

WATER PERMIT NO. 6465-3

Name of Applicant: **David Ruppelt**

Address: **30703 413th Ave, Tyndall SD**

Phone: **605 589-3483**

Amount of Water Claimed: **1.56 cfs**

Total Acres: **135 acres**

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

Water to be used for: **irrigation**

County: **Bon Homme**

Type of Waste Disposal System:

Location: **5 miles southwest of Tyndall**

PRIORITY Date Received: **1-20-04**

Application/License Fee: **\$300**

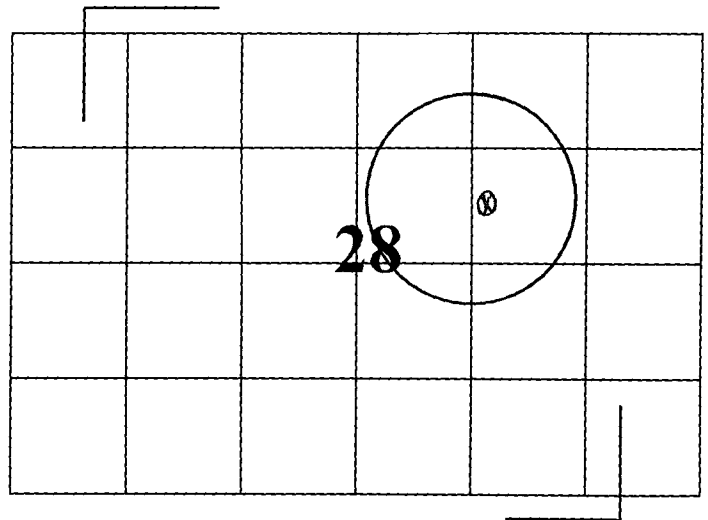
Corrected Application Received: **1-30-04**

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

Remarks:

Diversion Point: **SE ¼ NE ¼ Sec 28-T94N-R60W**

Land to be Irrigated: **N ½ SE, NE ¼ Sec 28-T94N-R60W**



Depth of Well: **220 feet**

Well Driller: : **Christensen Well & Irrigation**

Remarks:

Type of Map: **aerial**

Prepared by: **Ernie Brumm, Bon Homme FSA**

Reviewed and the Number Assigned on: **1-30-04**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 6465-3

Date of first receipt of application January 20, 2004.

Date of return to applicant for corrections, amendments or changes January 21, 2004.

Date of receipt of corrected application January 30, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6465-3 to David Ruppelt, 30703 413th Ave, Tyndall SD 57066 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. 6465-3 appropriates 1.56 cubic feet of water per second from one well (Choteau:Tyndall Aquifer) 220 feet deep located in the SE ¼ NE ¼ Section 28 to irrigate 135 acres located in the NE ¼, N ½ SE ¼ Section 28; all in T94N-R60W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30.
3. The date from which applicant may claim right is January 20, 2004.
4. The date of approval of Permit No. 6465-3 is April 19, 2004.
5. One-fifth of the construction is to be completed on or before October 19, 2006.
6. All construction is to be completed on or before April 19, 2009.
7. Water is to be put to beneficial use on or before April 19, 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 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. 6465-3 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

APR 30 2004
date



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6465-3</u>	(office use only) Hydrologic Unit <u>10170101</u>
	Basin <u>Missouri River</u>	
	Newspaper <u>Tyndall Tribune Register</u>	

RECEIVED
JAN 20 2004
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 David Ruppelt Phone 605-589-3483
(check one) X Owner Tenant/lessee
Mailing Address 30703 413th Ave. Tyndall State S.D. 57066
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 1.56 *CFS or 700 **GPM ~~700~~ ***AF Total Acreage 135
(*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
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 well
in NE 1/4 of 28-94-60
(SE1/4 NE1/4) Albion Township County Bon Homme
5. County or counties where water will be used Bon Homme
6. Annual period during which water is to be used May 1 to Sept 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
<u>NE 1/4 28-94-60</u>	<u>135</u>		
<u>SE 1/4 28-94-60</u>	<u>10</u>		
<u>NE 1/2 SE 1/4</u>			

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

7 tower pivot ~~irrigation~~ irrigation 1,300 ft. long

STATE OF SOUTH DAKOTA) SS
County of Bon Homme

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, David Ruppelt, 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 David Ruppelt

Subscribed and sworn to before me this 15th day of January 20 04

Tom R. Bunn

Notary Public signature

My Commission Expires 10-15-2004

(Complete applicable portions only)

Chris Jensen Well & Irrigation Inc
Hartington Nebr

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 26 inches Depth 220 ft.
- b) Casing Type plastic Diameter 16 in. outside Thickness Schedule 40
- c) Screen Type plastic Diameter 16 in. outside Thickness Schedule 40
- d) Gravel Pack road class Length of Gravel Pack 45 ft
- e) Depth to Top of Water Bearing Material 80 ft
- f) Depth to Water (ground surface to water level) 80 ft.
- g) Distance to nearest existing domestic well:

On applicants property 1/4 mile N.E. On property owned by others 3/4 mile South

2. Wastewater Disposal System Information

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

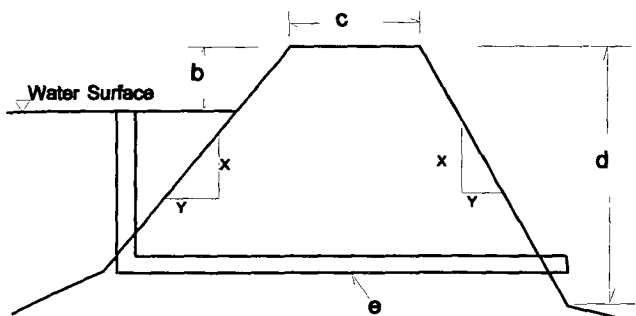
3. Dugout Information

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

4. Water Storage Dams

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

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



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

RECEIVED

JAN 30 2004

WATER RIGHTS
PROGRAM

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date January 20, 20 04

RECEIVED OF David E Ruppelt, 30703 413 Ave., Tyndall SD 57066-5924⁹

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

Fee for Application for Permit No. <u>6465-3</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>6465-3</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.

001102

By

Darland Ebele
Chief Engineer
gm

MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP



SOUTH DAKOTA WATER WELL COMPLETION REPORT

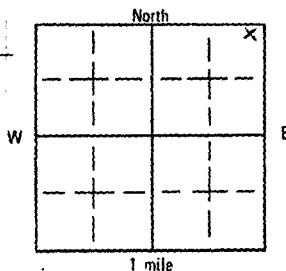
10-85

Location NE 1/4 NE 1/4 Sec 28 Twp 94N Rg 60W

County

BON HOMME

Please mark well location with an "X"

Well Completion Date 8/13/86

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

FORWARD ROTARY

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>200 LB/FT</u>	<u>5 IN</u>	<u>0 FT</u>	<u>135 FT</u>	<u>7 7/8 IN</u>
<u>200 LB/FT</u>	<u>2 1/2 IN</u>	<u>130 FT</u>	<u>140 FT</u>	<u>3 7/8 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 135 ft. FEETWhat is grouting material? BENTONITE & PEA ROCK

If cement, number of sacks? _____

Describe grouting procedure MIXED WHILE DRILLING

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 2 1/2 IN Length 20 FEETMaterial PVCSlot Size 10 Set From 140 Feet To 160 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☒ YES ☐ NOIf so, what material? STEEL & RUBBERDescribe packer(s) and location? AT 130 FT.Was well disinfected upon completion? ☐ YES ☒ NO

Explain _____

Bacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name DAVE RUPPELTAddress R1 BOX 110 TYNDALL, SD

Well Log:

Formation	From	To
TOP SOIL	0	2 FT.
YELLOW CLAY	2	35
YELLOW CLAY SAND LAYERS	35	102
COARSE SAND	102	104
FINE SAND	104	140
MED. FINE SAND	140	160

STATIC WATER LEVEL 50 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

50 ft. After 24 Hrs. pumped 15 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

SAND THAT THE
Flow is in, is Real
Light Colored

This well was drilled under license # 21

And this report is true and accurate.

Drilling firm KORANDA WELL CO.

Signature of License Representative: _____

Signature of Well Owner:

Dave RuppeltDate Aug. 13 19869-19-86



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 21, 2004

David Ruppelt
30703 413th Ave
Tyndall SD 57066

Dear Mr. Ruppelt:

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

Enclosed is a Form 2A Supplemental Information. Please complete Item No. 1 regarding the Well Information – Proposed Construction. Also, submit a well log or test hole log signed by a licensed South Dakota well driller.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352

enclosure

REPORT ON WATER PERMIT NO. 6465-3
For David Ruppelt
March 11, 2004

Application No. 6465-3 proposes to appropriate 1.56 cfs(700 gpm) from one well approximately 220 feet located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of section 28 to irrigate 135 acres located in the NE $\frac{1}{4}$ and N $\frac{1}{2}$ SE $\frac{1}{4}$ of section 28; all in T94N R60W in Bon Homme County.

AQUIFER – CHOTEAU TYNDALL (CH-T)

The Choteau Tyndall is a buried outwash (sand and gravel) that is predominantly under water table conditions in the area of this application but can be found under artesian conditions elsewhere in the county. The Choteau Tyndall underlies 31,300 acres and contains an estimated 140,850 acre-feet of recoverable water in storage in Bon Homme County (Hedges, 1982). The aquifer extends into Yankton and Hutchinson Counties to the east and north where it blends into the Lower James Missouri – Scotland aquifer. Ground water movement is from north to south and the aquifer appears to be hydraulically connected to the Niobrara aquifer and also discharges into Emmanuel Creek along the lower reaches of the creek just above the town of Springfield (Jorgensen, 1971).

No test well information was supplied with this application. However, there is sufficient information available from nearby domestic and irrigation wells, observation wells, and data from the county study to evaluate this application. The surrounding well data indicates the aquifer top can be expected to be 35 to 60 feet below land surface and extending to a total depth of about 225 feet. A nearby irrigation well (located about one-half mile to the north east) is capable of producing 1200 gpm with about 10 feet of drawdown for a specific capacity of 120 gpm/ft of drawdown and another nearby irrigation well (located about one-half mile to the southeast) is capable of producing 1000 gpm with 23 feet of drawdown for a specific capacity of about 44 gpm/ft of drawdown. The aquifer appears to be very prolific in this area.

The Water Rights Program monitors nine observation wells within a four mile radius of this site. One of these observation wells BH-76C is located within one-half mile of the well for this application. Water levels for this observation well indicate some fluctuation due to climatic conditions but little apparent effects from pumping. The water level record indicates that the aquifer does recharge and is capable of sustaining additional withdrawals (Water Rights, 2004). A hydrograph for this observation well is included with this report.

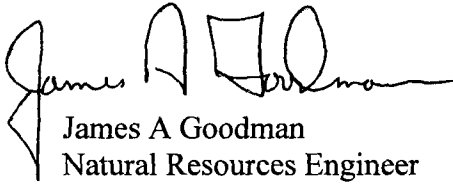
REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are two existing water rights Nos. 5424-3 and 5513-3 with diversion points located about one-half mile to the northeast and southeast of this proposed well.

Interference is not expected to be a concern. The observation well hydrograph indicates that drawdown in this immediate area is not significant.

CONCLUSIONS

1. Water is available from the Choteau Tyndall aquifer.
2. The aquifer is under water table conditions in this area. Pumping is not expected to create significant drawdown especially at the distance between production wells. Interference is not a concern.
3. This well must be constructed in accordance with SD Well Construction Standards.



James A Goodman
Natural Resources Engineer

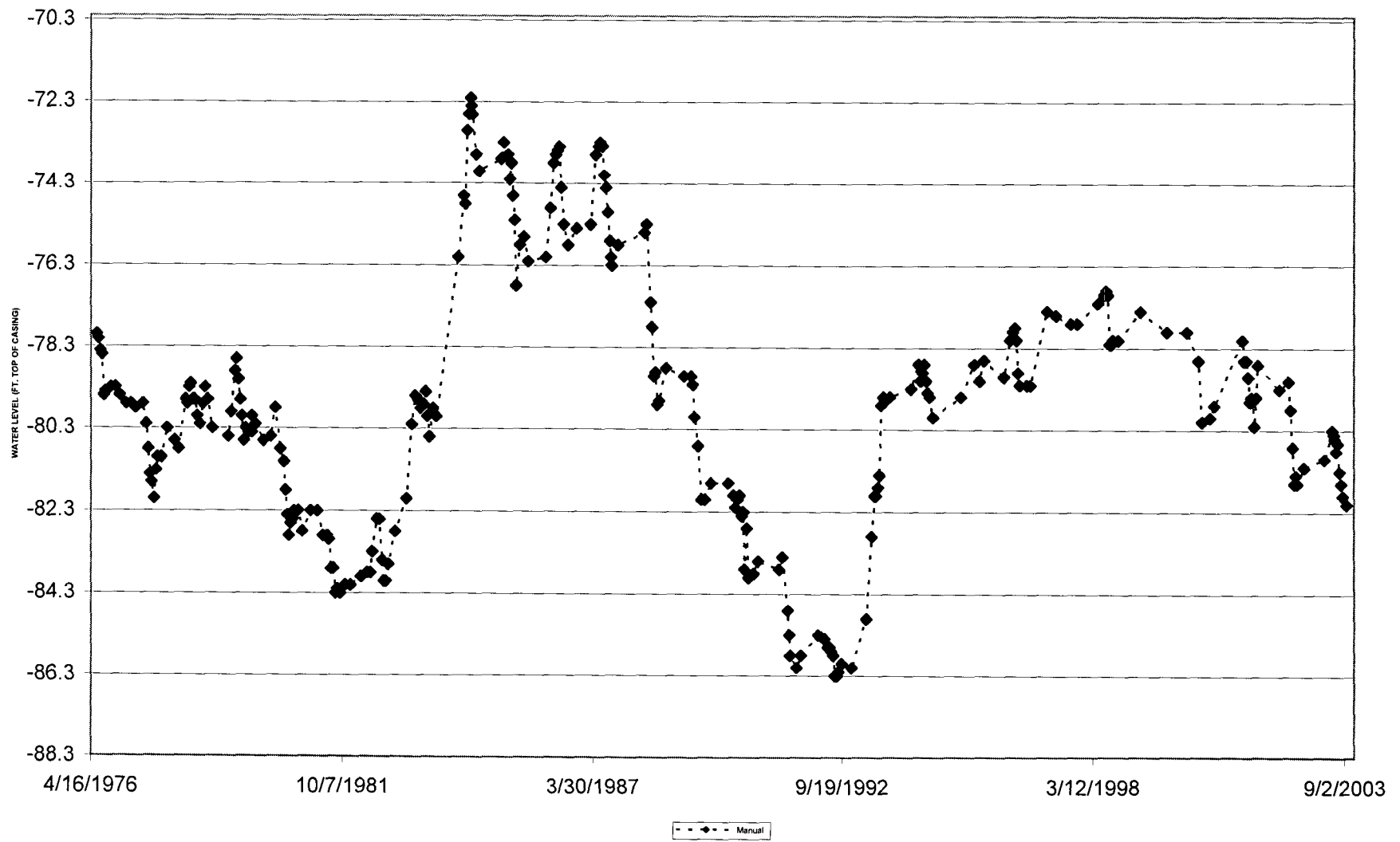
BIBLIOGRAPHY

Hedges, L.S., and others, 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.

Jorgensen, D.G., 1971, Geology and Water Resources of Bon Homme County, South Dakota, Bulletin 21, Part II – Water Resources, SD DENR, SDGS, Vermillion, SD, 57069.

Water Rights, 2004, Unpublished Observation Well Data for Bon Homme County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
BH-76C





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

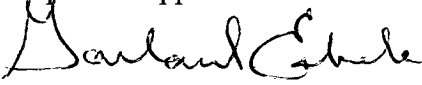
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6465-3, David Ruppelt**

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. 6465-3, David Ruppelt, 30703 413th Avenue, Tyndall SD 57066.

The Chief Engineer is recommending APPROVAL of Application No. 6465-3 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. 6465-3 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
March 19, 2004

Affidavit of Publication

State of South Dakota }
County of Bon Homme } SS

Rebecca Tycz.....Being first duly sworn says that the **Tyndall Tribune & Register** is a legal weekly newspaper for publication of legal and other official notices as required by Chapter 298 of the Session Laws of South Dakota, 1939; that it has bona fide paid circulation of more than two hundred copies weekly; that it is published in English language in the City of Tyndall, Bon Homme County, South Dakota, and has been admitted to the United States mail under second class mailing privilege for more than one year prior to the first publication of the notice herein mentioned, and that it is printed in an office maintained at the place of publication at Tyndall, South Dakota, and that deponent is the publisher in charge of the advertising department of said newspaper; that the advertisement headed

Notice of Application
58034.5 + 80% X1

a printed copy of which is hereto attached, was printed and published in said newspaper for *two* successive weeks, upon the following dates:

<i>March 31</i> 20 <i>04</i>	20.....
<i>April 7</i> 20 <i>04</i>	20.....
.....20.....	20.....
.....20.....	20.....

That the full amount of the fee charged for the publication of said notice, *\$36.02*, inures to the benefit of the publisher of said newspaper, that no agreement or understanding for the division thereof has been made with any other person, and that no part has been agreed to be paid to any person whomsoever.

Rebecca Tycz, publisher

Subscribed and sworn to before me this *April* 20*04*

PEGGY SCHLESKE
NOTARY PUBLIC
SOUTH DAKOTA

My commission expires Oct. 24, 2009

RECEIVED

APR 09 2004

WATER RIGHTS
PROG M

NOTICE OF APPLICATION NO. 6465-3 to Appropriate Water

Notice is given that David Ruppelt, 30703 413th Ave, Tyndall SD 57066 has filed an application for a water permit to appropriate 1.56 cubic feet of water per second from one well (Choteau: Tyndall Aquifer) 220 feet deep located in the SE 1/4 NE 1/4 Section 28 to irrigate 135 acres located in the NE1/4, N1/2, SE1/4 Section 28; all in T94N-R60W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6465-3 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 April 19, 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.

(March 31 & April 7)

Instruction to Newspaper - Publish first Notice on March 31, 2004 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6465-3 to Appropriate Water

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**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

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

March 19, 2004

David Ruppelt
30703 413th Ave
Tyndall SD 57066

Dear Mr. Ruppelt:

Water Permit Application No. 6465-3 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 Tyndall Tribune & Register printed at Tyndall, SD (Ph # 605-589-3242). 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

March 19, 2004

Tyndall Tribune & Register
PO Box 520
Tyndall SD 57066-0520

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6465-3 to Appropriate Water to be published twice. Please publish the first notice on March 31, 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 David Ruppelt, 30703 413th Ave, Tyndall SD (Ph # 605-589-3483).

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. 6465-3

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

Date _____

We are in receipt of your letter of March 19, 2004 enclosing Notice of Hearing to Appropriate Water by Application No. 6465-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



APR 30 2004

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

David Ruppelt
30703 413th Ave
Tyndall SD 57066

Dear Mr. Ruppelt:

Enclosed is Water Permit No. 6465-3 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

NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date 5-21-04

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

FROM: David Ruppelt
(name)
30703 413th Ave.
(address)
Tyndall S.D. 57066 605-589-3483
(city, state, zip) (phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

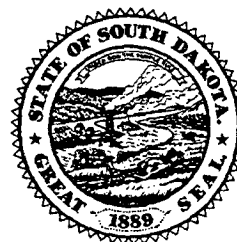
Water Permit No. 6465-3 states that the water use system is to be constructed by April 19, 2009, and water is to be put to beneficial use by April 19, 2013
(date) (date)

The water use system was completed on April 4, 2004.
(date)

Applying the water to beneficial use was completed on May 19, 2004.
(date)

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

David Ruppelt
(signature)





**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 28, 2004

6465-3

David Ruppelt
30703 413th Ave
Tyndall SD 57066

Dear Mr. Ruppelt:

I am writing to acknowledge receipt of your 2004 irrigation questionnaire for Water Permit No. 6465-3. In order for the form to be complete, the back side needs to be filled out.

Please include the number of acres, pump rate (in gallons per minute), days per month and hours per day that the system was running. The information is important to us in calculating how much water was used from a specific source.

Please complete the form and return it to us by December 3rd. Thank you in advance for your help. If you have any questions, please contact me.

Sincerely,

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

enclosure

SOUTH DAKOTA WATER WELL COMPLETION REPORT

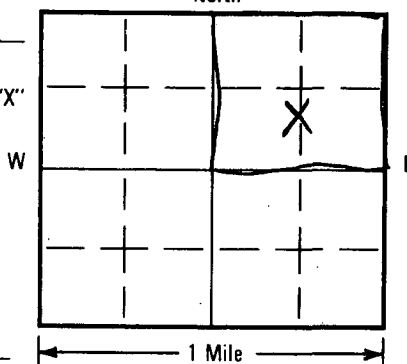
6465-3

07-92

Location NE 1/4 Sec 28 Twp 94N Rg 60WCounty Don Homme

North

Please mark well location with an "X"



Well Completion Date

4-3-04

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 2000 ft. from septic tank (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>SDR26</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>214</u> FT	<u>28</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Removal</u>	_____	_____ lb./gal	<u>90</u> ft.	<u>20</u> ft.
<u>Cement</u>	_____	_____ lb./gal	<u>20</u> ft.	<u>0</u> ft.

Describe grouting procedure _____

SCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 16 IN Length 40 FEETMaterial PVCSlot Size .085 Set From 174 Feet to 214 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:Chlorine

_____ NO, Why Not?

Laboratory sent to for water quality analysis _____

Well Owner:

Dave Appelt

Business Name:

Address:

30703 413rd
tyndall, SD 57066

WELL LOG:

DEPTH

FORMATION

FROM

TO

<u>top of brown clay</u>	<u>0</u>	<u>60</u>
<u>red sand</u>	<u>60</u>	<u>177</u>
<u>blue clay</u>	<u>177</u>	<u>180</u>
<u>fine green gravel</u>	<u>180</u>	<u>214</u>
<u>ROCKS</u>	<u>214</u>	

STATIC WATER LEVEL

91

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:

Tested w/ turbine pump☐ Bailed☐ Other

Pumping Level Below Land Surface

106 ft. After 1 Hrs. pumped 850 GPM113 ft. After 2 Hrs. pumped 1200 GPMIf pump installed, pump rate 700 GPM

REMARKS

This well was drilled under license # 444

And this report is true and accurate.

Drilling firm

Christensen Wells Drilling

Signature of License Representative:

Cody W. Christensen

RECEIVED

Signature of Well Owner or Equitable Property Holder:

JAN - 3 2005

WATER RIGHTS PROGRAM

Date:

1-3-05

Permit No. 6465-3
Missouri River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

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

I have this day, **July 13, 2006**, made a thorough examination of the water use system constructed by **David Ruppelt** of **30703 413th Ave, Tyndall SD 57066** holder of Permit No. **6465-3**, bearing the priority of **January 20, 2004** authorizing the diversion of **1.56** cu. ft. per second of the waters of **ground water (Choteau Tyndall aquifer)** for **irrigation** purposes, in **Bon Homme** County.

Inspection contact & relationship to permit holder, if applicable: **David Ruppelt**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Christensen Well**
- 2) No. of Wells **1**
- 3) Depth(s) **214** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **16** inches
- 2) Length **174** feet
- 3) Type **Plastic**

Screen:

- 1) Type **PVC**
- 2) Length **40** feet
- 3) Static water level **91** feet

Pump:

- 1) Make **Goulds**

Motor:

- 1) Make **US Motor**
- 2) Horsepower rating **50** hp

B. Works used to apply water to beneficial use:

Center pivot:

- 1) Make **Valley**
- 2) Number of towers **7**
- 3) End gun **Y**
- 4) Capacity **700** GPM

Chemigation Equipment:

- 1) Does chemigate **N**

C. 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 **Completed within construction period**
- 3) Exceptions to compliance are: **none**

Report of Examination of Works

Permit No. 6465-3

The system is in good condition with the point of diversion located as follows: Well: 1,320 feet W and 1,785 feet S from the NE corner section 28-T94N-R60W (Latitude 42.9328, Longitude -97.93632 -- SE $\frac{1}{4}$ NE $\frac{1}{4}$). The works are capable of diverting and conveying to the place of use 1.56 cu. ft. per second of water which is to be used for irrigation purposes. Water has been put to beneficial use to the maximum extent as follows: **all in section 28-T94N-R60W**

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 20 acres
NW $\frac{1}{4}$ NE $\frac{1}{4}$ 20 acres

SW $\frac{1}{4}$ NE $\frac{1}{4}$ 39 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 38 acres

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 9 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 9 acres

comprising a total of 135 acres of land and the license should be issued for 1.56 cfs.

All structures, wells and lands on map Y

| Comments or other permit(s) associated with the project: **none**



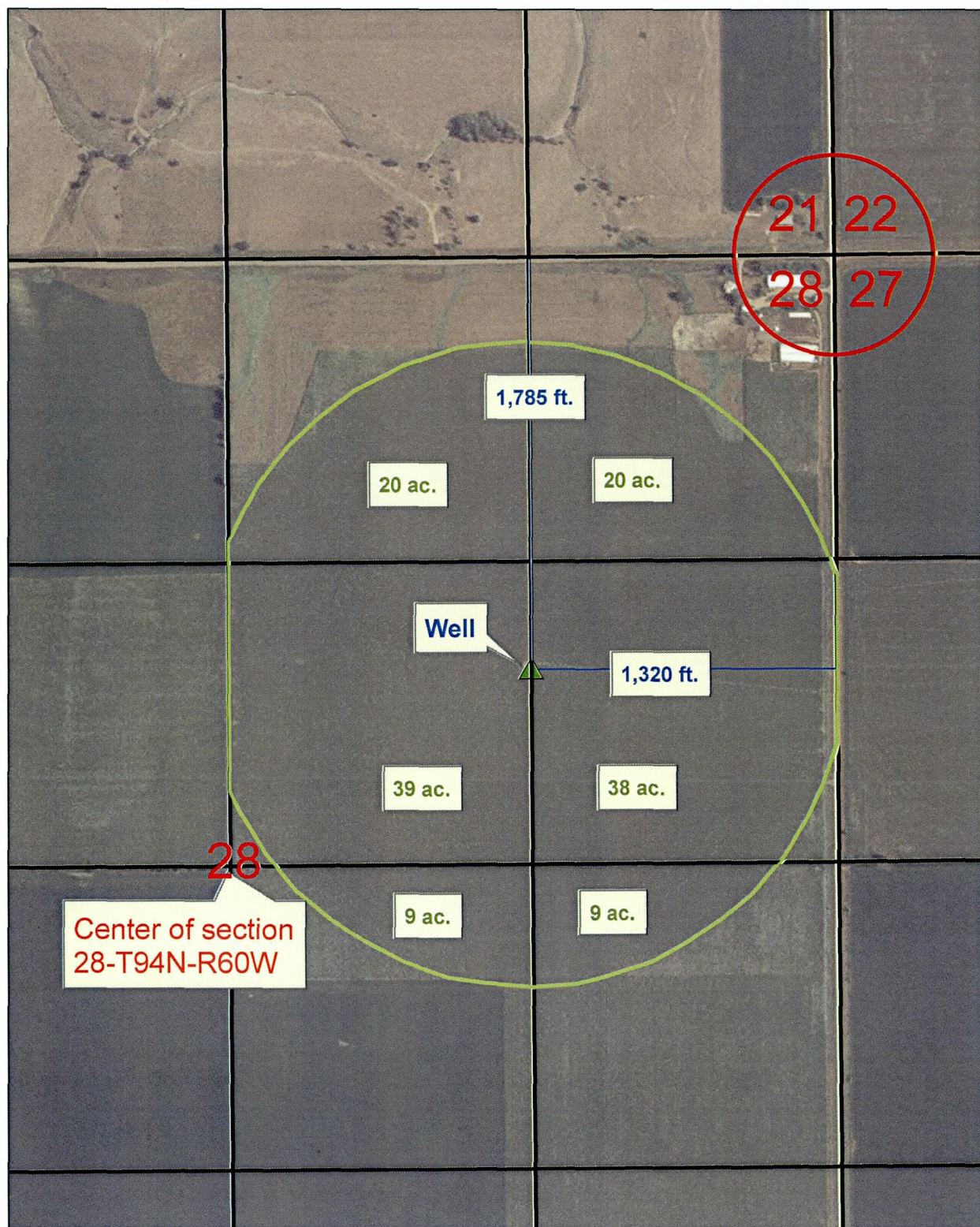
Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

Date report completed: September 25, 2006

Scale: 1 inch equals 655 feet

920

Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by:

Ron Duvall
Ron Duvall, Natural Resources Engineer
Water Rights Program

Diversion point(s) located using GeoExplorer II GPS

Date: Sept 25, 2006

Water Right No. 6465-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOV 01 2006

6465-3

David Ruppelt
30703 413th Ave
Tyndall SD 57066

Dear Mr. Ruppelt:

Enclosed is Water License No. 6465-3. This is the final water right document completing your process of obtaining a Water Right.

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.

Sincerely,

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

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 6465-3

(1) David Ruppelt, 30703 413th Ave, Tyndall SD 57066 made Application No. 6465-3, January 20, 2004 for a water permit to divert 1.56 cubic feet of water per second from groundwater (one well), Bon Homme County, South Dakota for irrigation purposes. Permit No. 6465-3, with a priority date of January 20, 2004 was approved April 19, 2004 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before April 19, 2009 and for the application to beneficial use of water on or before April 19, 2013.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 6465-3 is issued a license, bearing a priority date of January 20, 2004 to appropriate 1.56 cubic feet of water per second from groundwater (one well) to irrigate 135 acres.

The diversion point is located: 1,320 feet west and 1,785 feet south from the northeast corner Section 28-T94N-R60W (SE ¼ NE ¼). The acres authorized for irrigation are as follows:

Section 28-T94N-R60W			
NE ¼ NE ¼	20 acres	NE ¼ SE ¼	9 acres
NW ¼ NE ¼	20 acres	NW ¼ SE ¼	9 acres
SW ¼ NE ¼	39 acres		
SE ¼ NE ¼	38 acres	Total 135 acres	

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6465-3 including the following now applicable qualifications:

- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 6465-3 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.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Garland Erbele

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

NOV 01 2006

date



6465-3

RECEIPT**WATER RIGHTS PROGRAM**

South Dakota Department of Agriculture and Natural Resources

Date January 3, 2023RECEIVED OF Cody Tjeerdsma 41224 309th St., Springfield SD 57062

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	\$ _____
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. _____	\$ _____
Fee for Filing Transfer Form <u>6465-3</u>	<u>\$50.00</u>
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law) TOTAL	<u>\$50.00</u>

By Eric Monlund
Chief Engineer
Em

PAID

JAN 3 2022

NOTICE OF TRANSFER OF OWNERSHIP

For assistance call (605) 773-3352

Ck# 1916
Rec't# _____

Mail to: SD DANR, Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182

RECEIVED

JAN 03 2023

OFFICE OF

WATER

Water Right/Permit No. 6465-3

Date: 12/29/22

I/We request that Water Right/Permit No. 6465-3 formerly owned by:

David Ruppelt

be transferred to:

New Owner Name: Cody Tjeerdsma

Address: 41224 309th St. mobile: 605-464-0223

City, State, Zip Springfield, SD 57062 email: _____

Title to the following described land(s)/property has been transferred as described above:

on 2nd page

☒ I understand that the validity of Water Right/Permit No. 6465-3 has not been determined by this transfer action. If I have any questions on validity, I understand that only the Water Management Board has the authority to determine if a water right/permit is valid (see note below).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Fifty Dollars (\$50.00) is included to cover the filing fee as required by SDCL 46-2-13.

I, Cody Tjeerdsma, the new owner, certify that the above information is true and correct.

Cody Tjeerdsma
(signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five-year construction period has expired. Once a water permit is developed, an inspection is conducted to issue a water right license for the project as developed. A water permit/right may be cancelled for one or more of the following reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three-year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

Parcel 1: Northeast Quarter (NE1/4) of Section Twenty-Eight (28) in Township Ninety-Four (94) North of Range Sixty (60) West of the Fifth P.M., in Bon Homme County, South Dakota, excepting David's Addition & further excepting highway

Parcel 2: Southeast Quarter (SE1/4) of Section Twenty-Eight (28) in Township Ninety-Four (94) North of Range Sixty (60) West of the Fifth P.M., in Bon Homme County, South Dakota, excepting Tract 1 of Ruppelt's Addition

Parcel 3: East Half of the East Half of the Southwest Quarter (E1/2E1/2SW1/4) of Section Twenty-Eight (28) in Township Ninety-Four (94) North of Range Sixty (60) West of the Fifth P.M., in Bon Homme County, South Dakota

I Cody Tjeerdsma, the new owner, certify that the above information is true and correct.

Cody Tjeerdsma

I Darla Tjeerdsma, the new owner, certify that the above information is true and correct.

Darla Tjeerdsma

I Virgil Tjeerdsma, the new owner, certify that the above information is true and correct.

Virgil Tjeerdsma

I Susan Tjeerdsma, the new owner, certify that the above information is true and correct.

Susan Tjeerdsma



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

February 7, 2023

6465-3
6902-3
6903-3

Cody Tjeerdsma
41224 309th St
Springfield SD 57062

Dear Mr. Tjeerdsma:

Thank you for following up on the ownership changes for Water Right Nos. 6465-3, 6902-3 and 6903-3.

The ownership changes have been completed. The water rights formerly held by David Ruppelt are now listed in your name.

Enclosed are receipts for the filing fees you paid. If you have any questions, please let me know.

Sincerely,

Genny McMath
Water Rights Program
605 773-3352
Genny.mcmath@state.sd.us

enclosures