

WATER PERMIT NO. 7092-3

Name of Applicant: **Melvin Knutson**

Address: **21056 479th Ave, White SD 57276** Phone: **605 693-4566**

Amount of Water Claimed: **2.28 cfs** Total Acres: **160**

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

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

Type of Waste Disposal System:

Location: **7 miles east of Brookings**

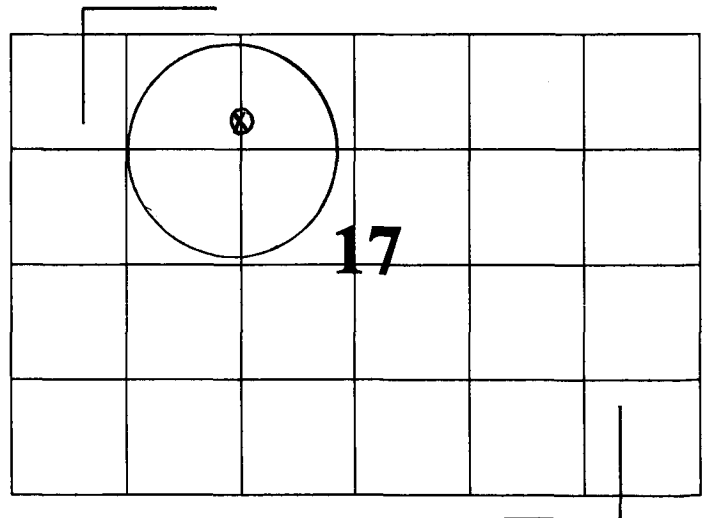
PRIORITY Date Received: **1-20-09** Application/License Fee: **\$300**

Corrected Application Received: Period of Annual Use: **May 1 – Sept 30**

Remarks: **Utilizing existing well that was authorized by cancelled Water Permit No. 4590-3**

Diversion Point: **N ½ NW ¼ Sec 17-T110N-R48W**

Land to be Irrigated: **NW ¼ Sec 17-T110N-R48W**



Depth of Well: **47 feet deep**

Well Driller: :

Remarks:

Type of Map: **aerial**

Prepared by: **Craig Olson, NRCS Brookings Co.**

Reviewed and the Number Assigned on: **1-20-09**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>7092-3</u> (office use only)	Hydrologic Unit <u>10170202</u>
	Basin <u>Big Sioux River</u>	
	Newspaper <u>Brookings Register</u> <u>PO Box 177</u>	
	<u>605-692-6271</u> <u>57006</u>	

RECEIVED

JAN 20 2009

WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☐ Amendment/Correction to Permit No. Old Permit # 4590-3
(Use predates Mar 2, 1955)

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

- Name of Applicant Melvin Knutson Phone 605 693-4566
(check one) ☒ Owner ☐ Tenant/lessee
- Mailing Address 21056 479th Ave White State SD
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 2.28*CFS or **GPM ***AF Total Acreage 160
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply well from old permit 4590-3 400ft from center N
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Brookings
N1/2 NW1/4 Sec 17 T110N R 48W
- County or counties where water will be used Brookings
- Annual period during which water is to be used May 1 - Sept 30
- 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
NW 1/4 of the NW 1/4 Sec 17-110-48	40		
NE 1/4 of the NW 1/4 Sec 17-110-48	40		
SE 1/4 of the NW 1/4 Sec 17-110-48	40		
SW 1/4 of the NW 1/4 Sec 17-110-48	40		

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

STATE OF SOUTH DAKOTA) SS

County of Brookings

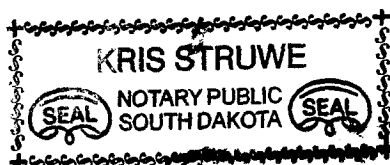
Melvin Knutson

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.

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)

Applicant's signature Melvin Knutson

Subscribed and sworn to before me this 14th day of JANUARY 20 09



K Struwe
Notary Public signature

Exp 10-13-2012

SOUTH DAKOTA
WATER PERMIT NO. 7092-3

Date of first receipt of application January 20, 2009.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7092-3 to Melvin Knutson, 21056 479th Ave, White SD 57276 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. 7092-3 appropriates 2.28 cubic feet of water per second from one existing well completed into the Big Sioux:Aurora Aquifer (47 feet deep) located in N 1/2 NW 1/4 Section 17 to irrigate 160 acres located in the NW 1/4 Section 17; all in T110N-R48W.
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: May 1 – September 30.
3. The date from which applicant may claim right is January 20, 2009.
4. The date of approval of Permit No. 7092-3 is March 30, 2009.
5. One-fifth of the construction is to be completed on or before September 30, 2011.
6. All construction is to be completed on or before March 30, 2014.
7. Water is to be put to beneficial use on or before March 30, 2018.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

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

JUN 12 2009

date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth 47 ft using old well
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

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

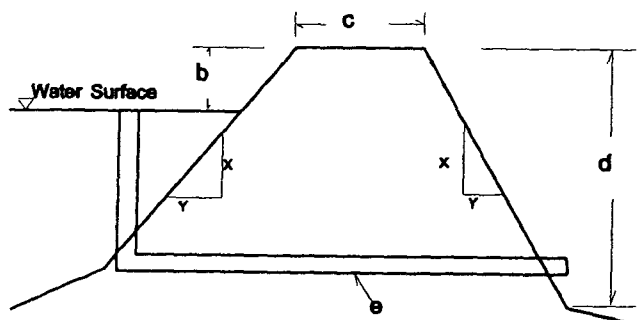
3. Dugout Information

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

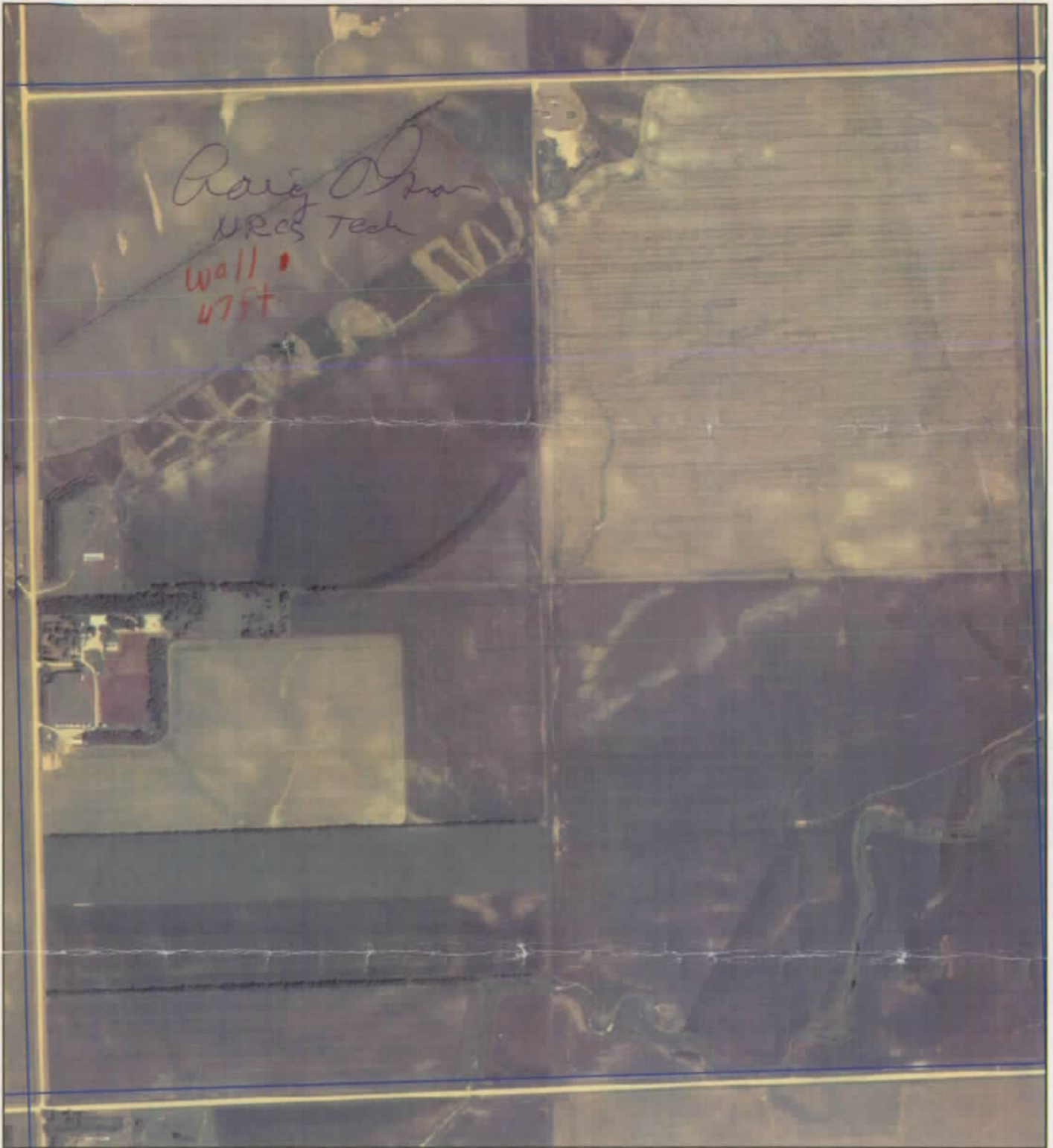
4. Water Storage Dams

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

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



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



RECEIVED

JAN 20 2009

WATER RIGHTS
PROGRAM

USDA - Farm Service Agency
Brookings County, SD

17-110N-48W

1:8,691

August 25, 2008



USDA FSA maps are for FSA Program administration only. There is no guarantee or representation to the user as to the accuracy, currency, suitability or reliability. FSA MAPS DO NOT REPRESENT A LEGAL SURVEY. The user accepts the data 'as is' and assumes all risks associated with its use. Wetland points reflect records available with NRCS and may or may not constitute a full inventory of the property. The USDA Farm Service Agency assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data.

Disclaimer: 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 wetland boundaries and determinations, or contact NRCS.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 1/20, 20 09

RECEIVED OF Melvin Knutson 21056 479th Ave White SD 57276

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

Fee for Application for Permit No. <u>7092-3</u> to Appropriate Water, to construct and to put water to beneficial use	250	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>7092-3</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	300 00

No.

03959

By

[Signature]
Chief Engineer



**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. 7092-3, Melvin Knutson**

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. 7092-3, Melvin Knutson, 21056 479th Avenue, White SD 57276.

The Chief Engineer is recommending APPROVAL of Application No. 7092-3 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. 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
March 4, 2009

NOTE: The application states that the existing well from Water Right No. 4590-3 will be used for this irrigation system. This well will need to be tested to insure production will be dependable. A replacement well may be drilled in this location if necessary as long as it is 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. If a new well is drilled, the existing well must be plugged in accordance with well construction standards.

REPORT ON WATER PERMIT APPLICATION NO. 7092-3

For Melvin Knutson

February 26, 2009

Application No. 7092-3 proposes to appropriate 2.28 cfs (1,023 gpm) from one well approximately 47 feet deep located in the N 1/2 NW ¼ of section 17 to irrigate 160 acres located in the NW ¼ of section 17; all in T110N R48W in Brookings County.

AQUIFER – BIG SIOUX – AURORA

The Big Sioux Aurora is a predominantly surficial outwash (sand and gravel) that is under water table conditions in this area. The aquifer underlies 39,300 acres and contains an estimated 165,060 acre-feet of recoverable water in storage in Brookings County (Hedges, 1982). The aquifer blends into the Big Sioux Brookings aquifer to the west, extends into Minnesota to the east, also extends into Moody County to the southeast and is hydraulically connected to Medary Creek and Deer Creek in this area. The direction of ground water movement is from northeast to southwest in the area of this application (Hamilton, 1989). Recharge to the aquifer has been estimated to be about 6.57 inches per year for the water table portions of the Big Sioux aquifer in Brookings County (Koch, 1980).

There is a well completion report available for this site. The irrigation well was drilled in 1981. The log indicates sand and gravel from 2 to 48 feet with a static water level of 16.5 feet below land surface. The well reportedly produced 900 gpm with a drawdown of about 16.5 feet. This well would have a specific capacity of about 54.5 gpm/ft of drawdown. This is a prolific well but the well is old and should be tested adequately to insure production will be dependable. This application should allow the replacement of the existing well if necessary.

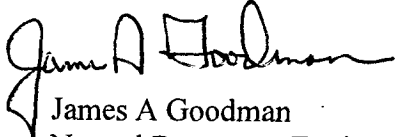
The Water Rights Program monitors an observation well BG-63D located about one-half to the north of this application and completed into the Big Sioux aquifer. Also observation well BG-77H located about two miles south of this application was monitored for many years (1977-1997) until it was destroyed by highway construction. Hydrographs for both these wells are included with this report. In general the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2009).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are two existing water permits/rights with wells within one-half mile from the well for this application. The nearest existing well is located about ¼ miles northeast of this application. That well is authorized by Water Right No. 3218-3 (2.0 cfs, 250 acres). Interference is not expected to be a concern. These wells are both under water table conditions, appear to be prolific producers and are far enough apart to minimize any potential impacts.

CONCLUSIONS

1. Water is available from the Big Sioux Aurora aquifer.
2. The aquifer is under water table conditions at this site. Drawdown is not expected to be significant at the distance between existing wells. Interference is not a concern.
3. This is an existing well. There was an originating permit No. 4590-3 for irrigation of this area that was subsequently cancelled for abandonment. This application would reactivate a portion of that old permit.

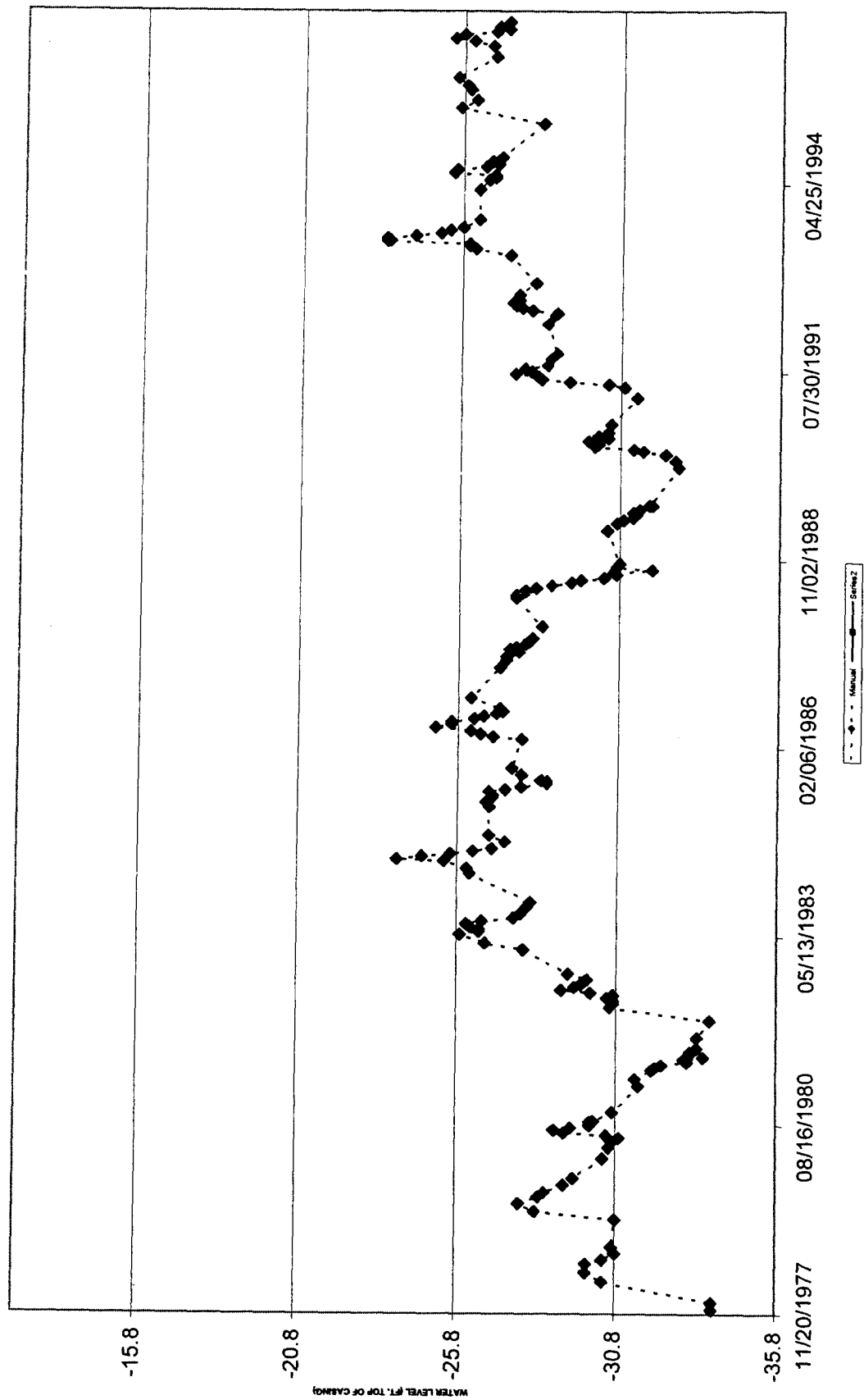


James A Goodman
Natural Resources Engineer

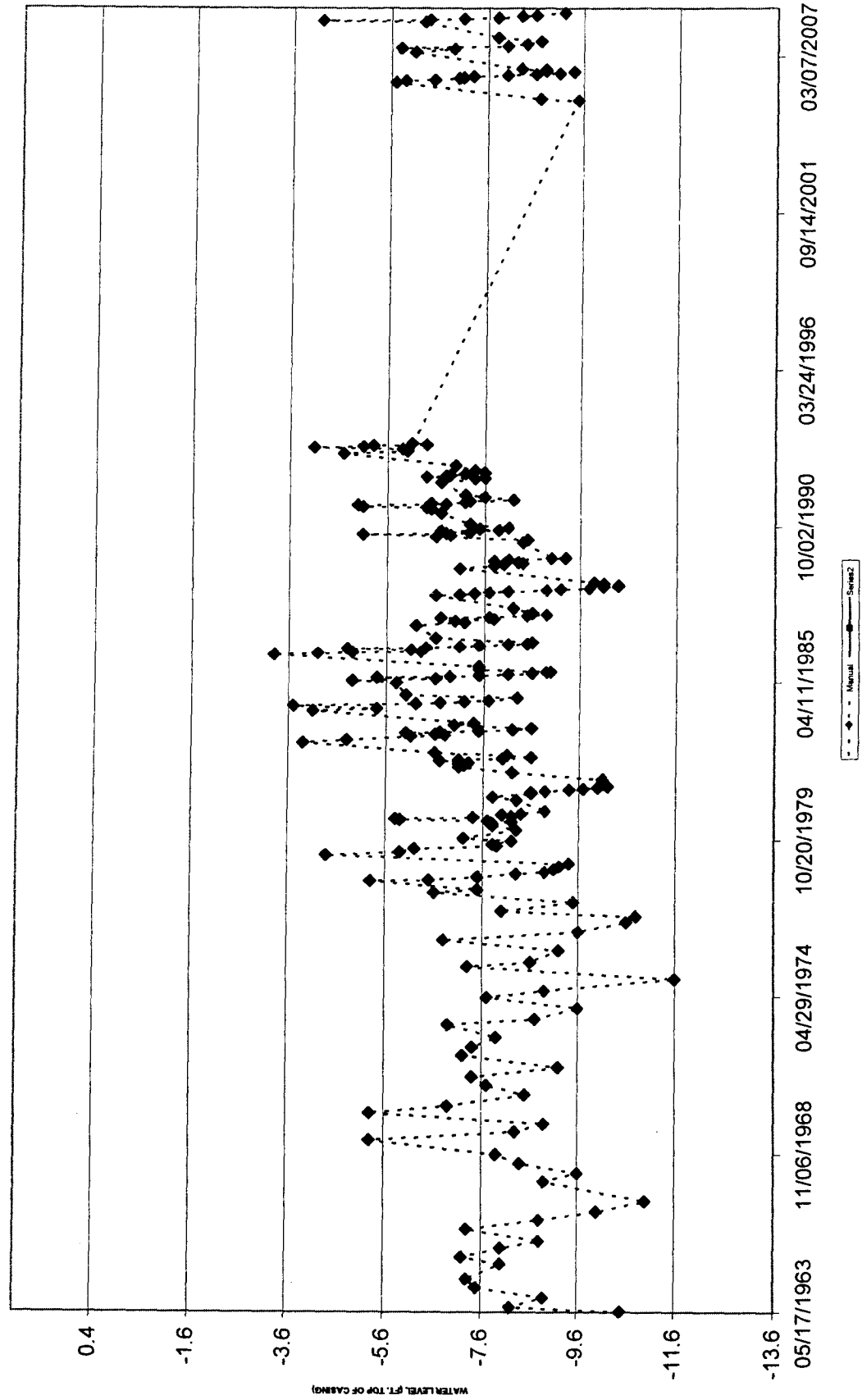
BIBLIOGRAPHY

- Hamilton, L.J., 1989, Water Resources of Brookings and Kingsbury Counties, South Dakota, Water-Resources Investigations Report 88-4185, USGS, Huron, SD, 57350.
- Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources of Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Koch, N.C., 1980, Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota, Water-Resources Investigations Report 80-100, USGS, Huron, SD, 57350.
- Water Rights, 2009, Unpublished Observation Well Data for Brookings County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

**WATER RIGHTS' OBSERVATION WELL
BG-77H**



**WATER RIGHTS' OBSERVATION WELL
BG-63D**



State of South Dakota

Exhibit "A"

ss

MAR 23 2009

County of Brookings

WATER RIGHTS
PROGRAM

Katy VanMaanen of said county, first duly sworn, on oath, says: That she is the office clerk of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year prior to the first publication of Exhibit "A," hereto attached and herein mentioned, and was and is printed that the

Legal 589 "Notice of application No 7092-3 to appropriate water"

a printed copy of which, taken from the paper in which the same was published, is hereto attached marked Exhibit said newspaper for _____ 2 times, to-wit:

March 12, 2009

March 19, 2009

said Exhibit "A" inures to the sole benefit for the publishers 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 whomsoever; that the fees charged for the publication thereof are:

Forty three dollars and nine cents \$43.09

Subscribed and sworn to before me this 19th day of

March 2009

Notary Public in and for the County of Brookings, South Dakota.
My Commission expires April 27, 2012

Legal 589, 2x, 3/12/19

NOTICE OF APPLI-
CATION NO. 7092-3 to
Appropriate Water

Notice is given that Melvin Knutson, 21056 479th Ave, White SD 57276 has filed an application for a water permit to appropriate 2.28 cubic feet of water per second from one existing well completed into the Big Sioux:Aurora Aquifer (47 feet deep) located in N 1/2 NW 1/4 Section 17 to irrigate 160 acres located in the NW 1/4 Section 17; all in T110N-R48W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of

Application No. 7092-3 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 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 March 30, 2009.

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

March 5, 2009

Brookings Register
PO Box 177
Brookings SD 57006

ATTENTION: Legal Public Notice

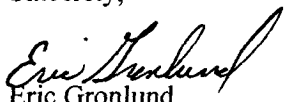
Enclosed is a Notice on Application No. 7092-3 to Appropriate Water to be published twice. Please publish the first notice on March 12, 2009 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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 Melvin Knutson, 21056 479th Ave., White SD 57276 (Ph # 605-693-4566).

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. 7092-3

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

Date _____

We are in receipt of your letter of March 5, 2009 enclosing Notice to Appropriate Water by Application No. 7092-3 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.

March 5, 2009

Melvin Knutson
21056 479th Ave
White SD 57276

Dear Mr. Knutson:

Water Permit Application No. 7092-3 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 Publisher of the Brookings Register printed at Brookings SD (Ph # 605-692-6271). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications 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 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 March 12, 2009 with the second publication 7 days later. 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. 7092-3 to Appropriate Water

Notice is given that Melvin Knutson, 21056 479th Ave, White SD 57276 has filed an application for a water permit to appropriate 2.28 cubic feet of water per second from one existing well completed into the Big Sioux:Aurora Aquifer (47feet deep) located in N ½ NW ¼ Section 17 to irrigate 160 acres located in the NW ¼ Section 17; all in T110N-R48W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7092-3 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 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 March 30, 2009.

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

JUN 12 2009

Melvin Knutson
21056 479th Ave
White SD 57276

Dear Mr. Knutson:

Enclosed is Water Permit No. 7092-3 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

7092-3

RECEIVED

AUG - 3 2009

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 7-29-09

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

FROM:

MELVIN O RUTSON
(name)21056 - 479th ave
(address)WHITE, S.D. 57276 683-4566
(city, state, zip) (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. 7092-3 states that the water use system is to be constructed by

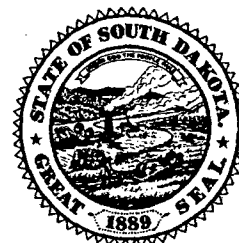
5-15-09, and water is to be put to beneficial use by 7-15-09.
(date) (date)

The water use system was completed on 5-23-09.
(date)

Applying the water to beneficial use was completed on 5-25-09.
(date)

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

Melvin O Rutson
(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 3, 2009

7092-3

Melvin O Knutson
21056 479th Ave
White SD 57276

Dear Mr. Knutson:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your irrigation system.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

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

Permit No. 7092-3
Sioux River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **September 14, 2011**, made a thorough examination of the water use system constructed by **Melvin Knutson, 21056 479th Avenue, White SD 57276** holder of Permit No. **7092-3**, bearing the priority of **January 20, 2009** authorizing the diversion of **2.28 cu. ft. per second** from the **Big Sioux:Aurora Aquifer** for **irrigation** purposes, in **Brookings** County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

One well is in place each with a 60 HP diesel motor powering an Amarillo pump

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

Well head is located approximately 450 feet south of the pivot center.

C. Works used to apply water to beneficial use:

A 7 tower Valley center pivot

The system is in the following condition **excellent**. The point of diversion (well) is **located specifically Well - Lat 44.33777 Lon -96.62257 --- approx. 850' South and 1,330' east of NW corner Section 17, T110N, R48W (NE ¼ NW ¼)** The works are capable of diverting a total of **1.78 cfs from a well** which is to be used for **irrigation**. Water has been put to beneficial use to the maximum extent as follows:

All in Section 17, T110N, R48W

NW ¼ NW ¼	33 acres
NE ¼ NW ¼	32 acres
SW ¼ NW ¼	33 acres
SE ¼ NW ¼	32 acres

This breakdown of acres is a best estimate based on 1) information provided and 2) viewing the 2010 FSA aerial using ArcMap,

comprising a total of **130** acres of land and the license should be issued for **1.78 cfs** based on the capacity of the one well.

Applicable permit qualifications have been complied with: **Yes**

Exceptions to compliance are: **none** Date Report Completed: **December 19, 2011**



Eric Gronlund

Natural Resources Engineer

DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR PERMIT NO. 7092-3

DATE OF INVESTIGATION:	September 14, 2011
NAME & ADDRESS OF PERMIT HOLDER	Melvin Knutson 21056 479th Avenue White SD 57276
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Melvin Knutson
DIVERSION POINT LEGAL LOCATIONS	Well - Lat 44.33777 Lon -96.62257 --- approx. 850' South and 1,330' east of NW corner Section 17, T110N, R48W

WELL INFORMATION:

- 1) Well Drilling Firm: **Grimshaw Drilling**
- 2) No. of Wells 1
- 3) Depth(s) 48
- 4) Well log is available Yes
- 5) Comment: Well drilled in 1981 is used for irrigation. Once authorized by cancelled WR No. 4590-3

Casing:

- 1) Diameter 16 inches
- 2) Length feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length feet
- 3) Static water level 16.5 feet

Pump:

- 1) Make Amarillo
- 2) Model S60A
- 3) Size
- 4) Capacity 800 GPM

Motor:

- 1) Make Perkins Diesel
- 2) Model No. 5791/2400
- 3) Horsepower rating 60 hp

SYSTEM TYPE:

Center pivot:

- 1) Make Valley
- 2) Overall length approx. 1275 feet
- 3) Number of towers 7 tower
- 4) Distance between towers feet
- 5) End gun Yes (approx. 80)
- 6) High or low pressure psi
- 7) Capacity 800 GPM

CHEMIGATION EQUIPMENT: No

PERMIT QUALIFICATIONS:

- 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

COMMENTS:

- Notice of Completion of Works filed in August 2009
- Irrigation questionnaire reflect that irrigation began in 2009
- Contacted Mr. Knutson the night of September 13th. He was leaving on vacation the next morning but gave me permission to go on to the property.
- Unique system in that the system is on a steep slope that is pasture for a segment beginning in the southwest of the quarter and going towards the northeast.. It breaks the irrigated acres up into a low land area, a sloped pasture segment and then high ground crop acreage. There is a fence dividing the low group acres from the pasture area. This fence is constructed with electrified swing gates at the location of the pivot tire path to allow passage.
- This land was originally authorized by now cancelled Water Right No. 4590-3. This water right had two wells associated with it. Not certain if the 1981 well log is for the well authorized by Permit No. 7092-3 or the other well. The other well was not located and I did not research whether it still exists.



Well - Lat 44.33777 Lon -96.62257 --- approx. 850' South and 1,330' east of NW corner Section 17, T110N, R48W



Eric Gronlund

Eric Gronlund
Water Rights Program, DENR
License Inspection - September 14, 2011

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7092-3**

(1) Melvin Knutson, 21056 479th Ave, White SD 57276 made Application No. 7092-3, January 20, 2009 for a water permit to divert 2.28 cubic feet of water per second from ground water (one well – Big Sioux:Aurora Aquifer), Brookings County, South Dakota for irrigation purposes. Permit No. 7092-3, with a priority date of January 20, 2009 was approved March 30, 2009 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 30, 2014 and for the application to beneficial use of said water on or before March 30, 2018. The Permit holder submitted a *"Notice of Completion of Works and Application of Water to Beneficial Use"* on August 3, 2009. The *"Notice"* stated the water use system was completed on May 23, 2009 and the water placed to beneficial use on May 25, 2009.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction 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 850 feet south and 1,330 feet east of the NW corner of Section 17, T110N, R48W (NE ¼ NW 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:

T110N, R48W Section 17	NW ¼ NW ¼	33 acres
	NE ¼ NW ¼	32 acres
	SW ¼ NW ¼	33 acres
	SE ¼ NW ¼	<u>32 acres</u>
	Total	130 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Melvin Knutson, 21056 479th Ave., White SD 57276 the holder and/or owner of Water Right No. 7092-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from ground water (Big Sioux:Aurora Aquifer) with a priority date of January 20, 2009 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. 7092-3 and subject to the following qualifications:

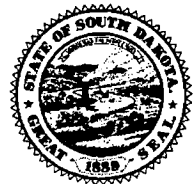
- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Garland Erbele

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

JAN 12 2012

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

JAN 12 2012

7092-3

Melvin Knutson
21056 479th Ave
White SD 57276

Dear Mr. Knutson:

Enclosed is Water License No. 7092-3. 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 the owner of an existing well, such as the well authorized by Water Right No. 7092-3, 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,

A handwritten signature in black ink that reads "Garland Erbele".

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

enclosures

7092-3



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

MAY 27 2021

7092-3
7440-3

Melvin Knutson
21056 479th Ave
White SD 57276

Dear Mr. Knutson:

Enclosed is Incorporated Water License No. 7440-3. 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, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

enclosures

Note: Upon licensing, the applicable portions of Water Right No. 7092-3 were incorporated into No. 7440-3.