

WATER PERMIT NO. 6882-3

Name of Applicant: **Dale A Boynton**

Address: **39776 132nd St, Bath SD 57427** Phone: **605 228-3247**

Amount of Water Claimed: **2.0 cfs** Total Acres: **160 acres**

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

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

Type of Waste Disposal System:

Location: **approximately 20 miles northwest of Clark**

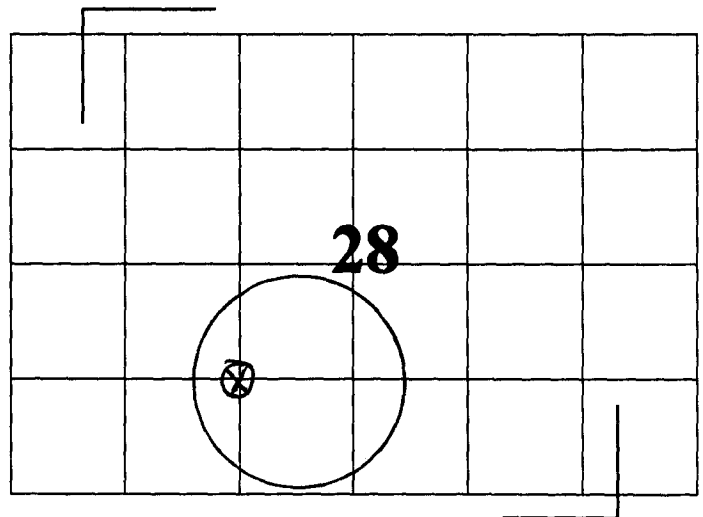
PRIORITY Date Received: **8-21-07** Application/License Fee: **\$300**

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

Remarks:

Diversion Point: **center of SW $\frac{1}{4}$ Sec 28-T119N-R59W**

Land to be Irrigated: **SW $\frac{1}{4}$, W $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 28-T119N-R59W**



Depth of Well: **130 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Randall Christensen, NRCS**

Reviewed and the Number Assigned on: **8-27-07**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

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

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only)	
	No. <u>6882-3</u>	Hydrologic Unit <u>10/60006</u>
	Basin <u>James River</u>	
	Newspaper <u>Clark Co. Courier</u>	<u>1191st Ave E</u>
	<u>605-532-3654</u>	<u>Clark 57225</u>

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AUG 21 2007
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.) _____

- Name of Applicant Dale A Boynton Phone 605-228-3247
 (check one) ☒ Owner ☐ Tenant/lessee
 Mailing Address 39776 132nd St Bath State SD 57407
 (Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 2.0 *CFS or 900 **GPM ***AF Total Acreage 135/160
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Well approximate center SW 1/4 Sec 28 T.119N
- Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W) R. 59W
irrigation wells: SW SW 33-119-59 SE SE 32-119-59
above house well NE NE 29-119-59 County Clark
- County or counties where water will be used Clark
- Annual period during which water is to be used April 1 - Oct. 31
- 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
<u>NE 1/4 Sec 28-119-59</u>	<u>40</u>	<u>NW 1/4 SW 1/4 adjoin Sec 28</u>	<u>17</u>
<u>SE 1/4 Sec 28-119-59</u>	<u>40</u>	<u>SW 1/4 SW 1/4 T119N R59W</u>	<u>17</u>
<u>W 1/4 Sec 28-119-59</u>	<u>40</u>	<u>NE 1/4 SW 1/4</u>	<u>40</u>
<u>SE 1/4 Sec 28-119-59</u>	<u>40</u>	<u>SE 1/4 SW 1/4</u>	<u>40</u>

8. Give a description of the project. (Attach sheet if more space is needed) NW 1/4 SE 1/4 23
SW 1/4 SE 1/4 23
See MAP

STATE OF SOUTH DAKOTA) SS
 County of Brown

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, Dale A Boynton, 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 Dale A Boynton

Subscribed and sworn to before me this 20th day of August 20 07

Dorinda J. Eiler
 Notary Public signature
my Commission expires December 14, 2012

**SOUTH DAKOTA
WATER PERMIT NO. 6882-3**

Date of first receipt of application August 21, 2007.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6882-3 to Dale A Boynton, 39776 132nd St, Bath SD 57427 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. 6882-3 appropriates 2.0 cubic feet of water per second from one well to be completed into the Altamont Aquifer (approximately 130 feet deep) located in center of the SW $\frac{1}{4}$ Section 28 to irrigate 160 acres located in the SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28; all in T119N-R59W.
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 – October 31.
3. The date from which applicant may claim right is August 21, 2007.
4. The date of approval of Permit No. 6882-3 is November 26, 2007.
5. One-fifth of the construction is to be completed on or before May 26, 2010.
6. All construction is to be completed on or before November 26, 2012.
7. Water is to be put to beneficial use on or before November 26, 2016.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6882-3 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. 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

JAN 03 2008

date



Supplemental Information

(type or print in ink)

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WATER RIGHTS
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1. Well Information - Proposed Construction

- a) Drill Hole Diameter 25" Depth 130'
- b) Casing Type PVC 16" Diameter 16" Thickness 5/8"
- c) Screen Type STAINLESS STAINLESS Diameter 16" Thickness
- d) Gravel Pack PER ROCK Length of Gravel Pack 50'
- e) Depth to Top of Water Bearing Material 50'
- f) Depth to Water (ground surface to water level) 50'
- g) Distance to nearest existing domestic well:

On applicants property NONE

On property owned by others See FORM 2

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

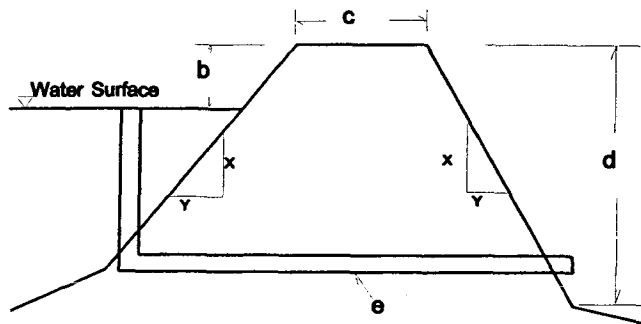
3. Dugout Information

- 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

Plan Map

Date: 8/15/2007

Customer(s): DALE A BOYNTON

District: CLARK COUNTY CONSERVATION DISTRICT

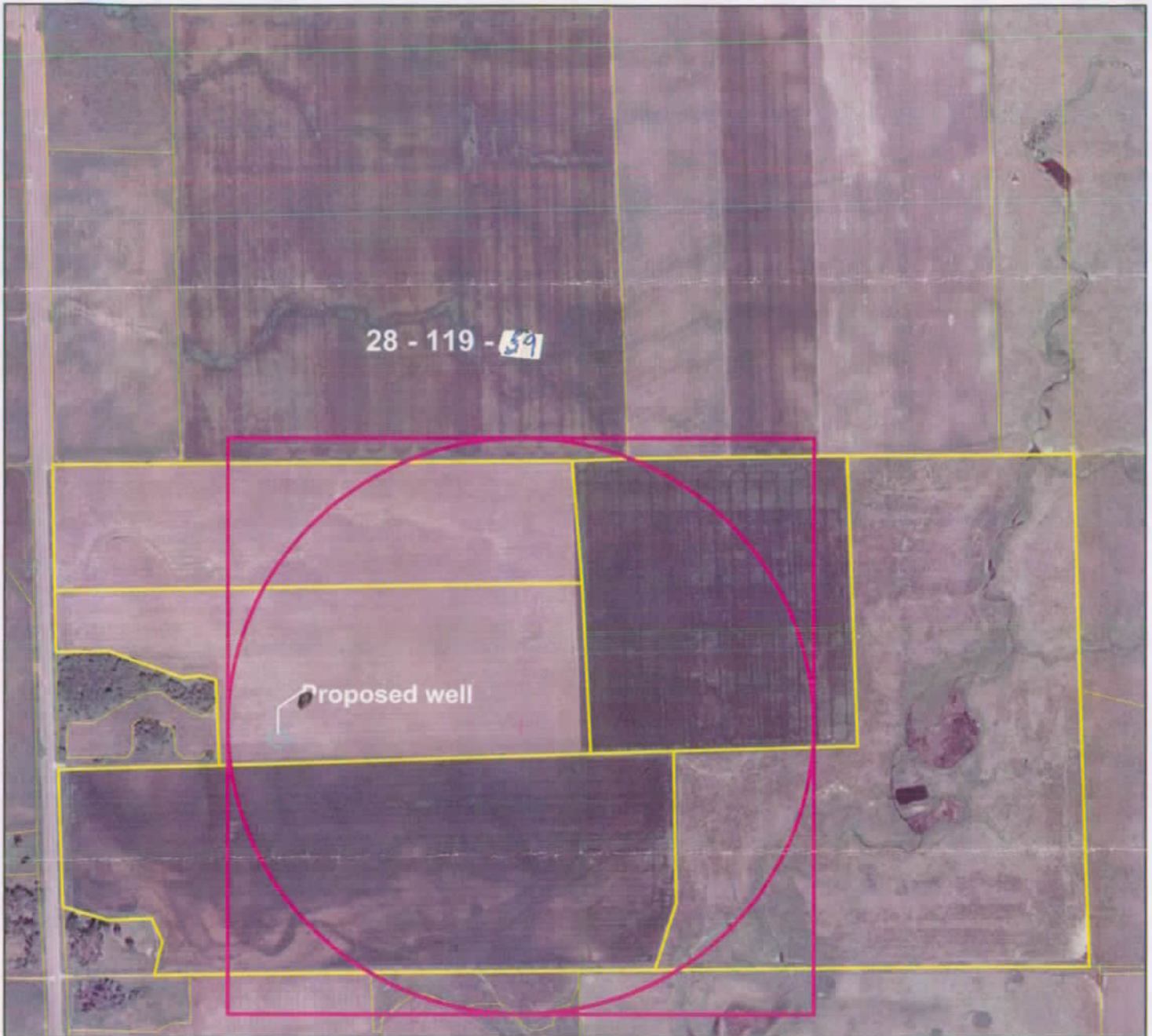
Approximate Acres: 0

Legal Description:

Field Office: ABERDEEN SERVICE CENTER

Agency: USDA/NRCS

Assisted By: Ronald W Christensen



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AUG 21 2007

WATER RIGHTS
PROGRAM

Legend

Well

Irrigat28clark

clu_copy_a_sd025

Ronald W Christensen
Deserve Conservation



390 0 390 780 1,170 1,560 Feet



RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 8/21, 2007

RECEIVED OF Dale A Boylton 39776 132nd St Bath SD 57427

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	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. _____	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.

03136

By Gerald E. Schell
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6882-3, Dale A Boynton**

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. 6882-3, Dale A. Boynton, 39776 132nd Street, Bath SD 57427.

The Chief Engineer is recommending APPROVAL of Application No. 6882-3 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. 6882-3 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. 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 25, 2007

REPORT ON WATER PERMIT APPLICATION NO. 6882-3

For Dale A. Boynton

October 9, 2007

Application No. 6882-3 proposes to appropriate 2.0 cfs (900 gpm) from one well approximately 130 feet deep located in the center of the SW $\frac{1}{4}$ of section 28 to irrigate 160 acres located in the SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ of section 28; all in T119N R59W in Clark County.

AQUIFER – ALTAMONT (A)

The Altamont is a predominantly buried outwash (sand and gravel) that is under artesian conditions in this area. In this area, Hamilton split the aquifer into what he called the Altamont 2 and Altamont 3 aquifers. The Altamont 2 underlies 630 square miles and contains an estimated 3.2 million acre-feet of water in storage in Clark County and the Altamont 3 underlies 210 square miles and contains an estimated 810,000 acre-feet of water in storage in Clark County (Hamilton, 1986). In this area, or this portion of Clark County the aquifers appear to be hydraulically connected. Ground water movement is from west to east across Clark County (Hamilton, 1986). Hamilton estimated the volume of recharge to the Altamont 2 and 3 aquifers to be about 54,000 acre-feet annually. Even though the aquifer is buried and technically under confined or artesian conditions the aquifer behaves more like it is under water table conditions. This makes sense since the aquifer does get very near the land surface just to the west of the site of this application.

No test well was drilled for this application. There is sufficient information available from the county study, observation wells in the area and other irrigation and domestic wells in this area to evaluate this application. However a test well will need to be constructed before this site can be fully evaluated as a production well site. The closest irrigation well to this site is located about one half mile southwest of this site and is capable of producing about 900 gpm according to the water license (Water Right No. 4955-3).

The Water Rights Program monitors three observation wells completed into the Altamont aquifer within two miles of this site. These are observation well CK-76A (about two miles to the north), CK-76B (about one mile to the west) and CK-78A (located about one and one-half miles to the southeast) all from this application. Hydrographs for these three wells are included with this report. In general the hydrographs indicate that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2007).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are four Water Rights within two miles of this application. These are Water Right Nos. 4955-3, 4391-3, 2653-3 and 2710-3. These are all irrigation rights. The nearest existing irrigation well is completed to a depth of 104 feet (under Water Right No. 4955-3) and is located about 3,730 feet southwest of this proposed well site. Interference will occur but should not be adverse. Drawdown can be expected, especially where under

artesian conditions, however, at this distance between diversions the magnitude of the drawdown is not expected to be significant. This concept is backed up by the observation well record which only indicates some minor fluctuation due to pumping.

CONCLUSIONS

1. Water is available from the Altamont aquifer.
2. The aquifer is probably under artesian conditions at this site. Drawdown will occur as a result of pumping. Interference is not a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. No test well was drilled for this application. Adequate testing must be completed to determine the best site for a production well.

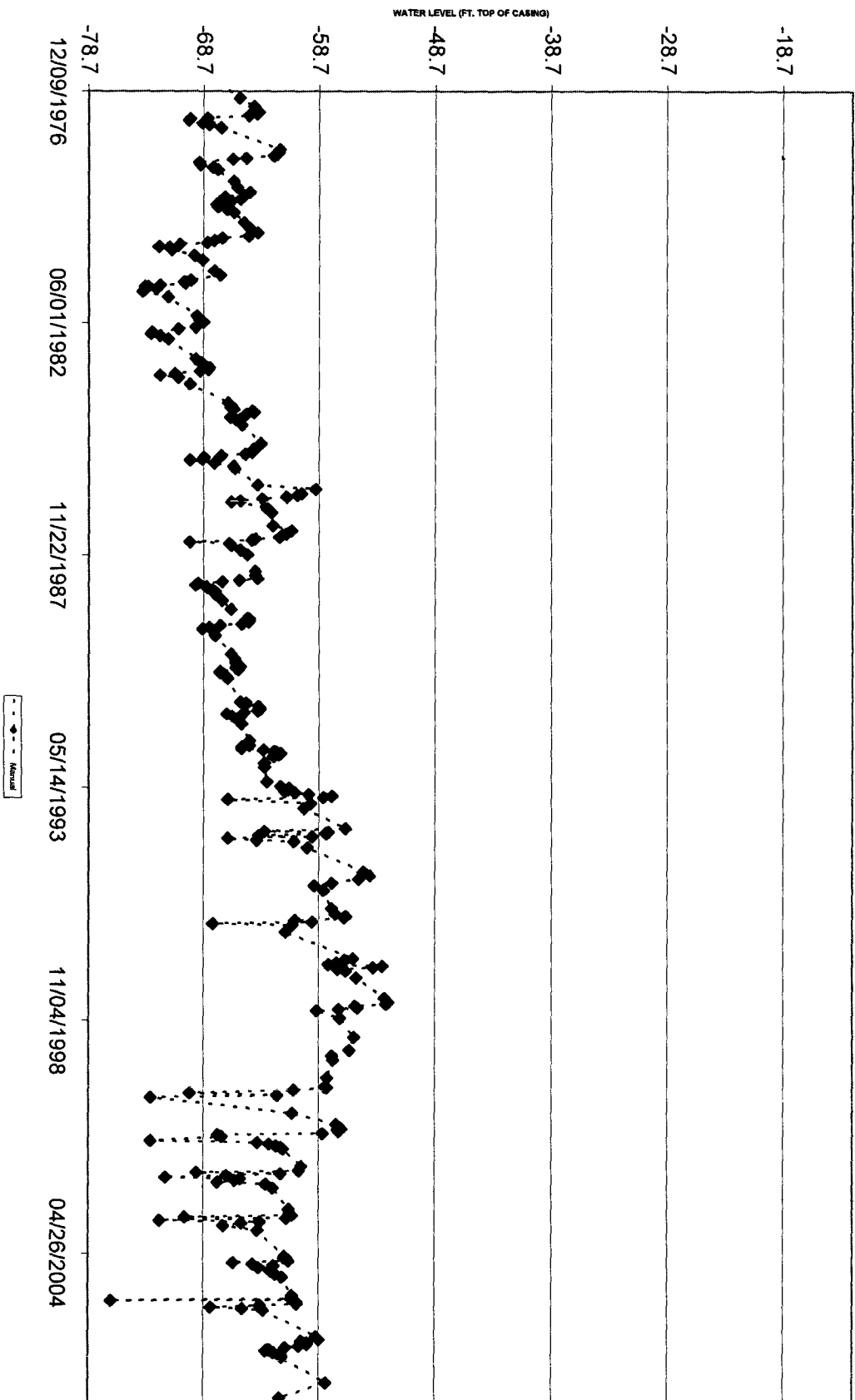

James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

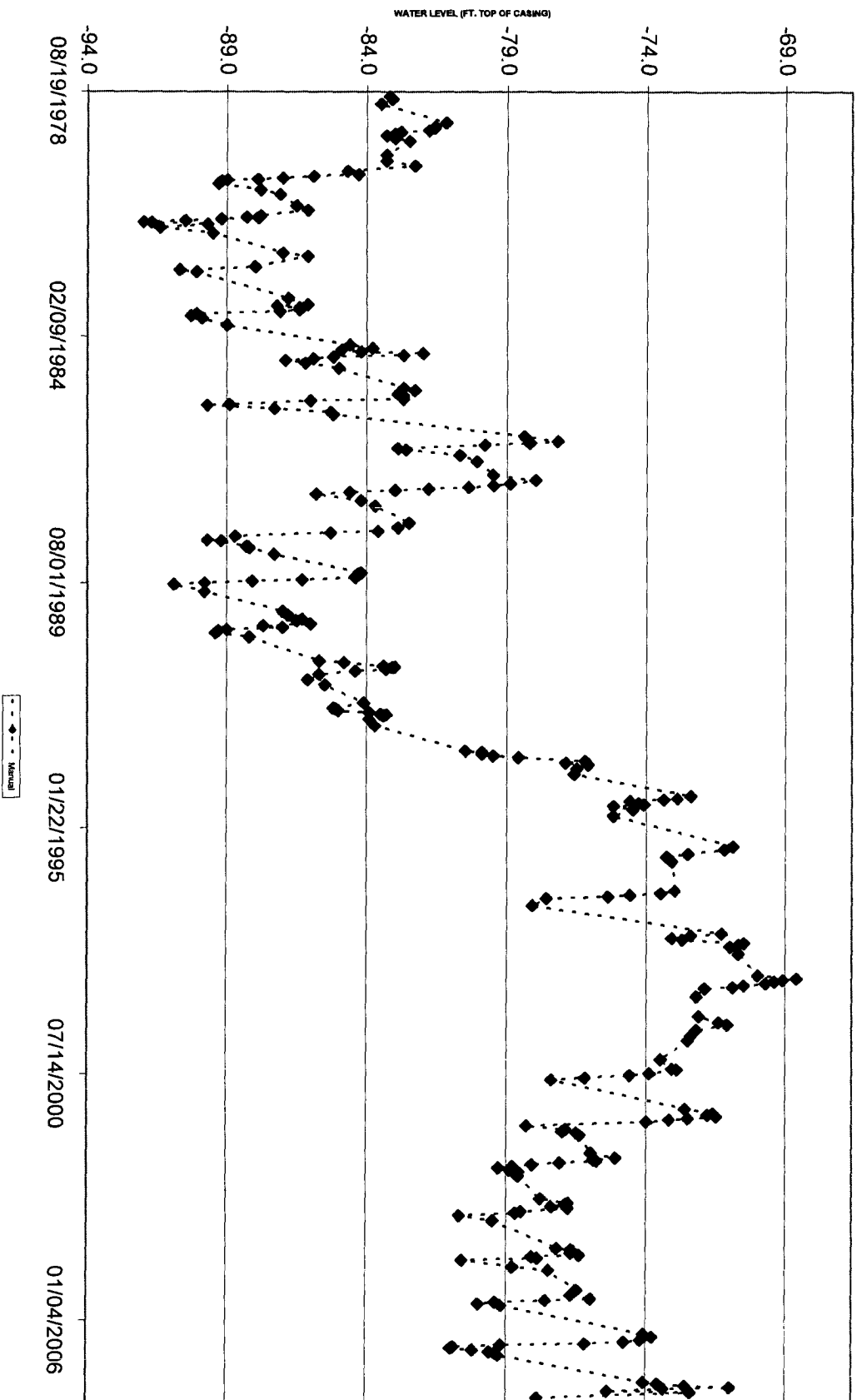
Hamilton, L.J., 1986, Geology and Water Resources of Clark County, South Dakota, Bulletin 29, SD DENR, SDGS, Vermillion, SD, 57069.

Water Rights, 2007, Unpublished Observation Well Data for Clark County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

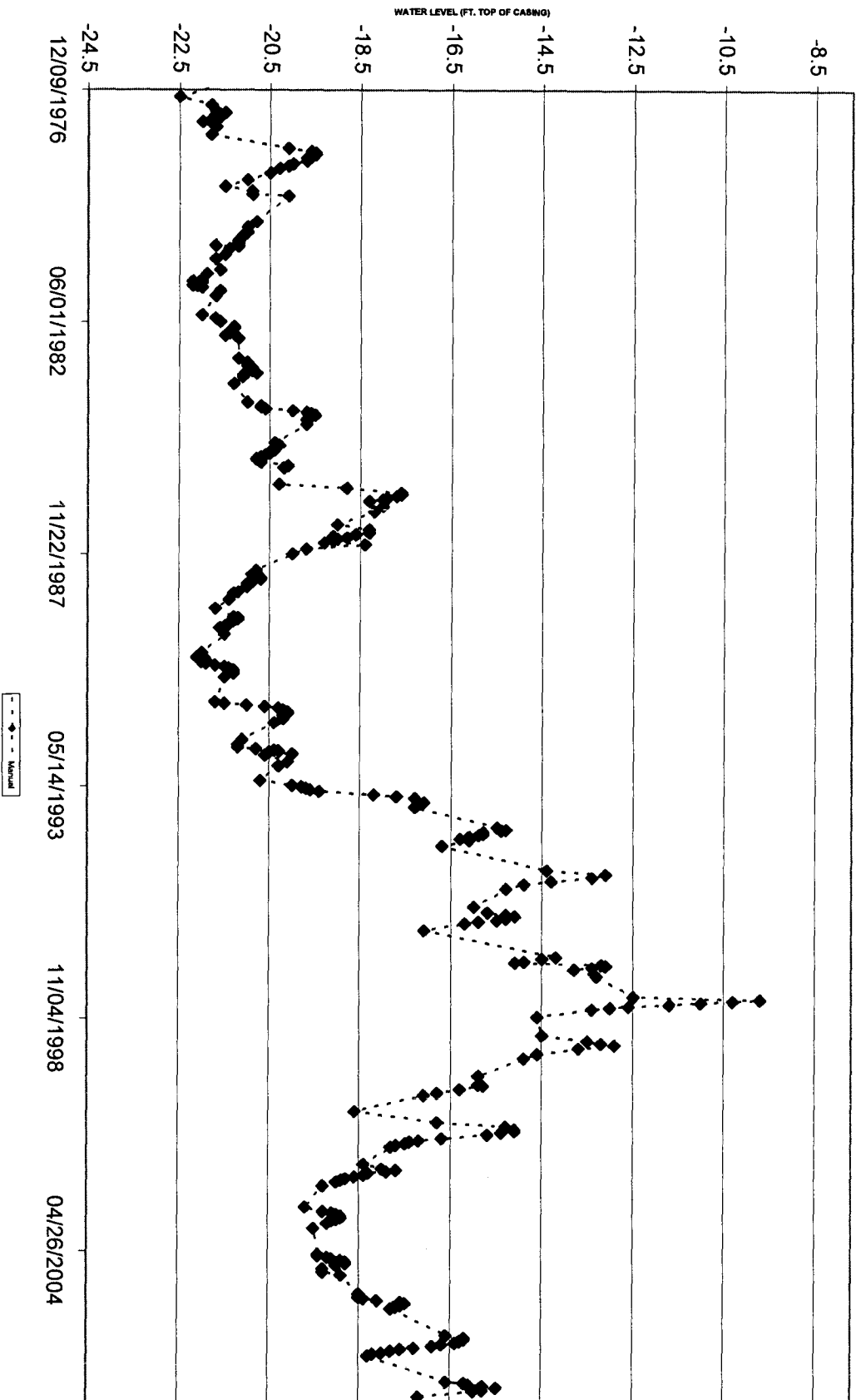
**WATER RIGHTS' OBSERVATION WELL
CK-76A**



**WATER RIGHTS' OBSERVATION WELL
CK-78A**



**WATER RIGHTS' OBSERVATION WELL
CK-76B**



NOTICE OF APPLICATION

NO. 6882-3 to Appropriate Water

Notice is given that Dale A Boynton, 39776 132nd St, Bath SD 57427 has filed an application for a water permit to appropriate 2.0 cubic feet of water per second from one well to be completed into the Altamont Aquifer (approximately 130 feet deep) located in center of the SW 1/4 Section 28 to irrigate 160 acres located in the SW 1/4, W 1/2 SE 1/4 Section 28; all in T119N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6882-3 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 26, 2007.

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.

11-7-2t

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NOV 29 2007
WATER RIGHTS
PROGRAM

Affidavit of Publication

State of South Dakota

§

County of Clark

William J. Krikac of said county, being first duly sworn, on oath says that he is the publisher of the **Clark County Courier**, a weekly newspaper printed and published in Clark in said County of Clark and has a full and personal knowledge of all the facts therein stated; that said newspaper is a legal newspaper and has a bona-fide circulation of at least two hundred copies weekly, and has been published within said County for fifty-two successive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the

DALE A. BOYNTON

a printed copy of which, taken from the paper in which same was published, is attached to this sheet, and is made a part of this Affidavit, was published in said newspaper at least once in each week for

TWO

successive weeks, on the day of each week on which said newspaper was regularly published, to-wit:

NOVEMBER 7, 2007

NOVEMBER 14, 2007

that the full amount of the fees for the publication of the annexed notice is

40.48

William J. Krikac

Subscribed and sworn to before me this

28TH DAY OF NOVEMBER, 2007

Arne Helke

Notary Public

Clark County, South Dakota

My commission expires: 06/04/2013



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 26, 2007

Clark County Courier
119 1st Ave E
Clark SD 57225

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 6882-3 to Appropriate Water to be published twice. Please publish the first notice on November 7, 2007 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 Dale A Boynton, 39776 132nd St, Bath SD 57427 (Ph # 605-228-3247).

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. 6882-3

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

Date _____

We are in receipt of your letter of October 26, 2007 enclosing Notice to Appropriate Water by Application No. 6882-3 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 26, 2007

Dale A Boynton
39776 132nd St
Bath SD 57427

Dear Mr. Boynton:

Water Permit Application No. 6882-3 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 Clark County Courier printed at Clark SD (Ph # 605-532-3654). 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 is enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

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

Instruction to Newspaper - Publish first Notice on November 7, 2007 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6882-3 to Appropriate Water

Notice is given that Dale A Boynton, 39776 132nd St, Bath SD 57427 has filed an application for a water permit to appropriate 2.0 cubic feet of water per second from one well to be completed into the Altamont Aquifer (approximately 130 feet deep) located in center of the SW ¼ Section 28 to irrigate 160 acres located in the SW ¼, W ½ SE ¼ Section 28; all in T119N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6882-3 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 recommendations 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 26, 2007.

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

JAN 03 2000

Dale A Boynton
39776 132nd St
Bath SD 57427

Dear Mr. Boynton:

Enclosed is Water Permit No. 6882-3 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

SOUTH DAKOTA WATER WELL COMPLETION REPORT

6882-3

11-02

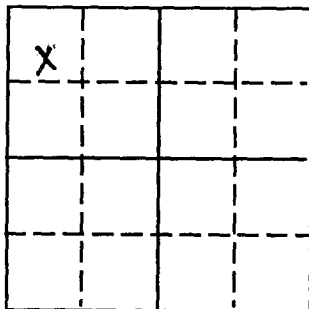
Location NW ¼ NW ¼ Sec 28 Twp 119 Rg 59

County

Clark

North

Please mark well location with an "X"



1 Mile

Well Completion Date

8/28/2008

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

? _____ ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
	16.00	0.0	84.0	25.00

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	0.0 Ft	80.0 Ft
Vol Clay	30			

Describe grouting procedure
Line

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 15.0 FeetMaterial Stainless SteelSlot Size .060 Set From 84.0 Feet to 99.0 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Pearock Gravel Pack

Describe packer(s) and location

From 80-99

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Pellets
☐ No, Why Not? _____
 Lab sample sent to for water quality analysis
Well Owner: Dale Boynton

Business Name: _____

Address: 39776 132nd StCity, State, Zip: Bath SD 57427

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Yellow Clay	0	22
Yellow Gravel	22	23
Yellow Clay	23	28
Blue Clay	28	73
Fine Sand	73	76
Coarse Sand w/ Gravel	76	83
Coarse to Med Sand	83	93
Med to Coarse Sand w/ Coal	93	99

STATIC WATER LEVEL 44.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe: 850 GPM with Turbine
☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

This well was drilled under license # 440

And this report is true and accurate.

Drilling firm: Pullman Drilling Inc.

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

 RECEIVED
 OCT 21 2008
 WATER RIGHTS
 PROGRAM



6882-3

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

JUN 28 2023

Dale A Boynton
39776 132nd St
Bath SD 57427

6882-3

Dear Mr. Boynton:

Enclosed is Water License No. 6882-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6882-3**

(1) Dale A Boynton; 39776 132nd St, Bath SD 57427, made Application No. 6882-3, August 21, 2007, for a water permit to divert 2.0 cubic feet of water per second from groundwater, one well (Altamont Aquifer), Clark County, South Dakota for irrigation purposes. Permit No. 6882-3, with a priority date of August 21, 2007, was approved November 26, 2007, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before November 26, 2012, and for the application to beneficial use of water on or before November 26, 2016.

(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 2.0 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 1,140 ft N & 935 ft E of the SW $\frac{1}{4}$ of Section 28, T119N, R59W (SW $\frac{1}{4}$ SW $\frac{1}{4}$)
(Latitude 45.08367 Longitude -97.93925)

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

Section 28, T119N, R59W			
NW $\frac{1}{4}$ SW $\frac{1}{4}$	9.8 acres	NW $\frac{1}{4}$ SE $\frac{1}{4}$	21.1 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$	38.5 acres	SW $\frac{1}{4}$ SE $\frac{1}{4}$	21.1 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$	39.0 acres		
SW $\frac{1}{4}$ SW $\frac{1}{4}$	11.2 acres	TOTAL:	140.7 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Dale A Boynton, the holder and/or owner of Water Right No. 6882-3 is issued a license to appropriate water, the right to use 2.0 cubic feet of water per second from groundwater, one well (Altamont Aquifer), with a priority date of August 21, 2007, from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 6882-3 and subject to the following qualifications:

1. The well 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 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. 6882-3 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. This Water Right is approved 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

JUN 28 2023

date



Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 6882-3

I have this day, **June 22, 2023**, made a thorough examination of the water use system constructed by **Dale A Boynton, 39776 132nd St, Bath, SD 57427** of Permit No. **6882-3**, bearing the priority of **August 21, 2017** authorizing the diversion of **2.0** cu. ft. per second of the waters of the **Altamont Aquifer** for **irrigation** purposes, in **Clark** County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Pullman Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **99** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **16 inches**
- 2) Length **84** feet
- 3) Type **Plastic**

Screen:

- 1) Type **Stainless steel**
- 2) Length **15** feet
- 3) Static water level **44** feet

Pump:

- 1) Make **Submersible**
- 2) Model **Unknown**
- 3) Size **Unknown**
- 4) Capacity **900** 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 **Buried PVC**
- 2) Size **8** inches
- 3) Length **1250** feet

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Reinke
- 2) Overall length 1300 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 900 GPM

Chemigation Equipment:

- 1) Does chemigate Y/N

Comments: Uses commercially available injection equipment

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 LOCATION
2. From the SW corner Sec 28 T119N R59W 1140 ft N & 935 ft E, Lat 45.08367 Long -97.93925 (SW 1/4 SW 1/4).
3. The works are capable of diverting and conveying to the place of use 2.0 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 28 T119N R59W

NW 1/4 SW 1/4 - 9.8 acres

NE 1/4 SW 1/4 - 38.5 acres

SE 1/4 SW 1/4 - 39.0 acres

SW 1/4 SW 1/4 - 11.2 acres

NW 1/4 SE 1/4 - 21.1 acres

SW 1/4 SE 1/4 - 21.1 acres

comprising a total of 140.7 acres of land and the license should be issued for 2.0 cfs (land controls)

4. All structures, wells and lands on map Y

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

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

The pump rate reported in a recent Irrigation Questionnaire was used to establish the system flow capacity.

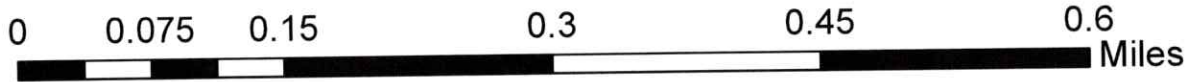
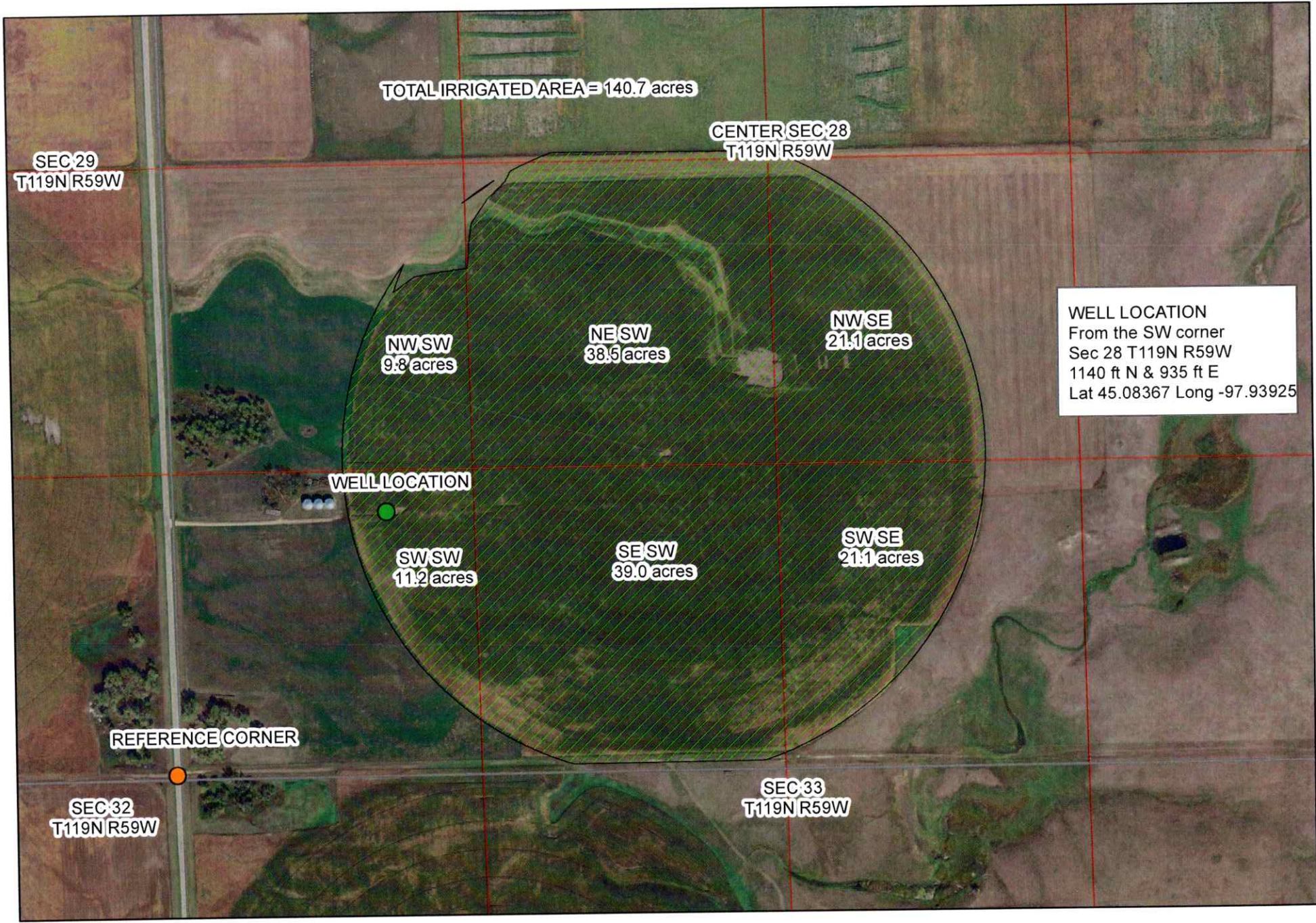
The mailing address and the telephone number in the permit materials are current

I talked to Dale Boynton during the field inspection visit.

A handwritten signature in black ink, appearing to read "Darrell W DeBoer", written over a horizontal line.

Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: **June 27, 2023**



**SOUTH DAKOTA
WATER PERMIT NO. 6882-3**

Date of first receipt of application August 21, 2007.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6882-3 to Dale A Boynton, 39776 132nd St, Bath SD 57427 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. 6882-3 appropriates 2.0 cubic feet of water per second from one well to be completed into the Altamont Aquifer (approximately 130 feet deep) located in center of the SW ¼ Section 28 to irrigate 160 acres located in the SW ¼, W ½ SE ¼ Section 28; all in T119N-R59W.
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 – October 31.
3. The date from which applicant may claim right is August 21, 2007.
4. The date of approval of Permit No. 6882-3 is November 26, 2007.
5. One-fifth of the construction is to be completed on or before May 26, 2010.
6. All construction is to be completed on or before November 26, 2012.
7. Water is to be put to beneficial use on or before November 26, 2016.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6882-3 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. 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

JAN 03 2008

date

