

WATER PERMIT NO. 1693-1

Name of Applicant: Richard Arneson

Address: PO Box 132, Tulare SD 57476

Phone: 605 596-4237

Amount of Water Claimed: 0.033 cfs (15 gpm)

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: commercial County: Meade

Type of Waste Disposal System: septic tank

Location:

PRIORITY Date Received: 6-29-1999

Fee: \$50

Corrected Application Received:

Period of Annual Use: June 1 – September 30

Remarks: For use at Ironhorse Campground

Diversion Point:

Sec 32-T6N-R6E

Land to be Irrigated: NA

Depth of Well: 40 feet

Well Driller: S Bice Drilling Co.

Remarks:

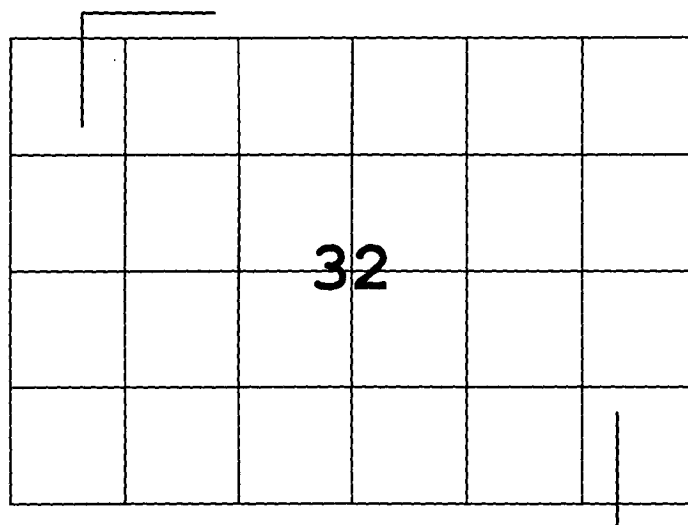
Type of Map:

Prepared by: Eric Gronlund

Reviewed and the Number Assigned on: 6-29-1999

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



**SOUTH DAKOTA
WATER PERMIT NO. 1693-1**

Date of first receipt of application June 29, 1999.

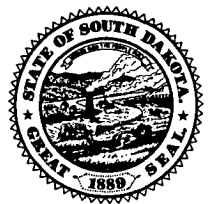
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1693-1 to Richard Arneson, PO Box 132, Tulare SD 57476 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 1693-1 appropriates 0.033 cubic feet of water per second (15 gallons per minute) from one well 40 feet deep located in the NW ¼ SW ¼ Section 32-T6N-R6E.
2. The water appropriated shall be used for the purpose of supplying water for commercial use and may not exceed the amount of water needed for beneficial use for Ironhorse Campground.
3. The water is to be used during the following described annual period: June 1 – September 30.
4. The date of approval of Permit No. 1693-1 is July 26, 1999.
5. The date from which applicant may claim right is June 29, 1999.
6. One-fifth of the construction is to be completed on or before January 26, 2002.
7. All construction is to be completed on or before July 26, 2004.
8. Water is to be put to beneficial use on or before July 26, 2008.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

WATER MANAGEMENT BOARD

By: 
John Hatch, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 4 1999
date



FORM 2: Application for uses other than irrigation
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only)	
	No. <u>1693-1</u>	Hydrologic Unit <u>10120202</u>
	Basin <u>Belle Fourche River</u>	
	Newspaper <u>Meade Co. Times-Tribune, Sturgis, SD</u>	



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

Check use(s) of water:

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

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

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

- Name of Applicant Richard Arneson Phone 605-596-4237
(check one) Owner ☒ Tenant/lessee
Mailing Address P.O. Box 132 Tuhare, SD State S.D. 57476
(Street, RR. or Box) (Zip Code)
- Amount of water claimed 0.033 *CFS or 15 **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Ground Water
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
SW 1/4 of Sec 32 Twp 6N Rg 6 EBHM
(NW 1/4 SW 1/4) County Meade
- County or counties where water will be used Meade
- Annual period during which water is to be used Aug 1 - 31 June 1 - Sept 30
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)
Water will be used for Temporary Campground
Ironhorse Campground

STATE OF SOUTH DAKOTA)

County of Spink SS

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

I, Richard Arneson, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Signed Richard Arneson

Subscribed and sworn to before me this 28th day of June 19 99

Paul Doh

Notary Public

Comm Expires 7-7-2004

Supplemental Information

(type or print in ink)



1. Well Information - ~~Proposed Construction~~

- a) Drill Hole Diameter 36" Depth 40'
- b) Casing Type Plastic Diameter 16" Thickness 15 1/2 16/FT.
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack Pea Rock Length of Gravel Pack Pea Rock to reduce bentonite above lid.
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well: _____

On applicants property _____ On property owned by others 1/4 mile

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) Septic Tank
- b) System Capacity (gallons) 4500 gal Year Constructed 1998
- c) Connected to the City of _____ Sanitary System _____

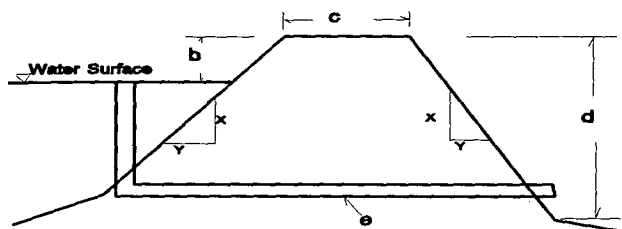
3. Dugout Information

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

4. Water Storage Dams

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

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



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

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

№ 416153

Pierre, June 29, 1999

RECEIVED OF Iron Horse Campground, Richard Arneson, P.O. Box 132, Tulare, SD 57476
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>1693-1</u> to Appropriate Water, to construct and to put water to beneficial use _____	50	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>1693-1</u> _____	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	100 00

By _____
Chief Engineer

John Hatch

Rick Arneson

Meade County

** TOTAL PAGE.001 **

Sec 32 6N 6E BHM

THIS IS NOT AN OFFICIAL WETLAND MAP.



REPORT ON WATER PERMIT APPLICATION NO. 1693-1
for Richard Arneson
June 30, 1999

Application No. 1693-1 proposes to appropriate 0.033 cfs (15 gpm) from one well approximately 40 feet deep located in the NW 1/4 SW 1/4 of Section 32, T6N-R6E BHM in Meade County. The water will be used for commercial purposes at the Ironhorse Campground.

AQUIFER - QUATERNARY ALLUVIUM (ALQ)

The alluvium consists of clay, silt, sand and gravel which is under unconfined or water table conditions in this area. The aquifer lies within the floodplain of Bear Butte Creek and is hydrologically associated with the creek and tributaries to the creek. The well log filed with this application indicates sandy clay (aquifer) from 4 to 18 feet with shale from 18 to 40 feet below land surface. The static water level was 10 feet below land surface and no pumping information was given. The well as built is constructed in accordance with SD Well Construction Standards.

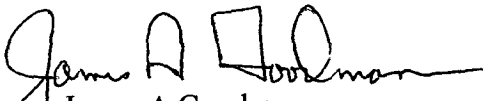
The Water Rights Program does monitor observation wells completed into the alluvium in this area but the water level record is very short. Records from other alluvial aquifers in the Black Hills simply show the relationship between climatic conditions and ground water levels, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years (Water Rights, 1999).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is another application No. 1692-1 located about one-quarter miles south of this application which obtains water from the same source. Interference is not a concern. These are shallow wells under water table conditions and drawdown created by pumping should not be significant nor extend very far from the individual production wells.

CONCLUSIONS

1. Water is available from the alluvium.
2. The aquifer is under water table conditions and drawdown is not expected to be a concern.
Interference is not a potential problem.
3. This well is constructed in accordance with SD Well Construction Standards.
4. Wastewater is disposed of on site through a septic tank.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

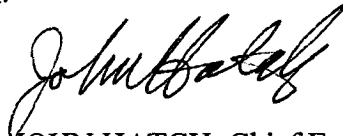
Water Rights, 1999, Unpublished Observation Well Data for Black Hills, SD DENR, Division of Environmental Services, Water Rights Program, Pierre, SD, 57501.

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1693-1, Richard Arneson**

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. 1693-1, Richard Arneson, P.O. Box 132, Tulare SD 57476.

The Chief Engineer is recommending APPROVAL of Application No. 1693-1 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.

See report on application for additional information.

A handwritten signature in black ink, appearing to read "John Hatch", written in a cursive style.

JOHN HATCH, Chief Engineer

July 1, 1999



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

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

July 1, 1999

Richard Arneson
P.O. Box 132
Tulare, SD 57476

Dear Mr. Arneson:

Water Permit Application No. 1693-1 for commercial use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Meade Co. Times-Tribune printed at Sturgis, SD (Ph # (605) 347-2503). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

July 1, 1999

Meade Co. Times-Tribune
Box 69
Sturgis, SD 57785-0069

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 1693-1 to Appropriate Water to be published twice. Please publish the first notice on July 7, 1999, with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Richard Arneson, P.O. Box 132, Tulare, SD 57476 (Ph # (605) 596-4237).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CU T HERE-----

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

No. 1693-1

Date _____

We are in receipt of your letter of July 1, 1999, enclosing Notice of Hearing to Appropriate Water by Application No. 1693-1 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on July 7, 1999, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 1693-1 to Appropriate Water

Notice is given that Richard Arneson, PO Box 132, Tulare SD 57476 has filed an application for a water permit to appropriate 0.033 cubic feet of water per second (15 gallons per minute) from one well 40 feet deep located in the NW 1/4 SW 1/4 Section 32-T6N-R6E. The water is for commercial use at the Ironhorse Campground.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1693-1 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 26, 1999.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.



AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA
COUNTY OF MEADE

Joan M. Lewis, being duly sworn, says: That the **Meade County Times-Tribune**, is and, during all the times hereinafter mentioned, was a legal newspaper as defined in SDCL 17-2-2, as amended, published at Sturgis, Meade County, South Dakota, by Dickson Media, Inc.; that affiant is and, during all of said times, was employed as an accountant by the publisher of such newspaper and has personal knowledge of the facts stated in the affidavit; that the notice, order or advertisement, a printed copy of which is attached, was published in said newspaper for successive issues, bearing the following dates:

<u>July 7</u>	199	<u>9</u>	_____	199	_____
<u>July 14</u>	199	<u>9</u>	_____	199	_____
_____	199	_____	_____	199	_____
_____	199	_____	_____	199	_____
_____	199	_____	_____	199	_____

that the full amount of the fee charged for publishing the same, to-wit, the sum of \$34.45, insures solely to the benefit of the publisher of said newspaper; that no agreement or understanding for the division of the fee has been made with any person, and that no part of the fee has been agreed to be paid to any other person.



Joan M. Lewis
Bookkeeper

Subscribed and sworn to before me this

26th day of July, 1999

Lehaita Brunner
Notary Public, South Dakota

My Commission Expires
February 1, 2001

NOTICE OF APPLICATION
NO. 1693-1 to Appropriate Water
Notice is given that

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1693-1 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

Publ July 7 and 14, 1999
Meade County Times-Tribune





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

AUG 4 1999

Richard Arneson
P.O. Box 132
Tulare, SD 57476

Dear Mr. Arneson:

Enclosed is Water Permit No. 1693-1 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

Permit No. 1693-1
Belle Fourche River - Water District

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

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

I have this day, July 14, 2010, made a thorough examination of the water use system constructed by Richard Arneson of PO Box 132, Tulare, SD 57476 holder of Permit No. 1693-1, bearing the priority of June 29, 1999 authorizing the diversion of 0.033 cu. ft. per second of the waters of the Quaternary Alluvium Aquifer for Commercial purposes, in Meade County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: S. Bice Drilling Co.
- 2) No. of Wells 1
- 3) Depth(s) 40 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 16 inches
- 2) Length 20 feet
- 3) Type Plastic

Screen:

- 1) Type Plastic
- 2) Length 20 feet
- 3) Static water level 10 feet

Pump:

- 1) Make Unknown submersible
- 2) Capacity 15 GPM

B. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period NA
- 3) Exceptions to compliance are: None

Report of Examination of Works

Permit No. 1693-1

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

Approximately 1,765 feet north and 545 feet east of the SW corner of Section 32-T6N-R6E

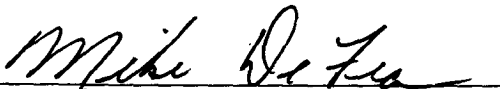
(N 44.43597, W -103.42629) (NW ¼ SW ¼)

The works are capable of diverting and conveying to the place of use 0.033 cu. ft. per second of water which is to be used for Commercial use at the Ironhorse Campground.

The license should be issued for 0.033 cfs.

All structures, wells and lands on map Y

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



Mike DeFea

Natural Resources Engineer

DENR, Water Rights Program

Date report completed: January 3, 2011

07-92

Hitchcock, SD 57348

1 Mile

Date: 05-19-98



Water Permit No. 1693-1

Richard Arneson (Ironhorse Campground)

PO Box 132

Tulare, SD 57476



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
January 3, 2011

0 430 860 1,720 2,580 3,440 Feet



South Dakota
Department of Environment
& Natural Resources
Protecting SD's Tomorrow... Today



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

FEB 11 2011

1693-1

Richard Arneson
PO Box 132
Tulare SD 57476

Dear Mr. Arneson:

Enclosed is Water License No. 1693-1. This is the final water right document completing your process of obtaining a Water Right. Also, included with your license is a map prepared by the staff engineer who conducted the investigation.

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

Sincerely,

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

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1693-1

(1) Richard Arneson, PO Box 132, Tulare SD 57476 made Application No. 1693-1, June 29, 1999 for a water permit to divert 0.033 cubic feet of water per second from groundwater (one well), Meade County, South Dakota for commercial use purposes. Permit No. 1693-1, with a priority date of June 29, 1999 was approved July 26, 1999 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 26, 2004 and for the application to beneficial use of water on or before July 26, 2008.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 1693-1 is issued a license, bearing a priority date of June 29, 1999 to appropriate 0.033 cubic feet of water per second from groundwater (one well) for commercial use purposes.

The diversion point is located: approximately 1,765 feet north and 545 feet east of the southwest corner of Section 32-T6N-R6E (NW ¼ SW ¼). The water is for use at the Ironhorse Campground.

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 1693-1.



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

FEB 11 2011

date

