use the existing well authorized by Water Permit No. 6330A-3 located in the NE 1/4 SW 1/4 Section 2 and transfer 100 acres of the authorized irrigated acres located to the NE 1/4, NE 1/4 SE 1/4 Section 2; all in T114N-R63W. This transfer constitutes moving location of the center pivot approximately 10 miles to the northeast of the presently authorized site. No increase in the diversion rate or number of acres irrigated is authorized by this application. The diversion rate intended to irrigate the 100 acres is greater than the statutory limit of 1 cfs per 70 acres. The center pivot will make a windshield wipe rotation.

Application No. 6333B-3 proposes to transfer the remaining diversion authority of 1.89 cfs to a well to be completed in the Tulare:Hitchcock Aquifer located in the center of the SW 1/4 Section 33 and transfer 134 of the authorized acres to the SW 1/4 Section 33; T114N-R62W. This transfer constitutes moving the center pivot

approximately 7 miles to the northeast of the presently authorized site. No increase in the diversion rate or number of acres irrigated are authorized by this application.

State Law (SDCL 46-5-34) allows an irrigation water right to be severed from one parcel of land and simultaneously transferred to another parcel if it becomes impracticable to use all or any part of the water beneficially or economically for irrigation on the current land. Mr. Peterson indicates economics as his justifications for the proposed transfer. The land now proposed to be irrigated has electrical lines nearby enabling easier and less expensive set-up of the irrigation systems.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 6333A-3 and 6333B-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest.

In accordance with SDCL 46-2A-23, the Chief Engineer will act on these 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 applications or contesting the recommendations is filed, then a hearing will

be scheduled and the Water Management Board will consider these 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 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 October 29, 2007.

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 these applications. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

(Oct. 10, 17)



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 4, 2007

Redfield Press
PO Box 440
Redfield SD 57469

ATTENTION: Legal Public Notice

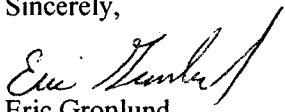
Enclosed is a Notice on Application Nos. 6333A-3 and 6333B-3 to Appropriate Water to be published twice. Please publish the first notice on October 10, 2007 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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 Peterson Farms, Lenny Peterson, 19111 Maple Ave, Hitchcock SD 57348 (Ph # 605-472-0822).

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. 6333A-3 & 6333B-3

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

Date _____

We are in receipt of your letter of October 4, 2007 enclosing Notice to Appropriate Water by Application Nos. 6333A-3 & 6333B-3 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name _____

Newspaper _____



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

October 4, 2007

Peterson Farms
Lenny Peterson
19111 Maple Ave
Hitchcock SD 57348

Dear Mr. Peterson:

Water Permit Application Nos. 6333A-3 & 6333B-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 Redfield Press printed at Redfield SD (Ph # 605-472-0822). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application is 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 applications.

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 October 10, 2007 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NOS. 6333A-3 and 6333B-3

Notice is given that Peterson Farms, c/o Lenny Peterson, 19111 Maple Ave, Hitchcock SD 57348 has filed Application Nos. 6333A-3 and 6333B-3 which request to amend Water Permit No. 6333-3 by transferring the irrigated acreage and points of diversion to other land. Water Permit No. 6333-3 appropriates 3.77 cubic feet of water per second (cfs) from two wells to be completed in the Tulare:Western Spink Aquifer located in the centers of the NW ¼ and SE ¼ Section 21 to irrigate 264 acres located in the NW ¼ and SE ¼ Section 21; all in T113N-R63W.

Application No. 6333A-3 proposes to transfer the diversion authority of 1.88 cfs to a well to be completed in the Tulare: Hitchcock Aquifer located SE ¼ NE ¼ Section 2 or to use the existing well authorized by Water Permit No. 6330A-3 located in the NE ¼ SW ¼ Section 2 and transfer 100 acres of the authorized irrigated acres located to the NE ¼, NE ¼ SE ¼ Section 2; all in T114N-R63W. This transfer constitutes moving location of the center pivot approximately 10 miles to the northeast of the presently authorized site. No increase in the diversion rate or number of acres irrigated is authorized by this application. The diversion rate intended to irrigate the 100 acres is greater than the statutory limit of 1 cfs per 70 acres. The center pivot will make a windshield wipe rotation.

Application No. 6333B-3 proposes to transfer the remaining diversion authority of 1.89 cfs to a well to be completed in the Tulare:Hitchcock Aquifer located in the center of the SW ¼ Section 33 and transfer 134 of the authorized acres to the SW ¼ Section 33; T114N-R62W. This transfer constitutes moving the center pivot approximately 7 miles to the northeast of the presently authorized site. No increase in the diversion rate or number of acres irrigated are authorized by this application.

State Law (SDCL 46-5-34) allows an irrigation water right to be severed from one parcel of land and simultaneously transferred to another parcel if it becomes impracticable to use all or any part of the water beneficially or economically for irrigation on the current land. Mr. Peterson indicates economics as his justifications for the proposed transfer. The land now proposed to be irrigated has electrical lines nearby enabling easier and less expensive set-up of the irrigation systems.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 6333A-3 and 6333B-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest.

In accordance with SDCL 46-2A-23, the Chief Engineer will act on these 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 applications or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider these 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 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 October 29, 2007.

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 these applications. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

NOV 05 2007

Peterson Farms
c/o Lenny Peterson
19111 Maple Ave
Hitchcock SD 57348

Dear Mr. Peterson:

Enclosed are Water Permit Nos. 6333A-3 and 6333B-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

Form 10s, *Notice of Completion of Works and Application of Water to Beneficial Use*, are enclosed. Please return the completed forms 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

Note: The applicable portions of Water Permit No. 6333-3 are incorporated into Water Permit Nos. 6333A-3 and 6333B-3.

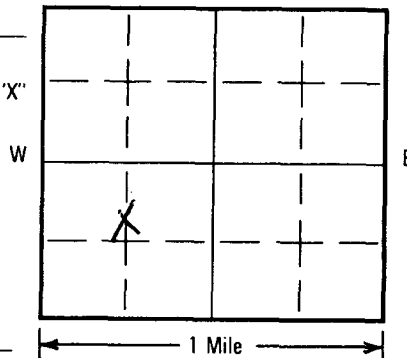
SOUTH DAKOTA WATER WELL COMPLETION REPORT

6333B-3

07-92

Location NW 1/4 SW 1/4 Sec 33 Twp 114 Rg 62
 County Spink

Please mark well location with an "X"



Well Completion Date _____

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.) 5000 ft. from septic tank (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>RR26</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>40</u> FT	<u>28</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type CEMENT No. of Sacks _____ Grout Weight _____ lb./gal From 0 ft. To 30 ft.
 Describe grouting procedure: Pumped cement grout down hole

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 16 IN Length 40 FEETMaterial PVCSlot Size .085 Set From 40 Feet to 80 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: chlorine

☐ NO, Why Not? _____

Laboratory sent to for water
 quality analysis _____

Well Owner: Lenny Peterson

Business Name: _____

Address: 19111 Maple Ave
Hitchcock, SD 57348

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top of ROCKS</u>	<u>0</u>	<u>10</u>
<u>fine to med blue sand</u>	<u>10</u>	<u>30</u>
<u>med blue sand</u>	<u>30</u>	<u>50</u>
<u>med to coarse blue sand</u>	<u>50</u>	<u>60</u>
<u>coarse gravel</u>	<u>60</u>	<u>70</u>
<u>blue clay</u>	<u>70</u>	<u>80</u>

STATIC WATER LEVEL 12 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped

Describe: Turbine pump

☐ Bailed

☐ Other _____

Pumping Level Below Land Surface

20 ft. After 2 Hrs. pumped 1000 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 750 GPM

REMARKS

RECEIVED

FEB - 4 2008

WATER RIGHTS
PROGRAM

This well was drilled under license # 444

And this report is true and accurate.

Drilling firm Christensen Well & Pumping

Signature of License Representative:

Cathy W. Christensen

Signature of Well Owner or Equitable Property Holder:

Date: _____

Permit No. 6333B-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, **November 29, 2007**, made a thorough examination of the water use system constructed by **Peterson Farms** of **19111 Maple Ave., Hitchcock, SD 57348** holder of Permit No. **6333B-3**, bearing the priority of **June 21, 2002** authorizing the diversion of **1.89** cu. ft. per of water from the **Tulare:Hitchcock Aquifer** for **Irrigation** purposes, in **Spink** County.

Inspection contact & relationship to permit holder, if applicable: **Lenny Peterson (266-2793)**

A. Works used to divert the water:

Well Information:

- 1) Well log is available N
- 2) Comment: The Well Completion Report is not available at this time. The well driller has been contacted and will send the well completion form to our department. At that time, the water right will be amended to include the well information.

Pump:

- 1) Make **Mid-America**
- 2) Model **GP 11CMC**
- 3) Capacity **750** GPM

Motor:

- 1) Make **US Motor**
- 2) Model No. **BF48A**
- 3) Horsepower rating **40** hp

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

- 1) Type **PVC**
- 2) Size **6** inches

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make **T&L**
- 2) Number of towers **7**

- 3) End gun Y
- 4) High or low pressure Low
- 5) Capacity 750 GPM

Chemigation Equipment:

- 1) Does chemigate N

D. Compliance with Permit Requirements:

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

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

Approximately 1450 feet north and 1330 feet east of the SW corner of Section 33-T114N-R62W.

(N 44.63668, W -98.29660) (NW ^E ¼ SW ¼).

The works are capable of diverting and conveying to the place of use 1.67 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 33-T114N-R62W

NW ¼ SW ¼ - 33.5 acres

NE ¼ SW ¼ - 33.5 acres

SW ¼ SW ¼ - 33.5 acres

SE ¼ SW ¼ - 33.5 acres

comprising a total of 134 acres of land and the license should be issued for 1.67 cfs.

All structures, wells and lands on map Y

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

Water Permit No. 6333B-3 transfers the diversion authority of 1.89 cfs and 134 acres authorized by Water Permit No. 6333-3. No increase in diversion rate or number of acres is authorized by the permit.



Mike DeFea

Natural Resources Project Engineer
DENR, Water Rights Program

Date report completed: December 4, 2007

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

Date 11-29-07

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

FROM: Peterson Farms
(name)
19111 Maple Ave
(address)
Hitchcock, SD 57348 (city, state, zip) (605) 266-2793 (phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

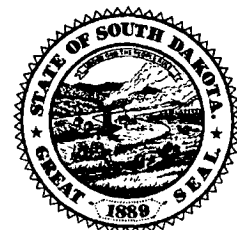
Water Permit No. 6333A-3 states that the water use system is to be constructed by
12-4-07 (date), and water is to be put to beneficial use by 12-4-11 (date).

The water use system was completed on 11-28-07 (date)

Applying the water to beneficial use was completed on 11-28-11
Spring 08 (date)

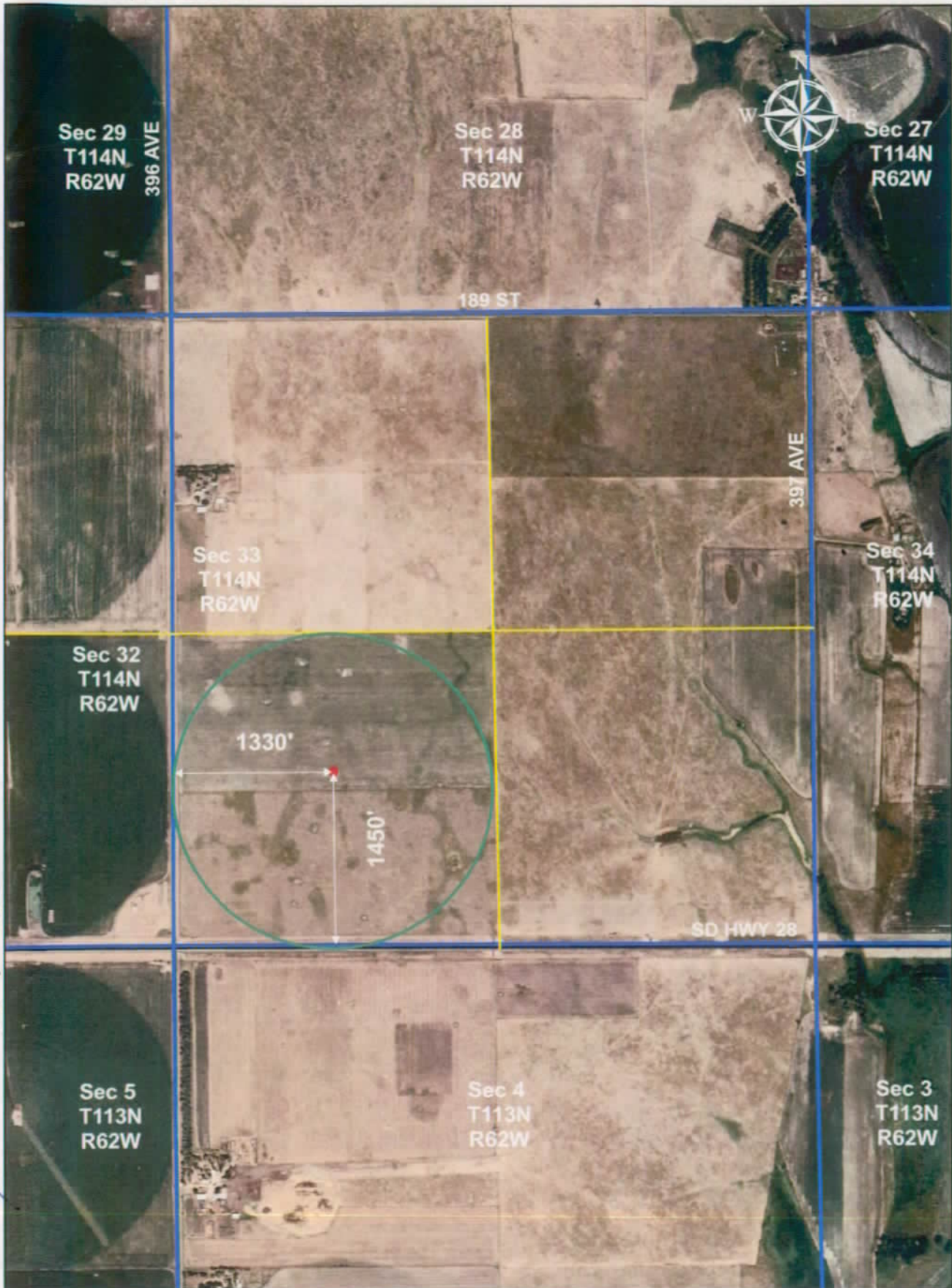
You may schedule an investigation so that the water license may be issued.

Erin Peterson



Peterson Farms
19111 Maple Ave
Hitchcock, SD 57348

Water Permit No. 6333B-3



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
December 4, 2007



Water Rights Program - DENR

Conversation or File Documentation

Name of Person: Lenny Peterson **File No** 6333B-3

Address: 19111 Maple Ave, Hitchcock, SD 57348

County: Spink

Date: February 13, 2008

Telephone: 266-2793

RE: Inspection Report

Comments:

In my inspection report completed on December 4, 2007 for Water Permit No. 6333B-3, the report stated there was no well log available at that time and the report would be amended when we received the well log. On February 4, 2008, we did receive the well log and is attached with this file documentation to be included with the report.

A handwritten signature in black ink, appearing to read "Mike DeFea". The signature is fluid and cursive, with the first name "Mike" and last name "DeFea" clearly distinguishable.

Mike DeFea

Natural Resources Project Engineer

DENR, Water Rights Program



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 12 2008

6333B-3

Lenny Peterson
Peterson Farms
19111 Maple Ave
Hitchcock SD 57348

Dear Mr. Peterson:

Enclosed is Water License No. 6333B-3. This is the final water right document completing your process of obtaining a Water Right. Included with the water license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6333B-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. 6333B-3

(1) Peterson Farms, 19111 Maple Ave., Hitchcock SD 57348 made Application No. 6333B-3, August 14, 2007 for a water permit to transfer the diversion authority of 1.89 cubic feet of water per second from a well permitted under Water Permit No. 6333-3 to a well (Tulare: Hitchcock Aquifer), to be located approximately seven miles to the NE of the original site located in Spink County, South Dakota. Permit No. 6333B-3, with a priority date of June 21, 2002 (established by Water Permit No. 6333-3) was approved October 29, 2007 and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before December 4, 2007 and for the application to beneficial use of water on or before December 4, 2011.

Water Permit No. 6333B-3 also transferred 134 acres authorized by Water Permit No. 6333-3 to other lands. No. 6333B-3 did not allow for an increase in the diversion rate or in the number of acres to be irrigated. The remaining acreage and diversion authority originally authorized by Water Permit No. 6333-3 were transferred to No. 6333A-3 and will be licensed separately.

The permit holder submitted a "*Notice of Completion of Works and Application of Water to Beneficial Use*" which indicated the system was completed on November 28, 2007.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the water supply system and are entitled to divert 1.67 cubic feet of water per second for beneficial use. The location of the diversion point is approximately 1,450 feet north and 1,400 feet east of the SW corner of Section 33, T114N, R62W (NE ¼ SW ¼).

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

Section 33, T114N, R62W	NW ¼ SW ¼	33.5 acres
	NE ¼ SW ¼	33.5 acres
	SW ¼ SW ¼	33.5 acres
	SE ¼ SW ¼	33.5 acres
	Total	134.0 acres

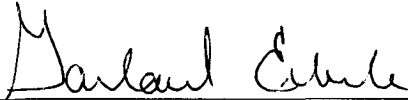
(4) Pursuant to South Dakota Water Law 46-5-30.1 Peterson Farms, 19111 Maple Ave., Hitchcock SD 57348 the holders and/or owners of Water Right No. 6333B-3 are issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from ground water (one well – Tulare: Hitchcock Aquifer) with a priority date of June 21, 2002 from the location specified in (2) of this license for irrigation of the land described above.

continued

Water License No. 6333B-3

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 6333B-3 and subject to the following qualifications:

- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 6333B-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 *(Well has been constructed and well log submitted by the driller.)*
- The applicable portions of Water Permit No. 6333-3 are incorporated into Permit No. 6333B-3. *(The remaining diversion authority and acreage originally permitted by No. 6333-3 were incorporated into 6333A-3.)*
- 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

JUN 12 2008

date



RECEIVED

JUN 22 2016

WATER RIGHTS
PROGRAM

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 6333B-3

Date: 6/22/16

I/We request that Water Right/Permit No. 6333B-3

formerly owned by: Peterson Farms

be transferred to: (name & address) Lenny Peterson, 19111 Maple Avenue, Hitchcock SD 57348

Telephone No. 605 354-4062

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

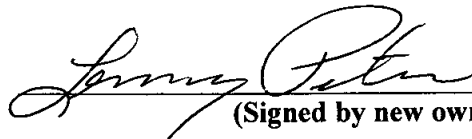
SW ¼ Section 33, T114N, R62W

I/We understand that the validity of Water Right/Permit No. 6333B-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

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

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

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


(Signed by new owner)

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

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

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 6/22, 20 16

RECEIVED OF Lenny Peterson 19111 Maple Ave Hitchcock SD 57348

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form <u>6333B-3</u>		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	50 00

No. **07861**

By 
Chief Engineer

6333B-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

June 24, 2016

Lenny Peterson
19111 Maple Ave
Hitchcock SD 57348

RE: Water Right/Permit Nos. 6201B-3, 6333B-3, 6334B-3, 6656-3, 6712A-3 and 7391-3

Lenny:

Thank you for stopping by the office to take care of the ownership changes involving water permits and water rights held by Peterson Farms. The ownership changes have been completed for Water Right/Permit Nos. 6201B-3, 6333B-3, 6334B-3, 6656-3, 6712A-3 and 7391-3. They are now listed in your name.

In regard to the ownership change filed for Water Right No. 6343-3, this one will be completed and confirmation sent to you at a later date. The water right covers land in the SW ¼ Section 2 and NW ¼ Section 11, T113N, R63W. I am waiting on the paperwork from Brad for the SW ¼ Section 2. Once he submits the transfer form and fee, the water right will be divided and reissued to reflect separate ownership.

Enclosed are your receipts for the fees paid for filing the ownership changes. If I can answer any questions for you, please let me know.

Sincerely,

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

enclosures

* Replacement Well *

6333 B-3

SD EForm - 1621LD V1

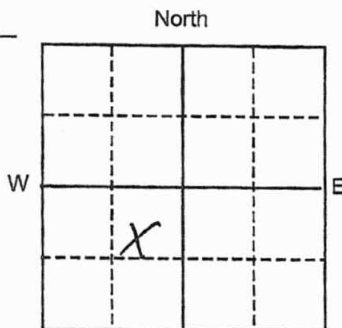
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE 1/4 SW 1/4 Sec 33 Twp 114N Rg 62W

County SPINK

Please mark well location with an "X"



Well Completion Date

8-13-21

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.):

NONE ft. from (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse Circulation

CASING DATA:

If other describe stainless steel ☐ Steel ☒ Plastic ☒ Other

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>50R26</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>51</u> FT	<u>26</u> IN
<u>5.5</u> LB/FT	<u>16</u> IN	<u>51</u> FT	<u>71</u> FT	<u>26</u> IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>II20</u>	<u>25</u>	Lb/gal	<u>0</u> Ft	<u>50</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

Tremie Pipe

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16 Inches Length 20 Feet
Material stainless steel
Slot Size 1050 Set From 51 Feet to 71 Feet
Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Enviro Plug
Describe packer(s) and location above screen

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine
☐ No, Why Not?
Lab to which water quality sample sent for analysis

Well Owner: Lenny Peterson

Business Name:

Address: 1911 Maple Ave

City, State, Zip: Hitchcock SD 57348

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>2</u>
<u>yellow clay</u>	<u>2</u>	<u>10</u>
<u>Fine Sand</u>	<u>10</u>	<u>45</u>
<u>Sand & Rock</u>	<u>45</u>	<u>65</u>
<u>over size Rock</u>	<u>65</u>	<u>71</u>

STATIC WATER LEVEL 15 FEET

If flowing: closed in pressure PSI

GPM flow through Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe: Air
☐ Bailed
☐ Other

Pumping Level Below Land Surface

20 Ft. After 2 Hrs. pumped 1000 GPM
Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

REMARKS

This well was drilled under license # 722 and this report is true and accurate.

Drilling firm: Stretch's Well Service Inc.

Signature of License Representative:

Tom Rathjen

Signature of Well Owner or Equitable Property Holder:

Lenny Peterson

Date: 8-22-2021