

WATER PERMIT NO. 1968-1

Name of Applicant: Venekamps LLC

Address: 22478 Bennet Rd, Rapid City SD 57701

Phone: 605 391-7366

Amount of Water Claimed: 0.11 cfs (29 AF)

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: suburban housing development

County: Meade

Type of Waste Disposal System:

Location: 2 miles west of Ellsworth AFB

PRIORITY

Date Received: 4-27-17

Application/License Fee: \$ 700 (refund \$50)

Corrected Application Received:

Period of Annual Use: January 1 – December 31

Remarks:

Diversion Point: NE 1/4 NW 1/4 Sec 10-T2N-R8E

Land to be Irrigated: NA

Depth of Well: 2170 feet deep

Well Driller: Rapid Drilling LLC

Remarks:

Type of Map: plat

Prepared by:

Reviewed and the Number Assigned on: 4-27-17

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



RECEIVED

APR 27 2017

WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>1968-1</u>	(office use only) Hydrologic Unit <u>1012011</u>
	Basin <u>Upper Cheyenne</u>	
	Newspaper <u>Meade County Times-Tribune, Sturgis</u>	
	<u>Rapid City Journal</u>	

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	

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.)

1. Name to Appear on Water Permit VENEKAMPS LLC. / WILLIS VENKAMP VENEKAMPMailing Address 22478 BENNETT ROAD Rapid City SD 57701
(Address) (City) (State) (Zip Code)Phone 605-391-7366 Mobile 605-391-7366 Email willisvenekamp@gmail.com2. Amount of water claimed 0.11 *CFS or 50 **GPM and 29 ***AF or 9.5M 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)3. Source of water supply Groundwater (NE 1/4 NW 1/4)4. Location of point of diversion ONE (1) WELL IN NW 1/4 SECTION 10 T2N R8E County Meade
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☒ NoIf "Yes," where will water be used? Subdivision located: N 1/2 NW 1/4 SEC 10-T2N-R8E
(example - NW 1/4 section 12-T104N-R53W)5. County or counties where water will be used MEADE COUNTY6. Annual period during which water is to be used January 1 - December 31

7. 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)

New subdivision, Bridle Ridge Estates, Meade County, Box Elder, South Dakota.
See attached Exhibit A, Boundary Survey and Topographic Mapping of Bridle Edge Estates, and Preliminary Plat.

1. Willis Venekamp MANAGING MEMBER, 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. 1968-1**

Date of first receipt of application April 27, 2017.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1968-1 to Venekamps LLC, c/o Willis Venekamp, 22478 Bennett Rd, Rapid City SD 57701 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. 1968-1 appropriates up to 29 acre-feet of water annually at a peak diversion rate of 0.11 cubic feet of water per second from one well completed into the Inyan Kara Aquifer (perforated at 2144 feet deep) located in the NE 1/4 NW 1/4 Section 10 for a water distribution system (Bridle Ridge Estates) located in the N 1/2 NW 1/4 Section 10; all in T2N-R8E.
2. The water appropriated shall be used for the purpose of water distribution system 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. 1968-1 is July 17, 2017.
5. The date from which applicant may claim right is April 27, 2017.
6. One-fifth of the construction is to be completed on or before January 17, 2020.
7. All construction is to be completed on or before July 17, 2022.
8. Water is to be put to beneficial use on or before July 17, 2026.
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. 1968-1 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 Inyan Kara aquifer.
3. Water Permit No. 1968-1 authorizes a total annual diversion of 29.0 acre feet of water.

WATER MANAGEMENT BOARD

By: Jeanne Goodman

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

AUG 02 2017

date



SOUTH DAKOTA WATER WELL COMPLETION REPORT

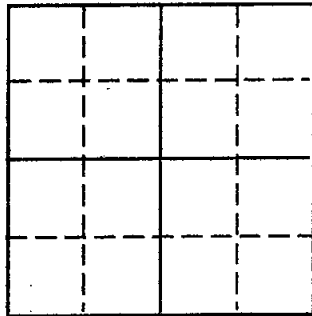
11-02

Location NE 1/4 NW 1/4 Sec 10 Twp 2 Rg 8E

County Meade

North

Please mark well location with an "X"



Well completion Date

4-4-17

1 Mile

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

? 200 ft. from Septic (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
45.5 LB/FT	10 7/8 IN	0 FT	40 FT	12 1/4 IN
23 LB/FT	7 IN	+2 FT	987 FT	8 3/4 IN
11.6 LB/FT	4 1/2 IN	951 FT	2144 FT	6 1/4 IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Cement	8	Lb/gal	0 Ft	40 Ft
Cement	170	Lb/gal	0 Ft	987 Ft

Describe grouting procedure Cement 156 987 - 2144

Pressure Grouted Through Casing

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information

2030 - 2045 1/4 SPTS / FOOT

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?
☒ No, Why Not?

Lab sample sent to for water quality analysis

Not completed

Well Owner:

VENEKAMPS LLC

Business Name:

Address:

22478 Bennett Rd

City, State, Zip:

Rapid City S.D. 57701

WELL LOG:

DEPTH

FORMATION	FROM	TO
Till	0	35
Shale	35	1450
Green horn	1450	1480
Shale	1480	1615
Sandy Shale	1615	1650
Shale	1650	1890
Tyrone Horne	1890	2133
Morrison	2133	2170

STATIC WATER LEVEL

345

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:

Air pumped

☐ Bailed

☒ Other

Pumping Level Below Land Surface

500

Ft. After

7 Hrs. pumped

50

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

Electronically Perforated.

2030 - 2045

4 shots per ft.

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APR 27 2017

WATER RIGHTS PROGRAM

This well was drilled under license #

739

And this report is true and accurate.

Drilling firm:

Rapid Drilling L.L.C.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

4-10-17

523 E. Capitol Ave.

Pierre SD 57501

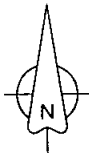


EXHIBIT A

FOR THE PURPOSE OF SHOWING A WELL, LOCATED ON TRACT 1
OF DELKER SUBDIVISION, LOCATED IN THE N1/2 OF SECTION 10,
T2N, R8E, B.H.M., MEADE COUNTY, SOUTH DAKOTA.

SCALE: 1"=300'

MARCH 2017

4

3

1/4 CORNER

224 th STREET

9

10

1797.23'
N 82°13'43" W

903.75'
N 75°14'47" E

WELL

TRACT 1
DELKER SUBDIVISION
78.622 ACRES

RECEIVED

APR 27 2017

WATER RIGHTS
PROGRAM

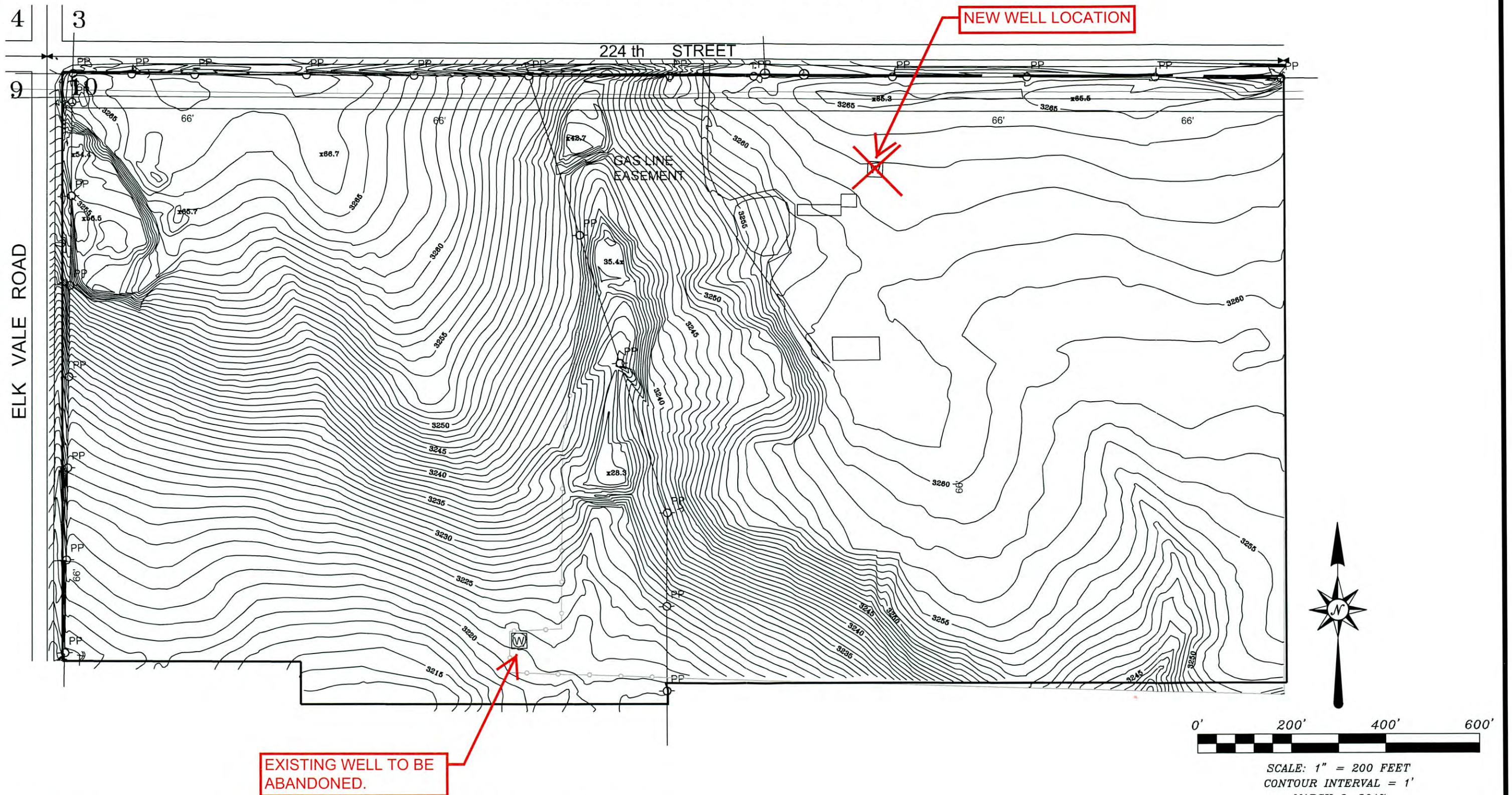
ELK VALE ROAD

LOT 7R
BLOOD SUBDIVISION

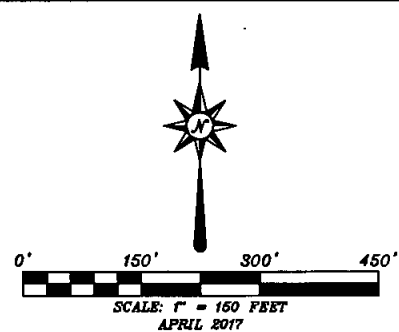
Prepared By: Baseline Survey Inc. 1921 Lazelle Street, Sturgis SD 57785 (605) 490-1401

BOUNDARY SURVEY AND TOPOGRAPHIC MAPPING OF BRIDLE RIDGE ESTATES

Located in the N 1/2 of Section 10, Township 2 North, Range 8 East,
Black Hills Meridian, Meade County, South Dakota.



Preliminary Plat of
Lots 1 thru 70, Recreation Lot and Dedicated Public Right-Of-Way of Bridle Ridge Subdivision.
 Formerly Tract 1 of Delker Subdivision. All located in the NW 1/4 of Section 10,
 Township 2 North, Range 8 East, Black Hills Meridian, Meade County, South Dakota.



Shanon E. Vasknetz
 South Dakota Registered Land Surveyor No. 7719

LEGEND

- Set 5/8" Rebar with Cap Marked 'VASKNETZ RLS 7719'
- Found Rebar with Cap Marked 'SCOTT RLS 4897'
- Unless Otherwise Noted.
- Property Corner, Not Found or Set.
- (R) Indicates dimensions previously recorded.
- (M) Indicates measured dimensions this survey.

SURVEYOR'S NOTES:

1. Geodetic North Determined by Global Positioning (GPS).
2. Utility and Minor Drainage Easement:
 8' on all interior lot lines. Removal or modification of any obstruction or impediment to such an easement shall be the responsibility of the landowner.
3. Building Restrictions:
 Per the Latest Adopted International Building Code (IBC).
4. Building Setbacks:
 Per the Box Elder Ordinance Requirements.
 25' Front and Rear, 10' all Sides and 25' All R.O.W.
5. Reference Documents:
 Plat Book 24 at Pages 6-7 as Recorded at the Meade County Register of Deeds Office.

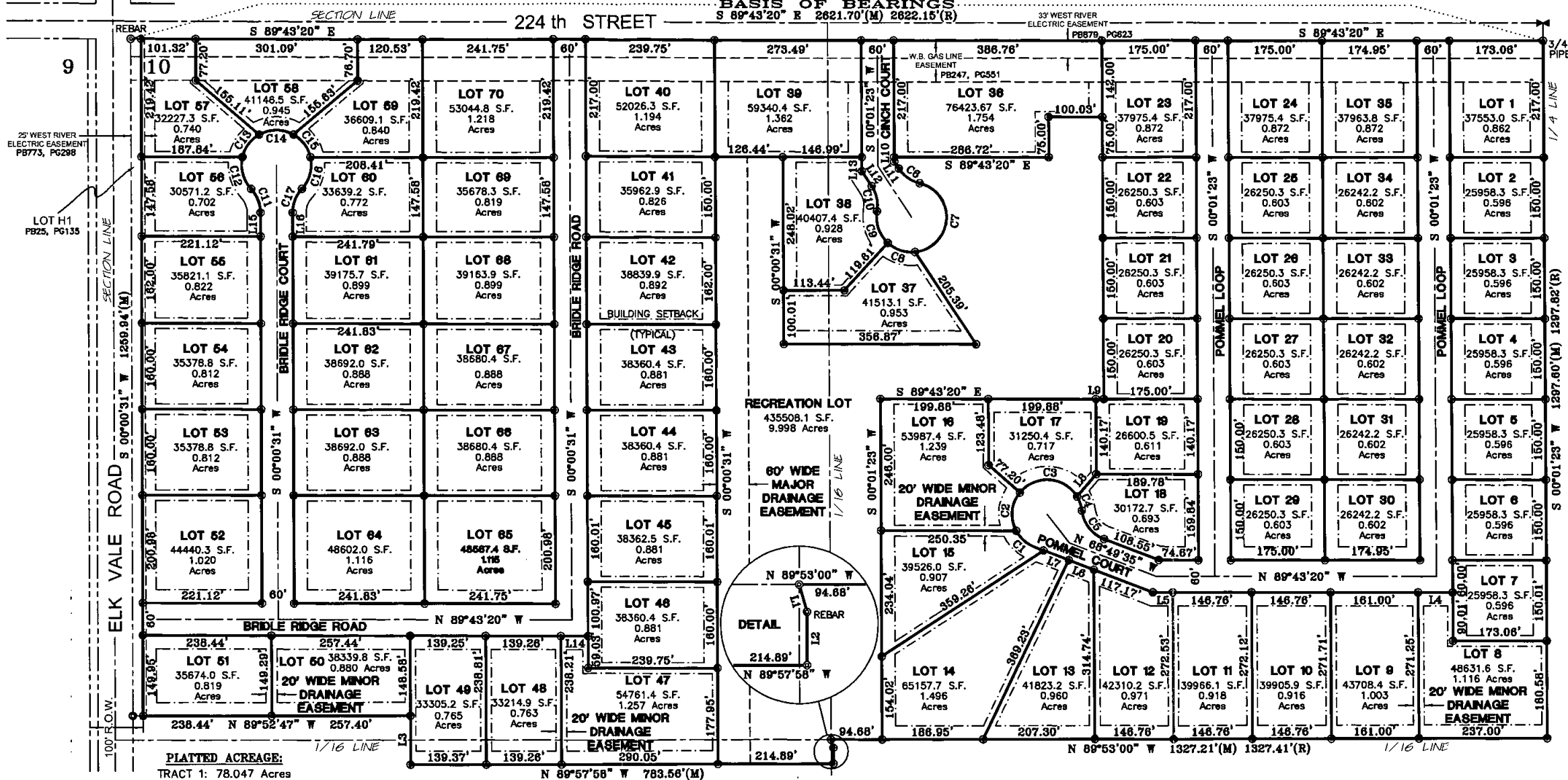
All Access Easements, Major Drainage Easements and Sanitary Sewer Easements shown hereon shall be kept free of all obstructions including but not limited to buildings, walls, fences, hedges, trees and shrubs. These easements grant to all public authorities the right to enter upon the property to construct, operate, maintain, inspect and repair such improvements and structures as reasonably necessary to effectuate its purpose.

WATER PROTECTION STATEMENT

Pursuant to SDCL § 11-3-8.1 and 11-3-8.2, the developer of the property described within this plat shall be responsible for protecting any waters of the State, including groundwater, located adjacent to or within such platted area from pollution from sewage from such subdivision and shall in prosecution of such protections conform to and follow all regulations of the South Dakota Department of Environment and Natural Resources relating to the same.

FLOODPLAIN STATEMENT

No 100-year floodplain boundary has been delineated on this plat, based on the Flood Insurance Rate Map No. 46093C-1825F, Effective Date 09-16-2011.

**PLATTED ACREAGE:**

TRACT 1: 78.047 Acres
 Dedicated Public R.O.W.:
 8.615 Acres

All Platted Lots: 69.432 Acres

LINE	BEARING	DISTANCE
L1	S 15°50'07" E	15.75'
L2	S 00°13'32" W	29.59'
L3	N 00°03'28" E	90.81'

L4	N 89°43'20" W	63.95'
L5	S 89°43'20" E	37.48'
L6	N 88°48'35" W	50.00'

L7	N 88°48'35" W	50.00'
L8	S 40°47'48" W	55.10'

LINE	BEARING	DISTANCE
L9	S 89°43'20" E	14.78'
L10	S 00°01'23" W	8.28'
L11	S 33°02'02" E	15.34'

L12	S 33°02'02" E	33.15'
L13	S 00°01'23" W	28.33'
L14	N 89°43'20" W	60.30'

L15	S 00°00'31" W	44.15'
L16	N 00°00'31" E	44.43'

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	65.00'	46.63'	41°05'57"	S 48°18'36" E	45.63'
C2	65.00'	76.24'	87°12'08"	S 05°52'28" W	71.94'
C3	65.00'	124.82'	109°51'09"	N 85°35'56" E	106.39'

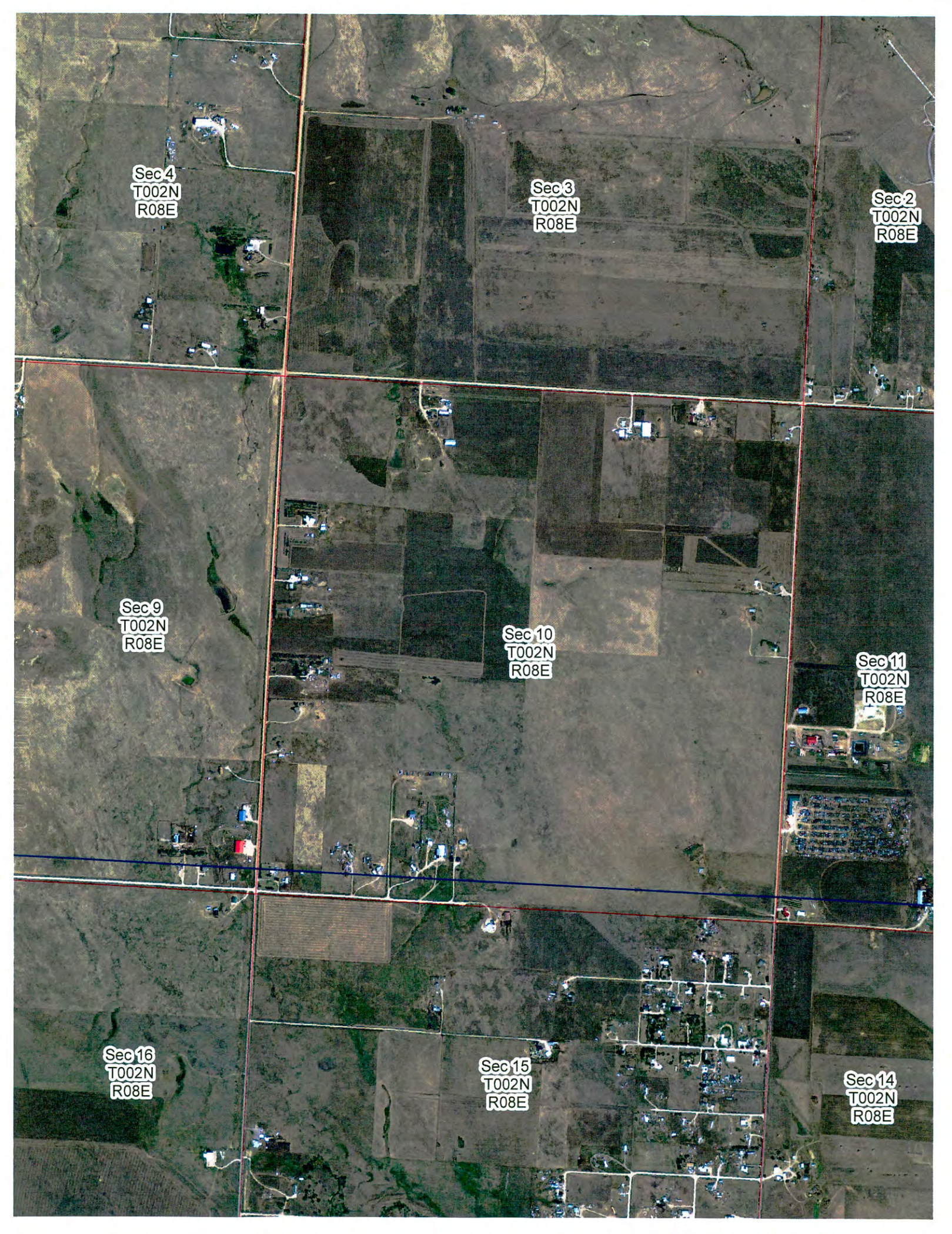
C4	65.00'	27.64'	24°21'35"	N 16°29'33" W	27.43'
C5	65.00'	70.92'	62°30'49"	N 37°34'10" W	67.45'
C6	65.00'	48.84'	43°02'57"	S 54°33'30" E	47.70'

C7	65.00'	182.12'	180°32'08"	S 04°11'06" W	128.13'
C8	65.00'	54.85'	48°20'54"	S 71°22'23" E	53.24'

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C9	65.00'	64.91'	57°12'51"	S 18°35'31" E	62.24'
C10	65.00'	48.84'	43°02'57"	S 11°30'33" E	47.70'
C11	65.00'	48.84'	43°02'57"	N 21°30'57" W	47.70'

C12	65.00'	63.82'	56°15'29"	N 14°54'41" W	61.29'
C13	65.00'	53.66'	47°17'48"	N 38°51'56" E	52.15'
C14	65.00'	67.00'	59°03'36"	S 89°57'23" E	64.07'

C15	65.00'	54.19'	47°45'51"	S 36°32'39" E	52.63'
C16	65.00'	83.21'	55°43'12"	S 15°11'52" W	60.75'
C17	65.00'	48.84'	43°02'57"	S 21°32'00" W	47.70'



Sec 4
T002N
R08E

Sec 3
T002N
R08E

Sec 2
T002N
R08E

Sec 9
T002N
R08E

Sec 10
T002N
R08E

Sec 11
T002N
R08E

Sec 16
T002N
R08E

Sec 15
T002N
R08E

Sec 14
T002N
R08E

Buhler, Ken

From: Willis Venekamp <willisvenekamp@gmail.com>
Sent: Tuesday, January 24, 2017 1:35 PM
To: Buhler, Ken
Subject: Fwd: test well

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

From: **Willis Venekamp** <willisvenekamp@gmail.com>
Date: Tue, Jan 24, 2017 at 12:33 PM
Subject: test well
To: kenbuhler@state.sd.us

Willis Venekamp of Venekamps LLC is requesting permission to drill a test well to a depth of approximately 2200 feet into the Lakota formation. This well will be located on Parcel 26.71.01 N1/2NW1/4 Section 10 Township 2 North Range 8 East of the Black Hills Meridian, Meade County, South Dakota. Rapid Drilling will be the drilling company performing the work



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

January 24, 2017

Willis Venekamp
Venekamps LLC
222478 Bennett Road
Rapid City, SD 57701

Dear Mr. Venekamp:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, Venekamps LLC. is authorized to construct a test well on Parcel 26.71.01 N½ NW¼ Sec.10, T2N-R8E, Pennington County, prior to approval of a water permit. The well will be completed into the Inyan Kara aquifer and is expected to be approximately 2,200 feet deep. The test well must be constructed in accordance with the SD Well Construction Standards. Any test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

Authorization must be obtained before water from the well can be used in excess of reasonable domestic use for the proposed housing development. "Reasonable domestic use," is defined as the use of 25,920 gallons of water per day or less as necessary for domestic purposes, with a maximum pumping rate of 18 gallons per minute.

Approval of this test well request does not assure issuance of a water permit. Following a public hearing in which the Water Management Board will assess the availability of water, the potential impacts to existing users, the beneficial use, and the public interest of the water permit the Board may approve, deny, or defer consideration of the permit application.

Very truly yours,

JEANNE GOODMAN, Chief Engineer
Water Rights Program
(605) 773-3352



South Dakota Secretary of State

SHANTEL KREBS

Filing Information

Name: **Venekamps LLC**

General Information

SOS Business ID DL128036
Filing Type: Limited Liability Company - Domestic
11/21/2016
Status: Good Standing
Duration Term: Perpetual
Managed By: Member-Managed

Registered Agent Address
WILLIS R. VENEKAMP
22478 BENNETT ROAD
RAPID CITY, SD 57701-7378

Principal Address
22478 BENNETT ROAD
RAPID CITY, SD 57701-7378

The following document(s) was/were filed in this office on the date(s) indicated below:

<u>Date Filed</u>	<u>Filing Description</u>	<u>Image #</u>
11/21/2016	Initial Filing	B0012-8604

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 4/27, 20 17

RECEIVED OF Venekamps LLC 22478 Bennett Rd Rapid City SD 57701

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	550	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. _____	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	750 00

No. **08240**

By Jeanne Goodman
Chief Engineer

August 2, 2017

PAYMENT REQUEST FORM

PAYEE: Venekamps LLC
% Willis Venekamp
22478 Bennet Road
Rapid City, SD 57701

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Over payment of application/license fee

AMOUNT: \$50.00

FUNDING SOURCE:

GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:

A handwritten signature in black ink, appearing to read "Joanne Goodman", is written over the "AUTHORIZATION:" label.

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct.
I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1968-1, Venekamps LLC**

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. 1968-1, Venekamps LLC, c/o Willis Venekamp, 22478 Bennett Rd, Rapid City SD 57701.

The Chief Engineer is recommending APPROVAL of Application No. 1968-1 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. 1968-1 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 Inyan Kara aquifer.
3. Water Permit No. 1968-1 authorizes a total annual diversion of 29.0 acre feet of water.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
June 28, 2017

REPORT TO THE CHIEF ENGINEER

Water Permit Application No. 1968-1

Venekamps LLC

June 8, 2017

Water Permit Application No. 1968-1 proposes to appropriate 29 acre-feet of water annually at a maximum diversion rate of 0.11 cubic feet per second (cfs) from a well completed into the Inyan Kara aquifer (INKR). The well is completed to an approximate depth of 2,144 feet deep and is located in the NE ¼ NW ¼ of Section 10, T002N-R08E. The water from this application will be used for a water distribution system (Bridle Ridge Estates) located in the N ½ NW ¼ Section 10, T002N-R08E.

AQUIFER: Inyan Kara (INKR)

HYDROGEOLOGY

The Inyan Kara Group is comprised of two unconformable geologic formations: the Fall River Formation and the underlying Lakota Formation. The Fall River Formation is a brown to reddish-brown, fine-grained sandstone, with bedding ranging from thin at the top, to massive at the bottom (Carter and Driscoll, 2003). The Lakota Formation consists of lenticular beds of yellow, brown, and reddish-brown sandstone, pebble conglomerate, siltstone, and claystone (Robinson et al., 1964). According to Robinson et al (1964), the Lakota Formation has “the most varied composition of any formation in the area, and the composition changes rapidly both laterally and vertically”. The Inyan Kara aquifer is comprised of the sandstones within the Inyan Kara Group (Kyllonen and Peter, 1987).

Information from the Water Well Completion Report submitted with this application shows that the Inyan Kara Group is slightly over 240 feet thick at the proposed location with the top of the formation at a depth of 1,890 feet. At this location, the Inyan Kara Group underlies over 200 feet of Skull Creek Shale and overlies at least 40 feet of shale from the Morrison Formation. At the time of completion (04/04/17), this well had a static water level of 345 feet, indicating that the aquifer in this location is under confined conditions. Groundwater flow in this area generally radiates outwards from the Black Hills, and in this location, the direction of groundwater flow in the Inyan Kara aquifer is generally from west to east (Strobel et al., 2000).

South Dakota Codified Law 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a 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 within the Inyan Kara aquifer.

WATER AVAILABILITY

The probability of unappropriated water 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.” If the source of the water is older than or stratigraphically lower than the Greenhorn Formation and a water distribution system has applied for a permit, the Board need not take into consideration the balance of aquifer recharge and withdrawal. Although the Inyan Kara aquifer is older or stratigraphically lower than the Greenhorn Formation and a water distribution system is involved, a brief discussion on recharge/withdrawals from the aquifer is included below.

Hydrologic Budget

Recharge

Recharge to the Inyan Kara aquifer is through infiltration of precipitation where it outcrops around the Black Hills, and in Central South Dakota there is some evidence of leakage from the underlying Paleozoic aquifer (Driscoll and Carter, 2001). The average annual recharge to the Inyan Kara aquifer has not been quantified, however the precipitation component of the recharge from the Black Hills outcrop area was estimated to be 11,600 acre-ft per year by Driscoll and Carter (2001) using data from 1950-1998. This estimate was only for the Inyan Kara aquifer that outcrops in South Dakota, so there may be additional recharge in other parts of the Inyan Kara aquifer from precipitation at outcrops in other states.

Discharge

Currently there are 183 water rights/permits appropriating water from the Inyan Kara aquifer in South Dakota, with one future use permit for the city of New Underwood, SD (Water Rights, 2017a). Buhler (2012) estimated the average annual withdrawal from the Inyan Kara aquifer in South Dakota to be 10,700 ac-ft/yr. This estimate was based on: 1.) annual water use reported in the latest public water system survey for municipal, suburban housing development, and rural water system appropriations where applicable; 2.) calculated annual use based on permitted animals and rates of 20 gallons per day for beef cattle, 5 gallons per day for swine, 15 gallons per 100 turkeys, and 9 gallons per 100 chickens for large confinement operations permitted by the DENR; 3.) irrigation questionnaire reporting for irrigation permits when available; 4.) the most current water use reported for non-irrigation appropriations that are required to report, and 5.) assuming unreported water rights/permits limited to an annual volume will be used to the maximum and water rights/permits limited by diversion rate will be used 60% of continuous pumping at the maximum diversion rate for their annual use period.

In the years since Buhler (2012) estimated the average annual withdrawal, there have been 7 additional water rights/permits issued for the Inyan Kara aquifer. Using the same withdrawal parameters as Buhler (2012), these additional appropriations are estimated to increase the average annual withdrawal by 458 ac-ft/year. This application is proposing to appropriate 29 ac-ft/year, increasing the total appropriations since 2012 to 487 ac-ft/year. Assuming that the other water uses have not significantly changed since 2012, the current estimated average annual withdrawal is 11,187 ac-ft/year.

Hydrologic Budget

The estimated annual recharge to the Inyan Kara aquifer from precipitation on the outcrop in South Dakota is 11,600 acre feet per year, and the estimated annual discharge is 11,187 acre feet per year. These estimates show that discharge is less than recharge, showing that there is a

reasonable probability that unappropriated water is available in the Inyan Kara aquifer to support the proposed application.

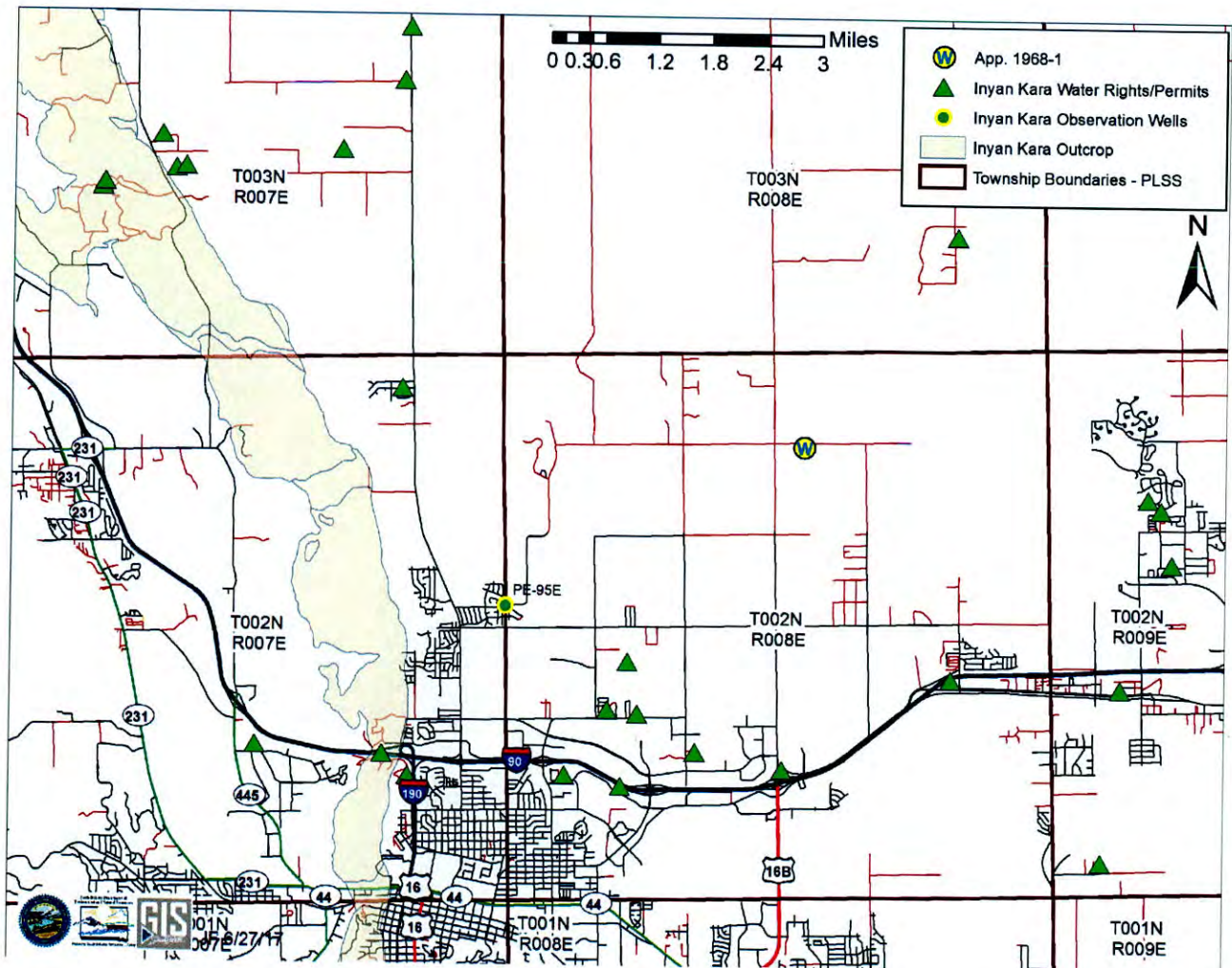


Figure 1. Map showing water rights/permits and observation wells in the Inyan Kara aquifer near this application (Water Rights, 2017a and 2017c)

Localized Hydrologic Budget

The location of this well is less than five miles from the outcrop of the Inyan Kara aquifer, and by looking locally at the area of the outcrop, an estimate of the recharge available from precipitation for this application and the other existing water rights/permits upgradient and downgradient can be made. The potentiometric contours of the Inyan Kara aquifer were calculated for the area surrounding the Black Hills by Strobel and others (2000). As the Inyan Kara aquifer in this area is under artesian conditions, the cone of depression of a pumped well can extend for some distance. Taking into account the potential for an extensive cone of depression, and where it would capture groundwater flow, the portion of the Inyan Kara outcrop that contributes recharge for this local area extends for approximately two miles and has an area of approximately 1,200 acres.

This local Inyan Kara aquifer recharge area currently supplies water to three public water supply systems, however Weston Heights and the City of Box Elder only use the Inyan Kara aquifer as a backup source of water (Drinking Water, 2017). The Rolling Dice Subdivision used 14.8 ac-ft in 2016 (Drinking Water, 2017), falling within the realm of domestic use. There are other domestic wells that use the Inyan Kara aquifer in this area, however their use is anticipated to be minor. The water rights/permits for the Inyan Kara aquifer in this localized area are for the previously mentioned public water supplies. This application proposes to use 29 ac-ft per year, increasing the estimated local use to approximately 44 ac-ft per year. Recharging 44 ac-ft from the outcrop area of 1200 acres would require an average of 0.44 inches of precipitation per year. Buhler (2016) estimated that the annual precipitation recharge to the Inyan Kara aquifer near Sturgis, SD to be 1.26 inches per year, indicating that the recharge from precipitation in this localized area is greater than the withdrawals.

Observation Well Data

The Water Rights Program monitors nine observation wells completed in the Inyan Kara aquifer (Water Rights, 2017b). The nearest observation well is PE-95E, located approximately 3.75 miles to the southwest of the well location. Observation wells PE-99B and MD-99A are respectively located 8.5 miles to south, and 9 miles to the northwest of the application's well. The difference in the elevation of the potentiometric surface between observation wells agrees with the potentiometric contours as drawn by Strobel and others (2000). Locally, PE-95E has shown the effects of seasonal pumping, with recovery occurring once pumping has ceased. The period of record for this observation well shows a gradual downward trend, with a difference of approximately 17 feet between the first observation and the reading taken on May 8th, 2017. This decreasing trend may be attributed to domestic well usage in a housing development adjacent to the observation well. PE-99B shows a gradual increasing trend, and MD-99A shows a slight decreasing trend.

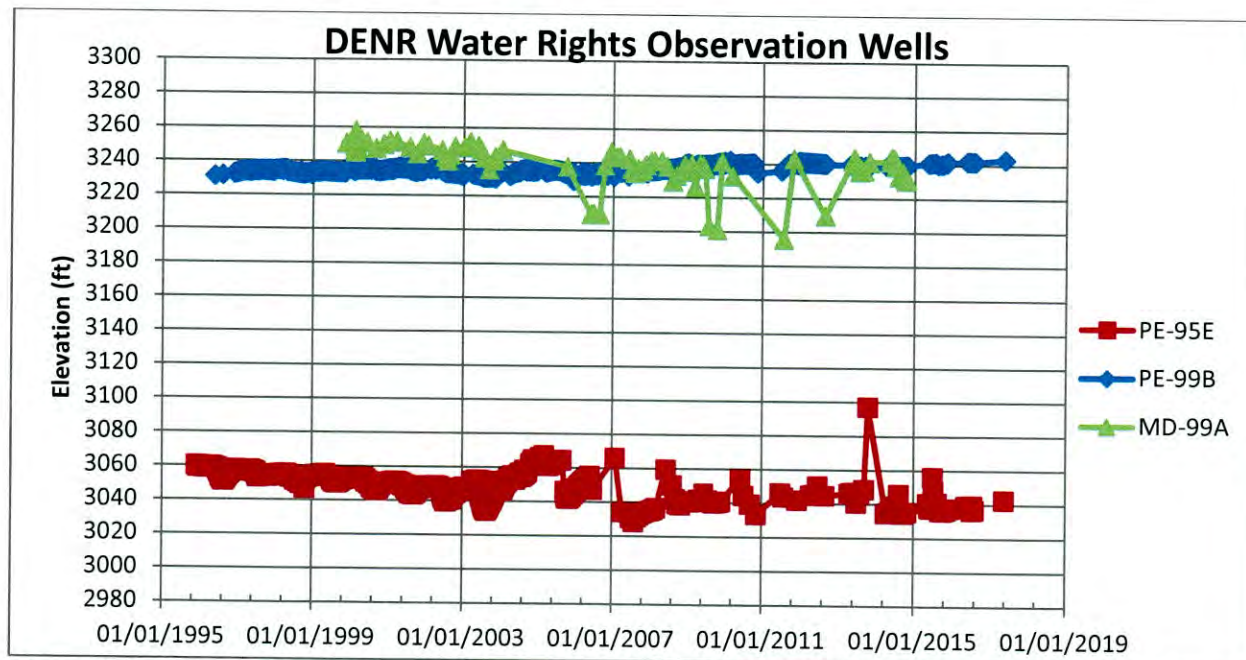


Figure 2: Hydrographs for Observation Wells PE-95E, PE-99B, and MD-99A (Water Rights, 2017b)

EXISTING WATER RIGHTS

The nearest existing water right/permit completed in the Inyan Kara aquifer that could be affected from this application is Water Right 1488-1, located down gradient, and almost 4 miles to the east, with a priority date of 04/10/1990 (Water Rights, 2017a). This right is for the City of Box Elder, and is currently used as a backup water source for the city. Given the distance to this well and the relatively low diversion rate, the drawdown affecting nearby water rights/permits as a result of pumping is not expected to be significant. The drawdown could affect domestic users that are closer to the proposed location.

The Inyan Kara aquifer is generally an artesian aquifer, and due to the physics of artesian head pressure, the drawdown from pumping may extend a considerable distance from the pumped well. SDCL 46-6-6.1 does not protect artesian head pressure as a means of delivery and the Water Management Board has consistently recognized that to place water to maximum beneficial use, a certain amount of drawdown may occur. In order to balance interests between irrigation use and delivery of water by artesian pressure, the Water Management Board defined an “adversely impacted domestic well” in ARSD 74:02:04:20(7) as:

“a well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner’s needs”

Depending on the specific characteristics of the Inyan Kara aquifer at the well site proposed by this application, some existing well owners may need to lower their pumps to accommodate for deeper water levels.

CONCLUSIONS

1. This application proposes to appropriate water for a water distribution system from a well (2144 feet deep) completed in the Inyan Kara aquifer.
2. There is a reasonable probability that unappropriated water is available from the Inyan Kara aquifer to supply the 29 acre-ft per year.
3. There is a reasonable probability that the use proposed by this application will not adversely impact adequate wells for existing water rights and domestic use.



John Farmer
SD DENR – Water Rights Program

REFERENCES

- Buhler, K.A., 2012, Report to the Chief Engineer on Water Permit Application No. 2686-2, Powertech (USA) Inc., November 2, 2012: SD DENR Water Rights Program Water Permit Application File No. 2686-2
- Buhler, K.A., 2016, Report to the Chief Engineer on Water Permit Application No. 1958-1, City of Sturgis, April 18, 2016: SD DENR Water Rights Program
- Carter, J.M., and Driscoll, D.G., 2003. Ground-Water Resources in the Black Hills Area, South Dakota. Water-Resources Investigations Report 03-4049. U.S. Geological Survey.
- Drinking Water. 2017. Public Water System Files. SD DENR-Drinking Water Program, Joe Foss Bldg., Pierre, South Dakota.
- Discoll, D.G., and Carter, J.M., 2001. Hydrologic Conditions and Budgets for the Black Hills of South Dakota, Through Water Year 1998. Water-Resources Investigations Report 01-4226. U.S. Geological Survey.
- Kyllonen, D.P., and Peter, K.D., 1987. Geohydrology and Water Quality of the Inyan Kara, Minnelusa, and Madison Aquifers of the Northern Black Hills, South Dakota and Wyoming, and Bear Lodge Mountains, Wyoming. Water-Resources Investigations Report 86-4158. U.S. Geological Survey.
- Robinson, C.S., Mapel, W.J., and Bergendahl, M.H., 1964. Stratigraphy and Structure of The Northern and Western Flanks of The Black Hills Uplift, Wyoming, Montana, and South Dakota. Professional Paper 404. U.S. Geological Survey.
- Strobel, M.L., Galloway, J.M., Hamade, G.R., and Jarrell, G.J. 2000. Potentiometric Surface of the Inyan Kara Aquifer in the Black Hills Area, South Dakota. Hydrologic Investigations Atlas HA-745-A Northern part of area. U.S. Geological Survey.
- Water Rights. 2017a. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017b. Well Completion Report Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017c, "Observation Well Database", SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

to Appropriate Water

Notice is given that Venekamps LLC, c/o Willis Venekamp, 22478 Bennett Rd, Rapid City SD 57701 has filed an application for a water permit to appropriate up to 29 acre-feet of water annually at a peak diversion rate of 0.11 cubic feet of water per second from one well completed into the Inyan Kara Aquifer (perforated at 2144 feet deep) located in the NE 1/4 NW 1/4 Section 10 for a water distribution system (Bridle Ridge Estates) located in the N 1/2 NW 1/4 Section 10; all in T2N-R8E. This system is located approximately two miles west of Ellsworth Air Force Base.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1968-1 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 July 17, 2017.

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. Pimer
Secretary
Department of Environment
and Natural Resources

Affidavit of Publication

RECEIVED

JUL 24 2017

WATER RIGHTS
PROGRAM

STATE OF SOUTH DAKOTA

County of Meade

SS:

Jacquelyn Barth 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 MEADE COUNTY TIMES, a legal and daily newspaper printed and published in Sturgis, in said County of Meade, 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 weekly, and has been printed and published in the English language, at and within an office maintained by the owner and publisher thereof, at Sturgis, in said Meade 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 Meade County Times, 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 week for 1 successive week, the first publication there of being on the 5th day of July that the fees charged for the publication there of are 37 dollars and 78 cents.

Subscribed and sworn to before me this 18th day of July, 2017.

Dustin Rice

Notary public

DUSTIN RICE



NOTARY PUBLIC
SOUTH DAKOTA



7/1/20
My commission expires

Affidavit of Publication

RECEIVED

JUL 24 2017

WATER RIGHTS
PROGRAM

STATE OF SOUTH DAKOTA

County of Pennington

SS:

July 5 L21049422

NOTICE OF APPLICATION

NO. 1968-1 to Appropriate Water
Notice is given that Venekamps LLC, c/o Willis Venekamps, 22478 Bennett Rd, Rapid City SD 57701 has filed an application for a water permit to appropriate up to 29 acre-feet of water annually at a peak diversion rate of 0.11 cubic feet of water per second from one well completed into the Inyan Kara Aquifer (perforated at 2144 feet deep) located in the NE 1/4 NW 1/4 Section 10 for a water distribution system (Bridle Ridge Estates) located in the N 1/2 NW 1/4 Section 10; all in T2N-R8E. This system is located approximately two miles west of Ellsworth Air Force Base.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1968-1 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 July 17, 2017.

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 \$41.69)

Jacquelyn Barth 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 week for 1 successive week, the first publication there of being on the 5th day of July that the fees charged for the publication there of are 61 dollars and 69 cents.

[Signature]
Subscribed and sworn to before me this 18th
day of July, 2017.

DUSTIN RICE

Notary public

7/1/20

My commission expires



NOTARY PUBLIC
SOUTH DAKOTA



Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, June 28, 2017 1:39 PM
To: RCY Legals (legals@rapidcityjournal.com)
Subject: 1968-1, Venekamps LLC
Attachments: 1968-1public.short.docx; FORM8.FRM.doc

Jaci,

Attached is a notice to be published on July 5, 2017 in both the Rapid City Journal and the Meade County Times-Tribune.

Venekamps LLC, c/o Willis Venekamp, 22478 Bennett Rd, Rapid City SD 57701 (605 391-7366) 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 to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

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

Karen Schlaak

SD DENR, Water Rights Program
(605) 773-3352





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.**

June 28, 2017

Venekamps LLC
c/o Willis Venekamp
22478 Bennett Rd
Rapid City SD 57701

Dear Mr. Venekamp:

Water Permit Application No. 1968-1 for a water distribution system has been examined and found to comply with the South Dakota Water Laws and applicable rules. The notice needs to be published in the Meade County Times-Tribune, Sturgis SD and the Rapid City Journal. The notice has been emailed to them.

You will need to contact the Rapid City Journal (ph# 605 394-8300) to authorize publication of this notice in both the Meade County Time-Tribune and the Rapid City Journal (Rapid City Journal does legal notices for Meade County Times-Tribune). 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 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.

NOTICE OF APPLICATION NO. 1968-1 to Appropriate Water

Notice is given that Venekamps LLC, c/o Willis Venekamp, 22478 Bennett Rd, Rapid City SD 57701 has filed an application for a water permit to appropriate up to 29 acre-feet of water annually at a peak diversion rate of 0.11 cubic feet of water per second from one well completed into the Inyan Kara Aquifer (perforated at 2144 feet deep) located in the NE 1/4 NW 1/4 Section 10 for a water distribution system (Bridle Ridge Estates) located in the N 1/2 NW 1/4 Section 10; all in T2N-R8E. This system is located approximately two miles west of Ellsworth Air Force Base.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1968-1 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 July 17, 2017.

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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

AUG 02 2017

Venekamps LLC
c/o Willis Venekamp
22478 Bennett Road
Rapid City SD 57701

Dear Mr. Venekamp:

Enclosed is Water Permit No. 1968-1 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

The application was submitted with a fee of \$750.00. The application/license fee for Permit No. 1968-1 is \$700.00. Therefore, \$50.00 will be refunded to you. The refund check should be received within a couple of weeks.

A 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 information 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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 1968-1

I have this day May 13, 2021 made a thorough examination of the water use system constructed by Venekamp LLC, 22478 Bennet Rd, Rapid City, SD 57701 of Permit No. 1968-1, bearing the priority of 4/27/2017 authorizing the diversion of 0.11 cu- ft. per second of water from one well for suburban housing purposes in Meade County.

Inspection contact

Willis Venekamp

Cell 605-391-7366

Correspondence %

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Rapid Drilling
- 2) Well No. 1 (4/4/2017)
- 3) Depth 2170 feet
- 4) Well log Yes

Comments: Inyan Kara formation well

Casing:

- 1) Diameter 10 3/4 in. surface casing - 0 to 40 ft., 7 in. +2 to 987 ft., 4 1/2 in. 951 to 2144 ft.
- 2) Length 2,146 feet
- 3) Type steel

Screen:

- 1) Type shot perforated (4 shots per ft.)
- 2) Length 15 ft feet (2030-2045)
- 3) Static water level 345 feet

Pump:

- 1) Make unknown
- 2) Model 50 gpm rating
- 3) Size 6"
- 4) Capacity 70 GPM (Pump is controlled with a Variable Frequency Drive; at the time of the inspection the pump was set for 70 gpm discharge.
- 5) Horsepower rating 15 hp

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

- 1) Type Plastic pipe
- 2) Size 6" main
- 3) Length various feet

C. Works used to apply water to beneficial use:

The well serves the Bridle Ridge Estates suburban housing development which is platted for 60 lots ranging in size from 0.7 to 1.7 acres. There are 14 homes currently occupied with construction in progress on others. The well discharges to the pump house where it is treated before being pumped to a 30,000 gallon fiberglass storage tank. The storage tank gravity feeds back to the pump house. A 60 gpm constant pressure pump feeds the main lines supplying the homes and a 330 gpm constant pressure pump provides capacity needed for the fire hydrants.

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by: Yes
- 2) Exceptions to compliance are: At the time of the inspection the variable frequency drive well pump was operating at 70 gpm. Permit No. 1968-1 authorizes a peak diversion rate of .11 cfs (50 gpm). After discussing the options for compliance with the permit, Venekamp called the water system operator and requested the VFD be adjusted to a well discharge rate of 50 gpm.

E. Condition and Location:

1. The system is in excellent condition with the point of diversion located as follows:
NE ¼ NW ¼ S 10, T2N, R8E (252 ft. south and 1763 ft. east of the NW corner),
N 44.154114° W 103.144455°
2. The works are capable of diverting and conveying to the place of use 0.11 cu. ft. per second (50 gpm) of water which is to be used for **suburban housing use** and the license should be issued for 0.11 cfs.
3. All structures, wells and lands on map – **Approximate Bridle Ridge Estates boundary and well shown**

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



Steven Quissell
Water Rights Inspector
Department of Agriculture and Natural Resources
Water Rights Program

Date report completed: 5/17/2021



Well with storage in background

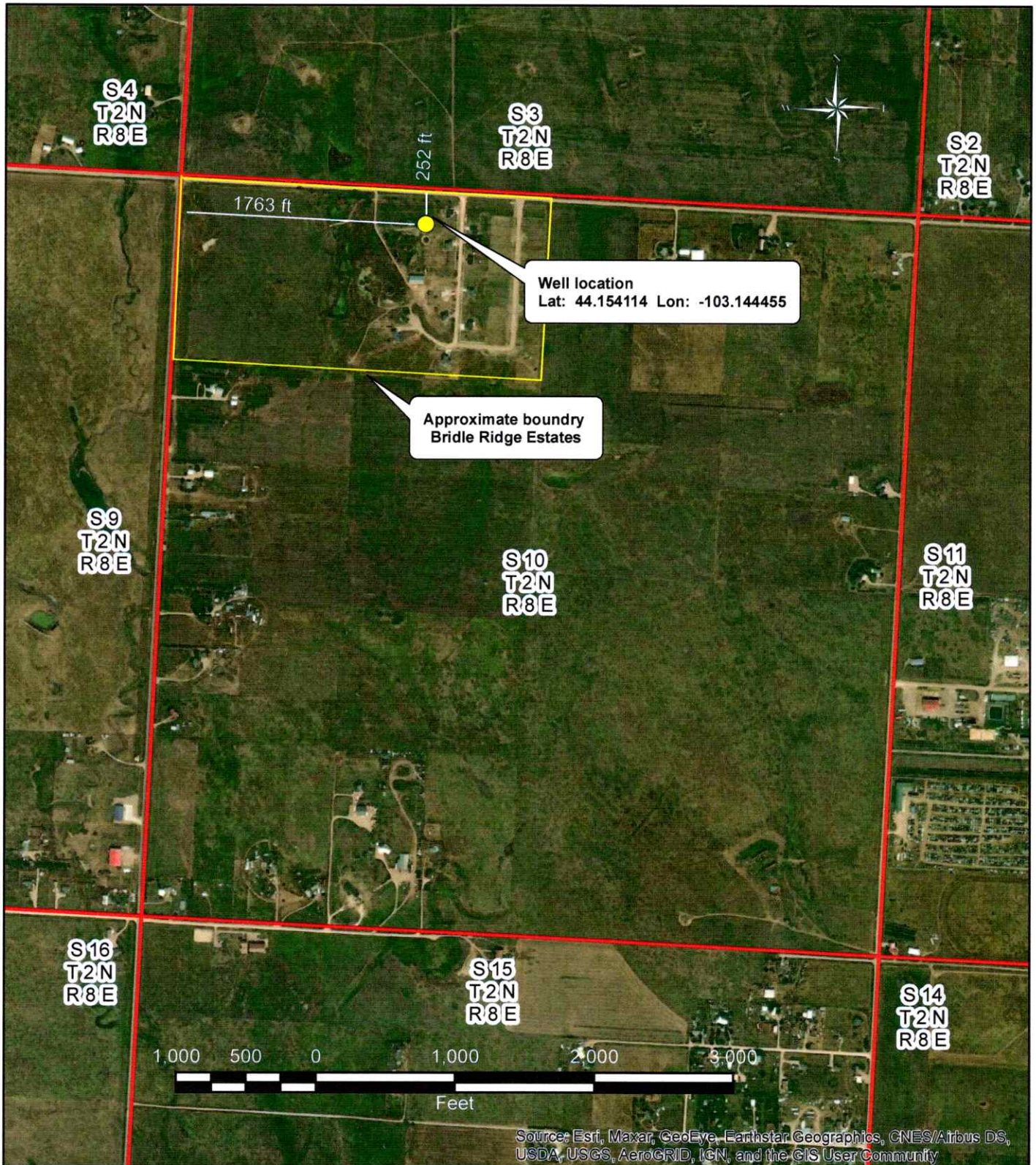


Fiberglass storage access manholes with pump house in background



Pump house appurtenances

Water Right #1968-1
Venekamps LLC
5/13/2021



Steven Quissell
Water Rights Inspector
Department of Agriculture and Natural Resources
Water Rights Program



1968-1

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

MAIL TO: PMB 2020

Date 5/13/2021

DENR - Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182

ph. (605) 773-3352

FROM:

Willis Venekamp
(name)

22478 Bennet Rd.
(address)

Rapid City SD 57701
(city) (state) (zip)

605-391-7366 (cell)
(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. 1968-1 states that the water use system is to be constructed by

7/17/2022, and water is to be put to beneficial use by 7/17/2026
(date) (date)

The water use system was completed on 3/19/2019
(date)

Applying the water to beneficial use was completed on 4/1/2019
(date)

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

X Willis Venekamp





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

MAY 16 2021

1968-1

Willis Venekamp
Venekamps LLC
22478 Bennett Rd
Rapid City SD 57701

Dear Mr. Venekamp:

Enclosed is Water License No. 1968-1. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 1968-1**

(1) Venekamps LLC, 22478 Bennett Rd, Rapid City SD 57701 made Application No. 1968-1, April 27, 2017 for a water permit to divert 0.11 cubic feet of water per second from ground water, one well (Inyan Kara Aquifer), Meade County, South Dakota for water distribution system purposes. Permit No. 1968-1, with a priority date of April 27, 2017 was approved July 17, 2017 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 17, 2022 and for the application to beneficial use of water on or before July 17, 2026.

The Permit holder submitted a "Notice of Completion of Works and Application of Water to Beneficial Use" indicating the water use system was completed on March 19, 2019 and the water placed to beneficial use on April 1, 2019.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the water supply system and is entitled to divert 0.11 cubic feet of water per second for beneficial use. The well is located as follows:

- 252'S and 1,763'E of the NW corner of Section 10, T2N, R8E (NE ¼ NW ¼)
Latitude 44.154114, Longitude -103.144455

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use supplying water to Bridle Ridge Estates housing development.

(4) Pursuant to South Dakota Water Law 46-5-30.1 Venekamps LLC, 22478 Bennett Rd, Rapid City SD 57701 the holder and/or owner of Water Right No. 1968-1 is issued a license to appropriate water, the right to use 0.11 cubic feet of water per second from ground water, one well (Inyan Kara Aquifer) with a priority date of April 27, 2017 from the location specified in (2) of this license for water distribution system purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 1968-1 and subject to the following qualifications:

- The well approved under No. 1968-1 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 water right holder shall report to the Chief Engineer annually the amount of water withdrawn from the Inyan Kara Aquifer.
- Water Right No. 1968-1 authorizes a total annual diversion of 29.0 acre feet of water.


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

MAY 13 2021
date

