

WATER PERMIT NO. 7725C-3

Name of Applicant: **Danny Peterson**

Address: **38984 189th St, Hitchcock SD 57348** Phone: **605 350-4717**

Amount of Water Claimed: **1.93 cfs** Total Acres: **135 acres**

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

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

Type of Waste Disposal System:

Location: **approximately 2 miles north of Hitchcock**

PRIORITY Date Received: **7-23-14** Application/License Fee: **\$ 100**

Corrected Application Received: Period of Annual Use: **April 1 – October 31**

Remarks: **transferring approved portion of No. 7725A-3 to new lands**

Diversion Point: **approximate center of the SW 1/4**
Sec 22-T114N-R63W

Land to be Irrigated: **SW 1/4 Sec 22-T114N-R63W**

Depth of Well: **65-75 feet deep**

Well Driller:

Remarks:

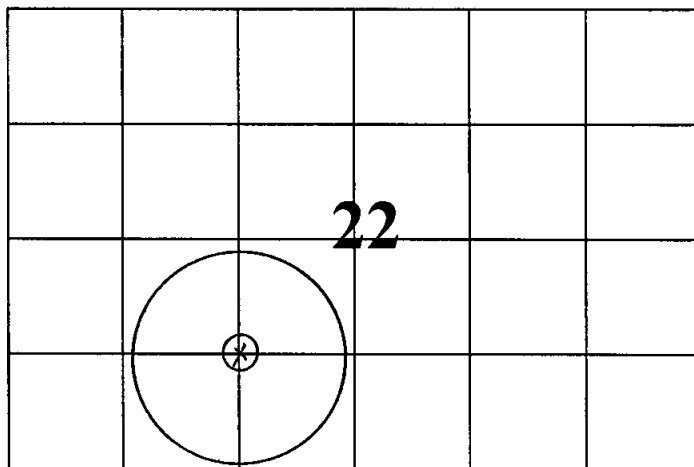
Type of Map: **aerial**

Prepared by:

Reviewed and the Number Assigned on: **7-23-14**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



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

RECEIVED

JUL 23 2014

WATER RIGHTS
PROGRAM

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	(office use only)	
	No. <u>7725C-3</u>	Hydrologic Unit <u>16160006</u>
	Basin <u>James River</u>	<u>605-492-0822</u>
	Newspaper <u>Redfield Press, Box 440</u>	<u>57469</u> <u>605-353-7401</u>
<u>Plainsman Box 1278 Huron 57350</u>		

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 7725-3
(Use predates Mar 2, 1955)

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

To amend permit by transferring approved portion of No. 7725-3 to new lands.

1. Name to Appear on Irrigation Permit Danny Peterson

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

(name and complete address if different than above name)

Mailing Address 38984 189th Street Hitchcock SD 57348
(Address) (City) (State) (Zip Code)

Home Phone 605-266-2876 Cell 605-350-4717 Email petersonbrothers@live.com

2. Amount of water claimed 1.93 *CFS or 866 **GPM ***AF Total Acreage 135
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Well

4. Location of point of diversion 1 well in SW1/4 Sec 22 T114N R63W

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

County Spink

5. County or counties where water will be used Spink

6. Annual period during which water is to be used March 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
SW1/4 Sec 22 T114N R63W	135		

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

Danny, Lenny, and Brad Peterson are dividing holdings for estate purposes and the SW1/4 Section 7 is split ownership Danny and Lenny Peterson. Danny Peterson will have ownership of entire SW1/4 of Section 22 and this land is better suited to my farming operation for irrigation.

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

SOUTH DAKOTA
WATER PERMIT NO. 7725C-3

Date of first receipt of application July 23, 2014.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7725C-3 to Danny Peterson, 38984 189th 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. 7725C-3 amends Water Permit No. 7725A-3 by transferring the irrigated acreage and point of diversion to other land. Water Permit No. 7725A-3 appropriates 1.93 cubic feet of water per second from one well located in the center of the SW 1/4 Section 7 for irrigation of 135 acres located in the SW 1/4 Section 7; all in T113N-R63W. This permit authorizes moving the irrigation approximately 3 miles east and 4 miles north with the well located in the approximate center of the SW 1/4 Section 22 to irrigate 135 acres located in the SW 1/4 Section 22; all in T114N-R63W. The water source for this irrigation system is the Tulare:Western Spink Hitchcock Aquifer and 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: March 1 – October 1.
3. The date from which applicant may claim right is February 28, 2013 (established by Water Permit No. 7725A-3).
4. The date of approval of Permit No. 7725C-3 is October 14, 2014.
5. One-fifth of the construction is to be completed on or before January 11, 2017.
6. All construction is to be completed on or before July 11, 2018.
7. Water is to be put to beneficial use on or before July 11, 2022.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under Permit No. 7725C-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. Approval of Water Permit No. 7725C-3 incorporates Permit No. 7725A-3.

WATER MANAGEMENT BOARD

By: *Jeanne Goodman*

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

OCT 28 2014

date



Supplemental Information

(type or print)

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

- a) If new wells, how many _____ Have test holes been drilled ☐ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)
- b) If existing wells, how many 1 Provide copy of log(s), if available. Drilled by Pullman Well Drilling Wolsey SD
- c) Well Depth 65'to75' Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____
- d) Distance to nearest existing domestic well:
On applicant's 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

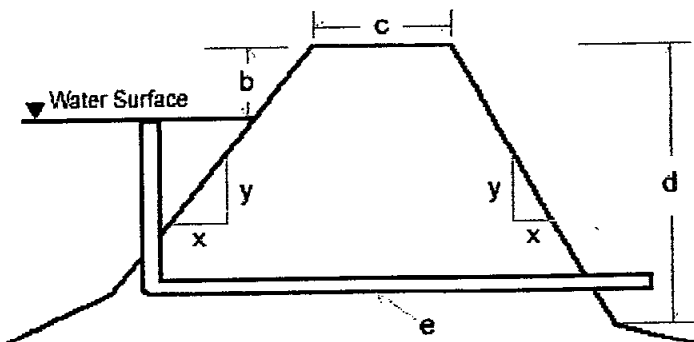
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

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 (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

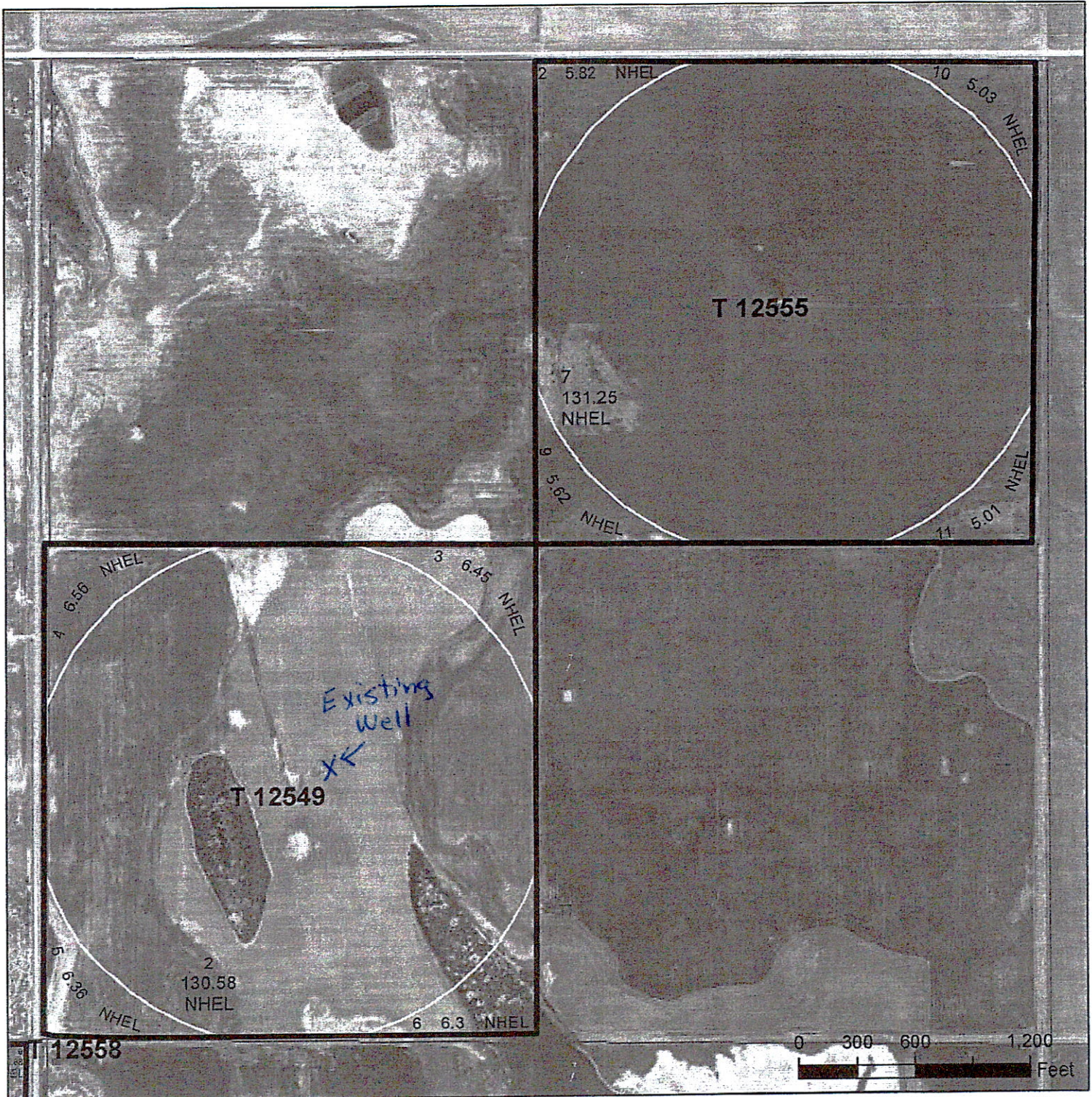




United States
Department of
Agriculture

Danny Peterson

Spink County, South Dakota



Common Land Unit
Cropland // Non-cropland
Conservation Reserve Program

Wetland Determination Identifiers

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

Tract Boundary Section Line



2012 Ortho-Photography - not to scale

RECEIVED 2014 Program Year

Map Created June 23, 2014

JUL 23 2014

Farm 8935

WATER RIGHTS
PROGRAM

22 -114N -63W

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 7/23, 20 14

RECEIVED OF Danny Peterson 38984 189th St Hitchcock SD 57348

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

Fee for Application for Permit No. <u>7725C-3</u> to Appropriate Water, to construct and to put water to beneficial use	100	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for _____		
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. **06910**

By J. Ernie Goodman
Chief Engineer

File No. 7725-3

7725A-3

7725B-3

7725C-3

Water Rights Program - File Documentation

NAME: Lenny Peterson

ADDRESS: Hitchcock SD

DATE: 7-23-14 **COUNTY:** Spink

RE: Notice of Transfer of Ownership

COMMENTS:

Water Permit No. 7725-3 held by Lenny Peterson appropriates 1.93 cubic feet of water per second (cfs) from one well to be completed into the Tulare:Western Spink Hitchcock Aquifer (60-100 feet deep) located in the approximate center of the SW 1/4 Section 7 for irrigation of 135 acres located in the SW 1/4 Section 7; all in T113N-R63W was approved July 1, 2013 and deferred the remaining portion requested on the application.

The remaining portion is 2.64 cfs diversion rate authority for irrigation of 185 acres located in the S 1/2 Section 7-T113N-R63W. On October 3, 2013 the Board denied this remaining portion. Lenny Peterson appealed that decision to circuit court and as of July 23, 2014 a judge's ruling has not been made.

On July 23, 2014 a Notice of Transfer was filed by Danny Peterson for the approved portion of Water Permit No. 7725-3.

Permit No. 7725-3 is being split into Permit No. 7725A-3 (approved portion) and Application No. 7725B-3 (denied portion under appeal).

Also, on July 23, 2014 Danny Peterson submitted an application to amend Permit No. 7725A-3 by transferring the irrigated acreage and point of diversion to other land. The application to amend will be Application No. 7725C-3. This application proposes to move the irrigated acreage and diversion point to the SW 1/4 Section 22-T114N-R63W.



Karen Schlaak
Water Rights Program



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov



**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7725C-3, Danny Peterson**

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. 7725C-3, Danny Peterson, 38984 189th Street, Hitchcock SD 57348.

The Chief Engineer is recommending APPROVAL of Application No. 7725C-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 Permit No. 7725C-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. Approval of Water Permit No. 7725C-3 incorporates Permit No. 7725A-3.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
September 23, 2014

REPORT TO THE CHIEF ENGINEER
ON
APPLICATION NO. 7725C-3
DANNY PETERSON
SEPTEMBER 11, 2014

Application No. 7725C-3 proposes to amend Water Permit No. 7725A-3 by transferring the acreage authorized for irrigation and the authorized point of diversion to a new location. Water Permit No. 7725A-3 authorizes the diversion of water from one well located in the SW¼ Section 7, T113N-R63W at a maximum rate of 1.93 cubic feet of water per second (cfs). The water permit authorizes the irrigation of 135 acres located in the SW¼ Section 7, T113N-R63W. Application No. 7725C-3 proposes to authorize the relocation of the system approximately three miles east and four miles north. The diversion point proposed by Application No. 7725C-3 is to be a well located in the approximate center of the SW¼ Section 22, T114N-R63W. Application No. 7725C-3 proposes a permit authorizing the irrigation of 135 acres located in the SW¼ Section 22, T114N-R63W. The water source for this irrigation system is the Tulare: Western Spink /Hitchcock aquifer and no increase in the diversion rate or number of acres irrigated are requested by this application.

**AQUIFER: WESTERN SPINK/HITCHCOCK MANAGEMENT UNIT OF THE
TULARE AQUIFER**

Based on the best information available regarding recharge to the Tulare Western Spink/Hitchcock aquifer as it compares to withdrawals from the aquifer, along with the projected water use associated with acreage currently authorized for irrigation, the Water Management Board found the Tulare Western Spink/Hitchcock aquifer is fully appropriated [In the matter of Water Permit Application Nos. 7725-3, et al., Findings of Fact, Conclusions of law and Final Decision issued December 5, 2013].

SOUTH DAKOTA CODIFIED LAW (SDCL) 46-5-34

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. Neither the practicality nor economics of irrigating the original parcel of land compared to irrigating the parcel of land proposed by this application were addressed in the application and will not be addressed in this report.

WATER RIGHT NO. 7725A-3

Water Permit Application No. 7725-3, proposing to appropriate water from the Tulare: Western Spink/Hitchcock aquifer at a rate of 4.57 cfs to irrigate 320 acres was filed February 28, 2013. The Water Management Board approved Water Permit No. 7725-3 on July 11, 2013, authorizing a diversion rate of 1.93 cfs for the irrigation of 135 acres. The remaining 2.64 cfs diversion rate authority for the irrigation of 185 acres was deferred for further aquifer analysis. On October 3, 2013, the Board denied a permit for the 2.64 cfs diversion rate authority for the irrigation of 185 acres that had been deferred. On July 23, 2014, a Notice of Transfer was filed by Danny Peterson for the approved portion of Water Permit No. 7725-3. Water Permit No. 7725-3 was

split into Permit No. 7725A-3 for the approved portion and Application No. 7725B-3 for the denied portion. The application to amend Water Permit No. 7725A-3 by transferring the acreage authorized for irrigation and the authorized point of diversion to new locations was filed on July 23, 2014.

This proposed transfer will not result in an additional appropriation from the Tulare: Western Spink/Hitchcock management unit.

EXISTING RIGHTS:

SDCL 46-5-34 requires that an amendment to transfer a water right/permit is subject to existing rights. Existing water rights/permits filed for diversion points within approximately one mile of the well site proposed by this application are shown in Figure 1 and Table 1.

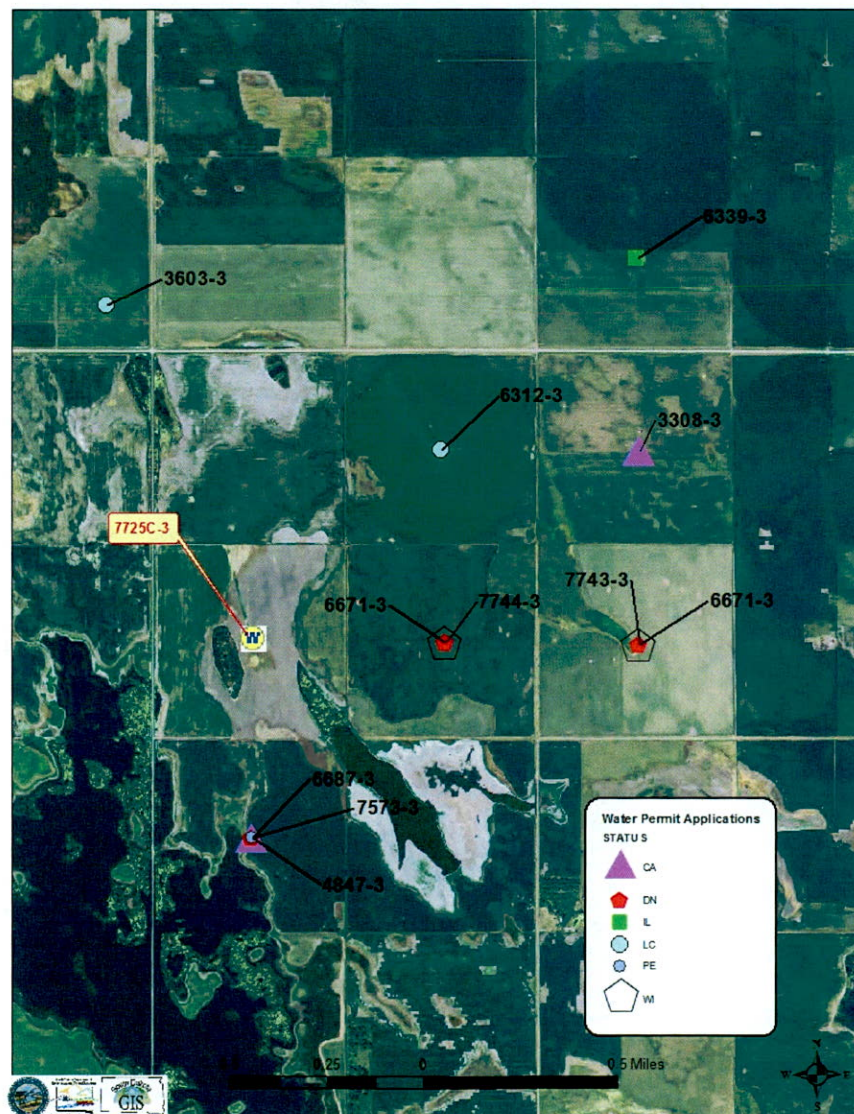


Figure 1. Location of the well site proposed by Application No. 7725C-3 and diversion points proposed by other water permit applications.

PERMIT NO	NAME	APPLICATION DATE	STATUS	CFS	ACRES
7744-3	BIXLER FARMS	02/19/2013	WI		
7743-3	BIXLER FARMS	02/19/2013	WI		
7573-3	MARSHALL BROS	12/13/2012	PE	1.78	160
6687-3	WILLIAM H WATSON	01/27/2006	DN		
6671-3	BIXLER FARMS	11/07/2005	DN		
6339-3	ALLEN GATZKE	07/12/2002	IL		
6312-3	DANNY PETERSON	03/13/2002	LC	1.78	132
4847-3	WILLIAM H WATSON	12/31/1981	CA		
3603-3	ALLEN GATZKE	01/27/1977	LC	1.78	132
3308-3	RICHARD E BUCHHOLZ	11/08/1976	CA		
WI= Withdrawn, PE= Water Permit, DN= Denied, IL= Incorporated, LC= Water Right, CA= Cancelled					

Table 1. Water Permit Applications with status within approximately one mile of the diversion point proposed by this application.

Water Right No. 6201A-3 previously authorized essentially the same irrigation project as Application No. 7725C-3 proposes. Irrigation took place on the acreage for a number of years until Water Permit No. 6201B-3 transferred the acreage authorized for irrigation and the authorized point of diversion to a new location on September 14, 2012. The irrigation that historically took place at this acreage is shown in Table 2.

Year	Acres Irrigated	Acre-feet of water used
2004	135	88.4
2005	135	95.5
2006	135	130.9
2007	0	
2008	40	42.4
2009	132	21.2
2010	0	
2011	0	
2012	0	

Table 2. Irrigation reported under Water Permit No. 6201A-3

Historically, well interference has not been an issue in the Tulare: Western Spink Hitchcock aquifer. The Tulare: Western Spink/Hitchcock aquifer is under confined conditions, and there is currently approximately 20 feet of artesian pressure in this area. The DENR-Water Rights Program monitors an observation well (SP-80F) completed into the Tulare: Western Spink/Hitchcock aquifer that is located approximately 0.4 miles southwest of the well site proposed by this application. A hydrograph for the observation well is shown in Figure 2. If well interference corresponding with the historic pumping at this site (shown in Table 2) was measurable in the observation well, it was not significant relative to climatic effects on the water levels.

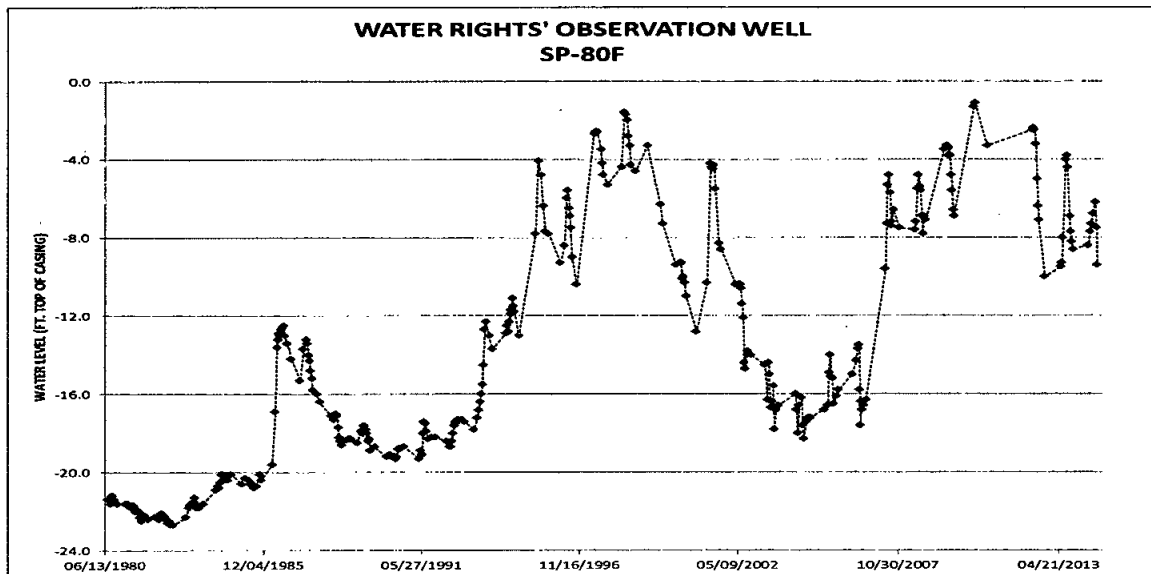


Figure 2. Hydrograph of Observation Well SP-80H

If the water levels in the Tulare: Western Spink/Hitchcock aquifer were to decline, owners of existing wells bear the responsibility of lowering the pump inlet in the well to the top of the aquifer, if necessary. Increased lift would decrease the pump discharge or require a larger pump or a different type of a pump to maintain the same output.

An increase in operating expenses that may result from interference between wells is not necessarily an adverse impact. The Water Management Board considered this situation in the matter of Water Permit Application 2313-2, Coca-Cola Bottling Company of the Black Hills (Water Rights, 1995). The Board adopted findings of fact and conclusions of law that basically state if the increased cost or decreased production is considered an adverse impact, it could be in conflict with SDCL 46-1-4, which requires South Dakota's water resources to be put to beneficial use to the fullest extent of which they are capable.

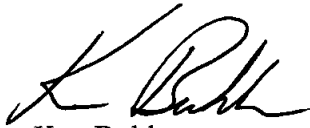
South Dakota Codified Law (SDCL) 46-6-6.1 does not protect artesian head pressure as a means of delivery, and the Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. South Dakota Supreme Court ruled that although SDCL 46-6-6.1 does not require irrigation to be regulated to absolutely protect artesian pressure for domestic uses, reasonable domestic use must be assured (*Fraser v. Water Rights Commission of Dept. of Natural Resource Development*, 1980, 294 N.W.2d 784). In order to balance interests between irrigation use and delivery of water by artesian pressure the Water Management Board defined an "adversely impacted domestic well" in ARSD 74:02:04:20(7) as:

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

Well interference should not be a concern for adequate domestic wells.

CONCLUSIONS:

1. SDCL 46-5-34 provides authority to sever an irrigation right from one parcel of land and simultaneously transfer it to another parcel.
2. The Tulare: Western Spink Hitchcock aquifer was determined to be fully appropriated from 2008 to 2012 and from 2013 to present.
3. The availability of unappropriated water is not a consideration required in SDCL 46-5-34.
4. Diversions from the well site proposed by this application are not expected to adversely impact existing water rights.



Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

Water Rights Program, 1995, Findings of Fact, Conclusions of Law and Final Decision in the Matter of Water Permit Application No. 2313-2, Coca-Cola Bottling Company of The Black Hills, SD DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501

Water Rights, 2014, Irrigation Questionnaire Report Database, SD DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501

Notice

#1069

NOTICE OF APPLICATION -NO. 7725C-3

Notice is given that Danny Peterson, 38984 189th St, Hitchcock SD 57348 has filed Application No. 7725C-3 which requests to amend Water Permit No. 7725A-3 by transferring the irrigated acreage and point of diversion to other land. Water Permit No. 7725A-3 appropriates 1.93 cubic feet of water per second from one well located in the center of the SW 1/4 Section 7 for irrigation of 135 acres located in the SW 1/4 Section 7; all in T113N-R63W. This application proposes to move the irrigation approximately 3 miles east and 4 miles north with the well to be located in the approximate center of the SW 1/4 Section 22 to irrigate 135 acres located in the SW 1/4 Section 22; all in T114N-R63W. The water source for this irrigation system is the Tulare-Western Spink Hitchcock Aquifer and no increase in the diversion rate or number of acres irrigated is 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 his justification for this change is that the land is better suited to his farming operation for irrigation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7725C-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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by October 14, 2014.

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

Steven M. Pirner,
Secretary, Department of
Environment and Natural Resources.
Published once at the total approximate cost of \$30.45. (Oct. 1)

Affidavit of Publication

RECEIVED

STATE OF SOUTH DAKOTA OCT 03 2014
County of Spink: ss.

WATER RIGHTS PROGRAM

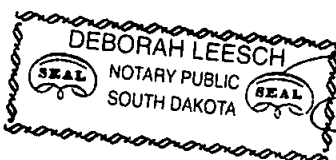
I, Mark E. Davis, of said County & State, being first duly sworn on oath, say that THE REDFIELD PRESS is a legal weekly newspaper as defined in Sec. 65.0508 South Dakota Code 1939, as amended by Chapter 298 of the Session of Laws of 1939, printed and published in the English language in the City of Redfield, 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:

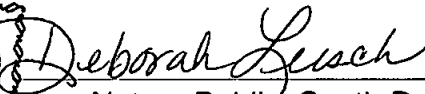
#1069 NOTICE OF APPLICATION

A printed copy of which is hereto attached, was printed and published in said newspaper in 1 issue, to wit: The first publication being made on October 1st, 2014, that Thirty and .45/100 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 1st day of October, 2014.




Notary Public, South Dakota

My commission expires 10/09/2019

PRINTER'S AFFIDAVIT

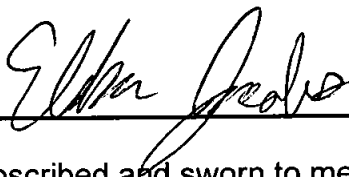
RECEIVED

STATE OF SOUTH DAKOTA, **OCT 07 2014**
 COUNTY OF BEADLE: ss **WATER RIGHTS PROGRAM**

I, ELDON JACOBS, being duly sworn on oath say that the PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks immediately prior to this date, that said newspaper is printed in whole or in part, in an office maintained at said place of publication; that I am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

SD ENVIRONMENTAL & NATURAL –
WATER RIGHTS – DAN PETERSON

was published for one day, in said newspaper, and not in any supplement of the said newspaper, the publication was of the 1ST day OCT 2014. That the full amount of the fee charged for publishing is: **FORTY-THREE & 87/00** dollars insures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whom so ever.



Subscribed and sworn to me before this 1ST day of OCT 2014.



Notary Public, South Dakota

My term expires 10/25/2017
 Legal #1465

F.P. 10-01-14

**NOTICE OF
APPLICATION
NO. 7725C-3**

Notice is given that Danny Peterson, 38984 189th St, Hitchcock SD 57348 has filed Application No. 7725C-3 which requests to amend Water Permit No. 7725A-3 by transferring the irrigated acreage and point of diversion to other land. Water Permit No. 7725A-3 appropriates 1.93 cubic feet of water per second from one well located in the center of the SW 1/4 Section 7 for irrigation of 135 acres located in the SW 1/4 Section 7; all in T113N-R63W. This application proposes to move the irrigation approximately 3 miles east and 4 miles north with the well to be located in the approximate center of the SW 1/4 Section 22 to irrigate 135 acres located in the SW 1/4 Section 22; all in T114N-R63W. The water source for this irri-

gation system is the Tulare:Western Spink Hitchcock Aquifer and no increase in the diversion rate or number of acres irrigated is 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 his justification for this change is that the land is better suited to his farming operation for irrigation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7725C-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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mail-

ing address is given above. A petition filed by either an interested person or the applicant must be filed by October 14, 2014.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources. No. 1465 (adv.) Published one time at the total approximate cost of \$43.87.



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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



September 23, 2014

Redfield Press
PO Box 440
Redfield SD 57469

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7725C-3 to Appropriate Water. Please publish the notice once on October 1, 2014. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Danny Peterson, 38984 189th St, Hitchcock SD 57348 (Ph # 605-266-2876).

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

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov



September 23, 2014

Plainsman
PO Box 1278
Huron SD 57350

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7725C-3 to Appropriate Water. Please publish the notice once on October 1, 2014. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Danny Peterson, 38984 189th St, Hitchcock SD 57348 (Ph # 605-266-2876).

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

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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



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

September 23, 2014

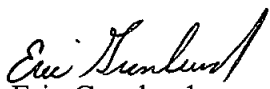
Danny Peterson
38984 189th St
Hitchcock SD 57348

Dear Mr. Peterson:

Water Permit Application No. 7725C-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Redfield Press printed at Redfield SD (Ph # 605-472-0822) and the Plainsman printed at Huron SD (Ph # 605-353-7401). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,


Eric Gronlund
Natural Resources Engineer
(605) 773-3352
enclosures

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

Instruction to Newspaper - Publish the Notice on October 1, 2014. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7725C-3

Notice is given that Danny Peterson, 38984 189th St, Hitchcock SD 57348 has filed Application No. 7725C-3 which requests to amend Water Permit No. 7725A-3 by transferring the irrigated acreage and point of diversion to other land. Water Permit No. 7725A-3 appropriates 1.93 cubic feet of water per second from one well located in the center of the SW 1/4 Section 7 for irrigation of 135 acres located in the SW 1/4 Section 7; all in T113N-R63W. This application proposes to move the irrigation approximately 3 miles east and 4 miles north with the well to be located in the approximate center of the SW 1/4 Section 22 to irrigate 135 acres located in the SW 1/4 Section 22; all in T114N-R63W. The water source for this irrigation system is the Tulare:Western Spink Hitchcock Aquifer and no increase in the diversion rate or number of acres irrigated is 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 his justification for this change is that the land is better suited to his farming operation for irrigation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7725C-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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by October 14, 2014.

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

Published once at the total approximate cost of _____.



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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



OCT 20 2014

Danny Peterson
38984 189th St
Hitchcock SD 57348

Dear Mr. Peterson:

Enclosed is Water Permit No. 7725C-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,

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

enclosures

7725C-3

Form 10

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

Date 10-30-14

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

OCT 30 2014
WATER RIGHTS
PROGRAM

FROM:

Danny Peterson

(name)

38984 189th Street

(address)

Hitchcock SD 57348

(city, state, zip)

605 350 4717

(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.

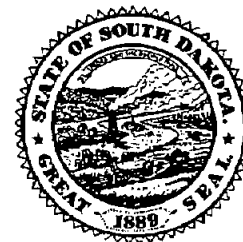
Water Permit No. 7725C-3 states that the water use system is to be constructed by
July 11, 2018 , and water is to be put to beneficial use by July 11, 2022
(date) (date)

The water use system was completed on October 30, 2014
(date)

Applying the water to beneficial use was completed on Ready on October 30, 2014
Anticipate Beneficial Use to
begin 2015
(date)

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

Danny Peterson
(signature)



Permit No. 7725C-3

Contact Person & Address: **Danny Peterson, 38984 189th St., Hitchcock, SD 57438**

Report of Examination of Works

On, **November 5, 2019**, I made a thorough examination of the water use system constructed by **Danny Peterson** holder of Permit No. **7725C-3**, bearing the priority of **February 28, 2013** authorizing the diversion of **1.93** cu. ft. per second of the waters of **Tulare: Western Spink Hitchcock Aquifer** for **irrigation** purposes, in **Spink** County.

The system is in the following condition **good**. The point of diversion is located **from the SW corner of Section 22, T114N, R63W, 1,475' North and 1,500' East** with latitude of **44.66587** and a longitude of **-98.39656** as determined using **GPS**. The works are capable of diverting and conveying to the place of use **1.78** cu. ft. per second of water which is to be used for **irrigation**. Water has been put to beneficial use to the maximum extent as follows:

All land is located in **Sec 22, T114N, R63W**

NW ¼ SW ¼ - 33.75 ac NE ¼ SW ¼ - 33.75 ac SE ¼ SW ¼ - 33.75 ac SW ¼ SW ¼ - 33.75 ac

comprising a total of **135** acres of land and the license should be issued for **1.78** cfs.

Review of Permit Qualifications and Regulations:

- 1) Special qualifications to permit being abided by **yes**
- 2) All structures, wells and lands on map **yes**
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **yes**.
- 4) Exceptions to compliance are: **none**.

Report On the Specifics of the System

Diversion Point Information:

Well Information:

- 1) Well Drilling Firm: Pullman Well Drilling 2) No. of Wells **1** 3) Depth(s) **63** feet 4) Well log is available **yes**

Casing:

- 1) Diameter **16** inches 2) Length **48** feet 3) Type **PVC**

Screen:

- 1) Type **Stainless Steel** 2) Length **15** feet 3) Static water level **20** feet

Pump:

- 1) Make **Turbine** 2) Model **na** 3) Size **na** 4) Capacity **800** GPM

Motor:

- 1) Make **na** 2) Model No. **na** 3) Horsepower rating **45** hp

DISTRIBUTION LINES OR CANALS:

- 1) Type PVC 2) Size 10 inches 3) Length 220 feet

SYSTEM TYPE:

Center pivot:

- 1) Make T & L 2) Overall length 1300 feet
3) Number of towers 8 4) End gun yes
5) High or low pressure low 6) Capacity 800 GPM

CHEMIGATION EQUIPMENT:

- 1) Does chemigate yes 2) Main line check valve yes
3) Inspection port/air relief yes 4) Low pressure drain yes
5) Discharge is 20' from source na 6) Interlock type na
7) Injection pump type na 8) Injection check valve na
9) Injection line check valve or positive displacement pump na
10) All chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules : **NOTE, CHEMIGATION EQUIPMENT WAS NOT ON SITE. Permit holder shall make sure the low pressure drain outlets at least 20' from the water source.**

Comments: none

Dated: November 21, 2019



Terry D Helms

Water Rights Inspector

SOUTH DAKOTA WATER WELL COMPLETION REPORT

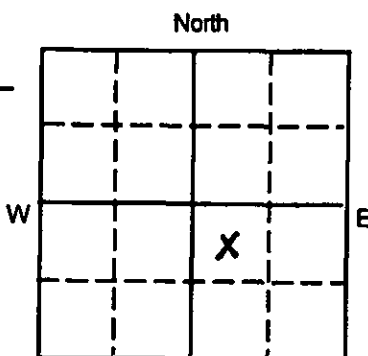
11-02

Location NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 22 Twp 114 Rg 62

County

Spink

Please mark well location with an "X"



1 Mile

Well Completion Date

4/16/2004

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

? ft. from In Pasture (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT LB/FT	DIAMETER IN	FROM FT	TO FT	HOLE DIAMETER IN
	16.00	0.0	48.0	24.00

GROUTING DATA:

Grout Type ement	No. of Sacks	Grout Weight Lb/gal	From 0.0 Ft	To 20.0 Ft
	<u>50</u>			

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 15.0 FeetMaterial 1/2 Stainless SteelSlot Size .060 Set From 48.0 Feet to 63.0 Feet

Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Gravel

Describe packer(s) and location

Gravel Packed

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Bellet
☐ No, Why Not?

Lab sample sent to for water quality analysis

Well Owner: Lenny PetersonBusiness Name: Peterson FarmsAddress: 1911 Maple AveCity, State, Zip: Hitchcock SD 57348

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Yellow Clay	0	10
Fine to Med Sand	10	20
Med to Coarse Sand w/ Coal	20	30
Coarse Sand	30	40
Coarse Sand w/ Pearock	40	50
Gravel	50	60
Blue Clay	60	63

STATIC WATER LEVEL

20 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:
☐ Bailed
☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

This well was drilled under license # 440

And this report is true and accurate.

Drilling firm: Pullman Well Drilling Inc.

Signature of License Representative:

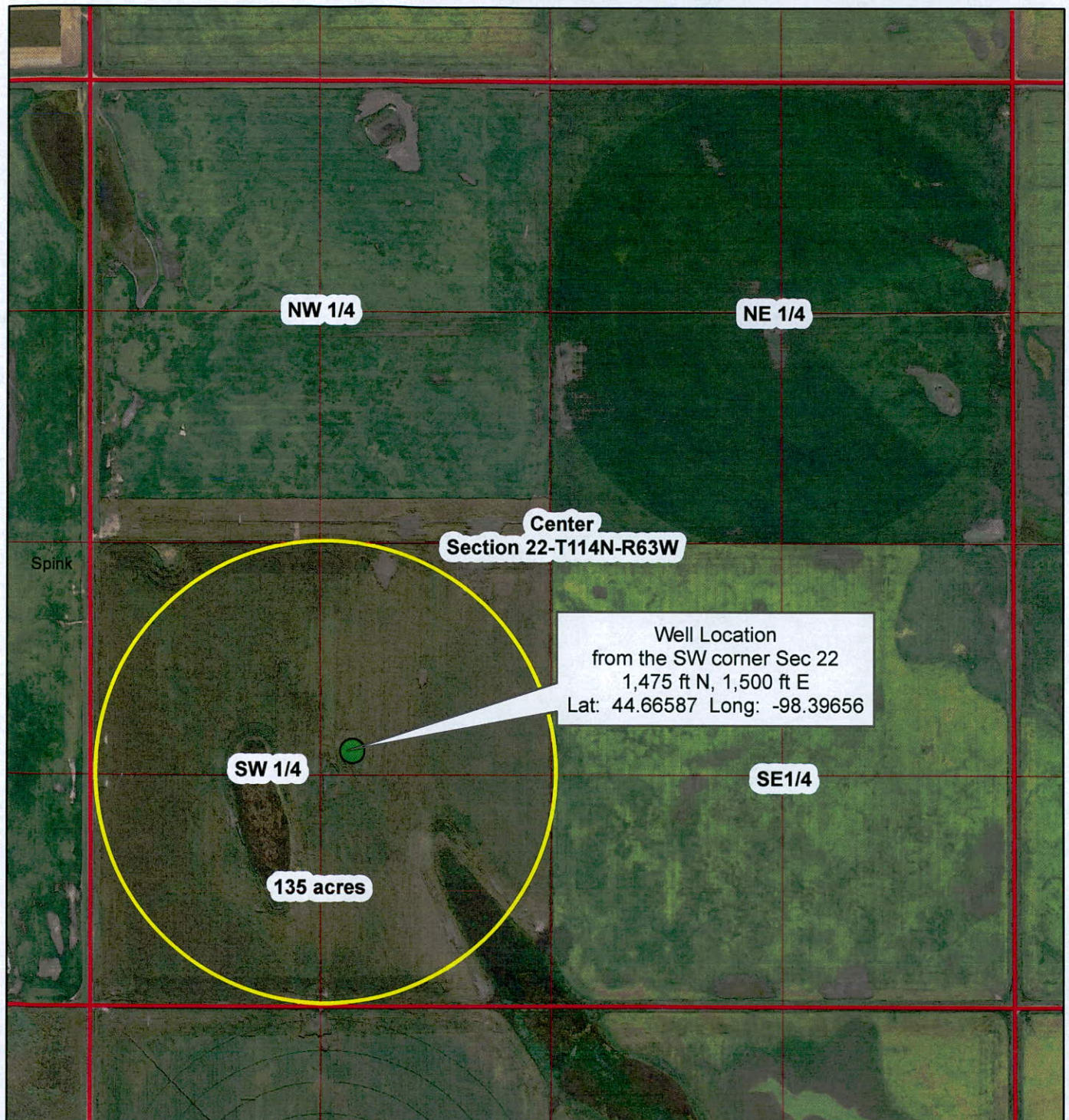
Signature of Well Owner or Equitable Property Holder:

Date:

4/16/04

RECEIVED
SEP - 9 2004
WATER RIGHTS
PROGRAM

Water Right No. 7725C-3, Danny Peterson



0 330 660 1,320 1,980 2,640 Feet



Terry D Helms

Terry D Helms, PE
Water Rights Inspector
DENR, Water Rights Program
November 7, 2019



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

FEB 24 2020

7725C-3

Danny Peterson
38984 189th St
Hitchcock SD 57438

Dear Mr. Peterson:

Enclosed is Water License No. 7725C-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, 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,

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

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7725C-3

(1) Danny Peterson, 38984 189th St., Hitchcock SD 57348 made Application No. 7725C-3, July 23, 2014 for a water permit to amend Water Permit No. 7725A-3 by transferring the irrigated acreage and point of diversion to other land. The permit authorized moving the irrigation approximately 3 miles east and 4 miles north with the well located in the approximate center of the SW ¼ Section 22 to irrigate 135 acres located in the SW ¼ Section 22, T114N, R63W. The project is located in Spink County with the water source identified as the Tulare: Western Spink Hitchcock Aquifer.

Water Permit No. 7725A-3 authorized diversion of 1.93 cubic feet of water per second from one well to irrigate a total of 135 acres. The amendment transferred the entire diversion authority and acreage to other land. Water Permit No. 7725C-3, with a priority date of February 28, 2013 (established under Water Permit No. 7725A-3) was approved October 14, 2014 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 11, 2018 and for the application to beneficial use of water on or before July 11, 2022.

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

- 1,475' N and 1,500' E of the SW corner of Section 22, T114N, R63W (NE ¼ SW ¼)
Latitude 44.66587, Longitude -98.39656

(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:

T114N, R63W Section 22	NW ¼ SW ¼	33.75 acres
	NE ¼ SW ¼	33.75 acres
	SE ¼ SW ¼	33.75 acres
	SW ¼ SW ¼	33.75 acres
Total		135.00 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Danny Peterson, 38984 189th St., Hitchcock SD 57348 the holder and/or owner of Water Right No. 7725C-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from ground water, one well (Tulare: Western Spink Hitchcock Aquifer) with a priority date of February 28, 2013 from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7725C-3 and subject to the following qualifications:

- The well approved under Water Right No. 7725C-3 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.

continued

- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.
- Approval of Water Permit No. 7725C-3 incorporates Permit No. 7725A-3. *(This action was done during the permitting process.)*

Jeanne Goodman

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

FEB 24 2020

date



11-02

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location NE 1/4 SW 1/4 Sec 22 Twp 114N Rg 63W Well Owner: Danny Peterson

County SPIRK Business Name: _____

Address: 38904 189th St

City, State, Zip: Hitchcock SD 57348

Please mark well location with an "X"

Well Completion Date 7-28-21

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: ☐ Steel ☒ Plastic ☒ Other

If other describe stainless steel

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
<u>5.5</u>	<u>16</u>	<u>0</u>	<u>46</u>	<u>26"</u>
	<u>16</u>	<u>46</u>	<u>66</u>	<u>26"</u>

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	FT	FT
<u>#20</u>	<u>23</u>		<u>0</u>	<u>45</u>
		Lb/gal	FT	FT

Describe grouting procedure Tremie Pipe

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 16 Inches Length 20 Feet

Material stainless steel

Slot Size .050 Set From 46 Feet to 66 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 LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>3</u>
<u>yellow Clay</u>	<u>3</u>	<u>20</u>
<u>Sand Coal Pea Rock</u>	<u>20</u>	<u>66</u>

STATIC WATER LEVEL 10 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

15 Ft. After 4 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 Grathen

Signature of Well Owner or Equitable Property Holder: _____

RECEIVED

Date: SEP 10 2021WATER RIGHTS
PROGRAM



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

September 15, 2021

Danny Peterson
38984 189th St
Hitchcock SD 57348

Dear Mr. Peterson:

A well driller's report filed by Stretch's Well Service shows that they recently completed a new well for you. The report indicates the well water will be used for irrigation.

A review of our files indicates Water Right No. 7725C-3 was licensed for 800 gallons per minute (gpm) from one well, approximately 63 feet deep located in the NE 1/4 SW 1/4 Section 22 to irrigate 135 acres in SW 1/4 Section 22; all in T114N-R63W.

Mr. Peterson, is this a replacement well or an additional well which does not increase the total appropriation of 800 gpm? If the authorized diversion rate is increased, a new water permit will need to be obtained. Once we know this information, we can determine what additional action, if any, needs to be taken to ensure the water right accurately reflects your irrigation system.

Please contact me or send an email regarding the status of this well. If you have any questions, let me know.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

Schlaak, Karen

From: Danny Peterson <petersonbrothers@live.com>
Sent: Monday, September 20, 2021 3:25 PM
To: Schlaak, Karen
Subject: [EXT] Water Permit #7725C-3

Karen,

I received your letter of September 15, 2021. The well driller's report filed by Stretch's Well Service for Permit Number 7725C-3 is a replacement well. The old well went bad on SW ¼ of Section 22 114-63 135 acres irrigated at 800 gpm. This is a replacement well not an addition. Thanks! Danny Peterson

Sent from Mail for Windows