

WATER PERMIT NO. 6673-3

Name of Applicant: **Rodney L Larsen**

Address: **23772 355th Ave, Kimball SD 57255** Phone: **605 778-6721**

Amount of Water Claimed: **0.1 cfs** Total Acres: **NA**

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

Water to be used for: **domestic** County: **Buffalo**

Type of Waste Disposal System:

Location: **8 miles southwest of Gann Valley**

PRIORITY Date Received: **10-20-05**

Application/License Fee: **\$100**

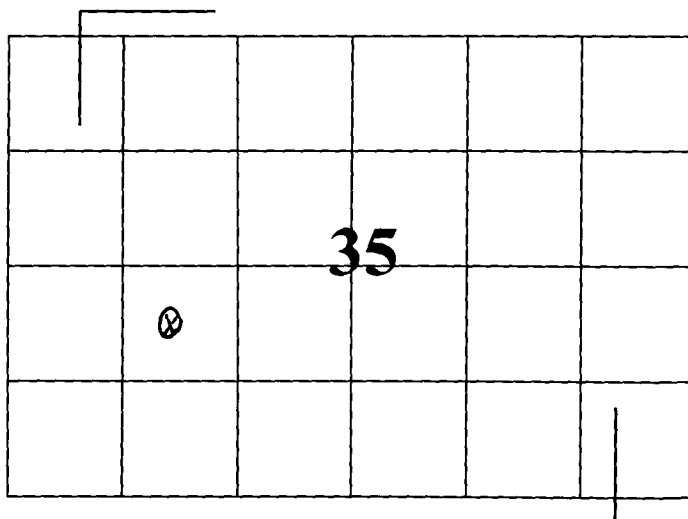
Corrected Application Received: **11-17-05**

Period of Annual Use: **January 1 – Decmeber 31**

Remarks: **cattle feedlot**

Diversion Point: **NW ¼ SW ¼ Sec 35-T106N-
R69W**

Land to be Irrigated: **NA**



Depth of Well: **1100**

Well Driller: : **Pullman Well Drilling**

Remarks:

Type of Map: **aerial**

Prepared by: **NRCS Dist Conservationist, BL Co.**

Reviewed and the Number Assigned on: **11-17-05**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

FORM 2: Application for uses other than irrigation
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6673-3</u> (office use only)	Hydrologic Unit <u>10140105</u>
	Basin <u>Missouri River</u>	
	Newspaper <u>Central Dakota Times, Chamberlain</u>	

RECEIVED

OCT 20 2005

WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal	☐ Suburban Housing	☐ Recreational	☐ Institutional
☐ Rural Water System	☐ Commercial	☐ Fish & Wildlife	☐ Geothermal Heat
☒ Domestic (over 18 gpm)	☐ Industrial	☐ Other	

Type of Application:

(check one)

☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

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

- Name of Applicant Rodney L. Larsen Phone 605-778-6721
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address RR2 Box 34 Kimball State SD 57355
23772 355th Ave (Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0.1 *CFS or 45 **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Dakota Formation
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Buffalo
NW1/4 SW1/4 Sec 35 - T106N-R69W
- County or counties where water will be used Buffalo
- Annual period during which water is to be used Daily Jan 1-Dec 31
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

STATE OF SOUTH DAKOTA)

County of Brule 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, Rodney L. Larsen, 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

Rodney L. Larsen

Subscribed and sworn to before me this

19

day of

October

2005

Jeffrey R. Smith
Notary Public
October 1, 2005

Jeffrey R. Smith

Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 6673-3**

Date of first receipt of application October 20, 2005.

Date of return to applicant for corrections, amendments or changes October 20, 2005.

Date of receipt of corrected application November 17, 2005.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6673-3 to Rodney L. Larsen, 23772 355th Ave, Kimball SD 57355 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. 6673-3 appropriates 0.1 cubic feet of water per second from one well completed into the Dakota Formation (1100 feet deep) located in the NW 1/4 SW 1/4 Section 35-T106N-R69W.
2. The water appropriated shall be used for the purpose of commercial use in a cattle feedlot operation and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 6673-3 is January 2, 2006.
5. The date from which applicant may claim right is October 20, 2005.
6. 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. Permit No. 6673-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.
3. Permit No. 6673-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions

WATER MANAGEMENT BOARD

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

JAN 26 2006
date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 7 7/8 4 1/2 Depth 1100'
- b) Casing Type PVC Diameter 5" 2" Thickness _____
- c) Screen Type PVC Diameter 2 1/2 Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material 808
- f) Depth to Water (ground surface to water level) Flow 15 GPM
- g) Distance to nearest existing domestic well:
On applicants property 1 mile On property owned by others others

2. Wastewater Disposal System Information

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

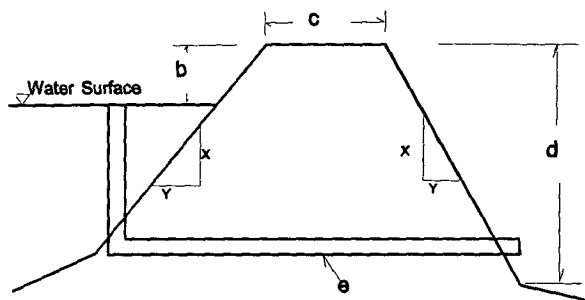
3. Dugout Information

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

4. Water Storage Dams

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

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



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

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date November 17, 2005

RECEIVED OF Rodney L Larsen, 23772 355th Ave, Kimball SD 57355

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

Fee for Application for Permit No. <u>6673-3</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>6673-3</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. **002005**

By Darland Erbe
Chief Engineer gm

Section 35, 106-69

well location

By:

Shirley Leach

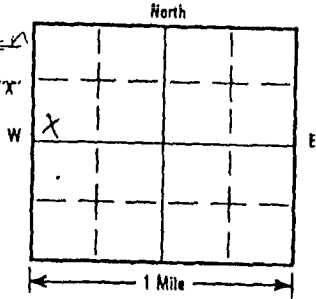
NRCS District Conservation
Chamberlain, SD

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW 1/4 1/4 Sec. 35 Twp. 10-N R. 19-WCounty Deuel
Buffalo

Please mark well location with an "X"

Well Completion Date 8-26-93Well Owner: Rodney LarsenBusiness Name: Address: RR Box 34
Kimball, SD 57355

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Yellow Clay	0	50
Shale	50	110
White Shale	110	145
gray Shale	145	160
Shale	160	360
Chalk	360	460
Shale	460	808
good Coarse Hard Sand	808	859
Shale	859	865
good Sand	865	900
Shale	900	932
good Sand	932	960
fair-good Sand	960	1100
TO 1100'		

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, lead lot, etc.)? 100 ft. from feed yard (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Forward Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT <u>5</u>	IN <u>5</u>	FT <u>0</u>	FT <u>200</u>	IN <u>7 1/2</u>
LB/FT <u>2</u>	IN <u>2 1/2</u>	FT <u>200</u>	FT <u>960</u>	IN <u>4 1/2</u>
LB/FT _____	IN _____	FT _____	FT _____	IN _____

GROUTING DATA

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

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 2 1/2 IN Length 140 FEETMaterial PvcSlot Size 0.16 Set From 960 Feet to 1100 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NOIf so, what material? rubberDescribe packer(s) and location? pkd @ 960 ft.

DISINFECTION:

Was well disinfected upon completion? _____ YES, How: _____

_____ NO. Why Not? _____

Laboratory sent to for water quality analysis _____

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure 4 PSIGPM flow 15 through 2 inch pipeControlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? yes

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 DrillingSignature of License Representative: R. S. Field

Signature of Well Owner or Equitable Property Holder: _____

Date: 11-5-9312/17/93



**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 20, 2005

Rodney L Larsen
RR 2 Box 34
Kimball SD 57355

Dear Mr. Larsen:

Thank you for submitting the *Application for a Permit to Appropriate Water* for domestic use. In order to complete the application the following is required.

- ✓ A map showing the location of the well in relation to a government section corner or quarter corner by direction and distance is required. The map must be signed by one of the following: Registered Land Surveyor, Registered Professional Engineer or by any other government employee who normally prepares maps as a part of his assigned duties (i.e. local NRCS office).
- ✓ The application/license filing fee will be \$100.00.
- Please explain what your domestic use will be, such as a cattle feedlot, etc.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

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

RECEIVED
NOV 17 2005
WATER RIGHTS
PROGRAM

The domestic use is for cattle.

REPORT ON APPLICATION NO. 6673-3

For Rodney L. Larson

November 22, 2005

This application proposes to appropriate 0.1 cubic feet of water per second (cfs) from one well completed into the Dakota Formation (1100 feet deep) located in the NW ¼ SW ¼ Section 35-T106N-R69W. The water is for commercial use in a cattle feedlot operation.

AQUIFER – DAKOTA FORMATION (DKOT)

The Dakota Formation consists of sandstones and shales and approximately 250 feet thick in this area (Schoon, 1971). The Dakota Formation contains and estimated 7 million acre-feet of recoverable water and underlies 479 square miles in Buffalo County (Hedges, 1982). The aquifer is under artesian conditions and according to well log data submitted by Pullman Well Drilling, the well is capable of producing 15 gallons per minute and can be completely shut in for well control. The information available indicates this well was completed in a manner termed “slim hole” construction. This construction follows SD Well Construction Standard 74:02:04:35 but would not be permissible for a commercial operation of this type today.

The Water Rights Program monitors an observation well (BL-83A) located near Chamberlain approximately 17 miles southwest of this location. Water levels for this well have gradually declined (at a rate of about ½ foot per year) since the well was completed in 1983 (Water Rights, 2005). A hydrograph of this well is included in this report labeled as Figure 1. Various authors have documented the Dakota Formation head pressure is in a declining state primarily due to the large number of uncontrolled flowing wells.

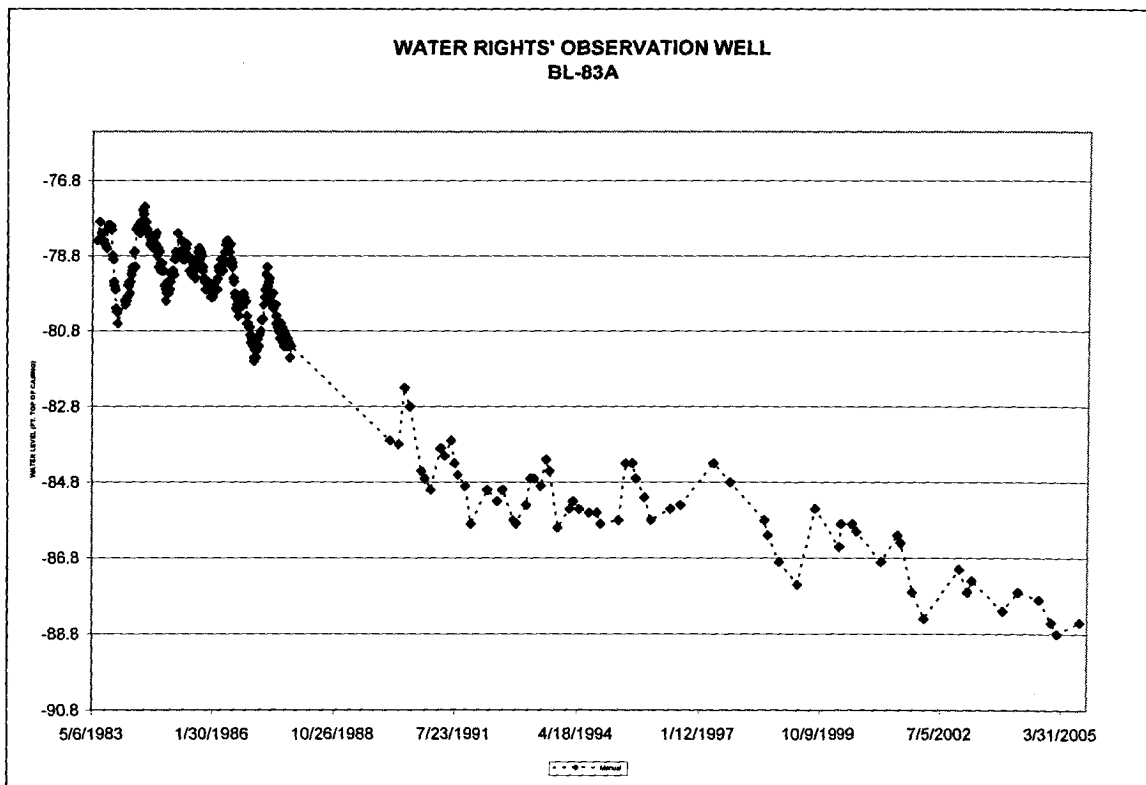


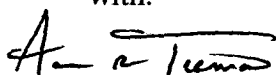
Figure 1. Hydrograph of observation well BL-83A.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are no other water rights/permits from the Dakota Formation in this area. The nearest existing permitted user is approximately 8 miles to the northeast. That well is for Water Rights No. 2846-3 (0.2 cfs for municipal use). Interference should not be a problem.

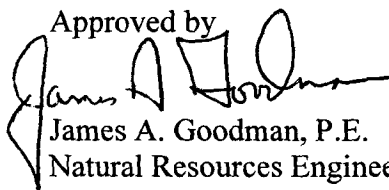
CONCLUSIONS

1. Water is available from the Dakota aquifer.
2. The aquifer is under artesian conditions. The well completion report indicates this is a flowing well at a rate of 15 gpm. Interference should not be a concern.
3. This well does not appear to be constructed in accordance with existing well construction requirements for commercial use. If a new well is drilled or an existing one replaced, SD Well Construction Standards will have to be complied with.



Aaron R. Tieman
Natural Resources Engineer

Approved by



James A. Goodman, P.E.
Natural Resources Engineering Director

BIBLIOGRAPHY

- Hedges, L.S., 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DWR, SDGS, Vermillion, SD, 57069.
- Schoon, R.A., 1971, Geology of Hydrology of the Dakota Formation in South Dakota, Report of Investigation #104, SD DENR, SDGS, Vermillion, SD, 57069.
- Water Right, 2005, Dakota Formation Observation Well Data, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.



**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. 6673-3, Rodney L. Larsen**

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. 6673-3, Rodney L. Larsen, 23772 355th Avenue, Kimball SD 57355.

The Chief Engineer is recommending APPROVAL of Application No. 6673-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Permit No. 6673-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.
3. Permit No. 6673-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions

See report on application for additional information.

Garland Erbele, Chief Engineer
December 6, 2005

AFFIDAVIT OF PUBLICATION

State of South Dakota

SS

County of Brule

Debi Hopkins of said county, being, first duly sworn, on oath, says: That she is the publisher of *Central Dakota Times*, a weekly newspaper, published in the City of Chamberlain, in said County of Brule, and State of South Dakota; that she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4 inclusive; that said newspaper has been published within the said County of Brule and State of South Dakota, for at least one year next prior to the first publication of the attached public notice, and that the Notice of

Application No. 6673-3
To Appropriate Water

a printed copy of which, taken from the paper in which the same was published, and which is hereto attached and made a part of this affidavit, was published in said newspaper for two successive week(s) to wit:

Dec. 14, 2005; Dec. 21, 2005;
_____, 20____; _____, 20____;
_____, 20____; _____, 20____;

That the full amount of the fee charged for the publication of the attached public notice inures to the sole benefit of the publisher or publishers; 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; that the fees charged for the publication thereof are:

\$34.21

Signed: Debi Hopkins

Subscribed and sworn to before me this 29th day
of December, 2005

Janet L. Petrak
Notary Public in and for the County of Brule,
South Dakota

JANET L. PETRAK
SEAL NOTARY PUBLIC SEAL
SOUTH DAKOTA

NOTICE OF APPLICATION NO. 6673-3 TO APPROPRIATE WATER

OK
Notice is given that Rodney L. Larsen, 23772 355th Avenue, Kimball, SD 57355 has filed an application for a water permit to appropriate 0.1 cubic feet of water per second from one well completed into the Dakota Formation (1,100 feet deep) located in the NW 1/4 SW 1/4 Section 35-T196N-R69W. The water is for commercial use in a cattle feedlot operation.

Pursuant to SDCL 46-2A-2, the chief engineer recommends Approval of Application No. 6673-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the water management board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with both the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The chief engineer's address is "Water Rights Program, Foss Building, 523 East 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 Jan. 2, 2006.

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. Finner
Secretary

Department of Environment and Natural
Resources

(December 14/December 21)

RECEIVED

DEC 30 2005

WATER RIGHT
PROGRAM

Instruction to Newspaper - Publish first Notice on December 14, 2005 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6673-3 to Appropriate Water

Notice is given that Rodney L Larsen, 23772 355th Ave, Kimball SD 57355 has filed an application for a water permit to appropriate 0.1 cubic feet of water per second from one well completed into the Dakota Formation (1100 feet deep) located in the NW ¼ SW ¼ Section 35-T106N-R69W. The water is for commercial use in a cattle feedlot operation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6673-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by January 2, 2006.

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.



**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.

December 6, 2005

Rodney L. Larsen
23772 355th Ave
Kimball SD 57355

Dear Mr. Larsen:

Water Permit Application No. 6673-3 for commercial use has 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 Central Dakota Times printed at Chamberlain, SD (Ph # 605-234-0266). 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 a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

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

Sincerely,


Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

December 6, 2005

Central Dakota Times
PO Box 125
Chamberlain SD 57325-0125

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 6673-3 to Appropriate Water to be published twice. Please publish the first notice on December 14, 2005 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Rodney L Larsen, 23772 355th Ave., Kimball SD (Ph # 605-778-6721).

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

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

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 6673-3

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

Date _____

We are in receipt of your letter of December 6, 2005 enclosing Notice to Appropriate Water by Application No. 6673-3 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

JAN 26 2006

Rodney L Larsen
23772 355th Ave
Kimball SD 57355

Dear Mr. Larsen:

Enclosed is Water Permit No. 6673-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,

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

enclosures

Permit No. 6673-3
Missouri River - Water District

Contact Person & Address: **Rodney Larsen, 23772 355th Ave, Kimball SD 57355**

Report Of Examination Of Works

On, **March 11, 2015**, I made a thorough examination of the water use system constructed by **Rodney Larsen** holder of Permit No. **6673-3**, bearing the priority of **October 20, 2005** authorizing the diversion of **0.1** cu. ft. per second of the waters of **groundwater Dakota Aquifer** for **commercial** purposes, in **Brule** County.

The system is in the following condition **good**. The point of diversion is located all in **Sec 35 T106N R69W from the SW corner 780 ft E and 1960 feet N** with latitude of **43.93975** and a longitude of **-99.08516** as determined using **GPS**. The works are capable of diverting and conveying to the place of use **0.1** cu. ft. per second of water which is to be used for **commercial purposes in a feedlot**. Water has been put to beneficial use to the maximum extent as follows:

The feedlot is located in **the W ½ of Sec 35 T106N R69W** and the license should be issued for **0.1** 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 **NA**.
- 4) Exceptions to compliance are: **yes**

Report On the Specifics of the System

Diversion Point Information:

Well Information:

- 1) Well Drilling Firm: **Huron Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **1100** feet
- 4) Well log is available **yes**

Casing:

- 1) Diameter **2 - 5** inches
- 2) Length **?** feet
- 3) Type **pvc**

Screen:

- 1) Type **pvc**
- 2) Length **140** feet
- 3) Static water level **150** feet

Pump:

- 1) Make **unknown**
- 2) Model **unknown**
- 3) Size **4**
- 4) Capacity **45** GPM

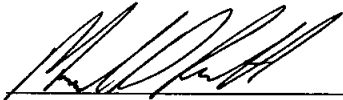
Motor:

- 1) Make unknown 2) Model No. unknown 3) Horsepower rating unknown hp

DISTRIBUTION LINES OR CANALS:

- 1) Type black polyplastic

Comments : none



Mark D. Rath
Natural Resources Engineer III
DENR, Water Rights Program

3-13-15

Date

No 6673-3



Mark D Rath 3-13-15
Mark D Rath
Natural Resources Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

6673-3
7020-3
7021-3
7022-3
7023-3

JUN 01 2015

Rodney L Larson
23772 355th Ave
Kimball SD 57355

Dear Mr. Larson:

Enclosed are Water License Nos. 6673-3, 7020-3, 7021-3, 7022-3 and 7023-3. These are the final water right documents completing your process of obtaining a Water Right. Also, included with each license is a map prepared by the staff engineer who conducted the investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by these Water Rights, 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 Licenses, 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. 6673-3

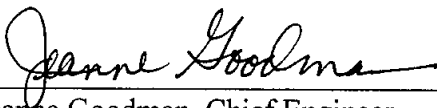
(1) Rodney L. Larsen, 23772 355th Ave, Kimball SD 57355 made Application No. 6673-3, October 20, 2005 for a water permit to divert 0.10 cubic feet of water per second from groundwater (one well-Dakota Formation), Brule County, South Dakota for commercial purposes. Permit No. 6673-3, with a priority date of October 20, 2005 was approved January 2, 2006 and issued to the applicant for diversion of water with construction of the described water supply system and the application to beneficial use of water completed.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 6673-3 is issued a license, bearing a priority date of October 20, 2005 to appropriate 0.10 cubic feet of water per second from groundwater (one well) for commercial use in a cattle feedlot operation.

The diversion point is located: 780 feet E and 1,960 feet N of the SW corner of Section 35-T106N-R69W (NW 1/4 SW 1/4).

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6673-3 including the following now applicable 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.
- Permit No. 6673-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.
- Permit No. 6673-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions



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

JUN 01 2015

date

