

WATER PERMIT NO. 7226-3

Name of Applicant: Town of Summit

Address: PO Box 751, Summit SD 57266 Phone: 605 398-6906

Amount of Water Claimed: 0.44 cfs Total Acres: NA

Source of Water Supply: groundwater (2 wells)

Water to be used for: municipal County: Roberts

Type of Waste Disposal System:

Location:

PRIORITY Date Received: 11-5-2010

Application/License Fee: \$1050.00

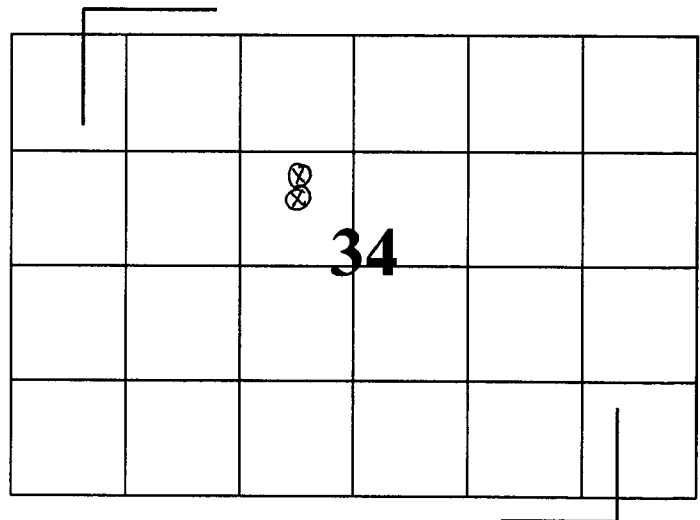
Corrected Application Received: 12-9-2010

Period of Annual Use: Jan 1 – Dec 31

Remarks:

Diversion Point: SE ¼ NW ¼ Sec 34-T122N-
R51W

Land to be Irrigated: NA



Depth of Well: 300 feet deep

Well Driller: Lee Well Drilling

Remarks:

Type of Map: topo

Prepared by: Jay C Koch, PE

Reviewed and the Number Assigned on: 12-9-10

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	(office use only)	
	No. <u>7226-3</u>	Hydrologic Unit <u>0702001</u>
	Basin <u>Minnesota Whetstone</u>	
	Newspaper <u>Sisseton Courier P.O. Box 169</u> <u>605-698-3641</u> <u>Sisseton 57262</u>	

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NOV - 5 2010
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Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

- | | | | |
|---|---|--|--|
| ☒ Municipal | ☐ Suburban Housing | ☐ Recreational | ☐ Institutional |
| ☐ Rural Water System | ☐ Commercial | ☐ Fish & Wildlife | ☐ Geothermal Heat |
| ☐ Domestic (over 18 gpm) | ☐ Industrial | ☐ Other | |

Type of Application: (check one)

- ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

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

- Name of Applicant Town of Summit Phone 605-398-6906
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address PO Box 751 Summit SD 57266
(Address) (City) (State) (Zip Code)
- Amount of water claimed 0.44 *CFS or 200 **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply 4 inch and 8 inch well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Roberts
2 wells located in the NE 1/4 of the (SE 1/4 of the NW 1/4) of Section 34, T122N, R51W in Roberts County, South Dakota. Area is within the Boundaries of the Town of Summit
- County or counties where water will be used Roberts
- Annual period during which water is to be used 365 Days Jan 1 - Dec 31
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)
Water is for the municipal use by the Town of Summit. A new water source was identified in the Facility Planning Documents for the Water System Study submitted to the DENR in January of 2010. The new wells will replace the existing shallow well that is high in iron and manganese. The new wells will be approximately 280 feet in depth. A 4 inch pilot well was constructed in 2009 and well log is attached to this application.

STATE OF SOUTH DAKOTA)

County of Roberts)

SS

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

I, Frank Eccles, President, 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 _____

Subscribed and sworn to before me this 1st day of November 20 10

Notary Public signature _____

SOUTH DAKOTA
WATER PERMIT NO. 7226-3

Date of first receipt of application November 5, 2010.

Date of return to applicant for corrections, amendments or changes November 8, 2010.

Date of receipt of corrected application December 9, 2010.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7226-3 to Town of Summit, PO Box 751, Summit SD 57266 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 7226-3 appropriates 0.44 cubic feet of water per second from two wells to be completed into the Pleistocene Unknown Aquifer (approximately 300 feet deep) located in SE ¼ NW ¼ Section 34-T122N-R51W.
2. The water appropriated shall be used for the purpose of municipal use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 7226-3 is February 14, 2011.
5. The date from which applicant may claim right is November 5, 2010.
6. One-fifth of the construction is to be completed on or before August 14, 2013.
7. All construction is to be completed on or before February 14, 2016.
8. Water is to be put to beneficial use on or before February 14, 2020.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 7226-3 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.

WATER MANAGEMENT BOARD

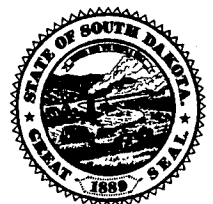
By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program

Department of Environment and Natural Resources

MAR 03 2011

date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 8" Depth 300 feet
- b) Casing Type PVC Diameter 8" Thickness 0.410
- c) Screen Type Stainless Steel Diameter 8" Thickness
- d) Gravel Pack If necessary Length of Gravel Pack 20 feet
- e) Depth to Top of Water Bearing Material 264 feet
- f) Depth to Water (ground surface to water level) 142 feet
- g) Distance to nearest existing domestic well:
- On applicant's property 550 feet On property owned by others 1500 feet

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

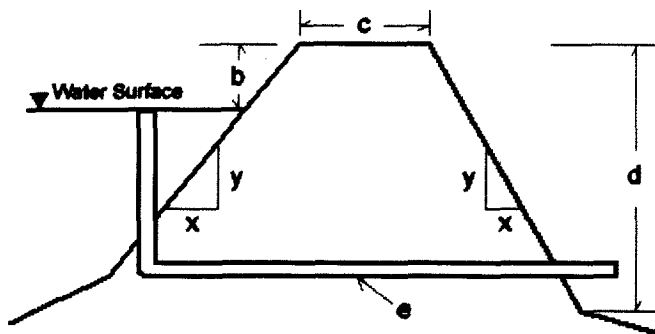
3. Dugout Information

- 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 (e.g. 3 to 1 is a typical slope)
Upstream
Downstream
- h) Surface Area of Impoundment
- i) Storage Acre Feet
- j) Drainage Area Above Dam Acres

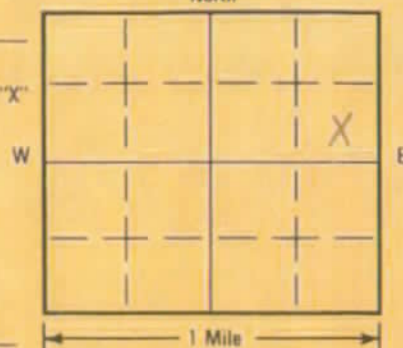
[illegible]WATER RIGHTS
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SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE 1/4 NW 1/4 Sec 34 Twp 122-N Rg S1-W
County Roberts

Please mark well location with an "X"

Summit Township

Well Completion Date

6/19/09

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 250 ft. from sewer line (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Forward RotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>SUR-12</u> LB/FT	<u>5</u> IN	<u>188</u> FT	<u>268</u> FT	<u>9</u> IN
<u>DR-21</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>188</u> FT	<u>9</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Neutrament</u>		<u>15</u> lb./gal	<u>0</u> ft	<u>40</u> ft
<u>Grout</u>		_____ lb./gal	<u>40</u> ft	<u>250</u> ft

Describe grouting procedure Pressure Grout thru tremie pipe

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 4" tel. IN Length 16 FEETMaterial Stainless SteelSlot Size 20 Set From 268 Feet to 284 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: ChlorineNO, Why Not? Solution

Laboratory sent to for water quality analysis

DHIA LabWell Owner: City of SummitBusiness Name: City ClerkAddress: PO Box 791Summit, SD 57266

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
<u>topsoil</u> <u>Dark</u> <u>soft</u>	<u>0</u>	<u>2</u>
<u>clay & gravel</u> <u>Mixed w/rocks</u> <u>hard</u>	<u>2</u>	<u>25</u>
<u>clay</u> <u>Blue</u> <u>med</u>	<u>25</u>	<u>45</u>
<u>clay</u> <u>yellow</u> <u>med</u>	<u>45</u>	<u>58</u>
<u>clay</u> <u>Blue</u> <u>Hard</u>	<u>58</u>	<u>264</u>
<u>Sand</u> <u>Grey, yellowish</u> <u>soft</u>	<u>264</u>	<u>294</u>
<u>clay</u> <u>Blue</u> <u>Med</u>	<u>294</u>	<u>307</u>

STATIC WATER LEVEL 142

Feet

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedDescribe: w/ Air compressor☐ BailedThis is an estimate - No S. Schmidt☐ OtherPumping test conducted -

Pumping Level Below Land Surface

200 ft. After 4 Hrs. pumped 25 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate N/A GPM

REMARKS

See water analysis attachedThis well was drilled under license # 63

And this report is true and accurate.

Drilling firm Lee Well Drilling Inc

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

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David A. Lee

From: Berg, Michael N [Michael.Berg@weatherford.com]
Sent: Friday, July 10, 2009 1:17 PM
To: lwd@runestone.net
Subject: Sieve Analysis
Attachments: att 070109-4 Lee Summit.pdf

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Dave

Attached is the result of the tests we performed on the samples you sent to us. We recommend a 60 slot screen, and to naturally develop the well. Such a design should allow for maximum water from the well and for optimal development.

If you have any questions, please call us at 651-638-3147

Thanks
Mike Berg

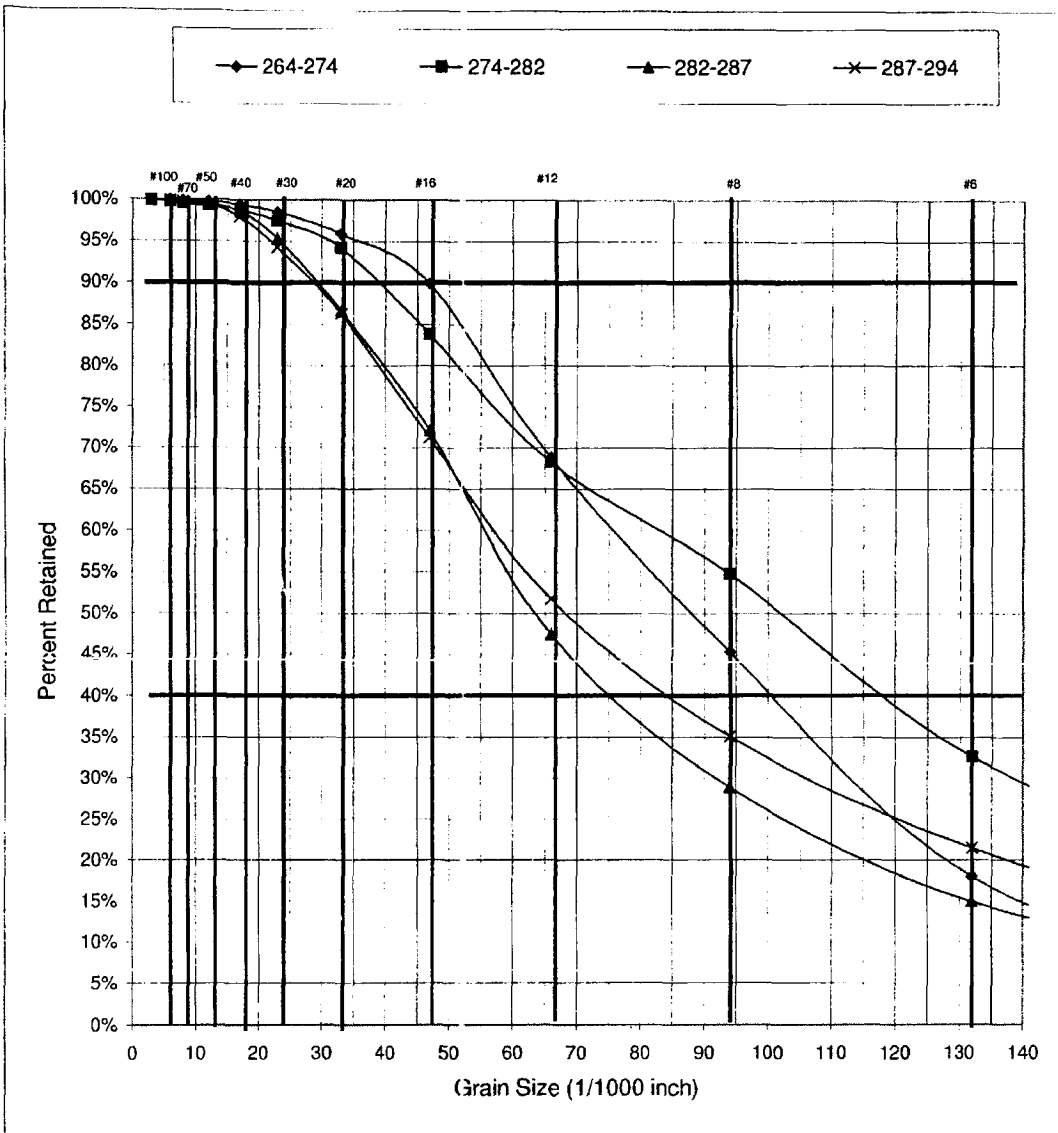
Michael Berg, Sales Engineer
Robinson Screens - A Weatherford Company
950 Old Highway 8
New Brighton, MN 55112
800-833-9473x147
Direct 651-638-3147
Fax 651-638-3171

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CONFIDENTIAL & PRIVILEGED COMMUNICATION

The information contained in this message is privileged, confidential, and protected from disclosure. This message is intended for the individual or entity addressed herein. If you are not the intended recipient, please do not read, copy, use or disclose this communication. Also please notify the sender by replying to this message, and then delete it from your system. The sender totally disclaims, and will not accept, any responsibility or liability for the unauthorized use or the consequences of any unauthorized use, of this communication or message.

7/10/2009



Job Name City of Suimmit
Location
Driller Lee Well Drilling
Engineer

Sample ID 070109-4
Analyzed by: Michael Berg, 651-638-3147
Date: 7/9/2009

Screen ϕ
Depth
Method
Fluid

Casing ϕ
Yield
SWL (ft) 142

Recommended Slot Size 60 slot screer
Recommended Gravel Pack Naturally Developed

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/8, 2010

RECEIVED OF Town of Summit PO Box 751 Summit SD 57266

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

Fee for Application for Permit No. <u>72263</u> to Appropriate Water, to construct and to put water to beneficial use	850	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>72263</u>	200	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	1050 00

No.

04670

By

Shirley Erbe
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 8, 2010

Town of Summit
c/o Frank Eccles, President
PO Box 751
Summit SD 57266

Dear Mr. Eccles:

Thank you for submitting the *Application for a Permit to Appropriate Water* for municipal use by the Town of Summit. In order to complete the application the following is required.

- Enclosed is the map submitted with the application. 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).

Our files indicate the town holds Water Right No. 1739-3 for the shallow well. If you do not plan to use the old well, the old well is considered abandoned. All abandoned wells must be plugged by a licensed well driller. If the old well is not to be abandoned, or will be used, the well must be sealed or capped at the surface. If the town intends to abandon the old well, please let us know and we can schedule Water Right No. 1739-3 for cancellation after the new application has been approved.

If you have any questions, please contact me.

Sincerely,

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

enclosure

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WATER RIGHTS
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221 BROWN CO. HWY. #19
PO BOX 111
ABERDEEN, SD 57402-0111

PHONE (605) 225-1212
TOLL FREE 1-888-378-4394
FAX (605) 225-3189

December 7, 2010

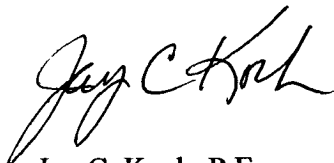
Karen Schlaak
Water Rights Program
SD Department of Environment and Natural Resources
PMB 2020
Joe Foss Building, 523 East Capitol
Pierre, SD 57501-3182

Re: Summit Permit to Appropriate Water
A-4796

Dear Karen,

Please find attached the signed and sealed location map for the new wells for the Town of Summit. The Town intends to utilize the existing well for peak flow periods. Therefore, the existing well will be utilized by the Town and would not be abandoned. The well is equipped with valves and check valves to prevent possible cross contamination. If you have any questions, please feel free to contact our office anytime.

Sincerely,
Helms and Associates



Jay C. Koch, P.E.

Cc. Town of Summit

w/attachment



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7226-3, Town of Summit**

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. 7226-3, Town of Summit, Frank Eccles, President, PO Box 751, Summit SD 57266.

The Chief Engineer is recommending APPROVAL of Application No. 7226-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use, and 4) it is in the public interest with the following qualifications:

1. The wells approved will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 7226-3 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.

See report on application for additional information.

Garland Erbele, Chief Engineer
January 18, 2011

**Report on Water Permit Application No. 7226-3
for Town of Summit
December 10, 2010**

Application No. 7226-3 proposes to appropriate 200 gallons per minute (0.44 cfs) from two wells approximately 300 feet deep located in the SE ¼ NW ¼ of Section 34, T122N R51W in Roberts County. The water is to be used for municipal use by the Town of Summit. The annual period during which water will be used is January 1 through December 31.

AQUIFER: Pleistocene Unknown (PS-U)

This report will address the availability of unappropriated water from the Pleistocene Unknown aquifer.

WATER AVAILABILITY

Aquifer Characteristics:

The aquifer is a buried glacial outwash (sand and gravel) aquifer under confined conditions at this site. The aquifer is not well understood in this area and is not even considered an aquifer but rather an unnamed outwash deposit (Thompson, 2001). Most of the glacial outwash aquifers in this area are not continuous but are discontinuous groups of outwash deposits (Thompson, 2001).

Two well completion reports (appear to be the same) were filed with the application. This well indicates sand and gravel from 264 feet to 294 feet below land surface. The completed well has a static water level of 142 feet below land surface and is capable of producing an estimated 75 gallons per minute. The well appears to be completed in accordance with South Dakota Well Construction Standards.

Observation Well Data:

The nearest observation well is located over four miles east of the application location and is completed into the Big Sioux aquifer. No hydrograph is included in this report.

Review of Existing Water Permits/Rights/Water Use:

The Town of Summit has Water Permit No. 1739-3 with a priority date of 01/01/1936 for a well that is 25 feet deep that is located within one mile of this location. The Coffee Cup Fuel Stop has Water Permit No. 5704-3 with a priority date of 07/15/1992 for a well that is 92 feet deep within one mile of this location. The source of water for both of the nearby permits is the Pleistocene Unknown aquifer.

Conclusions:

1. Water may be available from the Pleistocene Unknown aquifer. The aquifer is under confined conditions at this location. Drawdown may result from pumping. Interference is not expected to be a problem.
2. If the well covered by this Permit depletes the domestic supplies or interferes with prior water rights, restrictions or other arrangements may be required to protect these water supplies.
3. The completed well appears to be constructed in accordance with SD Well Construction Standards. The second well must be completed in accordance with SD Well Construction Standards.
4. The Pleistocene Unknown aquifer is not well known in this area. There are many small unnamed sand and gravel outwash deposits and the quantity of water available is not known.



Hayes Haas
Natural Resources Engineer

Bibliography:

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

Water Rights, 2010, Unpublished Observation Well Records for Roberts County, SD DENR, Division of Water Rights, Pierre, SD, 57501

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FEB - 3 2011

WATER RIGHTS
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Affidavit of Publication

STATE OF SOUTH DAKOTA }
County of Roberts } ss.

Harley E. Deutsch of said county, being first duly sworn, on oath says, that he is publisher of THE SISSETON COURIER, a weekly newspaper printed and published in Sisseton, in said county of Roberts, and has full and personal knowledge of all the facts herein stated; that said newspaper is a legal newspaper and has a bonafide circulation of at least two hundred copies weekly, and has been published within said county for 52 successive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the Notice of Notice Of Application No. 7226-3, a printed copy of which, taken from the paper in which the same was published, is attached to this sheet, and is made a part of this affidavit, was published in said newspaper at least once in each week for two successive weeks, on the day of each week on which said newspaper was regularly published, to-wit:

Jan. 25, 2011; _____;
Feb. 1, 2011; _____;
_____; _____;
_____; _____;
_____; _____;

that the full amount of the fee is charged for publication of said Notice insures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division there has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever and that the fees charged for the publication there of are \$ 38.21

Harley E. Deutsch

Subscribed and sworn to before me this 1st day of

February, A.D., 2011

[Signature]

Notary Public, Roberts County, South Dakota
My commission expires February 3, 2016

NOTICE OF APPLICATION NO. 7226-3 TO APPROPRIATE WATER

Notice is given that Town of Summit, c/o Frank Eccles, President, PO Box 751, Summit SD 57266 has filed an application for a water permit to appropriate 0.44 cubic feet of water per second from two wells to be completed into the Pleistocene Unknown Aquifer (approximately 300 feet deep) located in SE 1/4 NW 1/4 Section 34-T122N-R51W for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7226-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a

written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 14, 2011.

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 twice at the total
approximate cost of \$38.21.

(Jan. 25-Feb. 1 -- 2 wks)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 18, 2011

Sisseton Courier
PO Box 169
Sisseton SD 57262

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7226-3 to Appropriate Water to be published twice. Please publish the first notice on January 25, 2011 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 the Town of Summit, c/o Frank Eccles, PO Box 751, Summit SD 57266 (Ph # 605-398-6906).

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. 7226-3

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

Date _____

We are in receipt of your letter of January 18, 2011 enclosing Notice to Appropriate Water by Application No. 7226-3 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

January 18, 2011

Town of Summit
Frank Eccles
PO Box 751
Summit SD 57266

Dear Mr. Eccles:

Water Permit Application No. 7226-3 for municipal use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Sisseton Courier printed at Sisseton SD (Ph # 605-698-3641). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

eric.gronlund@state.sd.us

cc: Jay C Koch, PE, Helms & Associates, PO Box 111, Aberdeen SD 57402-0111

enclosures

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

Instruction to Newspaper - Publish first Notice on January 25, 2011 with the second publication 7 days later. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7226-3 to Appropriate Water

Notice is given that Town of Summit, c/o Frank Eccles, President, PO Box 751, Summit SD 57266 has filed an application for a water permit to appropriate 0.44 cubic feet of water per second from two wells to be completed into the Pleistocene Unknown Aquifer (approximately 300 feet deep) located in SE ¼ NW ¼ Section 34-T122N-R51W for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7226-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 14, 2011.

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 twice at the total approximate cost of _____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAR 03 2011

Town of Summit
PO Box 71
Summit SD 57266

Dear Sir:

Enclosed is Water Permit No. 7226-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

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

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

7226-3

Location SE 1/4 NW 1/4 Sec 34 Twp 122 Rg 51

County

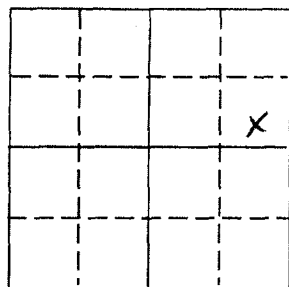
Roberts

Summit Twp

45 18 25.1

97 01 54.6

Please mark well location with an "X"



Well completion Date

May 13, 2011

1 Mile

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

? 250 ft from sealed sewer line (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

mud rotary

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	8 IN	80 FT	272 FT	12 1/2 IN
SDR 21 LB/FT	8 IN	0 FT	80 FT	12 1/2 IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>neat cement</u>	<u>15</u>	<u>Lb/gal</u>	<u>0</u> Ft	<u>40</u> Ft
<u>Quick Grt/Benseal</u>	<u>35</u>	<u>Lb/gal</u>	<u>40</u> Ft	<u>270</u> Ft

Describe grouting procedure PRESSURE TREATMENT

SCREEN:

- ☐ Perforated pipe ☒ Manufactured

Diameter 8" tel Inches Length 20 Feet

Material stainless steel

Slot Size 60 Set From 270 Feet to 290 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 solution

Lab sample sent to for

water quality analysis

Well Owner: City of Summit, SD

Business Name:

Address1: PO Box 791

Address2:

City, State, Zip: Summit SD 57226

WELL LOG:

DEPTH

FORMATION	FROM	TO
topsoil dark S	0	2
clay & gravel mixed/rocks H	2	25
clay blue M	25	45
clay yellow M	45	58
clay blue H	58	268
sand gray/yellowish S	268	293
clay blue M	293	

STATIC WATER LEVEL

148

FEET

If flowing: closed in pressure

PSI

GPM flow

through

Inch pipe

Controlled by

☐ Valve

☐ Reducers

☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:

☐ Bailed

☒ Other

Air Developed

Pumping Level Below Land Surface

188

Ft. After

24

Hrs. pumped

160

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

RECEIVED

DEC 30 2011

WATER RIGHTS PROGRAM

This well was drilled under license # 463

And this report is true and accurate.

Drilling firm:

Steffl Drilling & Pump Inc

Signature of license Representative

Signature of Well Owner or Equitable Property Holder

Date:

Please return **WHITE COPY** to: DENR Water Rights, 523 E. Capitol Ave., Pierre SD 57501

2/12/11

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7226-3

I have this day, August 13, 2021, made a thorough examination of the water use system constructed by Town of Summit, PO Box 751, Summit, SD 57266 of Permit No. 7226-3, bearing the priority of November 5, 2010 authorizing the diversion of 0.44 cu. ft. per second of the waters of the Pleistocene Aquifer (unknown) for municipal use purposes, in Roberts County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Lee Well Drilling (south well – 2009) Steffl Drilling & Pump (north well – 2011)
- 2) No. of Wells 2
- 3) Depth(s) 284 (south) 292 (north) feet
- 4) Well logs are available Y

Casing:

- 1) Diameter 5 (south well) & 8 (north well) inches
- 2) Length 268 (south well) & 272 (north well) feet
- 3) Type Plastic

Screen:

- 1) Type Stainless steel
- 2) Length 16 (south) 20 (north) feet
- 3) Static water level 142-148 feet

Pump:

- 1) Make NA
- 2) Model Submersible
- 3) Size NA
- 4) Capacity 50 & 150 GPM

Motor:

- 1) Make NA
- 2) Model No. NA
- 3) Horsepower rating 7.5 & 20 hp

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

C. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Exceptions to compliance are: None

D. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: From the NW corner Section 34, T122N R51W; ** NORTH WELL: 1540 ft S & 2640 ft E, Lat 45.30725 Long -97.03137
** SOUTH WELL: 1580 ft S & 2640 ft E, Lat 45.30701 Long -97.03140 (SE ¼ NW ¼ SEC 34).
2. The works are capable of diverting and conveying to the place of use 0.44 cu. ft. per second of water which is to be used for municipal use.
3. the license should be issued for 0.44 cfs.
4. All structures, wells and lands on map Y

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

FSA maps and ArcMAP software were used to create the review map.

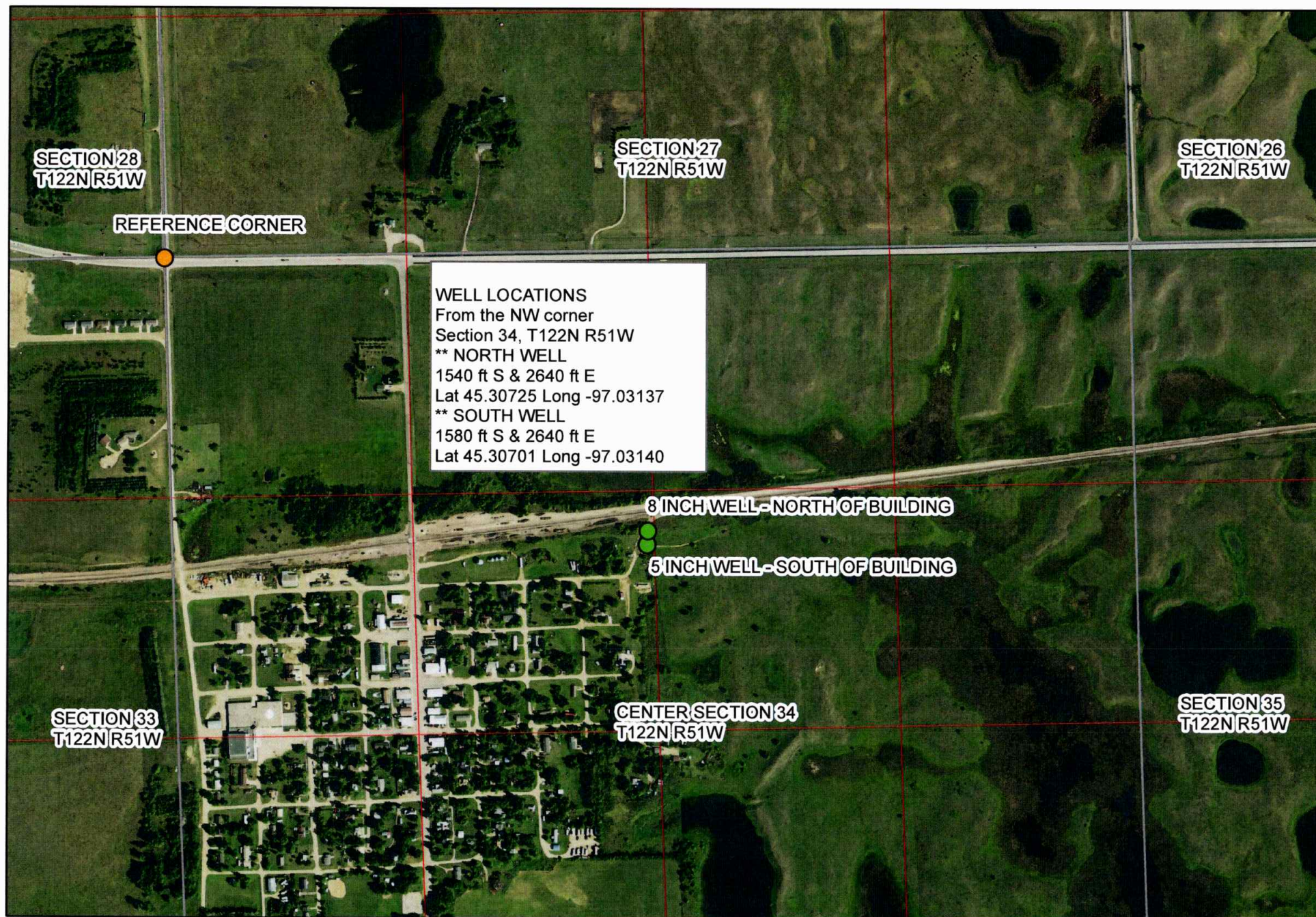
The eight (8) inch well is rated at 150 gpm while the five (5) inch well is rated at 50 gpm.

The address and phone number contained in the review materials are current.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: August 17, 2021



0 0.075 0.15 0.3 0.45 0.6 Miles



Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

AUG 26 2021

7226-3

Mayor Pete Eccles
Town of Summit
PO Box 751
Summit SD 57266-0751

Dear Mayor Eccles:

Enclosed is Water License No. 7226-3. This is the final water right document completing the process of obtaining a Water Right. Included with town's water license is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7226-3**

(1) Town of Summit, PO Box 751, Summit SD 57266 made Application No. 7226-3, November 5, 2010 for a water permit to divert 0.44 cubic feet of water per second from ground water, two wells (Pleistocene Unknown Aquifer), Roberts County, South Dakota for municipal purposes. Permit No. 7226-3, with a priority date of November 5, 2010 was approved February 14, 2011 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 14, 2016 and for the application to beneficial use of said water on or before February 14, 2020.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.44 cubic feet of water per second for beneficial use. The diversion points are located as follows:

North well: 1,540'S and 2,640'E of the NW corner of Section 34, T122N, R51W (SE ¼ NW ¼ Sec 34)
Latitude 45.30725 Longitude -97.03137

South well: 1,580'S and 2,640'E of the NW corner of Section 34, T122N, R51W (SE ¼ NW ¼ Sec 34)
Latitude 45.30701 Longitude -97.03140

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

(4) Pursuant to South Dakota Water Law 46-5-30.1 the Town of Summit, PO Box 751, Summit SD 57266 the holder and/or owner of Water Right No. 7226-3 is issued a license to appropriate water, the right to use 0.44 cubic feet of water per second from ground water, two wells (Pleistocene Unknown Aquifer) with a priority date of November 5, 2010 from the locations specified in (2) of this license for municipal purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7226-3 and subject to the following qualifications:

- The wells approved under this water right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right shall control 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. 7226-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the 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. ***Lee Well Drilling drilled the south well in 2009 and Steffl Drilling and Pump drilled the north well in 2011. Copies of both well completion reports are on file with the Water Rights Program.***


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

AUG 26 2021

date

