

WATER PERMIT NO. 6518-3

Name of Applicant: **Bowdle Golf Club**

Address: **Box 60, Bowdle SD 57428**

Phone: **605 285-6133**

Amount of Water Claimed: **0.67 cfs**

Total Acres: **40 acres**

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

Water to be used for: **irrigation**

County: **Edmunds**

Type of Waste Disposal System:

Location: **½ north of Bowdle**

PRIORITY Date Received: **6-16-04**

Application/License Fee: **\$200**

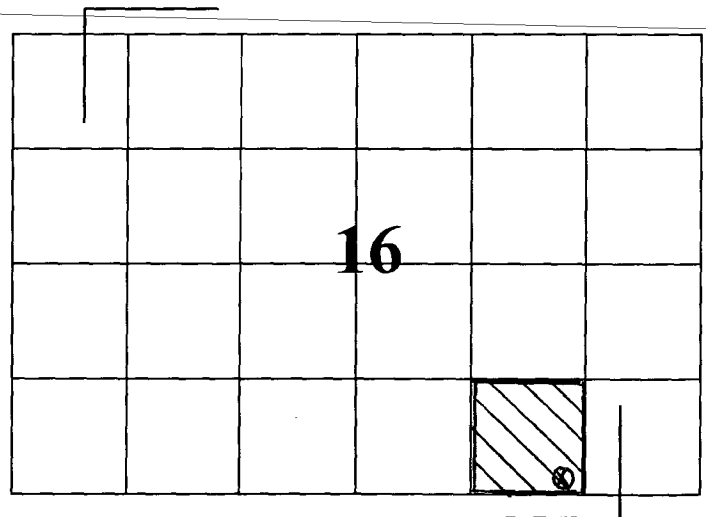
Corrected Application Received: **6-23-04**

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

Remarks:

Diversion Point: **SE ¼ SE ¼ Sec 16-T123N-R73W**

Land to be Irrigated: **SE ¼ SE ¼ Sec 16-T123N-R73W**



Depth of Well: **85 feet deep**

Well Driller: : **K & K Well Drilling**

Remarks:

Type of Map: **plat**

Prepared by: **Gary Bosardo, Edmunds Co. FSA**

Reviewed and the Number Assigned on: **6-23-04**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

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

RECEIVED

JUN 16 2004

WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6518-3</u>	(office use only) Hydrologic Unit <u>10130106</u>
	Basin <u>Missouri River</u>	
	Newspaper <u>Bowdle Pioneer, Bowdle</u>	

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 Bowdle Golf Club Phone 605-285-6133
(check one) ☒ Owner ☐ Tenant/lessee
- Mailing Address Box 60 Bowdle State SD 57428
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0.67 *CFS or 300 **GPM ***AF Total Acreage 40
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable
- Source of water supply Well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Edmunds
1 well S.E. quarter of the SE Quarter
16-123-73 (SE1/4 SE1/4)
- County or counties where water will be used Edmunds
- Annual period during which water is to be used April through Sept. 30
- List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
SE1/4 SE1/4 16-123-73	40		

- Give a description of the project. (Attach sheet if more space is needed)
Water fairways and greens on a 9 hole golf course

STATE OF SOUTH DAKOTA) SS
County of Edmunds

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, Bradley Johnson, 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 Bradley Johnson

Subscribed and sworn to before me this 15 day of June 2004

Carla Knecht
Notary Public signature

Carla Knecht
Notary Public SD
Commission Expires 8-22-04

**SOUTH DAKOTA
WATER PERMIT NO. 6518-3**

Date of first receipt of application June 16, 2004.

Date of return to applicant for corrections, amendments or changes June 16, 2004.

Date of receipt of corrected application June 23, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6518-3 to Bowdle Golf Club, Box 60, Bowdle SD 57428 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. 6518-3 appropriates 0.67 cubic feet of water per second from one well (Bowdle:Edmunds or Pleistocene Unknown Aquifer) located in the SE ¼ SE ¼ Section 16 to irrigate portions of 40 acres located in the SE ¼ SE ¼ Section 16; all in T123N-R73W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1- September 30.
3. The date from which applicant may claim right is June 16, 2004.
4. The date of approval of Permit No. 6518-3 is July 19, 2004.
5. One-fifth of the construction is to be completed on or before January 19, 2007.
6. All construction is to be completed on or before July 19, 2009.
7. Water is to be put to beneficial use on or before July 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

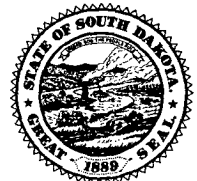
1. The well authorized by Permit No. 6518-3 shall be constructed into a single water source, either the Bowdle:Edmunds Aquifer or Pleistocene Unknown, but not both. At the time of licensing, the final water right will be issued for the developed water source.
2. The well approved under this Permit will 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.
3. The well authorized by Permit No. 6518-3 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.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year

WATER MANAGEMENT BOARD

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

JUL 27 2004

date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 26 Depth 86'
- b) Casing Type Plastic Diameter 12" Thickness 3/4"
- c) Screen Type Plastic Diameter 12" Thickness 3/4"
- d) Gravel Pack Yes Length of Gravel Pack 12'
- e) Depth to Top of Water Bearing Material 76'
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:

On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

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

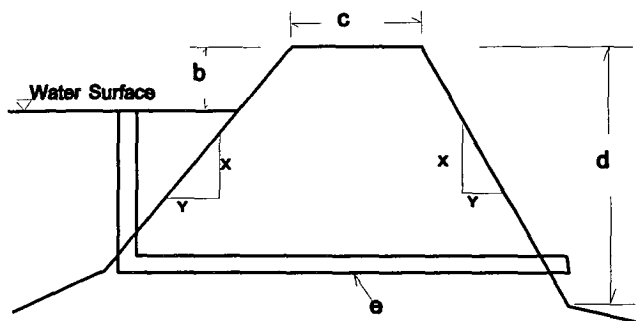
3. Dugout Information

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

4. Water Storage Dams

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

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



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

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date June 16, 2004

RECEIVED OF Bowdle Golf Club, PO Box 60, Bowdle SD 57428

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

Fee for Application for Permit No. <u>6518-3</u> to Appropriate Water, to construct and to put water to beneficial use	150	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>6518-3</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	200.00

No.

004343

By

Darland Ebele

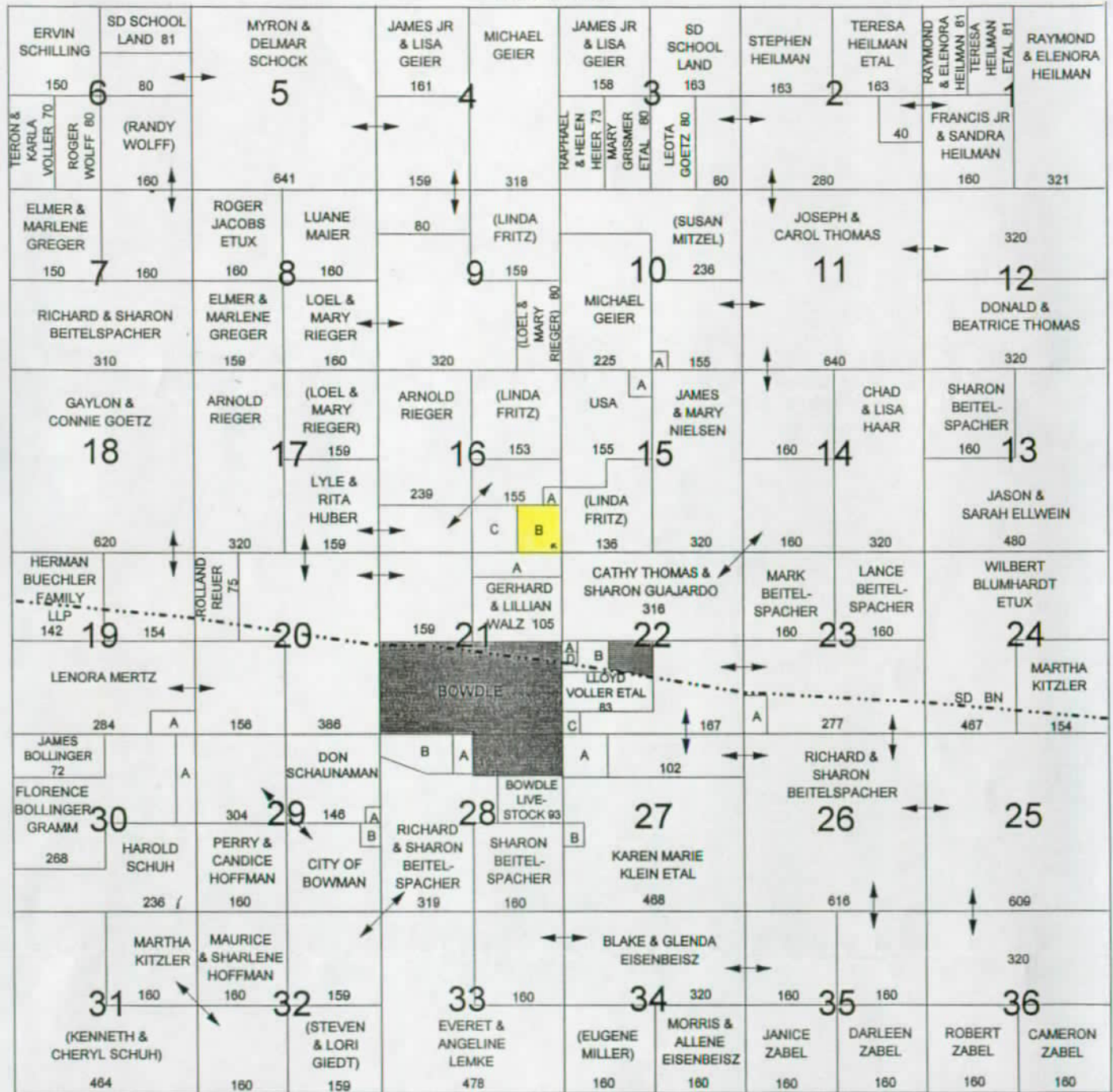
Chief Engineer

T-123-N

BOWDLE PLAT

CODE: AC

R-73W



ET

SMALL TRACT OWNERS

KH

- 10-A MELVIN MALSAM - 5 ACRES
- 15-A LOEL & MARY RIEGER - 14 ACRES
- 16-A REDEEMER EVANG LUTHERAN CHURCH - 4 ACRES
- 16-B BOWDLE MUNIC GOLF COURSE - 37 ACRES
- 16-C SD SCHOOL LAND - 40 ACRES
- 19-A GERALD & CARRIE BEADLE - 19 ACRES
- 21-A QUENTIN & MARCELLA WALZ - 39 ACRES
- 22-A JACKIE & RUBY ALDINGER - 1 ACRE
- 22-B TODD & JANEL BRANDT - 38 ACRES
- 22-C RAYMOND & MONA KENNEDY - 8 ACRES

- 22-D WILMAR & WILMA BOSCHKE - 3 ACRES
- 23-A USA - 18 ACRES
- 27-A DAVID & MOLLY WURTZ - 33 ACRES
- 27-B ALVIN SCHMIERER ETUX - 10 ACRES
- 28-A LAUREN & KIMBERLY OSTER - 1 ACRE
- 28-B DOROTHY OSTER - 27 ACRES
- 29-A HOFFMAN BROTHERS - 1 ACRE
- 29-B NOEL & JANICE BELCHER - 11 ACRES
- 30-A GALEN HOFFMAN TRUST - 39 ACRES

EDMUND COUNTY

COPYRIGHT 2003 GREAT PLAINS DIRECTORY SERVICE

6-18-04 Farm Service Agency -20-
DATE TITLE USDA

6518-3

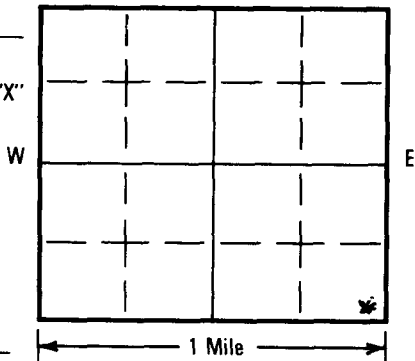
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE 1/4 SE 1/4 Sec 16 Twp 123 Rg 73
County Edmunds

Edmunds

Please mark well location with an "X"



Well Completion Date

6/6/04

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 200 ft. from pond (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>days 200</u> LB/FT	<u>4</u> IN	<u>1</u> FT	<u>85</u> FT	<u>8</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>great cement</u>	<u>3</u>	<u>10</u> lb./gal	<u>1</u> ft	<u>20</u> ft
<u>benfonite</u>	<u>3</u>	<u>10</u> lb./gal	<u>20</u> ft	<u>50</u> ft

Describe grouting procedure pumped into annulus

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter 4 IN Length 20 FEET

Material _____

Slot Size 14 Set From 65 Feet to 85 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: Hyflex

☐ NO, Why Not? _____

Laboratory sent to for water quality analysis

MVTL

Well Owner: Bowdle County Club

Business Name: _____

Address: Bowdle, S.D.

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>clay - brown</u>	<u>0</u>	<u>15</u>
<u>clay - gray</u>	<u>15</u>	<u>20</u>
<u>gravel - coarse</u>	<u>20</u>	<u>35</u>
<u>clay - gray</u>	<u>35</u>	<u>68</u>
<u>sand + gravel coarse</u>	<u>68</u>	<u>81</u>
<u>clay fill</u>	<u>81</u>	<u>85</u>

STATIC WATER LEVEL 30 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 developed 806 gpm
☐ Bailed _____
☒ Other air _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

JUN 23 2004

WATER RIGHTS PROGRAM

This well was drilled under license # 432

And this report is true and accurate.

Drilling firm R+K Well Drilling

Signature of License Representative:

Tony Kemmer

Signature of Well Owner or Equitable Property Holder:

Bowdle

Date: 6/22/04



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 16, 2004

RECEIVED
JUN 23 2004
WATER RIGHTS
PROGRAM

Bowdle Golf Club
Bradley Johnson
Box 60
Bowdle SD 57428

Dear Mr. Johnson:

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

- Enclosed is the map submitted with the application. Please mark the location of the well with an "X". 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. local NRCS office).
- Please 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

Karen Schlaak
Water Rights Program
605 773-3352

enclosure

6-22-04

*Karen,
Hopefully this is all the
additional info you need.*

*Peggy Birchen
Treasurer
800-287-6404*



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 30, 2004

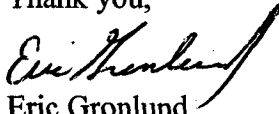
Bowdle Golf Club
% Bradley Johnson
Box 60
Bowdle SD 57428

Dear Mr. Johnson,

Enclosed please find a copy of the recommendation of the Chief Engineer and a copy of the report on the application that you sent to us.

A copy of the notice was sent to you on June 24, 2004.

Thank you,


Eric Gronlund
Water Rights
(605) 773-3352

REPORT ON WATER PERMIT APPLICATION NO. 6518-3
For Bowdle Golf Course
June 28, 2004

Application No. 6518-3 proposes to appropriate 0.67 cfs (300 gpm) from one well approximately 81 feet located in the SE ¼ SE ¼ of section 26 to irrigate portions of 40 acres located in the SE ¼ SE ¼ of section 16; all in T123N R73W in Edmunds County. The applicant is requesting a diversion rate greater than the statutory limit of one cfs per 70 acres.

AQUIFER – PLEISTOCENE UNKNOWN (PS-U), BOWDLE EDMUNDS (B-E)

The Bowdle Edmunds is a surficial outwash (sand and gravel) that is under predominantly water table conditions in Edmunds County. The aquifer extends into Walworth County to the west and ground water movement is from north to south (Kume, 1987). The aquifer underlies 36,000 acres and contains an estimated 108,000 acre feet of recoverable water in storage in Edmunds County (Hedges, 1982). The county study for Edmunds County describes the aquifer in this area as “other aquifers” and in general part of a large undifferentiated system of aquifers (Hamilton, 1982). A study for the City of Bowdle described a lower buried outwash (Rukstad, 1964) which matches with the test well log filed with this application. This log indicates an upper sand and gravel (from 20 to 35 feet) which matches the Bowdle aquifer and lower sand (from 68 to 81 feet) which matches the lower buried outwash described in the city study. From all appearances the lower buried outwash may be a distinct source of water. This would be the Pleistocene Unknown aquifer. However, the data also suggests that if the lower buried outwash is distinct from the Bowdle aquifer then it may not be a dependable source of water. The Pleistocene Unknown aquifer would be an outwash (sand and gravel) that is buried and under artesian conditions. No estimate is available for the amount of water in storage for this aquifer. For purposes of this report the lower buried outwash at this location was not considered part of the Bowdle Edmunds aquifer.

The Water Rights Program monitors an observation well ED-75B completed into the Bowdle Edmunds aquifer and located about two miles south of this application. Water levels for this well 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). A hydrograph for observation well ED-75B is included with this report. No water level information is available for the Pleistocene unknown aquifer.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are no nearby water rights/permits that should be affected by this application. The nearest permitted users from this water source are located about one mile to the south. Until testing is completed that shows something different it seems unlikely that a well at this site will produce the amount of water requested. The aquifer simply does not appear

to be of sufficient size and thickness to sustain the yield requested. However, there does not appear to be any adverse consequences to this request. Interference is not expected to be a concern.

CONCLUSIONS

1. Water is available from the Pleistocene unknown aquifer.
2. Interference is not expected to be a problem.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. This application requests a diversion rate greater than one cfs per 70 acres. The water is for irrigation of a golf course and the need for the greater rate is certainly reasonable but no justification is provided with the application.
5. This aquifer does not appear to be widespread and may not be capable of sustaining 300 gpm on a continuous basis. When the production well is completed it can be tested to determine the sustained yield of this aquifer.

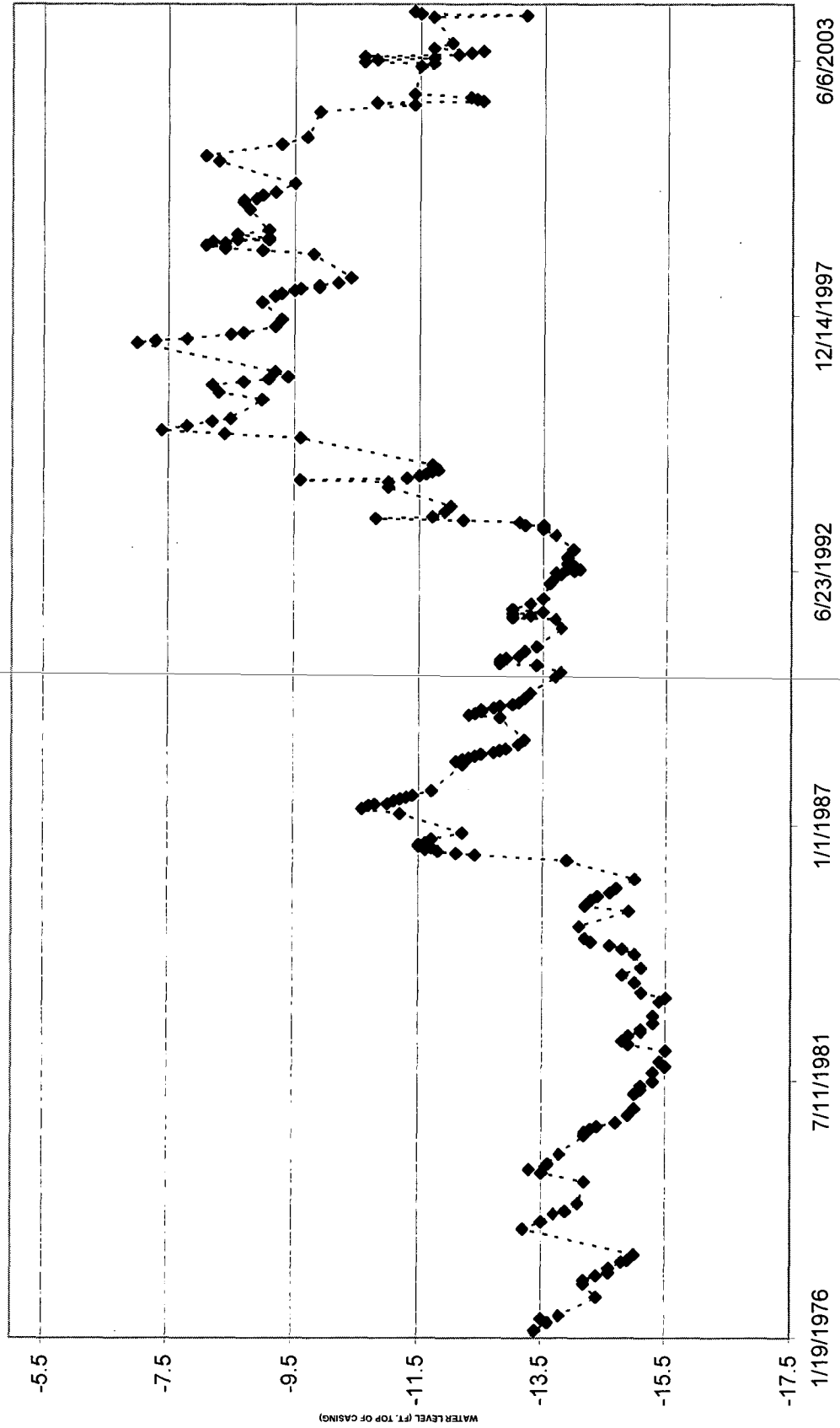


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Hamilton, L.J., 1982, Geology and Water Resources of McPherson, Edmunds, and Faulk Counties, South Dakota, Part II Water Resources, Bulletin, 22, SDGS, Vermillion, SD, 57069.
- Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Kume, J., L. Howells, 1987, Water Resources of Walworth County, South Dakota, Water Resources Investigations Report 85-4015, USGS, Huron, SD, 57350.
- Rukstad, L.R., L.S. Hedges, 1964, Ground Water Supply for the City of Bowdle, Special Report 30, SDGS, Vermillion, SD, 57069.
- Water Rights, 2004, Unpublished Observation Well Records for Edmunds County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
ED-75B





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

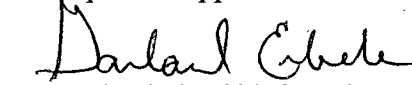
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6518-3, Bowdle Golf Course**

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. 6518-3, Bowdle Golf Course, c/o Bradley Johnson, Box 60, Bowdle SD 57428.

The Chief Engineer is recommending APPROVAL of Application No. 6518-3 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 authorized by Permit No. 6518-3 shall be constructed into a single water source, either the Bowdle-Edmunds Aquifer or Pleistocene Unknown, but not both. At the time of licensing, the final water right will be issued for the developed water source.
2. 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.
3. The well authorized by Permit No. 6518-3 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.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year

See report on application for additional information.


Garland Erbele, Chief Engineer
June 30, 2004

NOTE: Based on the test hole report submitted with the application, it appears the Golf Club intends to develop into the Pleistocene unknown aquifer at a depth of 85 feet. The aquifer which is unmapped does not appear to be widespread and may not be produce and sustain the requested 300 gpm on a continuous basis.

AFFIDAVIT OF PUBLICATION

State of South Dakota
County of Edmunds

Mary Lou Gauer, being first duly sworn, on her oath, says that: The Bowdle Pioneer is a weekly legal newspaper, as defined in SDCL 17-2-2.1 through 17-2-2.4 inclusive, published in said county and state, and has been such legal newspaper during the time hereinafter mentioned below, and that I, the undersigned, have personal knowledge of the facts stated in this affidavit, and that the notice, order, or advertisement (a printed copy of which is attached) was published in said newspaper for (2) issues, bearing the following dates:

Thursday, July 01, 2004
Thursday, July 08, 2004
(Second Publication Corrected Version)

That the full amount of the fee charged for publishing the same is the sum of \$ 43.10, which is the legal rate for such publication.

Mary Lou Gauer
(Publisher)

PUBLIC NOTICE

NOTICE OF APPLICATION NO. 6518-3

TO APPROPRIATE WATER

NOTICE IS GIVEN That Bowdle Golf Club, c/o Bradley Johnson, Box 60, Bowdle, SD 57428 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well (Bowdle Edmunds Aquifer) 85 feet deep located in the SE1/4SE 1/4 Section 16 to irrigate portions of 40 acres located in the SE 1/4SE1/4 Section 16; all in T123N-R73W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6518-3 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 July 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

Published: 07/01/04 & 07/08/04

PUBLIC NOTICE

NOTICE OF APPLICATION NO. 6518-3

TO APPROPRIATE WATER

NOTICE IS GIVEN That Bowdle Golf Club, c/o Bradley Johnson, Box 60, Bowdle, SD 57428 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well (Bowdle Edmunds or Pleistocene Unknown Aquifer) 85 feet deep located in the SE1/4SE1/4 Section 16 to irrigate portions of 40 acres located in the SE1/4SE1/4 Section 16; all in T123N-R73W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

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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 July 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

Published: 07/01/04 & 07/08/04

Correct
notice



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JUL - 9 2004
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PROGRAM

Instruction to Newspaper - Publish first Notice on July 1, 2004 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6518-3 to Appropriate Water

Notice is given that Bowdle Golf Club, c/o Bradley Johnson Box 60, Bowdle SD 57428 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well (Bowdle:Edmunds Aquifer) 85 feet deep located in the SE ¼ SE ¼ Section 16 to irrigate portions of 40 acres located in the SE ¼ SE ¼ Section 16; all in T123N-R73W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres. *or Provenience Unknown*

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6518-3 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 July 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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 24, 2004

Bowdle Pioneer
PO Box 368
Bowdle SD 57428-0368

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6518-3 to Appropriate Water to be published twice. Please publish the first notice on July 1, 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 Bowdle Golf Club, % Bradley Johnson, Box 60, Bowdle SD (Ph # 605-285-6133).

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. 6518-3

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

Date _____

We are in receipt of your letter of June 24, 2004 enclosing Notice of Hearing to Appropriate Water by Application No. 6518-3 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

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

June 24, 2004

Bowdle Golf Club
% Bradley Johnson
Box 60
Bowdle SD 57428

Dear Mr. Johnson:

Water Permit Application No. 6518-3 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 Bowdle Pioneer printed at Bowdle, SD (Ph # 605-285-6101). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice is enclosed. A copy of the recommendation of the Chief Engineer and a report on the application will be sent to you in the near future. 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. 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

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

JUL 27 2004

Bowdle Golf Club
% Bradley Johnson
Box 60
Bowdle SD 57428

Dear Mr. Johnson:

Enclosed is Water Permit No. 6518-3 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



6518-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 13, 2005

Bowdle Golf Club
Bradley Johnson
PO Box 60
Bowdle SD 57428

Dear Mr. Johnson:

I am writing in regard to well driller's reports filed by K & K Well Drilling. The reports indicate that one well was drilled in June of last year with an additional three wells drilled in August. A review of our files shows that Bowdle Golf Club holds Water Permit No. 6518-3 for 300 gallons per minute (gpm) from one well to irrigate portions of the golf course.

South Dakota Codified Law 46-5-13.1 provides that a point of diversion (well) may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the Chief Engineer makes a finding that the change does not increase the potential for interference with existing diversions.

Mr. Johnson, does the peak diversion rate from the four wells exceed 300 gpm? If so, a new permit application will be required for the additional diversion rate above 300 gpm. If not, please send a letter to request authorization of the additional wells for Water Permit No. 6518-3.

If you have any questions, please contact Eric Gronlund or me. We will be happy to assist you in any way possible.

Sincerely,

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

07-92

Well Owner: Bowdle County Club.
Business Name: _____
Address: _____

Well Completion Date

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 150 ft. from dry stack (identify source).

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

Reverse

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
655 LB/FT	10 IN	1 FT	25 FT	24 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Concrete</u>	<u>14</u>	<u>9</u> lb./gal	<u>4</u> ft.	<u>14</u> ft.
_____	_____	_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure

SCREEN: ☒ Perforated pipe ☒ Manufactured
Diameter 10 IN Length 12 FEET
Material PVC
Slot Size 50 Set From 35 Feet to 22 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?

X YES, How: change proposed in

NO, Why Not?

laboratory sent to for water
quality analysis

DEPTH

FROM

TO

RECEIVED

FEB 25 2005

~~WATER RIGHTS~~
~~PROGRAM~~

STATIC WATER LEVEL 10 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

☒ Pumped Describe: _____

☐ Barled _____

☐ Other _____

Pumping Level Below Land Surface

17 ft. After 1 Hrs. pumped 90 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well was drilled under license #

And this report is true and accurate.

Drilling firm Rockwell Drilling

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 9/14/04

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

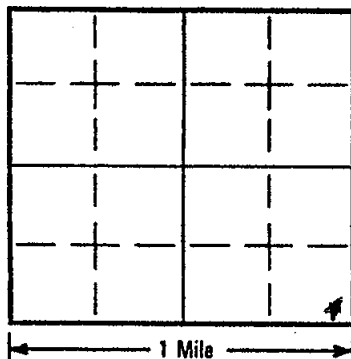
Location SE 1/4 SE 1/4 Sec 16 Twp 123 Rg 23
County Edmonds North

Please mark well location with an "X"

W

E

Well Completion Date

9/14/04

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 150' ft. from slough (dry) (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

reverse rotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>16.85</u> LB/FT	<u>16</u> IN	<u>1</u> FT	<u>30</u> FT	<u>24</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>10</u>	<u>9</u> lb./gal	<u>3</u> ft	<u>11</u> ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure mixed and pumped into holeSCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 16 IN Length 10 FEETMaterial PVCSlot Size 50 Set From 20 Feet to 30 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 pump in

laboratory sent to for water quality analysis

_____ NO, Why Not? _____

AMT & Co. Lab.Well Owner: Bowdle Country Club

Business Name: _____

Address: _____

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>clay - olive - rocky</u>	<u>0</u>	<u>11</u>
<u>sand + gravel - angular rocky</u>	<u>11</u>	<u>22</u>
<u>sand + gravel smooth coarse</u>	<u>22</u>	<u>30</u>
<u>clay til - gray rocky</u>	<u>30</u>	<u>76</u>
<u>sand - coarse - dirty</u>	<u>76</u>	<u>84</u>
RECENT		
FEB 25		
WATER RPT		
PROCESS		

STATIC WATER LEVEL 10 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: 100 GPM pump
☐ Bailed _____
☐ Other _____

Pumping Level Below Land Surface

20 ft. After 10 Hrs. pumped 100 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

CASE WELLThis well was drilled under license # 432

And this report is true and accurate.

Drilling firm Rock Well Drilling

Signature of License Representative:

Teddy Korman

Signature of Well Owner or Equitable Property Holder:

Date: 9/14/04

6518-3

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

Date May 4, 2006

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

FROM: Bowdle Golf Club
(name)
PO Box 60
(address)
Bowdle SD 57428 605-285-6500
(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. 6518-3 states that the water use system is to be constructed by
January 19, 2009, and water is to be put to beneficial use by July 19, 2013.
(date) (date)

The water use system was completed on September 2004.
(date)

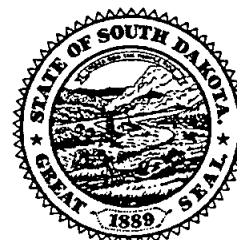
Applying the water to beneficial use was completed on April 2005.
(date)

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


(signature)

7-98

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MAY - 5 2006
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Permit No. 6518-3
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, **October 10, 2006**, made a thorough examination of the water use system constructed by **Bowdle Golf Course** of **P O Box 60, Bowdle , SD 57428** holder of Permit No. **6518-3**, bearing the priority of **June 16, 2004** authorizing the diversion of **0.67** cu. ft. per second of the waters of **Pleistocene Unknown Aquifer or the Bowdle:Edmunds Aquifer** for **Irrigation** purposes, in **Edmunds** County.

Inspection contact & relationship **Brad Johnson**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **K & K Well Drilling**
- 2) No. of Wells **4**
- 3) Depth(s) (feet)

Well 1: 30

Well 2: 33

Well 3: 35

Well 4: 85

- 4) Well log is available **Y**

Casing:

- 1) Diameter (inches)

Well 1: 16

Well 2: 10

Well 3: 10

Well 4: 4

- 2) Length (feet)

Well 1: 30

Well 2: 33

Well 3: 35

Well 4: 85

3) Type **Plastic**

Screen:

1) Type **Perforated**

2) Length (feet)

Well 1: 10

Well 2: 13

Well 3: 13

Well 4: 20

3) Static water level (feet)

Well 1: 10

Well 2: 8

Well 3: 10

Well 4: 30

Pump:

1) Make **J-Line Submersibles**

2) Model **Unknown**

3) Size (hp)

Well 1: 15

Well 2: 10

Well 3: 10

Well 4: Well is capped. No pump installed.

4) Capacity (GPM)

Well 1: 140

Well 2: 80

Well 3: 80

B. Works used to apply water to beneficial use:

Series of waterlines and sprinkler system.

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 Y
- 3) Exceptions to compliance are: None

The system is in Good condition with the point(s) of diversion located as follows:

Well 1: Approximately 365 feet north and 345 feet west of the SE corner of Section 16-T123N-R73W (N 45.46397, W -99.64817) (SE ¼ SE ¼)

Well 2: Approximately 370 feet north and 470 feet west of the SE corner of Section 16-T123N-R73W (N 45.46397, W -99.64862) (SE ¼ SE ¼)

Well 3: Approximately 370 feet north and 525 feet west of the SE corner of Section 16-T123N-R73W (N 45.46397, W -99.64888) (SE ¼ SE ¼)

Well 4: Approximately 200 feet from the pond in the SE corner of Section 16-T123N-R73W (SE ¼ SE ¼)

The works are capable of diverting and conveying to the place of use 0.67 cu. ft. per second of water which is to be used for Irrigation of the Golf Course.

Water has been put to beneficial use to the maximum extent as follows:

Section 16-T123N-R73W

NW ¼ SE ¼ - 1 acre

NE ¼ SE ¼ - 1 acre

SW ¼ SE ¼ - 6 acres

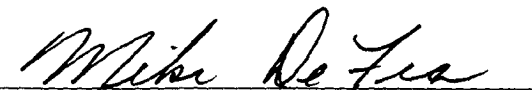
SE ¼ SE ¼ - 18 acres

comprising a total of 26 acres of land and the license should be issued for 0.67 cfs.

All structures, wells and lands on map Y

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

Originally, Water Permit No. 6518-3 was authorized to appropriate 0.67 cfs of water from one well constructed into either the Bowdle:Edmunds aquifer or the Pleistocene Unknown aquifer but not both. Wells 1, 2 and 3 are constructed into the Bowdle:Edmunds aquifer and are used to irrigate the golf course. Well 4 is capped and was constructed to be a back-up well and does not have a pump installed. This well is constructed into the Pleistocene Unknown aquifer and should not be authorized by this permit to irrigate the golf course. To use this well for irrigation of the golf course, a new permit must be applied for, and approved.

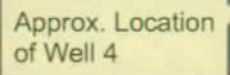


Mike DeFea

Natural Resources Project Engineer
DENR, Water Rights Program

Date report completed: January 10, 2008

Water Permit No. 6518-3



0 340 680 1,360 2,040 2,720 Feet

Approval of Additional Diversion Point

NAME: Bowdle Golf Course

ADDRESS: PO Box 60, Bowdle, SD 57428 **TELEPHONE:** Brad Johnson (285-6500)

DATE: January 10, 2008

COUNTY: Edmunds

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

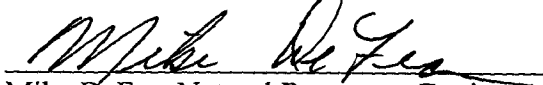
Originally, Water Permit No. 6518-3 was authorized to appropriate 0.67 cfs of water from one well constructed into either the Bowdle:Edmunds aquifer or the Pleistocene Unknown aquifer but not both. At the time of the licensing inspection, four wells had been constructed. According to the well logs submitted by the well driller, three wells are constructed into the Bowdle:Edmunds aquifer and there is a fourth capped well constructed to be a back-up well and does not have a pump installed into the Pleistocene Unknown aquifer. This well should not be authorized by this permit to irrigate the golf course. To use this well for irrigation of the golf course, a new permit must be applied for, and approved. No additional water is being appropriated and the two additional wells constructed into the Bowdle:Edmunds aquifer are within 175 feet of each other.

- **Review of Existing Diversions**

There are no nearby water rights/permits in the area that should be affected by the additional diversion points.

RECOMMENDED ACTION

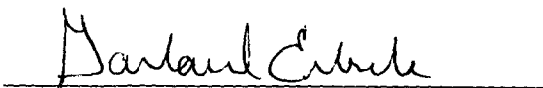
Based on the above criteria, it is recommended that the diversion point(s) be licensed as developed.



Mike DeFea, Natural Resources Engineer
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



Garland Erbele, Chief Engineer
Water Rights Program

Licensing of Acreage Outside of Permitted Area

NAME: Bowdle Golf Course

ADDRESS: PO Box 60, Bowdle, SD 57428

DATE: January 10, 2008 **COUNTY:** Edmunds **TELEPHONE:** Brad Johnson (285-6500)

AUTHORITY

Pursuant to SDCL 46-5-30.5, acreage developed for irrigation outside of the area described on the permit may be licensed provided the following conditions are met:

NO INCREASE IN PERMITTED ACREAGE OR WATER APPROPRIATED:

The acreage developed for irrigation is 26 acres as compared to 40 acres authorized by the permit. Licensing of the permit will not result in either an increase in the amount of water appropriated or permitted acreage.

UNPERMITTED ACREAGE:

- **Contiguous to Permitted Acreage**

Water Permit No. 6518-3 authorizes the irrigation of 40 acres in the SE ¼ SE ¼ Section 16-T123N-R73W. The inspection of the permit showed that eight total acres in the NW ¼, NE ¼, and SW ¼: all in the SE ¼ Section 16 were being irrigated. The acreage is contiguous to the permitted acreage, owned by the same property owner, and developed as part of the original irrigation project.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the 8 acre area be included in the water license.


Mike DeFea
Natural Resources Project Engineer
DENR, Water Rights Program

The Chief Engineer makes a finding pursuant to SDCL 46-5-30.5 that:

This acreage change does not impair existing water rights and the overall project, as developed, is consistent with the original application. Licensing of the non-permitted acreage may occur without application or publication pursuant to SDCL 46-2A-4.


Garland Erbele, Chief Engineer
Water Rights Program

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6518-3

(1) Bowdle Golf Course, PO Box 60, Bowdle SD 57428 made Application No. 6518-3, June 16, 2004 for a water permit to divert 0.67 cubic feet of water per second from groundwater (one well), Edmunds County, South Dakota for irrigation purposes. Permit No. 6518-3, with a priority date of June 16, 2004 was approved July 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 July 19, 2009 and for the application to beneficial use of water on or before July 19, 2013.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on May 5, 2006. The *Notice* stated the diversion system was completed in September, 2004 and the water placed to beneficial use in April, 2005.

An investigation conducted for licensing purposes found additional diversion points and the acreage developed for irrigation under Water Permit No. 6518-3 were not in the locations authorized by the permit. Pursuant to SDCL 46-5-13.1 and 46-5-30.5, the Chief Engineer makes a finding that existing water rights will not be impaired and the overall project, as developed, is consistent with the original application.

(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. 6518-3 is issued a license, bearing a priority date of June 16, 2004 to appropriate 0.67 cubic feet of water per second from groundwater (three wells) to irrigate 26 acres.

The diversion points (Bowdle:Edmunds Aquifer) are located as follows:

Well 1: approximately 365 feet north and 345 feet west of the southeast corner;

Well 2: approximately 370 feet north and 470 feet west of the southeast corner;

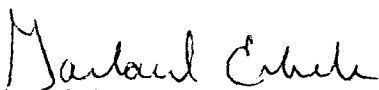
Well 3: approximately 370 feet north and 525 feet west of the southeast corner; all in Section 16-T123N-R73W (SE ¼ SE ¼)

The acres authorized for irrigation are as follows:

Section 16-T123N-R73W	NW ¼ SE ¼	1 acre	NE ¼ SE ¼	1 acre
	SW ¼ SE ¼	6 acres	SE ¼ SE ¼	18 acres
Total 26 acres				

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6518-3 including the following now applicable qualifications:

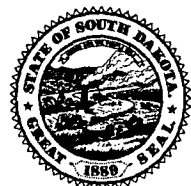
- The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The wells authorized by Permit No. 6518-3 shall be constructed by a licensed well driller and construction 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.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



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

MAY 16 2009

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAY 16 2008

6518-3

Bowdle Golf Course
PO Box 60
Bowdle SD 57428

Dear Sir:

Enclosed is Water License No. 6518-3. This is the final water right document completing your process of obtaining a Water Right. Also, included with your license is a map prepared by the staff engineer who conducted the investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6518-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Sincerely,

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

enclosures