

WATER PERMIT NO. 7065-3

Name of Applicant: **James Amdahl**

Address: **14887 453rd Ave, Summit SD 57266**

Phone: **605 398-6451**

Amount of Water Claimed: **3.78 cfs**

Total Acres: **264**

Source of Water Supply: **groundwater (2 wells)**

Water to be used for: **irrigation**

County: **Grant**

Type of Waste Disposal System:

Location: **27 miles west of Milbank**

PRIORITY

Date Received: **9-11-08**

Application/License Fee: **\$350**

Corrected Application Received: **9-15-08**

Period of Annual Use: **April 1 – September 30**

Remarks:

Diversion Point: **SE ¼ SE ¼ and approximate center of SE ¼ Sec 33-T121N-R52W**

Land to be Irrigated: **E ½ Sec 33-T121N-R52W**

Depth of Well: **approximately 175 feet**

Well Driller:

Remarks:

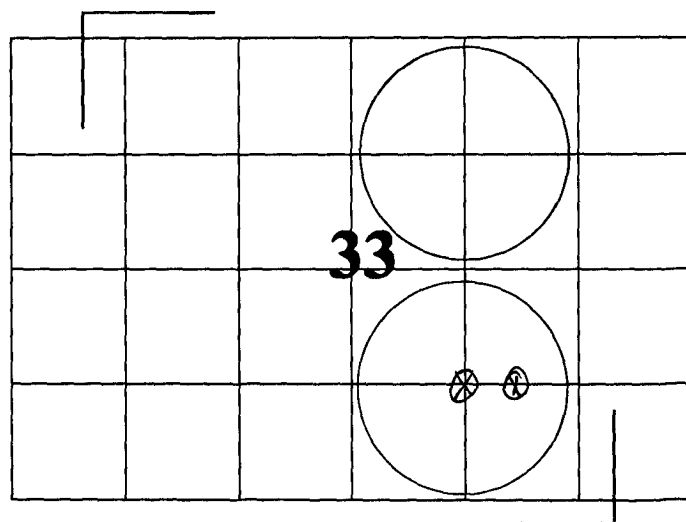
Type of Map: **aerial**

Prepared by: **Joel Foster, Grant C. FSA**

Reviewed and the Number Assigned on: **9-15-08**

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	(office use only)	
	No. <u>7065-3</u>	Hydrologic Unit <u>10170201</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Grant Co. Review: PO Box 390</u> <u>605-432-4516</u> <u>Millbank 57252</u>	

RECEIVED

SEP 11 2008

WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

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

(Use predates Mar 2, 1955)

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

1. Name of Applicant James Amdahl Phone 605-398-6451
(check one) ☒ Owner ☐ Tenant/lessee
- Mailing Address 14997 453rd Ave, Summit State SD 57266
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 3.78 *CFS or 1700 **GPM ***AF Total Acreage 264
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply 2 wells
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Grant
1 well - SE 1/4, SE 1/4 Sec 33 121N-52W
1 well - center of SE 1/4 Sec 33 121N-52W
5. County or counties where water will be used Grant
6. Annual period during which water is to be used April - September 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
SE 1/4 Sec 33 121N-52W	132		
NE 1/4 Sec 33 121N-52W	132		

8. Give a description of the project. (Attach sheet if more space is needed)
Project being developed to irrigate corn, soybeans,
wheat, alfalfa.

STATE OF SOUTH DAKOTA)

County of Grant

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, James Amdahl, 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 James Amdahl

Subscribed and sworn to before me this 10 day of September 20 08

Anthony A. White
Notary Public signature

SOUTH DAKOTA WATER PERMIT NO. 7065-3

Date of first receipt of application September 11, 2008.

Date of return to applicant for corrections, amendments or changes September 11, 2008.

Date of receipt of corrected application September 15, 2008.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7065-3 to James Amdahl, 14997 453rd Ave, Summit SD 57266 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. 7065-3 appropriates 3.78 cubic feet of water per second from two wells to be completed into the Prairie Coteau Aquifer (approximately 175 feet deep) located in SE ¼ SE ¼ and center of the SE ¼ Section 33 to irrigate 264 acres located in the E ½ Section 33; all in T121N-R52W within the former boundaries of the Sisseton Wahpeton Indian Reservation.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – September 30.
3. The date from which applicant may claim right is September 11, 2008.
4. The date of approval of Permit No. 7065-3 is November 17, 2008.
5. One-fifth of the construction is to be completed on or before May 17, 2011.
6. All construction is to be completed on or before November 17, 2013.
7. Water is to be put to beneficial use on or before November 17, 2017.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 7065-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. The wells approved under this Permit may free flow at the land surface and shall be valved and the flow reduced to the amount needed or to a minimum when not being used. If this well is abandoned or the Permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
4. 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

DEC 23 2008

date



Form 2A **Supplemental Information**
(Complete applicable portions only)

(type or print in ink)

See old permit 3342-3
as per Eric Gronlund

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth _____
- 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 _____

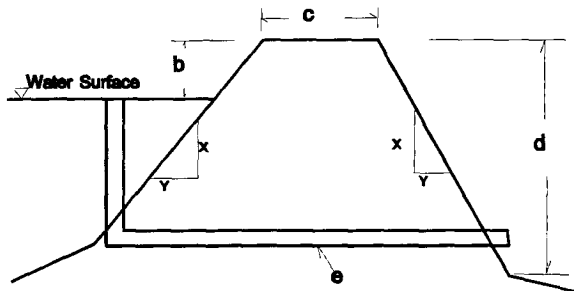
3. Dugout Information

- 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 USDA - Farm Service Agency
SEP 11 2008

Grant, SD

33-121N-52W

1:7,776

April 03, 2008

6/12/08

HAZ
Joel Foster
Grant
County
FSA CED

- Legend**
- Tract Boundaries
 - Section-Township-Range
 - Easements
 - CRP
 - Common Land Units
 - Rangeland

Wetland Determination Identifiers

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



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 9/11/2008

RECEIVED OF AMDAHL FARMS INC 14997 453rd Ave Summit SD 57266

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	325	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. _____	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	375	00

No.

03751

By

[Signature]
Chief Engineer

12/16/2008

PAYMENT REQUEST FORM

PAYEE: James Amdahl
14997 453rd Ave
Summit SD 57266

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Refund on Water Permit # 7065-3

AMOUNT: \$25.00

FUNDING SOURCE:

GENERAL: X

FEDERAL:

COMMENTS:

AUTHORIZATION:

Barbara E. White

DEC 23 2008

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.



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SEP 15 2008

WATER RIGHTS
PROGRAM

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

September 11, 2008

James Amdahl
14997 453rd Ave
Summit SD 57266

Dear Mr. Amdahl:

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

- Enclosed is the aerial photo map submitted with the application. Please outline the acres to be irrigated and mark the proposed well locations with an "X".

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

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

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
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www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7065-3, James Amdahl**

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. 7065-3, James Amdahl, 14997 453rd Avenue, Summit SD 57266.

The Chief Engineer is recommending APPROVAL of Application No. 7065-3 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. The well authorized by Permit No. 7065-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. The well approved under this Permit may free flow at the land surface and shall be valved and the flow reduced to the amount needed or to a minimum when not being used. If this well is abandoned or the Permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
October 22, 2008

REPORT ON WATER PERMIT APPLICATION NO. 7065-3

For James Amdahl

October 16, 2008

Application No. 7065-3 proposes to appropriate 3.78 cfs (1,700 gpm) from two wells approximately 175 feet deep located in the center of the SE $\frac{1}{4}$ and the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of section 33 to irrigate 264 acres located in the E $\frac{1}{2}$ of section 33 all in T121 N R52W in Grant County and within the former boundaries of the Sisseton Wahpeton Indian Reservation.

AQUIFER – PRAIRIE COTEAU (PCO)

The Prairie Coteau is a buried outwash (sand and gravel) that is under artesian conditions in this area. The aquifer is relatively thin and significant drawdown does occur from existing irrigation wells in the area. The aquifer underlies 760 square miles and contains an estimated 1.5 million acre-feet of recoverable water in storage in Grant and Codington County (Hansen, 1990). There are free flowing wells just to the south and west of this site both irrigation and domestic from the Prairie Coteau aquifer. The applicant has drilled holes and site specific geologic information is available. However, this data is not conclusive. It appears that this site should be underlain by the Prairie Coteau aquifer but although one set of logs indicates good potential the other test log does not. A production well was drilled previously in the SE $\frac{1}{4}$ of section 33 that apparently would only produce 450 gpm. No estimate for recharge to the aquifer is available but recharge does occur and is sufficient to maintain water development in the area as shown by the water levels in the observation wells.

The Water Rights Program monitors three observation wells completed into the Prairie Coteau aquifer within two miles of this application. These are GT-77C (located about two miles north of this application), GT-79B (located about two miles east of this application) and GT-79C (located about one mile southwest) all from this proposed site. Water levels for these wells show good response to climatic conditions and to pumping. The amount of annual fluctuation due to pumping can exceed 30 feet in GT-79B, 12 feet in GT-77C, and 6 feet in GT-79C under existing conditions. Overall however, the water levels recover and recharge does occur. In fact, the hydrographs for these three observation wells indicate that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2008). Hydrographs for three observation wells are included with this report.

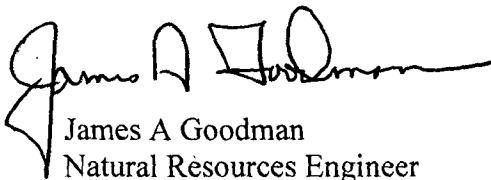
Water development from the Prairie Coteau aquifer in this general area has been highly controversial in the past especially during the late 1970's and early 1980's. There were many domestic wells completed into the Prairie Coteau aquifer that were affected by irrigation pumping. In fact a domestic well located about three miles south was one of the wells most controversial domestic wells in the area. Other than the drawdown created by pumping (also shown by observation well record) the most noticeable affects were on wells that were free flowing and would cease or diminish free flow during the irrigation season. In fact, the Water Management Board denied Water Permit application No. 5407-3 for public interest reasons in July of 1995. That application would have obtained water from the Prairie Coteau aquifer and was located about three miles southeast of this application.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

The nearest existing irrigation wells from the Prairie Coteau aquifer are over two miles from this application. These are Water Right Nos. 5378-3 (1.0 cfs, 70 acres) and 4184-3 (2.67 cfs, 243 acres) and are located approximately two miles south and two miles southeast from this application respectively. There is a closer permitted well, Water Permit No. 7036-3 (2.0 cfs, 130 acres) located about one and one-half miles south of this application. Interference will occur. This is shown by the drawdown created in observation wells surrounding this general area. Even though the magnitude of the drawdown will increase this is not expected to cause adverse effects. This can not be ascertained for certain until production wells are completed and used during an irrigation season. Also all these factors will be dependent upon the aquifer thickness and distance from an existing production well at the actual final locations.

CONCLUSIONS

1. Water is available from the Prairie Coteau aquifer.
2. The aquifer is confined and under artesian conditions at this site. Interference will occur but is not expected to be adverse. Some pumps in domestic wells and irrigation wells may have to be lowered in order to maintain the amount of water needed.
3. This area has been very controversial in the past. Water Permit No. 5407-3 was denied by the Water Management Board (about three miles south of this application) for public interest reasons. The controversy concerned the amount of drawdown that occurred during the irrigation season and the fact that some free flowing wells ceased or diminished in flow.
4. The well(s) authorized by this application must be constructed in accordance with SD Well Construction Standards.
5. Wells at these sites may free flow at the land surface especially during wet years. Any well constructed must be controlled to prevent the waste of water.
6. A permit was issued for these same lands in the past and was subsequently cancelled for failure to construct. Apparently a production well was drilled in this general vicinity which did not produce sufficient water. The data supplied with the application does not clear up this question. The applicant will need to properly drill and test the aquifer in this area to determine the best site for potential development or whether there is sufficient irrigation potential or not.



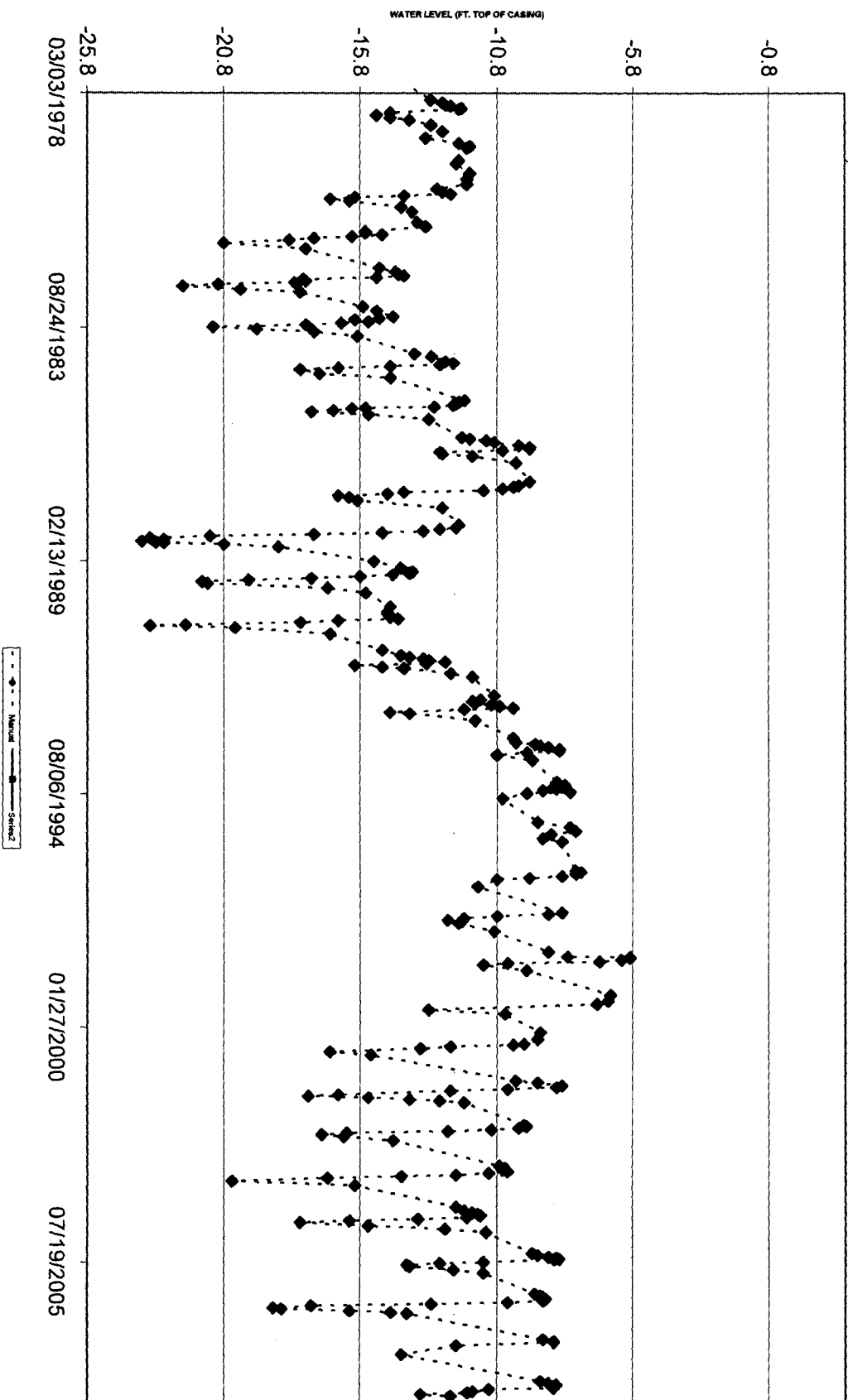
James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

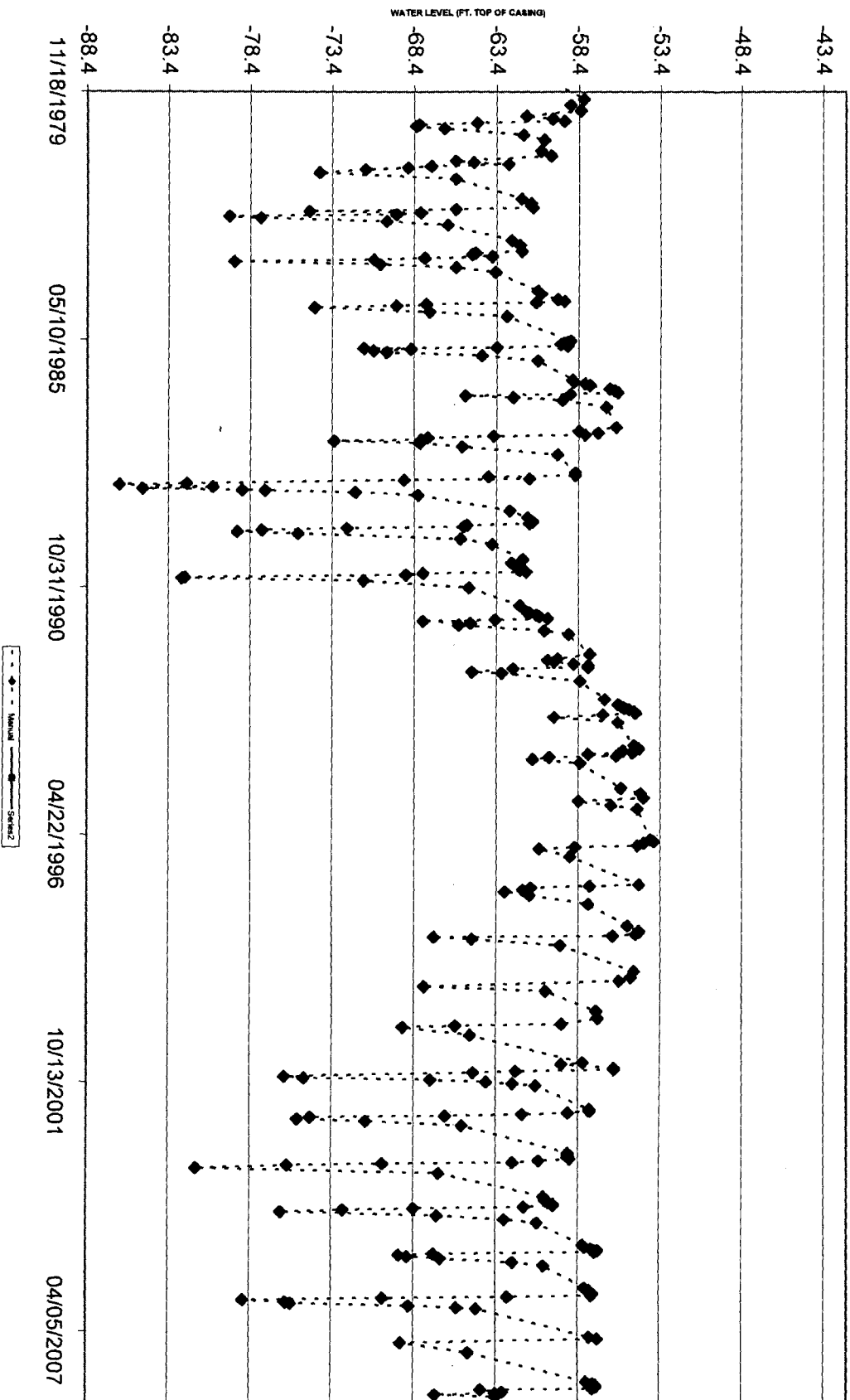
Hansen, D. S., 1990, Water Resources of Codington and Grant Counties, South Dakota, Water Resources Investigations Report 89-4147, USGS, Huron, SD, 57350.

Water Rights, 2008, Unpublished Observation Well Data for Codington and Grant Counties, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

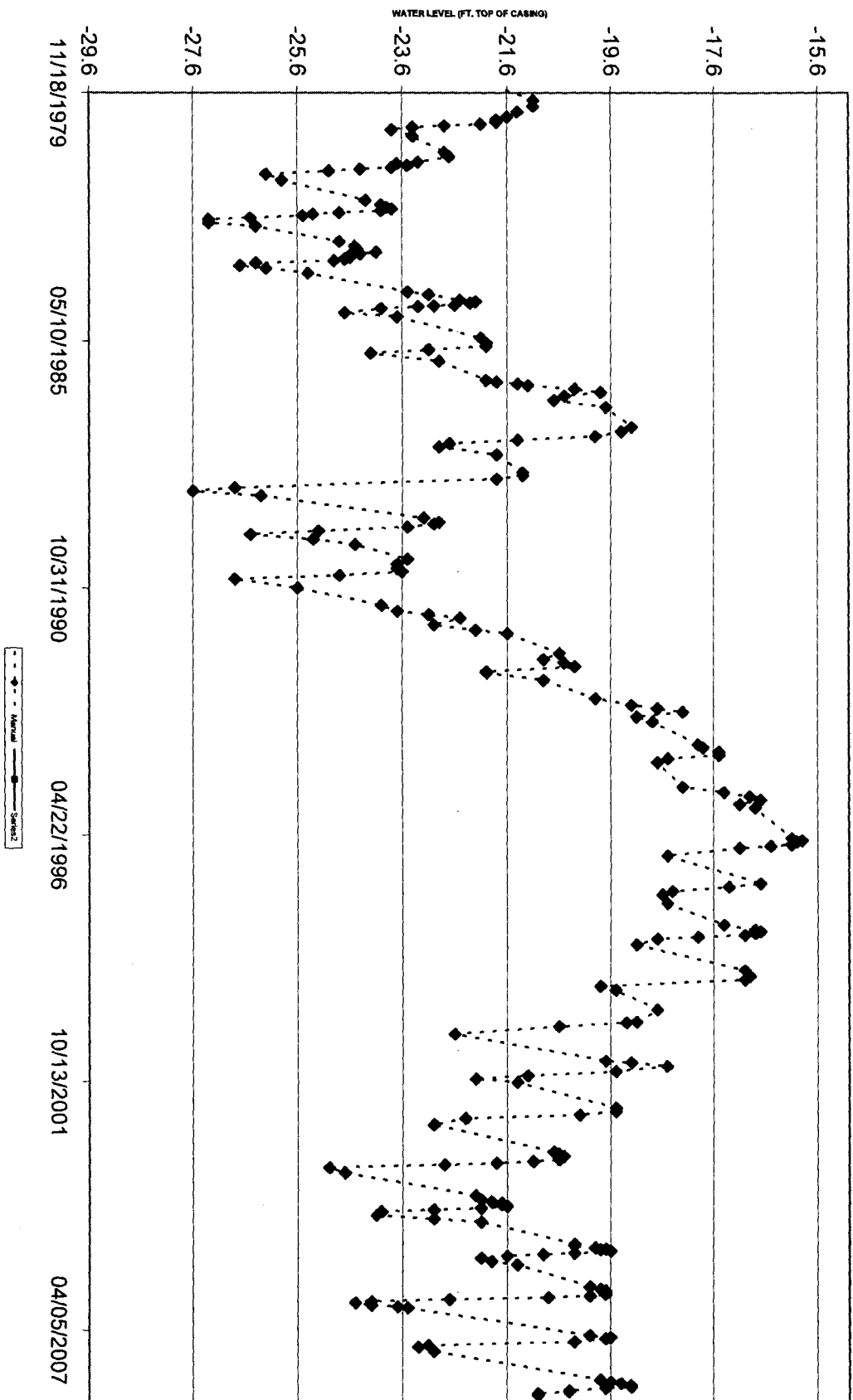
WATER RIGHTS' OBSERVATION WELL
GT-77C



**WATER RIGHTS' OBSERVATION WELL
GT-79B**



WATER RIGHTS' OBSERVATION WELL GT-79C



Printer's Affidavit of Publication

RECEIVED

STATE OF SOUTH DAKOTA
COUNTY OF GRANT

} ss.

NOV - 7 2008

WATER RIGHTS
PROGRAM

Holli Seehafer

of said County and State, being first duly sworn, on oath says that the Grant County Review is a legal weekly newspaper of general circulation, printed and published in Milbank, in said County of Grant and State of South Dakota, by Phyllis Justice, and has been such newspaper during the times hereinafter mentioned; that said newspaper is a legal newspaper; and that it has a bona fide circulation of more than two hundred copies weekly, and has been published within said County of Grant in the English language and has been admitted to the United States mail under second class mailing privilege, for at least one year next prior to the publication of the Notice herein mentioned, and has been printed wholly in an office maintained at the said place of publication, that I, the undersigned, Advertising Manager of said newspaper, in charge of the advertising department thereof, have personal knowledge of all the facts stated in this affidavit; that the advertisement headed Notice of

Application No. 7065-3 to Appropriate Water

a printed copy of which, taken from the paper in which the same was published, is attached to this sheet and is made a part of this Affidavit, was published in said newspaper at least once each week for two successive weeks, on the day of each week on which the said newspaper was regularly published, to-wit:

<u>October 29 20 08</u>	<u>20</u>
<u>November 5 20 08</u>	<u>20</u>
<u>20</u>	<u>20</u>

That \$ 43.63, being the full amount of the fee charged for the publication of said Notice, inures to the benefit of the publisher of the Grant County Review; that no agreement or understanding for the division thereof has been made with any person, and that no part has been agreed to be paid to any person whomsoever.

Holli Seehafer

Subscribed and sworn before me this 5th day of Nov 20 08

Debra L. Hemmer

Notary Public, Grant County, South Dakota

Notary Public, Grant County, S. DAK.
My Commission Expires OCT 27, 2009

NOTICE OF APPLICATION NO.

7065-3 to Appropriate Water

Notice is given that James Am-dahl, 14997 453rd Ave, Summit SD 57266 has filed an application for a water permit to appropriate 3.78 cubic feet of water per second from two wells to be completed into the Prairie Coteau Aquifer (approximately 175 feet deep) located in SE1/4SE1/4, and center of the SE1/4 Section 33 to irrigate 264 acres located in the E1/2 Section 33; all in T121N-R52W within the former boundaries of the Sisseton Wahpeton Indian Reservation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7065-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a benefit to the public interest, 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 November 17, 2008.

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.

Oct. 29

Nov. 5

Publication Fee \$ 43.63

Notarial Fee \$

Total \$ 43.63



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 22, 2008

Grant County Review
PO Box 390
Milbank SD 57252

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7065-3 to Appropriate Water to be published twice. Please publish the first notice on October 29, 2008 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 James Amdahl, 14997 453rd Ave., Summit SD 57266 (Ph # 605-398-6451).

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. 7065-3

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

Date _____

We are in receipt of your letter of October 22, 2008 enclosing Notice to Appropriate Water by Application No. 7065-3 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

October 22, 2008

James Amdahl
14997 453rd Ave
Summit SD 57266

Dear Mr. Amdahl:

Water Permit Application No. 7065-3 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 Grant County Review printed at Milbank SD (Ph # 605-432-4516). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application 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.

Instruction to Newspaper - Publish first Notice on October 29, 2008 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 7065-3 to Appropriate Water

Notice is given that James Amdahl, 14997 453rd Ave, Summit SD 57266 has filed an application for a water permit to appropriate 3.78 cubic feet of water per second from two wells to be completed into the Prairie Coteau Aquifer (approximately 175 feet deep) located in SE ¼ SE ¼, and center of the SE ¼ Section 33 to irrigate 264 acres located in the E ½ Section 33; all in T121N-R52W within the former boundaries of the Sisseton Wahpeton Indian Reservation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7065-3 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 November 17, 2008.

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

ES 2 3 1998

James Amdahl
14997 453rd Ave
Summit SD 57266

Dear Mr. Amdahl:

Enclosed is Water Permit No. 7065-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

This application was submitted with a \$375.00 fee. The correct fee is \$350.00. Therefore, \$25.00 will be refunded to you. The refund check should be received within the next couple of weeks.

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

SOUTH KOTA WATER WELL COMPLETION REPORT

7065-3 0

Location NW 1/4 SW 1/4 Sec 33 Twp 121 N Rg 52 W

County

GRANT

North

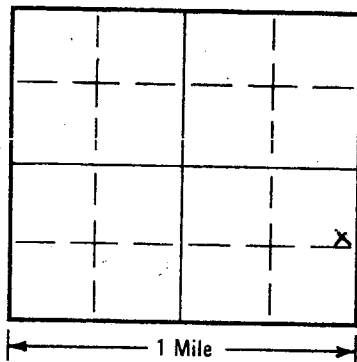
Please mark well location with an "X"

W

E

Well Completion Date

5/14/10



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from NONE (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
200 LB/FT	12" IN	0 FT	46 FT	18 1/2 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Wyo-Ben	9	10 lb./gal	0 ft	30 ft
one-step		_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure Full hole grouting
from 10' to 41'SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12" IN Length 20' FEETMaterial DUC Ever-FloSlot Size 070 Set From 41 Feet to 61 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

_____, YES, How: _____

Laboratory sent to for water quality analysis

☒ NO, Why Not?Non PotableWell Owner: Jim Andahl

Business Name: _____

Address: 14997 453rd Ave
Summit, S.D.

WELL LOG:

DEPTH

FORMATION

FROM

TO

top soil sandy01yellow gravel1401" rock very coarse40501" rock very coarse5061STATIC WATER LEVEL 10' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ PumpedDescribe: Air line☐ Bailed☒ Other

Pumping Level Below Land Surface

30 ft. After 1 Hrs. pumped 600 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 550 GPM

REMARKS

RECEIVED

FEB - 2 2011

WATER RIGHTS PROGRAM

This well was drilled under license # 480

And this report is true and accurate.

Drilling firm Wieber Well Drilling

Signature of License Representative:

Jerry White

Signature of Well Owner or Equitable Property Holder:

Date: 12/30/10

Pitless Unit and Pump Record

1. Well Owner:

Name Jim Amdahl Date of Installation: 7/1/10
Address 14997 453rd Ave, Summit, S.D.

2. Location:

County Grant
SE 1/4, NW 1/4, SE 1/4 Section 33, Township 121, N., Range 52 West

3. Well Head Completion:

Pitless Unit brand name none, diameter _____ in., type of joint _____
depth of joint _____, inches above grade _____, other _____

4. Pump:

Type: submersible X, jet _____, cylinder _____, turbine _____, other _____
Manufacturer's name Franklin
Model No. 550 STB HP 40 Volts 460 3 PH.
Pump setting (depth), 42', pumping rate 550 gpm.
Is well vented? yes X no _____ Is there a measuring port? yes X no _____

5. Pressure tank (if installed) Yes _____ No X

Manufacturer's name _____ Model No. _____ Capacity _____ gallons.
above ground _____, below ground _____
Pressure rating of pipe between well and tank _____

6. Was well and other plumbing disinfected upon completion? Yes _____ No X

Installers Certification

This installation was installed under my jurisdiction and
this report is true to the best of my knowledge.

Wieber Well Drilling
INSTALLER OR FIRM NAME

Lidgerwood, N. D. 58053
ADDRESS

Jerry Wieber
SIGNED BY

RECEIVED

FEB - 2 2011

WATER RIGHTS
PROGRAM

480
CERTIFICATE NO.

12/30/10
DATE

Pitless Unit and Pump Record

1. Well Owner:

Name Jim Amidahl Date of Installation: 7/2/10
Address 14997 453rd Ave, Summit, SD.

2. Location:

County Grant
SW 1/4, NE 1/4, SE 1/4 Section 33, Township 121, N., Range 52 West

3. Well Head Completion:

Pitless Unit brand name NONE, diameter X in., type of joint _____
depth of joint _____, inches above grade X, other _____

4. Pump:

Type: submersible X, jet _____, cylinder _____, turbine _____, other _____
Manufacturer's name Franklin
Model No. 225 ST8 HP 20 Volts 460 3 PH
Pump setting (depth), 138', pumping rate 225 gpm.
Is well vented? yes X no _____ Is there a measuring port? yes X no _____

5. Pressure tank (if installed) Yes _____ No X

Manufacturer's name _____ Model No. _____ Capacity _____ gallons.
above ground _____, below ground _____
Pressure rating of pipe between well and tank _____

6. Was well and other plumbing disinfected upon completion? Yes _____ No X

Installers Certification

This installation was installed under my jurisdiction and
this report is true to the best of my knowledge.

Wieber Well Drilling
INSTALLER OR FIRM NAME

Lidgerwood, N.D. 58053
ADDRESS

Jerry Wieber
SIGNED BY

RECEIVED

FEB - 2 2011

WATER RIGHTS
PROGRAM

480
CERTIFICATE NO.

12/30/10
DATE



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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



October 31, 2014

7065-3
7257-3

James Amdahl
14962 453rd Ave
Summit SD 57266 5106

Dear Mr. Amdahl:

Enclosed is a "Notice" dated October 17, 2014 concerning the 2014 irrigation questionnaires.

The notice was originally mailed to 14997 453rd Ave, Summit SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

enclosures

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7257-3 and 7065-3

I have this day, July 27, 2021, made a thorough examination of the water use system constructed by James Amdahl, 14962 453rd Ave, Summit, SD 57266 of Permit No. 7257-3, bearing the priority of June 10, 2011, authorizing the diversion of 3.00 cu. ft. per second of the waters of the Big Sioux North Aquifer and Water Permit No. 7065-3, bearing a priority date of September 11, 2008 authorizing the diversion of 3.78 cfs from the Prairie Coteau Aquifer for irrigation purposes, in Grant County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Wieber Well Drilling (3 shallow wells) and Empire Drilling (old deep well)
- 2) No. of Wells 4 (1 deep & 3 shallow)
- 3) Depth(s) 170 & 48-78 feet
- 4) Well log is available Y

Casing: (Shallow wells)

- 1) Diameter 12 inches
- 2) Length 20 feet
- 3) Type Plastic

Screen:

- 1) Type PVC – Ever-flo
- 2) Length 20 feet
- 3) Static water level 10-16 feet

Pump:

- 1) Make Franklin
- 2) Model (two wells in SE ¼) 550ST8 and 225ST8
- 3) Capacity 775 GPM (Well #1 & 2 combined supply SE pivot)

According to pump record supplied by Wieber Well Drilling, the pump setting for Well #1 is 138' with a pumping rate of 225 gpm; the pump setting for Well #2 is 42' pumping at a rate of 550 gpm.

- 4) Capacity 775 GPM (Well #3 (225 gpm) & #4 (550 gpm) combined supply NE pivot)

Motors:

- 1) Horsepower rating 20-40 hp

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

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Valley (2)
- 2) Overall length 1320 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 775 (SE ¼) & 775 (NE ¼) GPM

Chemigation Equipment:

- 1) Does chemigate N

D. Compliance with Permit Requirements:

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

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: From the SE corner Sec 33 T121N R 52W; WELL #1: 1475 ft N & 1320 ft W, Lat 45.21386 Long -97.16950 (NE ¼ SE ¼ Sec 33) WELL #2: 1450 ft N & 135 ft W, Lat 45.21389 Long -97.16500 (NE ¼ SE ¼ Sec 33) WELL #3: 2735 ft N & 30 ft W, Lat 45.21741 Long -97.16491 (SE ¼ NE ¼ Sec 33) WELL #4: 4395 ft N & 40 ft W, Lat 45.22198 Long -97.16487 (NE ¼ NE ¼ Sec 33).

2. The works are capable of diverting and conveying to the place of use 3.45 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:

NE ¼ Section 33, T121N, R52W (128 acres)

SE ¼ Section 33, T121N, R52W (128 acres)

Total 256 acres

The pivots are operated as two separate systems with two wells used for each pivot. The NE ¼ is irrigated with 2 shallow wells (#'s 3 & 4); The SE ¼ is irrigated using one shallow well and one deep well (#'s 1 & 2)

3. All structures, wells and lands on map Y

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

The irrigated acreage was determined using FSA maps and the ArcMAP software.

Additional permit details can be found in Permit 7065-3 materials. This permit provides for additional wells to be constructed over and above those authorized in Permit 7065-3.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: August 12, 2021

Water Licenses will be issued as follows:

7257A-3 for NE ¼ Section 33, T121N, R52W – 1.73 cfs (775 gpm) Well Nos. 3 & 4

7257B-3 for SE ¼ Section 33, T121N, R52W – 1.73 cfs (775 gpm) Well Nos. 1 & 2

Upon licensing, the applicable portions of Water Permit No. 7065-3 will be incorporated into 7257B-3.

Genny McMath



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

7257A-3
7257B-3
7257-3
7065-3

OCT 20 2022

James Amdahl
14962 453rd Ave
Summit SD 57266

Dear Mr. Amdahl:

Enclosed are Water License Nos. 7257A-3 and 7257B-3. These are the final water right documents completing your process of obtaining Water Rights. Included with each 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: Water Permit No. 7257-3 was divided into A & B to reflect the systems as operated. The applicable portions of Water Permit No. 7065-3 were incorporated into No. 7257B-3.