

WATER PERMIT NO. 1829-1

Name of Applicant: Gary L Cammack

Address: Box 2, Union Center SD 57787

Phone: 605 985-5591

Amount of Water Claimed: 0.09 cfs (40 gpm)

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: commercial and livestock

County: Meade

Type of Waste Disposal System:

Location: Union Center

PRIORITY

Date Received: 12-28-04

Application/License Fee: \$100

Corrected Application Received:

Period of Annual Use: January 1 – December 31

Remarks:

Diversion Point: ^WSE ¼ SE ¼ Sec 16-T7N-R12E

Land to be Irrigated: NA

Depth of Well: 120 feet

Well Driller: : Heaton Drilling

Remarks:

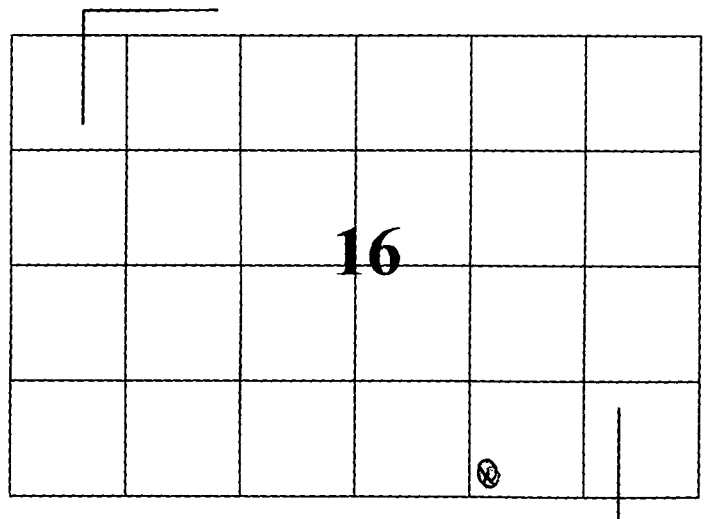
Type of Map: aerial

Prepared by: Tate E Lantz, NRCS Sturgis

Reviewed and the Number Assigned on: 1-3-05

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



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	No. <u>1829-1</u>	(office use only) Hydrologic Unit <u>10120202</u>
	Basin <u>Belle Fourche River</u>	
	Newspaper <u>Meade Co Times Tribune, Sturgis</u>	

RECEIVED
DEC 28 2004
WATER RIGHTS
PROGRAM

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 <u>LIVESTOCK</u>	

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 Gary L. Cammack Phone 605-985-5591
(check one) Owner Tenant/lessee
Mailing Address Box 2 Union Center State So. Dak. 57787
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0.09 *CFS or 40 **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)
S 1/4 SE 1/4 Sec. 16 Twp 7N Rq 12E
W County MEADE
- County or counties where water will be used MEADE
- Annual period during which water is to be used 12 MONTHS 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)

STATE OF SOUTH DAKOTA)

County of Meade 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, Gary Cammack, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Gary L. Cammack

Subscribed and sworn to before me this 27 day of December 20 04

Wesley Austin
Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 1829-1**

Date of first receipt of application December 28, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1829-1 to Gary L Cammack, Box 2, Union Center SD 57787 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. 1829-1 appropriates 0.09 cubic feet of water per second (40 gallons per minute) from one well completed into the Fox Hills Aquifer (120 feet deep) located in the SW ¼ SE ¼ Section 16-T7N-R12E.
2. The water appropriated shall be used for the purpose of commercial, domestic and livestock watering 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. 1829-1 is February 14, 2005.
5. The date from which applicant may claim right is December 28, 2004.
6. One-fifth of the construction is to be completed on or before August 14, 2007.
7. All construction is to be completed on or before February 14, 2010.
8. Water is to be put to beneficial use on or before February 14, 2014.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATION

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.

WATER MANAGEMENT BOARD

By: Garland Erbele

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

APR 19 2005

date



RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date December 28, 20 04

RECEIVED OF Cannack Ranch Supply Inc., PO Box 2, Union Center SD 57787

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

Fee for Application for Permit No. <u>1829-1</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>1829-1</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	100.00

No.

001 C

By

J. David Ebele
Chief Engineer
gm

WELL LOCATION

CAMMACK GARY
CAMMACK AMY

STURGIS FIELD OFFICE
USDA - NATURAL RESOURCES CONSERVATION

Date: 12/29/2004



Legend

 Township/Range
 Sections



1000 0 1000 2000 Feet



1829-1



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 5, 2004

Gary L Cammack
Cammack Ranch Supply
Union Center SD 57787

Dear Mr. Cammack:

I am writing in regard to a well driller's report filed by Heaton Drilling. The report shows a new well has been completed for December 3, 2003. 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 March 1, 2004.

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 5, 2004

Gary L Cammack
Cammack Ranch Supply
Union Center SD 57787

Dear Mr. Cammack:

On February 5, 2004, you were sent an *Application for a Permit to Appropriate Water* form based on a well completion report. Enclosed is a copy of that letter. This application is necessary to obtain a permit which will reflect your water use. On February 10, 2004, you spoke with Ron Duvall of this office, indicating you would be completing the application. To date, we have not received the application.

Obtaining a water permit that accurately reflects your water use ultimately benefits you by protecting your right to use water. Except for domestic use, any water user without a water right is not entitled to receive protection in the event of interference by a new or future user who has a water right.

Enclosed is another set of application forms. If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

enclosures



October 28, 2004

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Gary L Cammack
Cammack Ranch Supply
Union Center SD 57787

Dear Mr. Cammack:

This letter is a reminder that on February 5 and August 5, 2004, you were contacted about the requirement to obtain a Permit to Appropriate Water for commercial use at your business.

As previously stated, obtaining a water permit that accurately reflects your water use benefits you by projecting your right to use water.

If you have any questions or need another set of application forms, please contact Eric Gronlund or me. We will be happy to assist you in any way possible.

Sincerely,

Karen Schlaak

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

605 985-5591
called 12/23/04
to help him complete
appl.

WATER PERMIT APPLICATION NO. 1829-1
GARY L. CAMMACK
JANUARY 12, 2005

Water Permit Application No. 1829-1 proposes to appropriate 0.09 cubic feet of water per second (40 gallons per minute) from an existing well, 120 feet deep, which is completed into the Fox Hills aquifer. The well is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16, T7N-R12E in Meade County. The water is for commercial, domestic and livestock watering use.

AQUIFER: Fox Hills Sandstone (FXHL)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Fox Hills aquifer consists of the porous portions of Fox Hills Sandstone, which is a late Cretaceous aged sandstone and sandy shale (Merewether, 1975). The Fox Hills underlies approximately 11,630 square miles of northwestern South Dakota and contains an estimated 55,814,400 acre-feet of recoverable water in storage (Allen and others, 1985). This well is located about two miles from the southern edge of the Fox Hills (Martin and others, 2004), and the log for this existing well reports that the base of the Fox Hills is 115 feet below ground surface. The aquifer is under unconfined conditions, and the static water level was reported to be 21 feet below grade at this site. Recharge to the Fox Hills, which has not been quantified, occurs through infiltration of precipitation at the outcrop.

The Water Rights Program monitors nine observation wells completed into the Fox Hills aquifer. The observation well data shows the aquifer is readily recharged and that the aquifer water table has remained fairly stable. However, the closest of these observation wells is over 50 miles northwest of 1829-1, so historic water level data is not available for this immediate area.

AFFECTS ON EXISTING RIGHTS:

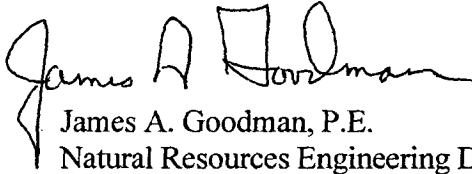
There are 30 Water Rights/Permits appropriating water from the Fox Hills aquifer in South Dakota. The nearest appropriation from the Fox Hills aquifer is Water Permit No. 1339-1, Siesta Motel, located over 60 miles northeast of the well that is to be used to supply water for this appropriation. The Water Rights Program has record of four domestic wells within approximately two miles of this well. It is unlikely that the withdrawals from this appropriation would adversely impact adequate wells in the area.

CONCLUSIONS:

1. The Fox Hills aquifer is a viable aquifer in this area and unappropriated water is available for this use requested by Application No. 1829-1.
2. The Fox Hills aquifer is under unconfined conditions and drawdown associated with pumping for this appropriation can be made without adversely impacting existing water rights or domestic wells in the area.



Ken Buhler
Natural Resources Engineering Specialist



James A. Goodman, P.E.
Natural Resources Engineering Director

REFERENCES:

Allen, J.C., Iles, D.L., and Petres, A.K., 1985, Analysis of Groundwater and Streamflow Data, Western Dakotas Region of South Dakota, Tasks 3A.B.C. & 4A.B.: Groundwater Resources Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-015, SD DENR- Geological Survey, Vermillion SD

Martin, J.E., Sawyer, J.F., Fahrenbach, M.D., Tomhave, D.W., Schulz, L.D., 2004, Geologic Map of South Dakota: South Dakota Geologic Survey Map 10, Scale 1:500,000

Merewether, E.A., 1975, Mineral and Water Resources of South Dakota: US Geological Survey report to United States Senate Committee on Interior and Insular Affairs, p.313

Water Rights Program, 2005a, Domestic Well Log Files, DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501

Water Rights Program, 2005b, Observation Well Files, DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501

Water Rights Program, 2005c, Water Permit/Right Files," DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1829-1, Gary L. Cammack**

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. 1829-1, Gary L. Cammack, Box 2, Union Center SD 57787.

The Chief Engineer is recommending APPROVAL of Application No. 1829-1 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 qualification:

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.

See report on application for additional information.

Garland Erbele, Chief Engineer
January 19, 2005

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA
COUNTY OF MEADE

Heath Owens, Being duly sworn, says, That the Meade County Times/Black Hills Press is and, during all times hereinafter mentioned, is a legal newspaper as defined in SDDCL 17-2-2, as amended, published in Sturgis, Meade County, South Dakota, by Country Media, Inc.; that affiant is and, during all of said times, was employed as an accounting clerk by the publisher of such newspaper and has personal knowledge of the facts stated in the affidavit; that the notice, order or advertisement, a copy of which is attached, was published in said newspaper for the issue (s) bearing the following dates:

Jan 26	2005	200
Feb 2	2005	200
	200	200
	200	200
	200	200

That the full amount of the fee charged for publishing the same, to-wit the sum of

\$ 38.20, I insure solely to the benefit of the publisher of said newspaper; that no agreement or understanding for the division of the fees has been made with any person, and that no part of the fee has been agreed to be paid to any other person.

Heath Owens
Accounting Clerk

Subscribed and sworn before me this

2 Day of Feb 2005

Pamela Buhler
Notary Public, South Dakota

Feb 8, 2007 commends.

Water application

NOTICE OF APPLICATION

NO. 1829-1 to Appropriate Water
Notice is given that Gary L. Cammack, Box 2, Union Center SD 57787 has filed an application for a water permit to appropriate 0.09 cubic feet of water per second (40 gallons per minute) from one well completed into the Fox Hills Aquifer (120 feet deep) located in the SW1/4 SE1/4 Section 16-T7N-R12E. The water is for commercial, domestic and livestock watering use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1829-1 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 February 14, 2005.

The petition may be informal, but must include a statement describing the petitioner's interest in

RECEIVED
FEB 16 2005
WATER RIGHTS
PROGRAM

Instruction to Newspaper - Publish first Notice on January 26, 2005 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 1829-1 to Appropriate Water

Notice is given that Gary L Cammack, Box 2, Union Center SD 57787 has filed an application for a water permit to appropriate 0.09 cubic feet of water per second (40 gallons per minute) from one well completed into the Fox Hills Aquifer (120 feet deep) located in the SW ¼ SE ¼ Section 16-T7N-R12E. The water is for commercial, domestic and livestock watering use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1829-1 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 February 14, 2005.

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 19, 2005

Meade Co Times Tribune
PO Box 129
Sturgis SD 57785-0129

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 1829-1 to Appropriate Water to be published twice. Please publish the first notice on January 26, 2005 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Gary L. Cammack, Box 2, Union Center, SD (Ph # 605-985-5591).

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

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

No. 1829-1

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

Date _____

We are in receipt of your letter of January 19, 2005 enclosing Notice to Appropriate Water by Application No. 1829-1 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

January 19, 2005

Gary L. Cammack
Box 2
Union Center SD 57787

Dear Mr. Cammack:

Water Permit Application No. 1829-1 for commercial and livestock use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Meade Co Times Tribune printed at Sturgis, SD (Ph # 605-347-2503). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and 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 and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

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



APR 19 2005

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Gary L Cammack
Box 2
Union Center SD 57787

Dear Mr. Cammack:

Enclosed is Water Permit No. 1829-1 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.

Sincerely,

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

enclosures

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

Date 6-23-05

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

FROM: GARY L CAMMACK
(name)
Box 2
(address)
UNION CENTER S.D. 605-985-5591
(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.

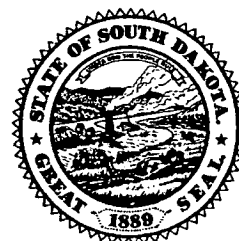
Water Permit No. 1829-1 states that the water use system is to be constructed by FEB. 10 2010 and water is to be put to beneficial use by FEB. 10-2014.
(date) (date)

The water use system was completed on 6-01-05.
(date)

Applying the water to beneficial use was completed on 6-01-05.
(date)

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

Gary L Cammack
(signature)



Permit No. 1829-1
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, **18 September 2007**, made a thorough examination of the water use system constructed by **Gary Cammack** of **Box ¹⁰⁰ X, Union Center, SD. 57787** holder of Permit No. **1829-1**, bearing the priority of **28 December 2004** authorizing the diversion of **0.09** cu. ft. per second of the waters of **the Fox Hills Aquifer** for **commercial, domestic, and livestock uses**, in **Meade** County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Heaton**
- 2) No. of Wells **1**
- 3) Depth(s) **120** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **5** inches
- 2) Length **120** feet
- 3) Type **plastic**

Screen:

- 1) Type **perforated pipe**
- 2) Length **60** feet
- 3) Static water level **21** feet

Pump:

- 1) Make **Flint & Walling**
- 2) Model **CP 150**
- 3) Capacity **40** GPM

Motor:

- 1) Make **unknown**
- 2) Model No. **unknown**
- 3) Horsepower rating **3.5** hp

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

- 1) Type PVC 2) Size 2 inches 3) Length 200 feet

C. Compliance with Permit Requirements:

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

The system is in good condition with the point of diversion located as follows: SW ¼ SE ¼ Sec 16-T7N-R12E, approximately 2267 feet west and 523 feet north of the southeast corner of section 16, N 44.56222 Latitude and N -102.67109 Longitude. The works are capable of diverting and conveying to the place of use 0.09 cu. ft. per second of water which is to be used for commercial, domestic, and livestock uses.

The license should be issued for 0.09 cfs.

All structures, wells and lands on map Y

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



Mark Costello
Natural Resources Engineer
DENR, Water Rights Program

Date report completed: 19 November 2007



South Dakota

1829-1

Gary Cammack
Box 2

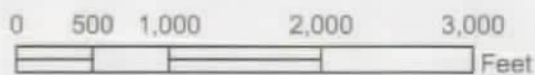
Union Center, SD. 57787

South Dakota Department of
Environment and Natural Resources



Mark Costello

Mark Costello
Natural Resources Engineer
DENR, Water Rights
19 November 2007



STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1829-1

(1) Gary Cammack, Box 100, Union Center SD 57787 made Application No. 1829-1, December 28, 2004 for a water permit to divert 0.09 cubic feet of water per second from groundwater (one well), Meade County, South Dakota for commercial, domestic and livestock watering purposes. Permit No. 1829-1, with a priority date of December 28, 2004 was approved February 14, 2005 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 14, 2010 and for the application to beneficial use of water on or before February 14, 2014.

(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. 1829-1 is issued a license, bearing a priority date of December 28, 2004 to appropriate 0.09 cubic feet of water per second from groundwater (one well) for commercial, domestic and livestock watering purposes.

The diversion point is located: approximately 2,267 feet west and 523 feet north of the southeast corner of Section 16-T7N-R12E (SW ¼ SE ¼).

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 1829-1 including the following now applicable qualification:

- 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.

Garland Erbele

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

JAN 23 2008

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JAN 23 2008

1829-1

Gary Cammack
PO Box 100
Union Center SD 57787

Dear Mr. Cammack:

Enclosed is Water License No. 1829-1. 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.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 1829-1, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Sincerely,

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

enclosures