

WATER PERMIT NO. 6481-3

Name of Applicant: Gary Althoff

Address: 44908 136th St, Waubay SD 57273

Phone: 605 947-4627

Amount of Water Claimed: 2.0

Total Acres: 140

Source of Water Supply: groundwater (two wells)

Water to be used for: irrigation

County: Day

Type of Waste Disposal System:

Location: 5 miles northeast of Waubay

PRIORITY Date Received: 12-3-04

Application/License Fee: \$300

Corrected Application Received: 3-15-04

Period of Annual Use: May 1 – September 30

Remarks:

Diversion Point: NE ¼ SE ¼ Sec 24-T123N-R53W

Land to be Irrigated: SE ¼ Sec 24-T123N-R53W

Depth of Well: 47 feet deep

Well Driller:

Remarks:

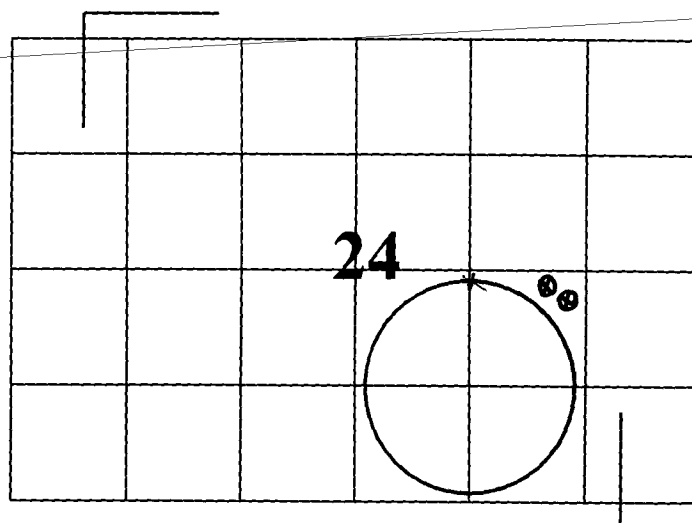
Type of Map: aerial

Prepared by: Sharon Rolstad, FSA

Reviewed and the Number Assigned on: 3-15-04

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>6481-3</u>	(office use only) Hydrologic Unit <u>10160010</u>
	Basin <u>James River</u>	
	Newspaper <u>Reporter + Farmer, Webster</u>	

RECEIVED
DEC - 3 2003
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: X 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 Gary Althoff Phone 605-947-4627
(check one) X Owner Tenant/lessee
- Mailing Address 44908 136th St Waubay State S.D. 57273
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 3.34 *CFS or 1200 **GPM 1580 ***AF Total Acreage 140
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable
3. Source of water supply Well water I have wells accross the road in Roberts Co.
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 3 wells in NE 1/4 of SE 1/4 of Sec 24 Township 123 N R 53
County Day
5. County or counties where water will be used Day & Roberts
6. Annual period during which water is to be used May 1st to 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
SW 1/4 of SE 1/4 Sec 24	35	all in	
SE 1/4 of SE 1/4 Sec 24	35	T123N, R53W	
NE 1/4 of SE 1/4 Sec 24	35		
NW 1/4 of SE 1/4 Sec 24	35		

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

STATE OF SOUTH DAKOTA) SS

County of Day

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, Gary Althoff, 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 Gary Althoff

Subscribed and sworn to before me this 02 day of December 20 03

Paula Warkenthein

Notary Public signature

Comm Expires 6-12-04

**SOUTH DAKOTA
WATER PERMIT NO. 6481-3**

Date of first receipt of application December 3, 2003.

Date of return to applicant for corrections, amendments or changes December 4, 2003.

Date of receipt of corrected application March 15, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6481-3 to Gary Althoff, 44908 136th St, Waubay SD 57273 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. 6481-3 appropriates 3.34 cubic feet of water per second (cfs) from three wells (Coteau Lake Aquifer) 47 feet deep located in the N ½ SE ¼ Section 24 to irrigate 140 acres located in the SE ¼ Section 24; all in T123N-R53W. Water from the wells will also be pumped to supplement irrigation authorized by Water Right No. 5567-3. Water Right No. 5567-3 appropriates 1.44 cfs from two wells located in the NW ¼ SW ¼ of Section 19 to irrigate 236 acres located in the W ½ and W ½ SE ¼ of Section 19-T123N-R52W.
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 March 15, 2004.
4. The date of approval of Permit No. 6481-3 is May 13, 2004.
5. One-fifth of the construction is to be completed on or before November 13, 2006.
6. All construction is to be completed on or before May 13, 2009.
7. Water is to be put to beneficial use on or before May 13, 2013.
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. 6481-3 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) from the producing formation to the surface pursuant to Section 74:02:04:28.
3. 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 30 2004

date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 24" Depth 47'
- b) Casing Type Steel Diameter 16" Thickness _____
- c) Screen Type S Steel Diameter 16" Thickness _____
- d) Gravel Pack 8" Length of Gravel Pack 23'
- e) Depth to Top of Water Bearing Material 24'
- f) Depth to Water (ground surface to water level) 24'
- g) Distance to nearest existing domestic well: have Irr. wells in Robertson Co. NW 1/4 of SW 1/4 Sec 19 Alto township
On applicants property 2000 Ft. On property owned by others 3500 Ft

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 _____

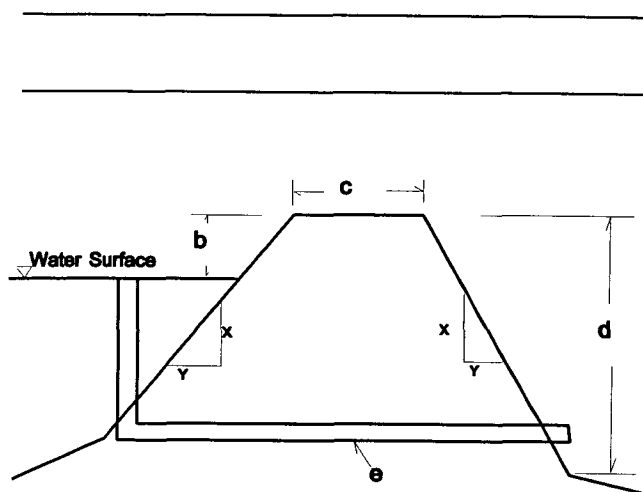
3. Dugout Information

- 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 December 4, 2003

RECEIVED OF Gary Althoff, RR 1 Box 134A, Waubay SD 57273

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

Fee for Application for Permit No. <u>10481-3</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>10481-3</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.

000310

By

Darland Eide

Chief Engineer

gm

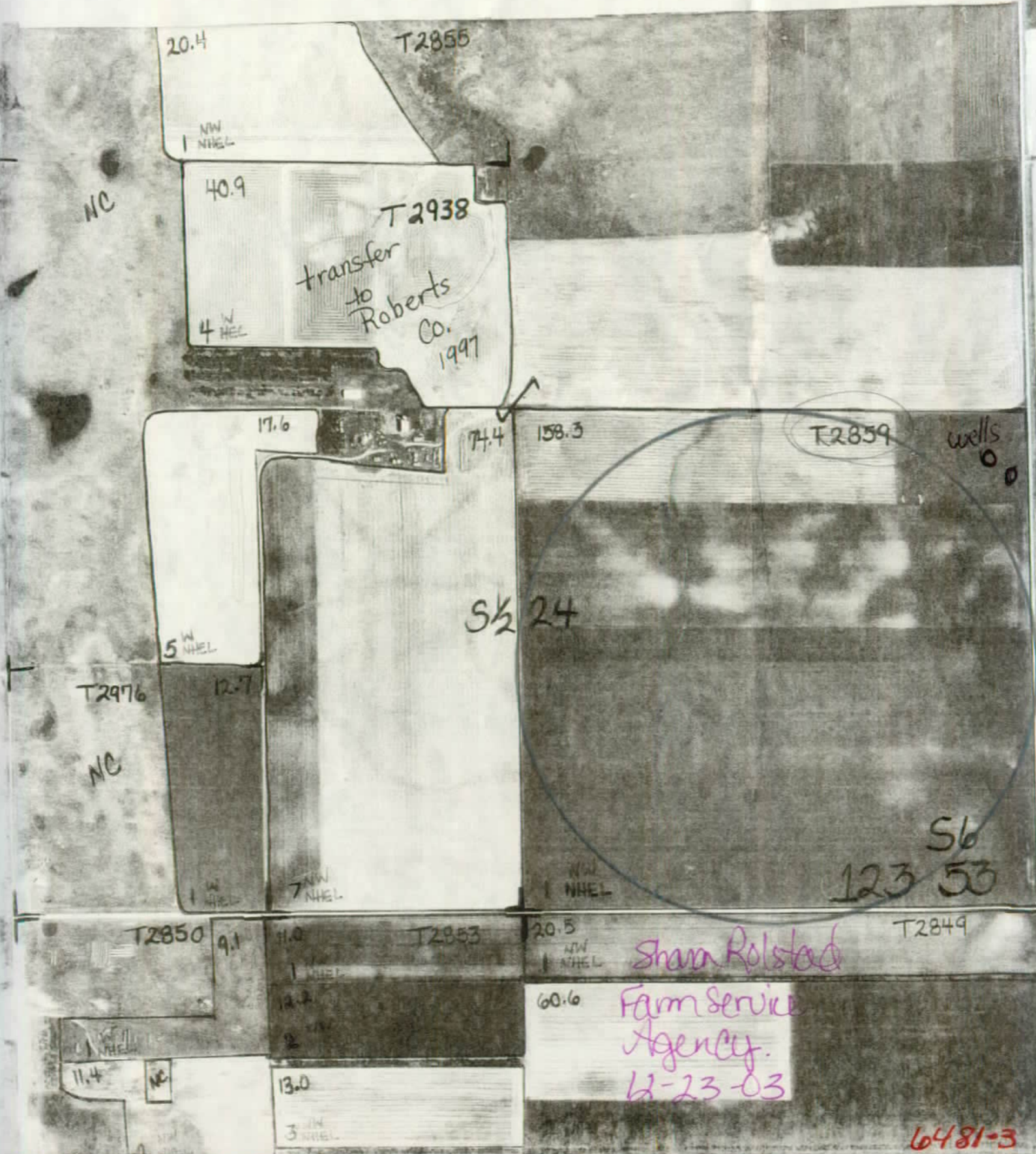
RECEIVED

JAN 02 2004

WATER RIGHTS
PROGRAM

MAP NOT TO SCALE

THIS IS NOT AN OFFICIAL WETLAND MAP.



NOT TO SCALE

T-199

123-52
T-39

40.0

30.1

E-1

N. Y. F. L. L. L.
(Carved in sand)

H. L. L.

Map D. R. L.
NATURAL RESOURCES ENGINEER II
WATER RIGHTS DIVISION
9/7/90

31.1
③

31.1
③

Julia Hayes

56.6
③

56.6

19

30.1
H. L. L.

30.1

Large ditch
40 ac
Well

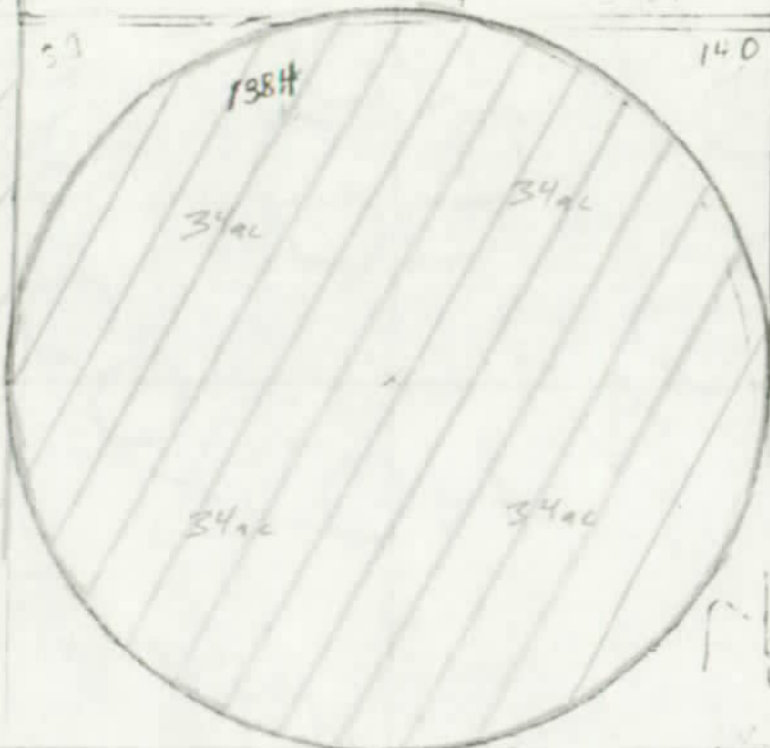
30.1

20.0
H. L. L.

20.0



30.1



14.0

T-30.1

Charles

Hayes

123-52
T-5485

5567-3



**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 4, 2004

Gary Althoff
44908 136th St
Waubay SD 57273

Dear Mr. Althoff:

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

Please submit a map showing the location of the wells and outline the acreage you intend to irrigate. 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. aerial photo map from local NRCS office).

Item No. 2 of the application indicates the amount of water claimed to be 1200 gallons per minute (gpm). State Statutes limit diversions to 1 cubic feet of water per second (cfs) for each 70 acres irrigated. This would mean that you are allowed approximately 900 gpm minute for the 140 acres to be irrigated. Please justify in writing your request for a diversion rate greater than the statutory limit.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352



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January 2, 2004

Gary Althoff
44908 136th St
Waubay SD 57273

Dear Mr. Althoff:

Thank you for submitting the requested aerial photo map to go with your *Application for a Permit to Appropriate Water* for irrigation. As stated in our December 4th letter, please clarify Item No. 2 of the application.

Item No. 2 indicates the amount of water claimed to be 1200 gallons per minute (gpm). State Statutes limit diversions to 1 cubic feet of water per second (cfs) for each 70 acres irrigated. This would mean that you are allowed approximately 900 gpm minute for the 140 acres to be irrigated. Please justify in writing your request for a diversion rate greater than the statutory limit.

Upon receipt of this justification, we will continue processing your application. If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352



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www.state.sd.us/denr

March 8, 2004

Gary Althoff
44908 136th St
Waubay SD 57273

Dear Mr. Althoff:

On December 4, 2003, you submitted an Application for Permit to Appropriate Water Within the State of South Dakota for irrigation of the SE ¼ Section 24-T123N-R53W.

This letter is a reminder that in order to complete the application, justification is necessary for your request of a diversion rate greater than the statutory limit. Enclosed is a copy of the December 4th letter. The map was submitted on January 2, 2004.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
Phone: (605) 773-3352

enclosures

Water Rights Program - File Documentation

NAME: Gary Althoff

ADDRESS: 44908 136th St, Waubay SD 57273

DATE: 3-15-04 **COUNTY:** Day **TELEPHONE:** 605 947-4627

RE: pending application

COMMENTS:

Gary Althoff called and stated he would like to amend his application to 900 gallons per minute (the statutory limit) from the two wells.


Karen Schlaak
Environmental Scientist



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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www.state.sd.us/denr

April 8, 2004

Gary Althoff
44908 136th Street
Waubay, SD 57273

Dear Mr. Althoff:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21 you are authorized to construct a test well for irrigation. The well will be located in the SE ¼ of section 24, T123N R53W in Day County and completed into the Coteau Lakes aquifer. The well will be approximately 50 feet in depth and needs to adequately spaced from the existing irrigation wells located to the east. You indicated you would be moving the location of the new well another 700 feet to the west from the proposed site in the application (water permit application No. 6481-3). This well must be drilled in accordance with SD Well Construction Standards. Any wells or test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

A South Dakota Water Permit must be obtained before water from this well can be used for irrigation. Approval of this test well does not assure issuance of a water permit. Following review of a Water Permit Application; and assessing the availability of water, the potential impacts to existing users, the beneficial use, and the public interest of a permit, the Chief Engineer will make a recommendation to the Water Management Board regarding the application. The recommendation to approve, deny or defer the application will be publicly noticed and an opportunity afforded for the public to intervene. A public hearing may be required to consider the water permit application.

Sincerely,

James A Goodman, PE
Natural Resources Engineer
For Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Water Permit Application No. 6481-3, Gary Althoff

ADDRESS: COUNTY: Day

DATE: April 23, 2004 TELEPHONE: 947 - 4627

RE: Amendment of application

COMMENTS:

Mr. Althoff called and asked that his application be amended to be for three wells and a total appropriation of 3.34 cfs. His intention is to appropriate 3.34 cubic feet of water per second (cfs) from three wells (Coteau Lake Aquifer) 47 feet deep located in the N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24 to irrigate 140 acres located in the SE $\frac{1}{4}$ Section 24; all in T123N-R53W. Water from the wells will also be pumped to supplement irrigation authorized by Water Right No. 5567-3. Water Right No. 5567-3 appropriates 1.44 cfs from two wells located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 19 to irrigate 236 acres located in the W $\frac{1}{2}$ and W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 19, T123N, R52W.

~~I checked with Jim Goodman and he did not have any problem with us making this change.~~

Faxed a new notice to the Webster Reporter & Farmer.

NAME: 

REPORT ON WATER PERMIT NO. 6481-3

For Gary Althoff

March 29, 2004

Application No. 6481-3 proposes to appropriate 3.34 cubic feet of water per second (cfs) from three wells (Coteau Lake Aquifer) 47 feet deep located in the N ½ SE ¼ Section 24 to irrigate 140 acres located in the SE ¼ Section 24; all in T123N-R53W in Day County. Water from the wells will also be pumped to supplement irrigation authorized by Water Right No. 5567-3.

AQUIFER – COTEAU LAKES (COL)

The Coteau Lakes is a surficial outwash (sand and gravel) aquifer that is under water table conditions in this area. The aquifer underlies 58,200 acres and contains at least an estimated 130,910 acre-feet of recoverable water in storage (Hedges, 1982). Ground water movement is probably from east to west across this area. The aquifer extends into Roberts County to the east and is hydraulically connected to many lakes on the Coteau (Thompson, 2001).

No test wells were drilled for this application but the existing irrigation wells are only 400 to 500 feet southeast of the sites for this application. Test well logs in the vicinity of the irrigation wells indicate the sand and gravel extends to a depth of about 44 to 47 feet in depth.

The Water Rights Program monitors three observation wells completed into the Coteau Lakes aquifer and located within a four mile radius of this application. Two of these wells are RB-81C (located about one-half mile north of this application) and RB-77R (located about three miles south of this application). Water levels for these wells show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2004). Hydrographs for observation wells RB-81C and RB-77R are included with this report.

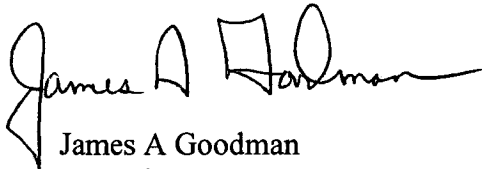
REVIEW OF EXISTING WATER PERMITS/RIGHTS

Water Right No. 5567-3 (two wells, 1.44 cfs, irrigation of 236 acres) is located immediately across the road from this application. The proposed wells for this application would be about 400 to 500 feet northwest of this existing water right. Drawdown created by pumping will extend from these proposed wells to the existing wells. Without some testing it is not possible to determine the potential effects of this proposed diversion. The applicant should drill test wells and attempt to evaluate another site located at least 1,320 feet away. The existing right is also held by the applicant so in a sense this would be a problem the applicant could manage.

CONCLUSIONS

1. Water is available from the Coteau Lakes aquifer.

2. The aquifer is under water table conditions in this area. Drawdown created by pumping is not expected to be significant, however, these proposed wells will be very near existing wells. Interference may be a concern. The applicant should drill test wells and further evaluate the aquifer for the specific purpose of increasing the distance between well fields. If possible a spacing of 1,320 feet should be maintained.
3. The wells drilled for this application must be completed in accordance with SD Well Construction Standards.
4. The existing water right No. 5567-3 and this application are held by the same person. In a sense, the well spacing is the applicant's problem, and can be worked through trial and error on his part. However, a little upfront testing could alleviate potential problems.



James A Goodman
Natural Resources Engineer

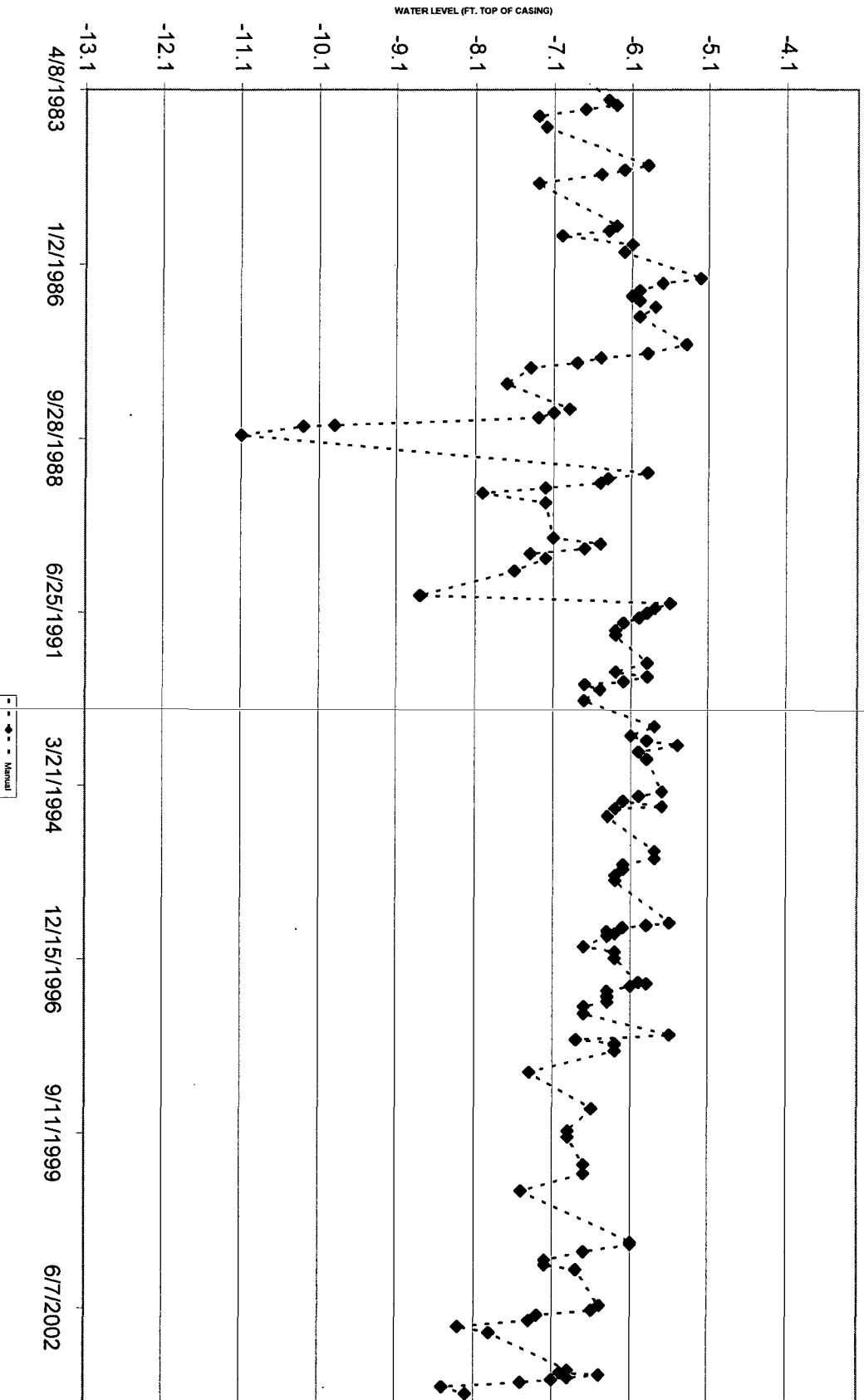
BIBLIOGRAPHY

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 DENR, SDGS, Vermillion, SD, 57069.

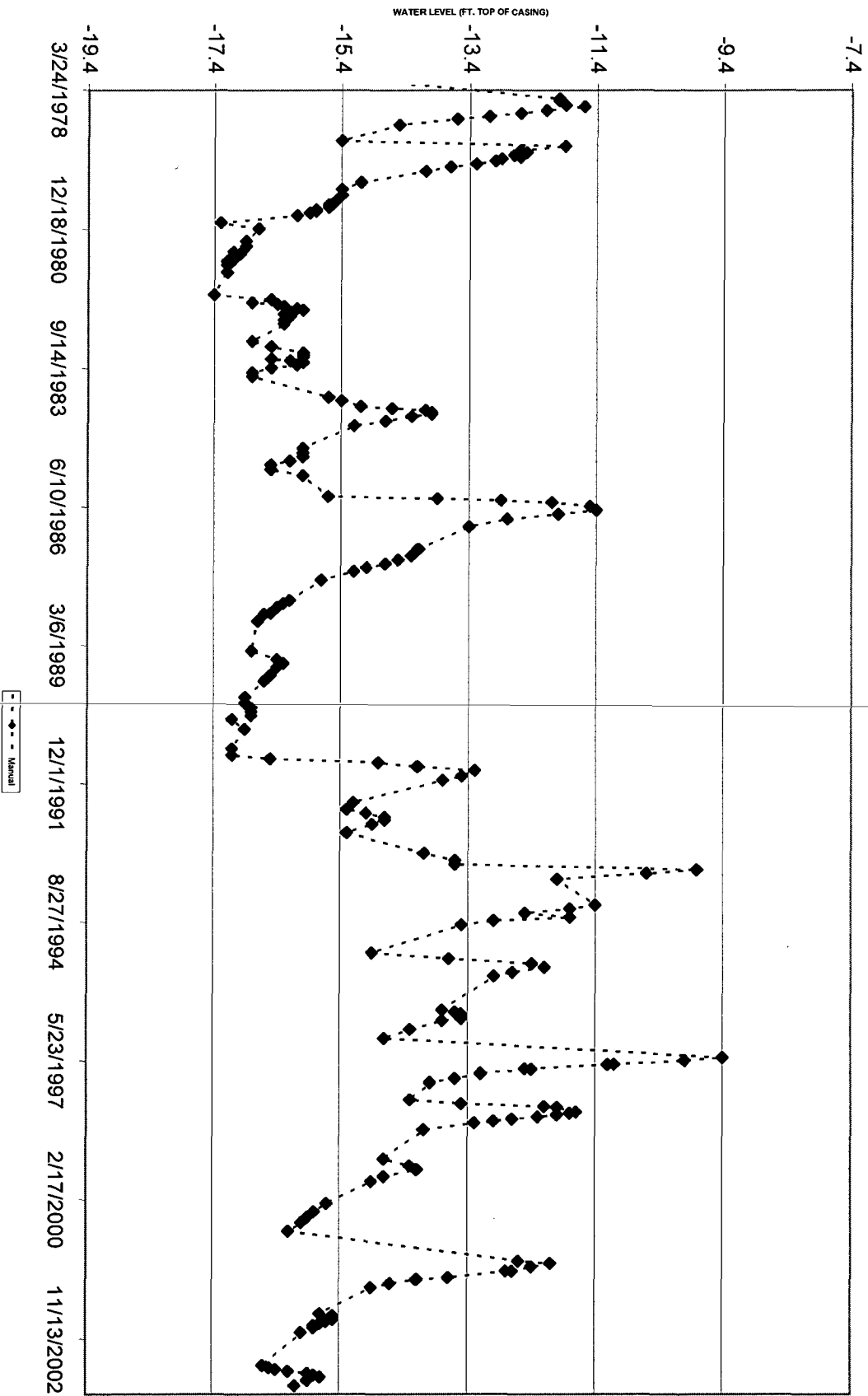
Thompson, R.F., 2001, Water Resources of the Lake Traverse Reservation, South and North Dakota, and Roberts County, South Dakota, WRI 01-4219, USGS, Rapid City, SD, 57702.

Water Rights, 2004, Unpublished Observation Well Data for Roberts and Day Counties, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
RB-81C



WATER RIGHTS' OBSERVATION WELL RB-77R





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6481-3, Gary Althoff**

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. 6481-3, Gary Althoff, 44908 136th Street, Waubay SD 57273.

The Chief Engineer is recommending APPROVAL of Application No. 6481-3 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 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. 6481-3 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) from the producing formation to the surface pursuant to Section 74:02:04:28.
3. 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
April 15, 2004

NOTE: The well sites proposed by this application are in close proximity to existing wells authorized by your Water Right No. 5567-3. Mr. Goodman in his report suggests that you drill test wells to further evaluate the aquifer for the purpose of increasing the distance between wells. A spacing of 1320 feet is desirable.

AFFIDAVIT OF PUBLICATION

County of Day
State of South Dakota, } ss.

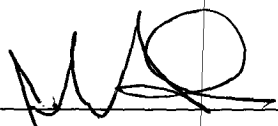
OK

John Suhr, of said county and state being duly sworn on oath, says: That the Reporter & Farmer is a legal weekly newspaper of general circulation, and an official newspaper as required by Session Laws of 1893, printed and published in Webster, in said county and state, by the Day County Printing Company and has been such newspaper during the time hereinafter mentioned, that I, John Suhr, the undersigned, am publisher of said newspaper, and have personal knowledge of all facts stated in this affidavit and that the advertisement headed Application to Appropriate Water, Althoff, a printed copy of which is hereunto attached, was printed and published in the said newspaper two successive and complete issues as follows:

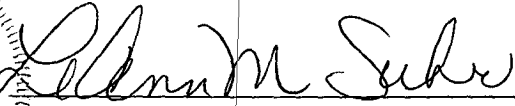
First Publication	April 26, 2004;
Second Publication	May 3, 2004;
Third Publication	;
Fourth Publication	;
Fifth Publication	;

That the full amount of fees for publication of the annexed notice is \$45.13 and inures solely to the Reporter & Farmer, published by The Day County Printing Company, that no arrangement or understanding for a division thereof has been made with any other person, and that no part thereof has been agreed to be paid any person whomsoever.

Subscribed and sworn to before me this third day of May, 2004.



LaAnn M. Suhr
Day County, South Dakota
My Commission Expires May 15, 2005



Notary Public, Day County, South Dakota

Application to a

(First April 26) NOTICE OF APPLICATION NO. 6481-3 TO APPROPRIATE WATER

Notice is given that Gary Althoff, 44908 136th St., Waubay SD 57273 has filed an application for a water permit to appropriate 3.34 cubic feet of water per second (cfs) from three wells (Coteau Lake Aquifer) 47 feet deep located in the N1/2SE1/4 Section 24 to irrigate 140 acres located in the SE1/4 Section 24; all in T123N-R53W. Water from the wells will also be pumped to supplement irrigation authorized by Water Right No. 5567-3. Water Right No. 5567-3 appropriates 1.44 cfs from two wells located in the NW1/4SW1/4 of Section 19 to irrigate 236 acres located in the W1/2 and W1/2SE1/4 of Section 19, T123N, R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6481-3 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 May 13, 2004.

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
(Last May 3)

MAY 19 2004

WATER RIGHTS
PROGRAM

Instruction to Newspaper - Publish first Notice on April 26, 2004 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6481-3 to Appropriate Water

Notice is given that Gary Althoff, 44908 136th St, Waubay SD 57273 has filed an application for a water permit to appropriate 3.34 cubic feet of water per second (cfs) from three wells (Coteau Lake Aquifer) 47 feet deep located in the N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24 to irrigate 140 acres located in the SE $\frac{1}{4}$ Section 24; all in T123N-R53W. Water from the wells will also be pumped to supplement irrigation authorized by Water Right No. 5567-3. Water Right No. 5567-3 appropriates 1.44 cfs from two wells located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 19 to irrigate 236 acres located in the W $\frac{1}{2}$ and W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 19, T123N, R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6481-3 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 May 13, 2004.

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.**

April 15, 2004

Gary Althoff
44908 136th St
Waubay SD 57273

Dear Mr. Althoff:

Water Permit Application No. 6481-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Reporter & Farmer printed at Webster, SD (Ph # 605-345-3356). 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 of Hearing 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 with the last publication to occur twenty days before the board meeting. 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

April 15, 2004

Reporter & Farmer
PO Box 30
Webster SD 57274-0030

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6481-3 to Appropriate Water to be published twice. Please publish the first notice on April 26, 2004 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 Gary Althoff, 44908 136th St., Waubay SD (Ph # 605-947-4627).

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. 6481-3

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

Date _____

We are in receipt of your letter of April 15, 2004 enclosing Notice of Hearing to Appropriate Water by Application No. 6481-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUN 30 2004

Gary Althoff
44908 136th St
Waubay SD 57273

Dear Mr. Althoff:

Enclosed is Water Permit No. 6481-3 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

Waubesa Twp

SOUTH

YAKOTA WATER WELL COMPLETION

REPORT

6481-3

07-92

Location NE 1/4 SE 1/4 Sec 24 Twp 123 Rg 53

County

DAY

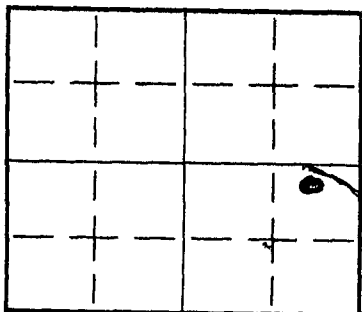
Please mark well location with an "X"

W

E

Well Completion Date

4/22/04



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.) 1000 ft. from Fert. tank center Aug. (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	21 FT	17 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
Cement	10	15 lb./gal	0 ft	5 ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 12 IN Length 20 FEET

Material PVC

Slot Size .090 Set From 21 Feet to 41 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: H. lex

NO, Why Not? _____

Laboratory sent to for water quality analysis

Pierre S.D. By Gary Althoff
For Irrigation

Well Owner: Gary Althoff

Business Name: 14908 136th St

Address: Waubesa SD

37273

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
top soil	0	2
small Rock - gravel	2	20
gravel + Rock	20	41

STATIC WATER LEVEL 41 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: 50-75 GPM Per Ft☐ Bailed☐ Other

Pumping Level Below Land Surface

30 ft. After 2 Hrs. pumped 450 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

3-wells in well field corner
See 24

This well was drilled under license # 480

And this report is true and accurate.

Drilling firm Wieber Well Drilling

Signature of License Representative: Jerry Wieber

RECEIVED

MAR 28 2005

WATER RIGHTS PROGRAM

Signature of Well Owner or Equitable Property Holder: Gary Althoff

Date: 12/12/2004

Waubay Twp

SOUTH KOTA WATER WELL COMPLETE REPORT

6481-3

07-92

Location NE 1/4 SE 1/4 Sec 24 Twp 123 Rg 53

County

DAY

North

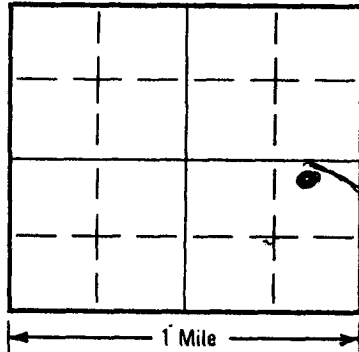
Please mark well location with an "X"

W

E

Well Completion Date

4/14/04



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 1000 ft. from Fert. tank Pivet (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	30 FT	17 1/8 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cement	10	15 lb./gal	0 ft	5 ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 12 IN Length 20 FEET

Material PVC

Slot Size .090 Set From 30 Feet to 50 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: Hilex☐ NO, Why Not?

Laboratory sent to for water quality analysis

Pierre S.D. By Gary Althoff
For Irrigation

Well Owner: GARY ALTHOFF

Business Name: 14908 136th St

Address: Bentley SD

Waubay 571273

WELL LOG:

DEPTH

FORMATION	FROM	TO
top soil	0	2
medium rock gravel	2	20
GRAVEL + Rock	20	40
GRAVEL + Rock	40	50

STATIC WATER LEVEL

51

Feet

If flowing: closed in pressure

PSI

GPM flow _____ through _____

inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate _____

GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped

Describe: AIR

☐ Bailed☒ Other

65 gal-per-ft. pump test

Pumping Level Below Land Surface

30 ft. After 2 Hrs. pumped 450 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____

GPM

REMARKS

3-wells in well field corner
Sec 24

This well was drilled under license #

480 RECEIVED

And this report is true and accurate.

Drilling firm Weber Well Drilling MAR 28 2005

Signature of License Representative:

WATER RIGHTS PROGRAM

Signature of Well Owner or Equitable Property Holder:

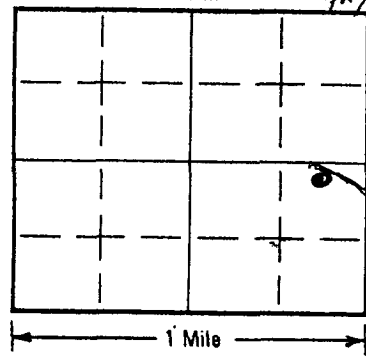
Gary Althoff 12/12/2005

Date:

0481-3
07-92

Waubesa Twp SOUTH KOTA WATER WELL COMPLETE REPORT

Location NE 1/4 SE 1/4 Sec 24 Twp 23 N R 57 E
County DAY
Please mark well location with an "X"



Well Owner: GARY ALTOFF
Business Name: 44908 136th St
Address: Bentley SD 57123
Waubesa

Well Completion Date
4/16/04

FORMATION	DEPTH	
	FROM	TO
topsoil	0	2
medium gravel Rock	2	20
Rock + gravel	20	41

LOCATION:
Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.) 1000+ ft. from center Pivot-Fert. tank (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 21 FT 17 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
Cement 10 15 lb./gal 0 ft 5 ft
____ lb./gal ____ ft ____ ft
Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 12 IN Length 20 FEET
Material PVC
Slot Size .090 Set From 21 Feet to 41 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: Nalox
____ NO, Why Not? _____
Laboratory sent to for water quality analysis

Pierre S.D. By Gary Althoff
For Irrigation

STATIC WATER LEVEL 41 Feet
If flowing: closed in pressure _____ PSI
GPM flow _____ through _____ inch pipe
Controlled by ☐ Valve ☐ Reducers ☐ Other _____
Reduced Flowrate _____ GPM
Can well be completely shut in? _____

WELL TEST DATA:
☒ Pumped Describe: Air
☐ Bailed
☒ Other
Pumping Level Below Land Surface
30 ft. After 2 Hrs. pumped 400 GPM
____ ft. After ____ Hrs. pumped ____ GPM
If pump installed, pump rate _____ GPM

REMARKS
3-wells in well field corner
Sec 24

This well was drilled under license # 480
And this report is true and accurate.
Drilling firm Wieber Well Drill
Signature of License Representative: [Signature]
Signature of Well Owner or Equitable Property Holder: Gary Althoff
Date: 12/12/2005
RECEIVED MAY 28 2005 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

January 18, 2008

NOTICE

TO: GARY ALTHOFF, 44908 136TH ST, WAUBAY, SD 57273

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2007 Irrigation Questionnaire(s)

Our records indicate that the 2007 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 5567-3 & 6481-3. The request for the Questionnaire was dated October 19, 2007. The Water Management Board has directed that owners of water permits who have not submitted the 2007 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 5567-3 & 6481-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **10:00 am, March 11, 2008** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 5567-3 & 6481-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is(are) received in this office on/or before **March 3, 2008**, you will no longer be in violation of your permit and your name will be deleted from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352. If you prefer, you can complete the questionnaire on-line at the following link:

<https://www.state.sd.us/eforms/secure/eforms/E0455V6-IQ.pdf>

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 24, 2008

5567-3
6481-3

Gary Althoff
44908 136th St
Waubay SD 57273

Dear Mr. Althoff:

I am writing to acknowledge receipt of your 2007 irrigation questionnaires. You may disregard the January 18, 2008, "Notice" concerning reporting requirements for Water Right No. 5567-3 and Water Permit No. 6481-3.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

6481-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 17, 2011

5567-3
6481-3

Gary W Althoff
342 W Lakeshore Dr
Waubay SD 57273 7120

Dear Mr. Althoff:

Enclosed is a "Notice" dated October 14, 2011 concerning the 2011 irrigation questionnaire.

The notice was originally mailed to 44908 136th St, Waubay 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,

A handwritten signature in cursive script that reads "Genny McMath".

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

enclosures



6481-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 24, 2014

NOTICE

TO: GARY ALTHOFF, 342 W LAKESHORE DR, WAUBAY, SD 57273 7120

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2013 Irrigation Questionnaire(s)

Our records indicate that the 2013 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 5567-3 & 6481-3. The request for the Questionnaire was dated October 18, 2013. The Water Management Board has directed that owners of water permits who have not submitted the 2013 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 5567-3 & 6481-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **9:00 am, March 6, 2014** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 5567-3 & 6481-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office on/or before **March 3, 2014**, you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 21, 2014

5567-3
6481-3

Gary Althoff
342 W Lakeshore Dr
Waubay SD 57273 7120

Dear Mr. Althoff:

I am writing to acknowledge receipt of your 2013 irrigation questionnaires.

You may disregard the January 24, 2014, "Notice" concerning reporting requirements for Water Right No. 5567-3 and Water Permit No. 6481-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 6481-3

I have this day, October 20, 2023, made a thorough examination of the water use system constructed by Gary Althoff, 44908 136 th St, Waubay, SD 57273 of Permit No. 6481-3, bearing the priority of March 15, 2004 authorizing the diversion of 3.34 cu. ft. per second of the waters of the Coteau Lake Aquifer for irrigation purposes, in Day County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Wieber Well Drilling
- 2) No. of Wells 3
- 3) Depth(s) 41 & 50 feet
- 4) Well log is available Y If no, explain in comments

Comments: Yes (all similar geology)

Casing:

- 1) Diameter 12 inches
- 2) Length 21 & 30 feet
- 3) Type Plastic

Screen:

- 1) Type PVC
- 2) Length 20 feet
- 3) Static water level 41 & 51 feet

Pump:

- 1) Make Submersibles
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 1700 total GPM

Motor:

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

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

- 1) Type PVC 2) Size 8 inches 3) Length 1400 feet

Comments: Some 6 inch between wells

C. Works used to apply water to beneficial use:**Center pivots:**

- 1) Make Pierce
2) Overall length feet
3) Number of towers 8
4) End gun Y
5) Capacity 1700 total 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: WELL LOCATIONS
From the SE corner Sec 24 T123N R53W WELL #1: 2630 ft N & 1070 ft W, Lat 45.42061 Long -
97.23090 WELL #2: 2445 ft N & 565 ft W, Lat 45.42012 Long -97.22888 WELL #3: 2290 ft N & 390 ft
W, Lat 45.41973 Long -97.22825 (NE ¼ SE ¼)

2. The works are capable of diverting and conveying to the place of use 3.8 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:

legal description/acreage

All land in Sec 24 T123N R53W

NW SE – 35 acres

NE SE – 35 acres

SE SE – 35 acres

SW SE – 35 acres

comprising a total of 140 acres of land and the license should be issued for 3.34

3. All structures, wells and lands on map Y

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

These wells also provide water to the irrigation system covered by WR No. 5567-3

The irrigated acreage was estimated with the aid of FSA imagery and ArcMAPS software.

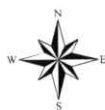
The mailing address in the permit materials is current but the cell number for Mr. Althoff is 605/881-7467.

I talked to Mr. Gary Althoff on the phone during the field inspection visit.

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

Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: **October 26, 2023**



0 0.1 0.2 0.4 0.6 0.8 Miles



Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program

WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

NAME & ADDRESS: Gary Althoff, 342 W Lakeshore Dr, Waubay SD 57273

DATE: 5/7/2024

TELEPHONE: 605.881.7467

RE: pump rate of wells

COMMENTS:

The October 20, 2023 inspection report for Permit No. 6481-3 did not take into account the water that was being diverted to supply Water Right No. 5567-3.

I had tried calling Mr. Althoff numerous times between October 2023 and May 2024 with the calls always going to voicemail. On May 7, 2024, Gary Althoff called me from a new number, halleluiah! I was finally able to ask him the rates of all three wells diverting water to irrigation systems authorized by 6481-3 & 5567-3. He indicated that wells 1 & 2 each divert 450 GPM & well 3 diverts 800 GPM, for a combined diversion of 1700 gpm.



Amanda Dewell
Water Rights Program

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6481-3**

(1) Gary Althoff, 342 W Lakeshore Dr, Waubay SD 57273, made Application No. 6481-3, December 3, 2003, for a water permit to divert 3.34 cubic feet of water per second from groundwater, three wells (Coteau Lake Aquifer), Day County, South Dakota for irrigation purposes. Permit No. 6481-3, with a priority date of March 15, 2004, was approved May 13, 2005, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before May 13, 2009, and for the application to beneficial use of water on or before May 13, 2013.

(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 3.34 cubic feet of water per second for beneficial use. The locations of the diversion points are:

- Well #1: 2,630 ft N & 1,070 ft W of the SE corner of Section 24, T123N, R53W (NE $\frac{1}{4}$ SE $\frac{1}{4}$) (Latitude 45.42061 & Longitude -97.23090)
- Well #2: 2,445 ft N & 565 ft W of the SE corner of Section 24, T123N, R53W (NE $\frac{1}{4}$ SE $\frac{1}{4}$) (Latitude 45.42012 & Longitude -97.22888)
- Well #3: 2,290 ft N & 390 ft W of the SE corner of Section 24, T123N, R53W (NE $\frac{1}{4}$ SE $\frac{1}{4}$) (Latitude 45.41973 & Longitude -97.22845)

(3) The amount of 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.

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

Section 24, T123N, R53W	
NE $\frac{1}{4}$ SE $\frac{1}{4}$	35 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$	35 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$	35 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$	35 acres
TOTAL: 140 acres	

(5) Pursuant to South Dakota Water Law 46-5-30.1 Gary Althoff, the holder and/or owner of Water Right No. 6481-3 is issued a license to appropriate water, the right to use 3.34 cubic feet of water per second from groundwater, three wells (Coteau Lake Aquifer), with a priority date of March 15, 2004, from the locations 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. 6481-3 and subject to the following qualifications:

continued

Qualifications

1. The wells approved under this Water Right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Water Right shall control their withdrawals so there is not a reduction of needed water supplies inadequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Water Right No. 6481-3 shall be constructed by a licensed well driller and construction of the wells and installation of the pumps shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:28. *(The wells were drilled in 2004 by Wieber Well Drilling. Copies of the well completion reports are on file with the Water Rights Program.)*
3. This Water Right is subject to the irrigation water use questionnaire being submitted each year.

Eric Gronlund

Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

MAY 17 2024

date





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

MAY 17 2024

6481-3

Gary Althoff
342 W Lakeshore Dr
Waubay SD 57273

Dear Mr. Althoff:

Enclosed is Water License No. 6481-3. 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.

So 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

NOTES: The water from the three wells authorized in this Water Right may also be used to supplement irrigation authorized under Water Right No. 5567-3.

The investigation found your irrigation system is capable of diverting 3.8 cubic feet of water per second (cfs) which is equivalent to approximately 1700 gallons per minute. Permit No. 6481-3 authorized the diversion of 3.34 cfs (equivalent to 1500 gpm). Diversion of water under this water license is limited to 3.34 cfs.

enclosures