

WATER PERMIT NO. 2756-2

Name of Applicant: **Chad Gollnick**

Address: **4758 Sturgis Rd, Rapid City SD 57702**

Phone: **605 415-5090**

Amount of Water Claimed: **0.033 cfs**

Total Acres: **NA**

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

Water to be used for: **commercial**

County: **Pennington**

Type of Waste Disposal System:

Location: **north of Rapid City along Sturgis Rd**

PRIORITY

Date Received: **7-25-16**

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

Corrected Application Received: **8-10-16**

Period of Annual Use: **Jan 1 – Dec 31**

Remarks: **also provides water to 2 homes**

Diversion Point: **SW 1/4 NE 1/4 Sec 17-T2N-R7E**

Land to be Irrigated: **NA**

Depth of Well: **240 feet deep**

Well Driller: **Alexander Drilling**

Remarks:

Type of Map: **aerial photo**

Prepared by:

			17 [⊗]		

Reviewed and the Number Assigned on: **8-15-16**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>2756-2</u> (office use only)	Hydrologic Unit <u>10120110</u>
	Basin <u>upper Cheyenne</u>	
	Newspaper <u>Rapid City Journal</u>	
	<u>605-394-8300</u>	

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JUL 25 2016

WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

- | | | | |
|---|---|--|--|
| ☐ Municipal | ☒ Water Distribution System | ☐ Recreational | ☐ Institutional |
| ☐ Rural Water System | ☒ Commercial | ☐ Fish & Wildlife | ☐ Geothermal |
| ☐ Domestic (over 18 gpm) | ☐ Industrial | ☒ Other <u>My residence + shop</u> | |

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 to Appear on Water Permit Chad Gollnick
Mailing Address 4758 Sturgis Rd Rapid City SD 57702
(Address) (City) (State) (Zip Code)
Phone 605-342-2266 Mobile 605-415-5090 Email cgollnick@ironoutfitter.com
- Amount of water claimed 0.033 *CFS or 1.5 **GPM and 5000,000 ***AF or I don't know exactly Gallons
Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use)
- Source of water supply Minnekahta
- Location of point of diversion SW1/4 NE1/4 Sec17 Twn2N R7E County Pennington
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☒ No
If "Yes," where will water be used? _____
(example - NW1/4 section 12-T104N-R53W)
- County or counties where water will be used Pennington
- Annual period during which water is to be used All year 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)

We've replaced a shallow well with this new one. I set a well pit with 3 metered points for the three lots I owned. One services my business/shop (1 toilet and a hose hydrant); One services my home (2 bed, 1 bath); and one services a north lot which I intend to sell.

I, Chad Gollnick Owner, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

SOUTH DAKOTA
WATER PERMIT NO. 2756-2

Date of first receipt of application July 25, 2016.

Date of return to applicant for corrections, amendments or changes July 25, 2016.

Date of receipt of corrected application August 12, 2016.

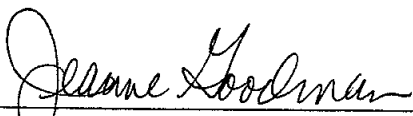
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2756-2 to Chad Gollnick, 4758 Sturgis Rd, Rapid City SD 57702 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 2756-2 appropriates up to 1.5 acre feet of water annually at a maximum diversion rate of 0.033 cubic feet of water per second (15 gallons per minute) from one well completed into the Minnekahta Aquifer (240 feet deep) located in the SW 1/4 NE 1/4 Section 17-T2N-R7E.
2. The water appropriated shall be used for the purpose of commercial use at Iron Outfitters and domestic 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. 2756-2 is September 26, 2016.
5. The date from which applicant may claim right is July 25, 2016.
6. One-fifth of the construction is to be completed on or before March 26, 2019.
7. All construction is to be completed on or before September 26, 2021.
8. Water is to be put to beneficial use on or before September 26, 2025.
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 well approved under Water Permit No. 2756-2 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 Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Minnekahta aquifer.
3. Water Permit No. 2756-2 authorizes a total annual diversion of 1.5 acre feet of water.

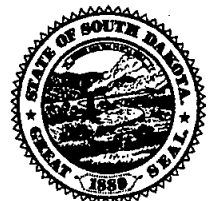
WATER MANAGEMENT BOARD

By: 

Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

OCT 07 2016

date



Supplemental Information

(type or print)

1. Well Information

(check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled ☒ Yes ☐ No Drilled by Alexander Drilling
(if yes, please provide copies of logs)
- b) If existing wells, how many 0 Provide copy of log(s), if available. Drilled by _____

For either Existing or Proposed Wells:

- c) Well Depth (required) 240 Depth to Top of Water Bearing Material 198 Depth to Water from Surface 140
- d) Distance to nearest domestic well on applicant's property 0 Property owned by others Unknown

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) Septic tank/Drain Field
- b) System Capacity (gallons) 1500 Year Constructed 2014
- c) Connected to the City of 0 Sanitary System

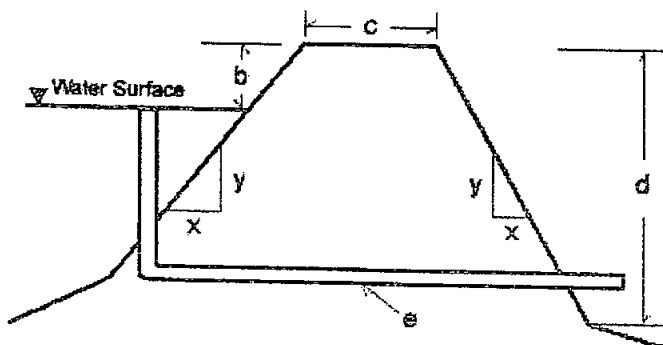
3. Dugout Information

- a) Surface Dimensions N/A 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

Sec 7
T002N
R07E

Sec 8
T002N
R07E

Sec
T002
R07

Sec 18
T002N
R07E

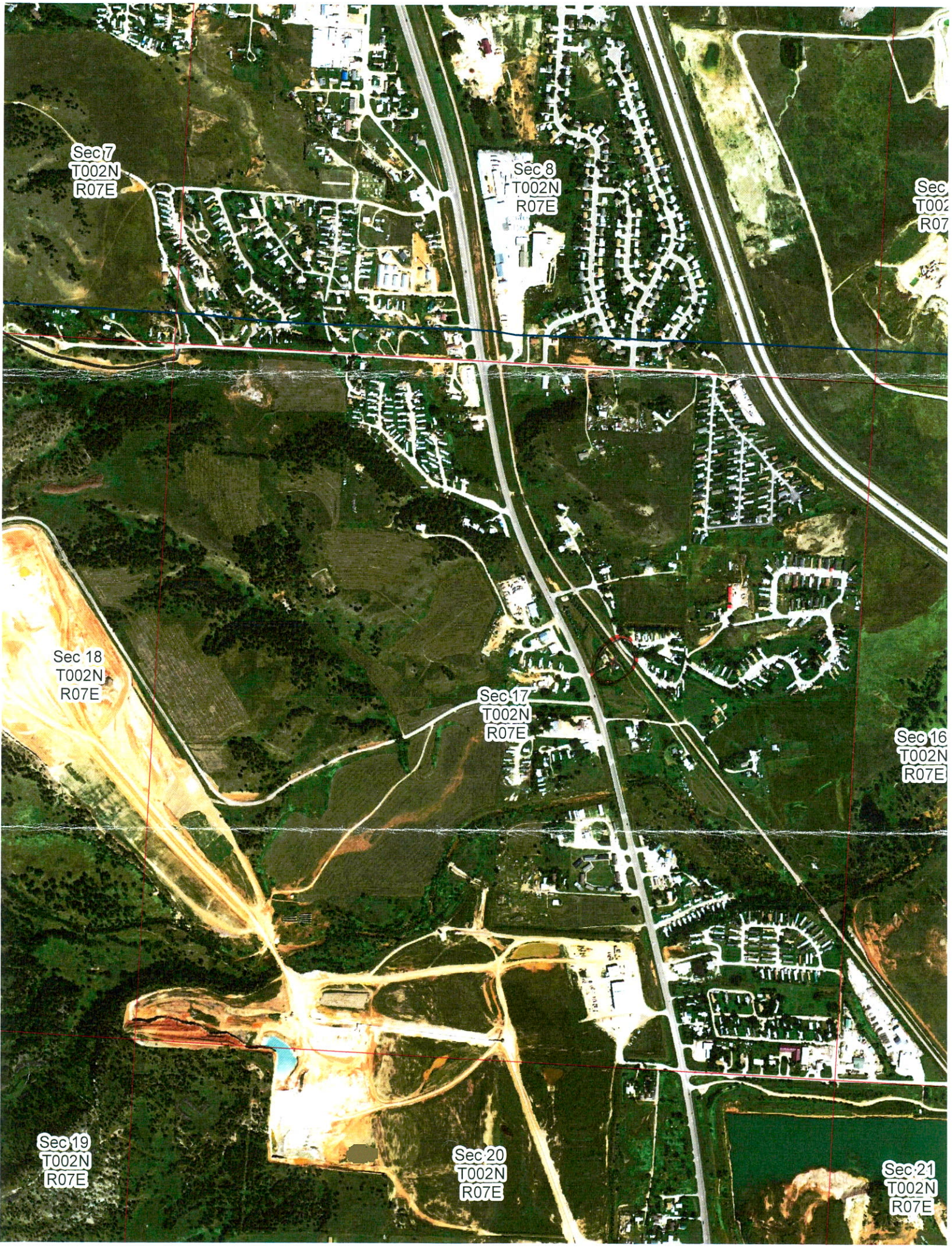
Sec 17
T002N
R07E

Sec 16
T002N
R07E

Sec 19
T002N
R07E

Sec 20
T002N
R07E

Sec 21
T002N
R07E



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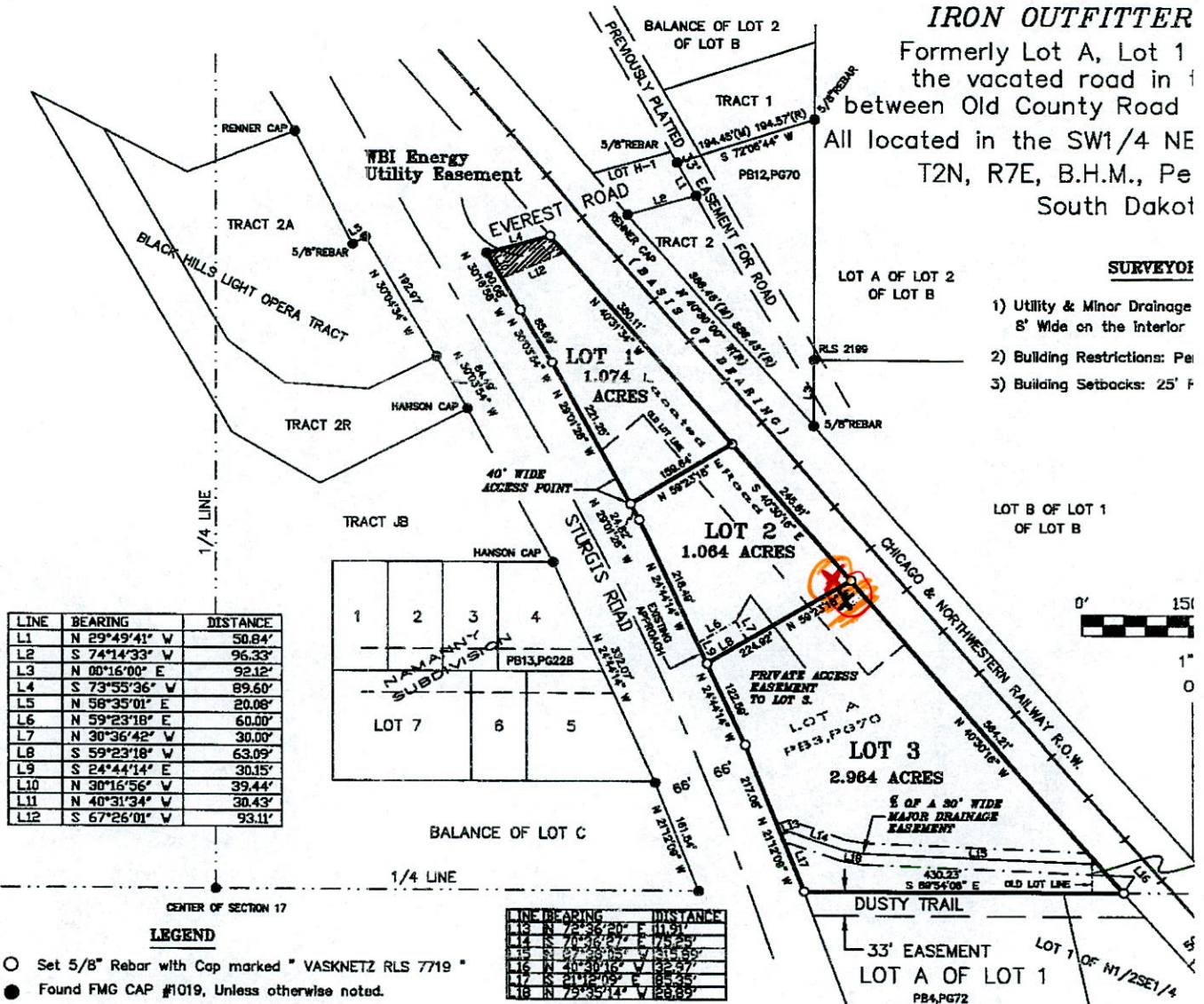
WATER RIGHTS
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PLAT 0 LOTS 1, 2 AND IRON OUTFITTER

Formerly Lot A, Lot 1
the vacated road in
between Old County Road
All located in the SW1/4 NE
T2N, R7E, B.H.M., Pe
South Dakota

SURVEYOR

- 1) Utility & Minor Drainage
8' Wide on the Interior
- 2) Building Restrictions: Per
- 3) Building Setbacks: 25' F



LEGEND

- Set 5/8" Rebar with Cap marked " VASKNETZ RLS 7719 "
- Found FMG CAP #1019, Unless otherwise noted.
- (R) Indicates dimensions previously recorded.
- (M) Indicates measured dimensions this survey.

COUNTY TREASURER'S CERTIFICATE

I, Treasurer of Pennington County, South Dakota, do hereby certify that all taxes which are liens upon the within described lands are fully paid according to the records of my office.

Dated this _____ day of _____, 20____

Treasurer of Pennington County

CERTIFICATE OF PUBLIC WORKS DIRECTOR

I, Public Works Director of the City of Rapid City, have reviewed this plat and have found it to conform to the subdivision requirements of Chapter 16.08.030 of the Rapid City Municipal Code and as such I have approved this Plat as a Lot Line Adjustment - Consolidation Plat as shown hereon.

Dated this _____ day of _____, 20____

Public Works Director of the City of Rapid City

CERTIFICATE OF FINANCE OFFICER

I, Finance Officer of the City of Rapid City, do hereby certify that all special assessments which are liens upon the within the described lands

Drainage Notes:

All major drainage easements shown hereon shall be kept free of all obstructions including, but not limited to, buildings, walls, fences, hedges, trees, and shrubs. These easements grant to all public authorities the right to construct, operate, maintain, inspect, and repair such improvements and structures as it deems necessary to facilitate drainage from any source.

CERTIFICATE OF COMMUNITY PLANNING & DEVELOPMENT SERVICES DIRECTOR

I, Community Planning & Development Services Director of the this plat and have found it to conform to the subdivision requirements of the Rapid City Municipal Code and as such I have approved this Adjustment-Consolidation Plat.

Dated this _____ day of _____, 20____

Community Planning & Development Services Director of the City

SURVEYOR'S CERTIFICATE

I, Sharon E. Vasknetz, Registered Land Surveyor No. 7719 in the State of South Dakota, do hereby certify that at the listed herein, I have surveyed that tract of land shown, and to

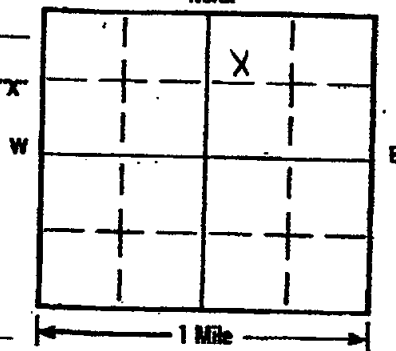
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 NE 1/4 Sec 17 Twp 2N Rg 7E

County Pennington

Please mark well location with an "X"



Well-Completion Date

2/16/10

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 300 ft. from septic (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary Downhole Hammer

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe 200' of 5" Certilock

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	0	240	6 3/4
LB/FT	IN			
LB/FT	IN			

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Portland</u>	<u>15</u>	lb/gal	<u>200</u> ft	<u>0</u> ft
<u>20% bentonite</u>		lb/gal		

Describe grouting procedure through casing

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ 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? with chlorine
☒ YES, How? 50L

laboratory sent to for water quality analysis _____
 _____ NO, Why Not? _____

Well Owner: _____

Business Name: Iron Out Filters

Address: 4758 Sturges Road
Rapid City, SD 57702

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Spearfish</u>	<u>0</u>	<u>198</u>
<u>Minnekahta 15gpm</u>	<u>198</u>	<u>240</u>

STATIC WATER LEVEL 140 Feet

If flowing: closed in pressure _____ PSI

GPM flow 15 through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

- ☒ Pumped Describe: w/air
☐ Bailed
☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

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MAR 28 2016

MINNEKAHTA 43

This well was drilled under license # 324

WATER RIGHTS PROGRAM

And this report is true and accurate.

Drilling firm Deschutes Drilling

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 7/25, 20 16

RECEIVED OF Dakota Cable Solutions PO Box 825 Black Hawk SD 57718

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

Fee for Application for Permit No. <u>2756-2</u> to Appropriate Water, to construct and to put water to beneficial use	100	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>2756-2</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	300 00

No. **07863**

By James Hedeman 
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

March 31, 2016

Iron Outfitters
4758 Sturgis Rd
Rapid City SD 57702

Dear Sir:

I am writing in regard to a well driller's report filed by Alexander Drilling. The report shows a new well has been completed on February 16, 2016. Based on the information in the report, you may need a water permit for this water use.

1. According to state law, a water permit is needed for any water use except for reasonable, private domestic use. Examples of commercial uses that require a water rights permit are: truckstops; motels; restaurants; bars; clubs; tourist attractions; campgrounds or any other business operation.
2. Also, as a new well owner, you need to be aware of some of your responsibilities. Enclosed is a copy of "Well Owner Responsibilities". Please review these responsibilities to ensure you are complying with all of the requirements.

Enclosed are application forms and instruction sheet to apply for a water permit. The completed forms with the application fee and map can be returned to: Water Rights Program, 523 E. Capitol, Pierre, SD 57501. Please respond by May 1, 2016.

If you believe your water use does not require a water permit or that you have an existing permit, or if help is needed completing the application forms, please contact Ron Duvall or me at (605) 773-3352. We will be happy to assist you in any way possible.

Sincerely,

Karen Schlaak
Water Rights Program
karen.schlaak@state.sd.us

enclosures



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WATER RIGHTS
PROGRAM

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

July 25, 2016

Chad Gollnick
4758 Sturgis Rd
Rapid City SD 57702

Dear Mr. Gollnick:

Thank you for submitting the *Application for a Permit to Appropriate Water* for commercial use in Pennington County. In order to complete the application, the following is required.

- Enclosed is the map submitted with the application. The application states the well is located in the NW 1/4 NE 1/4 Section 17-T2N-R7E. On the map you submitted, I am assuming the "X" is the well location. I have circled it in red. Based on the marked location, it appears the well is located in the SW 1/4 NE 1/4 Section 17. Is this correct?

Yes; you are correct typo on my behalf

- I have also included an aerial photo map for Section 17-T2N-R7E. On the aerial photo map, please mark the well location with an "X". It is important the well location be correctly identified.

I marked your map with a red "X" my original mark was about 25ft too far south.

Please return both maps. If you have any questions, please contact me.

Sincerely,

Karen Schlaak

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

enclosures

Chad Gollnick
8/9/2016

Gronlund, Eric

From: Iron Outfitter <cgollnick@ironoutfitter.com>
Sent: Monday, August 15, 2016 1:02 PM
To: Gronlund, Eric
Subject: Re: water permit application

I am absolutely fine with your recommendations. This isn't my wheel house at all. I had no idea I had to even file this until after the hole was in the ground. So I differ to your opinion and recommendation and appreciate your advise.

Thanks,
Chad
Let me know what else I need to do.

On Mon, Aug 15, 2016 at 10:43 AM, Gronlund, Eric <Eric.Gronlund@state.sd.us> wrote:

Mr. Gollnick:

DENR received your completed water permit application for the well used at Iron Outfitter and two residences. On the application you list the annual volume of water as 36,500 gallons but say you do not know exactly.

My inquiry is to get a better handle on annual water use as the number you provide seems low. I want the number to be reasonable but to error on the high side. Considering the average household can use up to 400 gpd, this equates to 146,000 gallon per year per home. With two homes and a business that would equate to about 438,000 gallons. I would suggest rounding the annual volume to 500,000 gallon/year. In making the estimate, I recognize the use at the shop will be much lower than the houses but want to be on the high side to allow for a little growth if that ever materializes.

Let me know if that is acceptable.

Eric Gronlund

Water Rights Program, DENR

605 773-3352

eric.gronlund@state.sd.us

--

Chad Gollnick

Iron Outfitter

Shop: 605-342-2266

Cell: 605-415-5090

Fax: 605-413-1563



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2756-2, Chad Gollnick**

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. 2756-2, Chad Gollnick, 4758 Sturgis Rd, Rapid City SD 57702.

The Chief Engineer is recommending APPROVAL of Application No. 2756-2 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under Water Permit No. 2756-2 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 Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Minnekahta aquifer.
3. Water Permit No. 2756-2 authorizes a total annual diversion of 1.5 acre feet of water.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
September 6, 2016

**REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 2756-2
CHAD GOLLNICK
AUGUST 22, 2016**

Water Permit Application No. 2756-2 proposes to appropriate up to 1.5 acre feet of water annually from the Minnekahta aquifer for commercial use at Iron Outfitters, and to supply domestic use. Water is to be diverted from an existing 240 foot deep well, located in the SW¼NE¼ Sec.17,T2N-R7E, at a maximum diversion rate of 0.033 cubic feet of water per second (cfs) (15 gallons per minute).

AQUIFER: MINNEKAHTA AQUIFER (MNKT)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Minnekahta aquifer is composed of the portions of the Permian age Minnekahta Limestone that contains sufficient saturated permeable material to yield quantities of groundwater to wells. The Minnekahta Limestone is a pale-lavender, beige to light-gray thin-bedded limestone. Four lithologic units can generally be identified in the Minnekahta Limestone. The lithologic units are: (a) a lower shale unit that contains up to 60 percent silt and clay, (b) a lower pure limestone zone, (c) an upper shaly zone that contains up to 10 percent clay and silt, and (d) an upper unit of nearly pure limestone (Gries, 1975). The Minnekahta limestone is 35-40 feet thick and occurs on a regional scale. The Minnekahta aquifer underlies an estimated 15,960,320 acres of western South Dakota and contains an estimated 39,900,800 acre-feet of recoverable water in storage (Allen, 1985). The Minnekahta Limestone outcrops approximately three-quarters of a mile west of this well site (Lisenbee and Hargrave, 2005). The completion report submitted with this application indicates the top of the Minnekahta Limestone was encountered at a depth of 198 feet below grade and reports 42 feet of limestone penetrated. The Minnekahta Limestone is overlain by the Spearfish formation and overlies the Opeche Shale. The Minnekahta aquifer is under confined conditions at this well site with a static water level reported to be 140 feet below grade on February 16, 2016.

SOUTH DAKOTA CODIFIED LAW (SDCL) 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and existing rights from the aquifer.

WATER AVAILABILITY:

If Water Permit No. 2756-2 is approved, the maximum annual diversion rate will be limited to 1.5 acre-feet of water per year. The probability that unappropriated water is available from an aquifer can be evaluated by considering SDCL 46-6-3.1 which requires "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source

will exceed the quantity of the average estimated annual recharge of water to the groundwater source.”

Water Balance:

Recharge:

Recharge to the Minnekahta aquifer is through infiltration of precipitation at the outcrop. The average annual recharge to the Minnekahta aquifer in the Black Hills Hydrology Study area has been estimated to be 6,500 acre-feet per year (Driscoll and Carter, 2001). The study area for the Black Hills Hydrology Study consists of “the topographically defined Black Hills and adjacent areas located in western South Dakota” (Driscoll and others, 2002).

Withdrawals:

The 30 water rights/permits appropriating water from the Minnekahta aquifer in South Dakota are shown in Table 1. (Water Rights, 2016b). As part of the Black Hills Hydrology Study, well withdrawals and spring discharge from the Minnekahta aquifer was estimated to average 700 acre-feet annually for water years 1950-98 (Driscoll and Carter, 2001). Since 1998, seven new appropriations from the Minnekahta aquifer have been approved. One of the water rights that was active for a portion of the 1950-1998 time period was cancelled in 2010. The net change in appropriative uses from the Minnekahta aquifer since 1998 has been a reduction of 58.78 acres authorized for irrigation, and an increase of the authorized instantaneous diversion rate authorized by non-irrigation appropriations from the aquifer of 0.262 cfs. Therefore, the total net well and spring discharge from the Minnekahta aquifer is expected to have changed little from the 1950-1998, Driscoll and Carter estimate (2001).

Historically, the DENR-Water Rights Program and the SD Water Management Board have estimated average annual water use by non-irrigation appropriations, limited by instantaneous diversion rate only, to equate to less than 60% of full time pumping at the permitted diversion rate. The total instantaneous diversion rate authorized for non-irrigation uses from the Minnekahta aquifer is 3.315 cfs. Therefore, average annual water use from non-irrigation appropriations is estimated to be less than 1,440 ac-ft/yr.

Reported irrigation pumping from the Minnekahta aquifer is shown in Table 2.

Table 1. Appropriations from the Minnekahta aquifer is South Dakota (Water Rights, 2016b)

PERMIT NO	NAME	PRIORITY DATE	STATUS	USE	CFS	IRR ACRES
1118-1	JH & P INVESTMENTS LLC	10/08/1976	LC	COM	0.49	
1129-1	RAND & GAYLA WILLIAMS	02/22/1977	LC	COM	0.1	
1147-2	ROBERT & MARGURETTE BEYERS	05/24/1973	LC	SHD/COM	0.08	
1164-1	WESTVIEW SUBDIVISION	12/07/1977	LC	SHD	0.06	
1184-1	DON L SMITH	02/15/1979	LC	COM	0.1	
1194-1	SPEARFISH FAIRGROUND	09/24/1979	LC	IND/COM	0.2	
1265-1	HAROLD R & TAMMY C KARLSON	10/14/1982	LC	COM	0.45	
1336-1	PIEDMONT SENIOR CITIZENS	05/22/1985	LC	INS	0.1	
1464-1	MOUNTAIN WEST LLC	07/05/1989	PE	IND/DOM	0.34	
1489-1	LEONARD WALES	04/16/1990	LC	SHD	0.05	
1541-1	AUTOMATIC VENDORS INC	03/16/1992	LC	COM	0.04	
1620-1	BETH MATHIS	04/11/1995	LC	SHD	0.036	
1636-1	WAYNE LINDSTAD	01/16/1996	LC	COM/DOM	0.39	
1651-1	STAGEBARN HOUSING CENTER	05/16/1997	LC	COM	0.022	
1660-1	GFK INC	01/29/1998	PE	COM	0.022	
1681-1	JOHN & CONNIE NIEHAUS	02/19/1999	LC	COM/DOM	0.036	
1704-1	MIKE & DEBIE PALMER	12/28/1999	LC	IRR	0.44	11
1739-1	SPEARFISH MEADOWS	10/13/2000	LC	SHD	0.111	
1811-1	BUTTE ELECTRIC COOPERATIVE INC	12/31/2003	LC	COM	0.011	
1833-1	HAIAR ENTERPRISE INC	03/24/1953	LC	IRR	1.56	166
1893-2	WINDMILL TRUCK STOP	08/06/1984	LC	COM	0.1	
1902-1	LOUP LAND DEVELOPMENT	12/18/2008	PE	SHD	0.11	
1925-1	BOULDER CANYON COUNTRY CLUB	10/20/2011	PE	COM	0.03	
2177-2	SUPERIOR TRUCK WASH INC	04/23/1991	LC	COM	0.047	
2190-2	CHURCH OF JESUS CHRIST OF LDS	07/24/1991	LC	IRR	0.088	1.5
2422-2	HOT SPRINGS SCHOOL DIST	04/07/1999	LC	IRR	0.088	6.22
439-1	BILLY J EVANS	09/25/1959	LC	IRR	2.22	302.05
515-2	BLACK HILLS CORPORATION	01/03/1959	LC	IND	0.39	
647-1	MC GUIGAN DAIRY INC	04/09/1962	LC	IRR	0.4	94
673-1	DENNY BRENGLE	01/02/1963	LC	IRR	0.16	15

LC= Water Right, PE= Water Permit, COM= Commercial, DOM= Domestic, IND= Industrial, INS= Institutional, IRR= Irrigation
SHD= Suburban Housing Development,

Table 2. Irrigation Appropriation and Reported Pumping per year from the Minnekahta aquifer in South Dakota (Water Rights, 1983-2016)

Year	Appropriation (ac-ft/yr)	Reported Pumped (ac-ft/yr)
1982	1566.15	42.54
1983	1840.55	445.39
1984	1840.55	55.1
1985	1840.55	337.7
1986	1840.55	254.2
1987	1840.55	300.36
1988	1840.55	451.77
1989	1840.55	351.85
1990	1840.55	427.37
1991	1690.55	338
1992	1693.55	343.9
1993	1693.55	239.3
1994	1820.55	404.64
1995	1848.15	144.58
1996	1855.75	214.21
1997	1855.75	196
1998	1855.75	342.55
1999	1857.59	261.99
2000	1891.59	187.39
2001	1902.19	338.69
2002	1891.59	449.33
2003	1915.59	409.04
2004	1915.59	316.65
2005	1995.59	241.29
2006	1767.59	342.01
2007	1804.59	312.61
2008	1804.59	187.72
2009	1804.59	201.73
2010	1768.59	242.65
2011	1768.59	229.16
2012	1768.59	312.05
2013	1768.59	251.37
2014	1768.59	273.08
2015	1768.59	133.35
<i>Minimum</i>	<i>1566.15</i>	<i>42.54</i>
<i>Maximum</i>	<i>1995.59</i>	<i>451.77</i>
<i>Average</i>	<i>1816.67</i>	<i>281.75</i>

An average annual total (irrigation plus non-irrigation) diversion rate from the Minnekahta aquifer is estimated to be less than 2,000 ac-ft/yr. Since the estimated average annual well withdrawal from the Minnekahta aquifer is less than the estimated average annual recharge to the aquifer, there is a reasonable probability that there is 1.5 acre-feet of unappropriated water available annually to supply this proposed appropriation.

The simple water budget comparing the estimated average annual recharge and the potential withdrawal by existing wells and current appropriations is not intended to suggest that all of the water that is in storage in the Minnekahta aquifer or that all of the recharge to the aquifer is available for this appropriation, merely to demonstrate that in general, the Minnekahta aquifer is an immense resource that is relatively untapped.

Localized Hydrologic Budget:

There are no appropriations from the Minnehaha aquifer directly up or down gradient of the well that is to be used to supply this appropriation. Although there are likely domestic use wells completed into the Minnekahta aquifer in this area, only one other completion report for a Minnekahta well has been filed with the DENR-Water Rights Program (Water Rights, 2016c). Domestic use from the Minnekahta aquifer is not expected to be significant to a localized hydrologic budget. Precipitation recharge to the Minnekahta aquifer can be estimated using the yield-efficiency algorithm developed by Driscoll and Carter (2001). The average annual precipitation for this area, for water years 1961-1990, was approximately 18.5 inches per year (Driscoll and others, 2000). Carter and others (2001) estimate that approximately 6.5 percent of annual precipitation on the Madison aquifer outcrop recharges the aquifer. Recharge to the Minnekahta aquifer is prescribed by multiplying the total yield for the Madison aquifer by a recharge factor for the Minnekahta aquifer. The recharge factor for the Minnekahta aquifer is reported to be 1.00 (Driscoll and Carter, 2001). Therefore the average annual precipitation recharge to the Minnekahta aquifer is estimated to be approximately 1.20 inches per acre per year. At 1.20 inches per year, an outcrop area of approximately 15 acres would generate 1.5 acre-feet of precipitation recharge annually. Upon review of the geologic map for this area (Lisenbee and Hargrave, 2005), it is reasonable to assume that precipitation recharge from an outcrop area larger than 15 acres is available to supply this proposed permit and domestic use directly up and down gradient of it. Therefore, there is a reasonable probability that unappropriated water is available for this appropriation.

OBSERVATION WELL DATA:

Administrative Rule of South Dakota Section 74:02:05:07 requires that the Water Management Board shall rely upon the record of observation well measurements in addition to other data to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge to the aquifer.

The DENR-Water Rights Program monitors four observation wells completed into the Minnekahta aquifer statewide (Water Rights, 2016a). The nearest of these observation wells (MD-95A) is located approximately 13 miles northwest to the well this application proposes as a source. A hydrograph for the observation well is shown in Figure 1. The hydrograph documents that the Minnekahta aquifer responds well to climatic conditions with higher water levels during wet periods and lower water levels during drier periods. Figure 1 shows that water levels in the Minnekahta aquifer are currently higher than the water levels at the beginning of the record. Consequently, there is more water in storage in the aquifer in 2016 than there was in 1995. Since the aquifer is under confined conditions and the increased water level represents a change in artesian head pressure, the change in storage documented in the hydrograph is insignificant in relation to the amount of water stored in the aquifer.

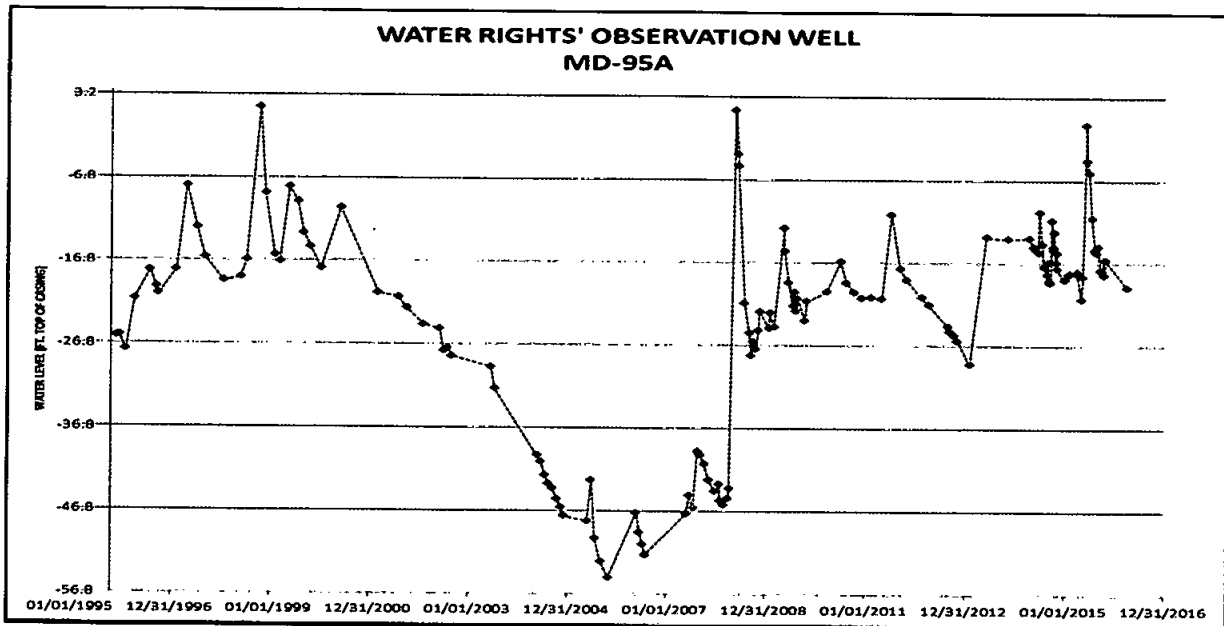


Figure 1. Hydrograph of Water Rights' Observation well completed into the Minnekahta aquifer approximately 13 miles northwest of the well this application proposes as a source.

The hydrograph shows the aquifer is readily recharged. For example, during the time period of March 7, 2008, through May 30, 2008, the water level at the observation well increased 47.1 feet due to aquifer recharge exceeding discharge. A rapid decline of the water level from the May 30, 2008, high is also noteworthy.

The significant amplitude of the water level fluctuations in the Minnekahta aquifer is most dramatic when daily or hourly water levels are displayed. The United States Geological Survey installed an automated water level recorder on this observation well on December 5, 2007. Daily or hourly water level readings (when available), for the observation well are shown in Figure 2. The sharp, large amplitude, water level fluctuations measured in the well are likely indicative of the modest storage capacity associated with the thin (40 feet thick) Minnekahta Limestone, in relation to recharge.

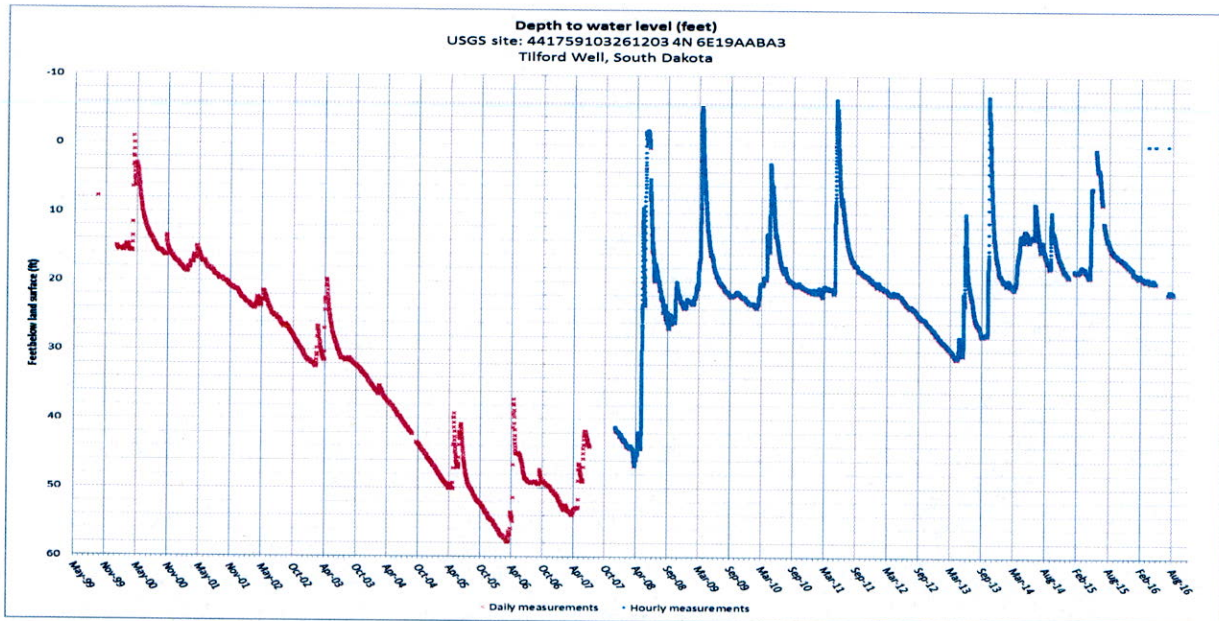


Figure 2. Hydrograph for DENR-Water Rights' Observation Well MD-95A displaying daily or hourly readings for the time period of October 1, 1999 through August 26, 2016 (Eldridge, 2016)

Observation well MD-95A is representative for the Minnekahta aquifer and shows that over the period of record, withdrawals from the aquifer have not exceeded recharge to the aquifer. The 1.5 ac-ft/yr that this application proposes to appropriate is not significant to a hydrologic budget for the aquifer; therefore, unappropriated water is available for the appropriation.

EXISTING WATER RIGHTS:

Water rights/permits supplied by sources other than the Minnekahta aquifer are not expected to be affected by Minnekahta aquifer withdrawals since the aquifer lies between two shale units (i.e. the Spearfish formation and the Opeche Shale) which isolate the aquifer from overlying and underlying aquifers.

There are no water rights/permits appropriating water from the Minnekahta aquifer within one and one-half miles and only three appropriations from the Minnekahta aquifer within approximately two miles of the well that the applicant proposes as a source. The nearby Minnekahta aquifer appropriations are identified in Table 3. At the distances involved to existing appropriations, and the low diversion rates associated with this proposed appropriation, unlawful impairment of existing rights is not expected.

Table 3. Water rights appropriating water from the Minnekahta aquifer within approximately two miles of the well that is to be used to supply Water Permit No. 2756-2.

PERMIT NO	NAME	PRIORITY DATE	STATUS	USE	CFS	ACRES
1893-2	WINDMILL TRUCK STOP	08/06/1984	LC	COM	0.1	na
2177-2	SUPERIOR TRUCK WASH	04/23/1991	LC	COM	0.047	na
1704-1	MIKE & DEBIE PALMER	12/28/1999	LC	IRR	0.44	11

Although there is only one completion report on file with the DENR-Water Rights Program for a domestic use well completed into the Minnekahta aquifer in this area, it is likely that other wells are present in the area. Since the Minnekahta aquifer is under confined conditions, the artesian pressure of the aquifer is subject to fairly significant fluctuations. Drawdown from withdrawing water from a well may extend over a fairly large area. At this time, it is not practical to attempt to quantify the specific affect withdrawals from this well may have on area wells since aquifer characteristics have not been determined for this area.

Wells supplying existing Water Rights/Permits and domestic uses are protected from adverse impacts per Water Management Board rules 74:02:04 and 74:02:05, which were promulgated pursuant to SDCL 46-6-6.1. These rules provide for the regulation of large capacity wells to the degree necessary to maintain an adequate depth of water for a prior appropriator in wells that have the ability to produce water **independent of artesian pressure**. Simply put, the pump placement in a prior appropriator's well is not necessarily protected.

If the water levels in the Minnekahta aquifer were to decline, owners of existing wells bear the responsibility of lowering the pump inlet in the well to twenty feet below the top of the aquifer, if necessary. Increased lift would decrease the pump discharge; or require a larger pump or a different type of a pump to maintain the same output.

An increase in operating expenses that may result from interference between wells is not necessarily an adverse impact. The Water Management Board considered this situation in the matter of Water Permit Application 2313-2, Coca-Cola Bottling Company of the Black Hills (Water Rights, 1995). The Board adopted findings of fact and conclusions of law that basically state that if the increased cost or decreased production is considered an adverse impact, it could be in conflict with SDCL 46-1-4, which requires South Dakota's water resources to be put to beneficial use to the fullest extent of which they are capable.

CONCLUSIONS:

1. Water Permit Application No. 2756-2 proposes to appropriate water from the Minnekahta aquifer for commercial and domestic use, at maximum diversion rates of 0.033 cfs and 1.5 acre-feet annually.
2. Approval of this application will not result in average annual withdrawals from the Minnekahta aquifer to exceed the average annual recharge to the aquifer.
3. The Minnekahta aquifer is a viable aquifer in this area and there is a reasonable probability that unappropriated water is available for this proposed appropriation.
4. Well interference is not expected to be significant and will not adversely impact existing users.



Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

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- Carter, J.M., Driscoll, D.G., and Hamade, G.R., 2001, Estimated recharge to the Madison and Minnelusa aquifers in the Black Hills area, South Dakota and Wyoming, water years 1931-1998: U.S. Geological Survey Water-Resources Report 2000-4278, 66 p.
- Driscoll, D.G., and Carter, J.M., 2001, Hydrologic Conditions and Budgets for the Black Hills of South Dakota Through Water Year 1998: U.S. Geological Survey Water-Resources Report 01-4226, 143 p.
- Driscoll, D.G., Carter, J.M., Williamson, J.E., Putnam, L.D., 2002, Hydrology of the Black Hills Area, South Dakota: U.S. Geological Survey Water-Resources Report 02-4094, 150 p.
- Driscoll, D.G., Hamade, G.R., and Kenner, S.J., 2000, Summary of Precipitation Data for the Black Hills Area of South Dakota, Water Years 1931-98: U.S. Geological Survey Water-Resources Report 00-329, 151 p.
- Eldridge, W. (2016, August 26). Re: tilford [E-mail to the author].
- Gries, J.P., 1975, Paleozoic Rocks: Mineral and Water Resources of South Dakota, Committee on Interior and Insular Affairs, United States Senate, Pg. 38
- Lisenbee, A.L., Hargrave, R.G., 2005, Geologic Map of the Blackhawk Quadrangle, South Dakota: South Dakota Department of Environment and Natural Resources Geologic Survey 7.5 Minute Series Geologic Quadrangle Map 5, Scale 1:24,000
- Water Rights, 1983-2016, Irrigation Questionnaire Summary, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD
- Water Rights, 1995, Findings of Fact, Conclusions of Law and Final Decision in the Matter of Water Permit Application No. 2313-2, Coca-Cola Bottling Company of the Black Hills: S.D. DENR-Water Rights Program Water Right File No.2313-2
- Water Rights, 2016a, Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD
- Water Rights, 2016b, Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD
- Water Rights, 2016c, Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD

Affidavit of Publication

STATE OF SOUTH DAKOTA

County of Pennington

SS:

Sept. 14 L21009957
NOTICE OF APPLICATION
NO. 2756-2 to Appropriate Water

Notice is given that Chad Gollnick, 4758 Sturges Rd, Rapid City SD 57702 has filed an application for a water permit to appropriate up to 1.5 acre feet of water annually at a maximum diversion rate of 0.033 cubic feet of water per second (15 gallons per minute) from one well completed into the Minnekahta Aquifer (240 feet deep) located in the SW 1/4 NE 1/4 Section 17-T2N-R7E for commercial use of Iron Outfitters and to supply domestic use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2756-2 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 September 26, 2016.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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.

/s/ Steven M. Pirner,
Secretary, Department of Environment and Natural Resources.

(Published once at the total approximate cost of \$59.98).

Carina Tyler being first duly sworn, upon his/her oath says: That he/she is now and was at all time hereinafter mentioned, an employee of the RAPID CITY JOURNAL, a corporation of Rapid City, South Dakota, the owner and publisher of the RAPID CITY JOURNAL, a legal and daily newspaper printed and published in Rapid City, in said County of Pennington, and has full and personal knowledge of all the facts herein stated as follows: that said newspaper is and at all of the times herein mentioned has been a legal and daily newspaper with a bonafide paid circulation of at least Two Hundred copies daily, and has been printed and published in the English language, at and within an office maintained by the owner and publisher thereof, at Rapid City, in said Pennington County, and has been admitted to the United States mail under the second class mailing privilege for at least one year prior to the publication herein mentioned; that the advertisement, a printed copy of which, taken from said Rapid City Journal, the paper in which the same was published, is attached to this sheet and made a part of this affidavit, was published in said paper once each day for 1 successive day, the first publication there of being on the 14 day of Sept. 2016 that the fees charged for the publication there of are 59 dollars and 98 cents.

Subscribed and sworn to before me this day of September, 2016.

Notary public

DUSTIN RICE



NOTARY PUBLIC
SOUTH DAKOTA



7/1/20
My commission expires

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, September 06, 2016 4:07 PM
To: 'RCY Legals'
Subject: RE: water right permit application
Attachments: 2756-2publicnov2015.short1.docx; FORM8.FRM.doc

Yes, just hadn't got it send.

Attached is a notice to be published on September 14, 2016.

Chad Gollnick, 4758 Sturgis Rd, Rapid City SD 57702 (605 342-2266) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak

Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352

From: Brandyn Crawford [<mailto:Brandyn.Crawford@rapidcityjournal.com>] **On Behalf Of** RCY Legals
Sent: Tuesday, September 06, 2016 3:45 PM
To: Schlaak, Karen
Subject: FW: water right permit application

Karen,

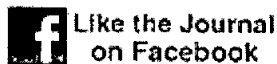
Do you have this for me to publish?

Thank You,

Brandyn Crawford
Marketing & Branding Director
Office – (605) 394-8334
brandyn.crawford@lee.net

RAPID CITY Journal

MEDIA GROUP



Shoot for the moon. Even if you miss, you'll land among the stars. ~Les Brown

From: Iron Outfitter [<mailto:cgollnick@ironoutfitter.com>]

Sent: Tuesday, September 06, 2016 1:16 PM

To: RCY Legals

Subject: Fwd: water right permit application

Attention: Brandon

Chad Gollnick
Cell 605-415-5090

Mailing Address:

Iron Outfitter
Attention: Chad Gollnick
PO Box 825
Black Hawk, SD 57718

Verbiage APPROVED

----- Forwarded message -----

From: Gronlund, Eric <Eric.Gronlund@state.sd.us>

Date: Tue, Sep 6, 2016 at 8:29 AM

Subject: water right permit application

To: "cgollnick@ironoutfitter.com" <cgollnick@ironoutfitter.com>

Chad

Attached is a cover letter, staff report, recommendation and public notice on your water permit application. This same material is being sent to you by US Mail.

Please review and if everything looks okay, contact the newspaper to authorize publication of the public notice. The phone number is in the cover letter. DENR sends the notice to the newspaper with instruction to publish only if the applicant contacts them to authorize publication.

Let us know if you have any questions.

Eric Gronlund
Water Rights Program, DENR
605 773-3352
Eric.gronlund@state.sd.us

--

Chad Gollnick
Iron Outfitter
Shop: 605-342-2266
Cell: 605-415-5090
Fax: 605-413-1563



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

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

September 6, 2016

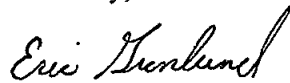
Chad Gollnick
4758 Sturgis Rd
Rapid City SD 57702

Dear Mr. Gollnick:

Water Permit Application No. 2756-2 for commercial and domestic use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Rapid City Journal printed at Rapid City SD (Ph # 605-394-8300). You will need to contact the newspaper(s) 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(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. 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.

Instruction to Newspaper - Publish the Notice on September 14, 2016. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 2756-2 to Appropriate Water

Notice is given that Chad Gollnick, 4758 Sturgis Rd, Rapid City SD 57702 has filed an application for a water permit to appropriate up to 1.5 acre feet of water annually at a maximum diversion rate of 0.033 cubic feet of water per second (15 gallons per minute) from one well completed into the Minnekahta Aquifer (240 feet deep) located in the SW 1/4 NE 1/4 Section 17-T2N-R7E for commercial use at Iron Outfitters and to supply domestic use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2756-2 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 September 26, 2016.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

OCT 07 2016

Chad Gollnick
4758 Sturgis Rd
Rapid City SD 57702

Dear Mr. Gollnick:

Enclosed is Water Permit No. 2756-2 authorizing construction of the 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,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

2756-2

SD EForm - 1311LD V1

Form 10

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

MAIL TO: PMB 2020
DENR - Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

Date X 5/5/17

FROM:

Chao Gallnick
(name)
4758 Sturgis Rd
(address)
Rapid City S.D. 57702 605-415-5090
(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. 2756-2 states that the water use system is to be constructed by

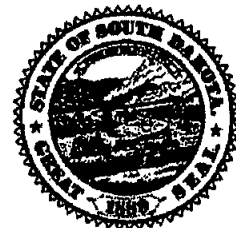
9/26/21, and water is to be put to beneficial use by 9/26/25
(date) (date)

The water use system was completed on 2/16/16
(date)

Applying the water to beneficial use was completed on X 2/18/2016
(date)

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

X [Signature]



Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 2756-2

I have this day, May 15, 2017 made a thorough examination of the water use system constructed by **Chad Gollnick, 4758 Sturgis Rd, Rapid City, SD 57702** of Permit No. **2756-2**, bearing the priority of **7/25/2016** authorizing the diversion of **0.033** cu. ft. per second of the water from one well for commercial purposes (Iron Outfitters), in Pennington County.

Inspection contact & relationship to permit holder, if applicable: **Chad Gollnick, owner**
P.O. Box 825, Black Hawk, SD 57718
605-415-5090 (cell)

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Alexander Drilling (2016)
- 2) No. of Wells 1
- 3) Depth(s) 240 feet
- 4) Well log is available Yes

Casing:

- 1) Diameter 5"
- 2) Length 200 feet
- 3) Type PVC

Screen:

- 1) Type open hole
- 2) Length 40 feet
- 3) Static water level 140 feet

Pump:

- 1) Make Grundfos
- 2) Model 10S10-15
- 3) Size 4"
- 4) Capacity 12 GPM (This is a 10 gpm pump producing 12 gpm as installed)
- 5) Horsepower rating 1 hp

Note: The well was air tested at 15 gpm at time of drilling

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

- 1) Type PE
- 2) Size 1 1/4 " inches
- 3) Pressure tank 40/60 psi setting

C. Works used to apply water to beneficial use:

The well supplies a shop for fabrication/installation of truck boxes (on lot located immediately north of well), a mobile storage unit business (on lot located immediately south of well and a residence on the well lot. The residence will be replaced with a commercial building in the near future.

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by: Yes
- 2) Exceptions to compliance are: none

E. Condition and Location:

1. The system is in good condition with the point of diversion located as follows:
2,233' S and 1,817' W of the NE corner Section 17 T2N R7E (44.13414, -103.299033)
2. The works are capable of diverting and conveying to the place of use .027 cu. ft. per second (12 gpm) of water which is to be used for **commercial** use and the license should be issued for .027 cfs.
3. All structures, wells and lands on map: **No, well only**

F. Comments or other permit(s) associated with the project: none



Steven Quissell
Water Rights Inspector
DENR, Water Rights Program

Date report completed: 5/15/2017



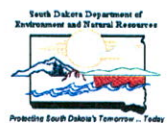
Well (left), pressure tank pit (right), residence background

Water Right #2756-2
Chad Gollnick - Iron Outfitters
5/15/17



Steven Quissell

Steven Quissell
Water Rights Inspector
DENR Water Rights Program



STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2756-2

(1) Chad Gollnick, 4758 Sturgis Rd., Rapid City SD 57702 made Application No. 2756-2, July 25, 2016 for a water permit to divert 0.033 cubic feet of water per second (1.5 acre feet annually) from ground water, one well (Minnekahta Aquifer), Pennington County, South Dakota for commercial and domestic use purposes. Permit No. 2756-2, with a priority date of July 25, 2016 was approved September 26, 2016 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before September 26, 2021 and for the application to beneficial use of said water on or before September 26, 2025.

The Permit holder submitted a "*Notice of Completion of Works and Application of Water to Beneficial Use*" on May 15, 2017. The "*Notice*" stated the water use system was completed and the water placed to beneficial use in February 2016.

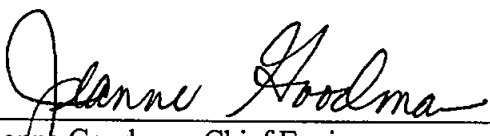
(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.027 cubic feet of water per second (1.5 acre feet annually) for beneficial use. The location of the diversion point is 2,233'S and 1,817'W of the NE corner of Section 17, T2N, R7E (SW ¼ NE ¼).

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

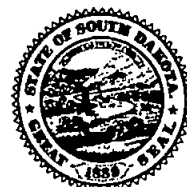
(4) Pursuant to South Dakota Water Law 46-5-30.1 Chad Gollnick, 4758 Sturgis Rd., Rapid City SD 57702 the holder and/or owner of Water Right No. 2756-2 is issued a license to appropriate water, the right to use 0.027 cubic feet of water per second from ground water, one well (Minnekahta Aquifer) with a priority date of July 25, 2016 from the location specified in (2) of this license for commercial and domestic use purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 2756-2 and subject to the following qualifications:

- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Minnekahta Aquifer.
- Water Permit No. 2756-2 authorizes a total annual diversion of 1.5 acre feet of water.


Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 20 2017
date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUN 20 2017

2756-2

Chad Gollnick
4758 Sturgis Rd
Rapid City SD 57702

Dear Mr. Gollnick:

Enclosed is Water License No. 2756-2. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

As long as you use the water beneficially, as stated in the Water License, 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,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures