

Water Right Number 1113-2

1. Considered Sept. 6, 1972,
2. Name of Applicant Bafler J. Bar Ranch Campground
3. Post Office Address Hill City, S.D.
4. Amount of Water claimed .22
5. Source of Water supply Ground water
6. Water to be used for Recreation & Commercial

Acres to be irrigated _____

7. Water to be diverted and used in Pennington County
about 8 miles N of CUSTER

8. Proof of Publication

Received Aug. 8, 1972

Not Received _____

9. Application

Approved _____

Subject to _____

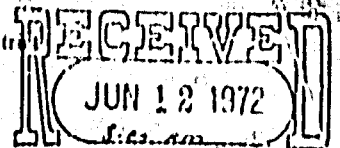
Not Approved _____

Action Deferred _____

10. Remarks:

No. 1113-2Map No. 946-2Water Division No. 2RAPID CREEK

(Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Rafter J Bar Ranch Campground
Postoffice address P.O. Box 128- Hill City State South Dakota
If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
3. Name of diversion work George Well #1
4. Amount of water claimed (cubic feet per second) 100 gal. per minute
5. Source of water supply Well
6. Location of point of diversion Rafter J Bar Ranch Campground, Hill City, S.D. (Map enclosed)
A POINT S77°45'E, 1918 FEET FROM THE W 1/4 CORNER,
SECTION 12, T2S, R4E County Pennington
7. Annual period or periods during which water is to be used May 1 - October 1
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Commercial-Recreation
9. For irrigation use, _____ Total number of acres to be irrigated _____

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 7 years. Additional time required to complete application of water to the proposed beneficial use _____ years.
11. Carrier of newspaper for Notice of Intent to Appropriate Water publication The Guide HILL CITY REVEALER
12. Principal Features of the Proposed Water Supply System.
- A. Works proposed to divert water from its natural source.
submergible pump
- B. Works proposed to transport water to place of use.
underground pipe
- C. Works proposed to apply water to beneficial use.

Estimated Total Cost \$ _____

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of PenningtonI, Tam J. George

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

Signed Tam J. GeorgeSubscribed and sworn to before me this 9th day of June, 1972

Notary Public (or other qualified officer)

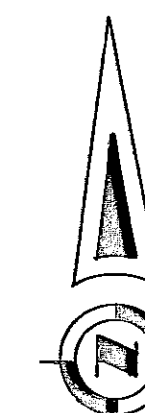
My Commission Expires May 2, 1972

SECTION LINE

1/16 SECTION LINE

COR. NO. 1
M.S. 551

COR. NO. 2
M.S. 551



SCALE 1" = 100'

SW 1/4 OF NW 1/4

SE 1/4 OF NW 1/4

LOT 7
OF
WALKER PLACER 551

WEST 1/4 CORNER
SECTION 12, T2S, R4E, BHM

1/4 SECTION LINE

SURVEYOR'S CERTIFICATE

I, VINAL C. FRANCIS, REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 625 IN AND FOR THE STATE OF SOUTH DAKOTA DO HEREBY CERTIFY THAT THE ACCOMPANYING MAP SHOWS THE TRUE AND CORRECT LOCATION OF GEORGE WELL NO. 1 IN THE N 1/2 OF THE SW 1/4 OF SECTION 12, T2S, R4E, BHM,
DATED THIS 9TH DAY OF JUNE, 1972

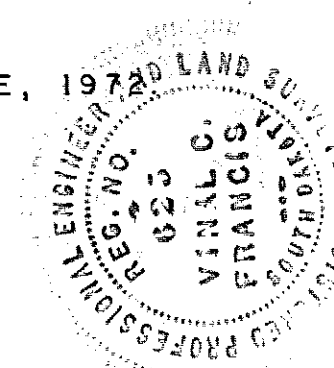
Vinal C. Francis
REG. PROF. ENG. & L.S. NO. 625

ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN TO ME, A NOTARY PUBLIC, THIS 9TH DAY OF JUNE, 1972

MY COMMISSION EXPIRES:
FEBRUARY 6, 1977

Robert Ballines
NOTARY PUBLIC



S 77° 45' E 1918'

N 1/2 OF SW 1/4

GEORGE
WELL NO. 1

WATER RIGHTS MAP
GEORGE WELL NO. 1
N 1/2 OF SW 1/4 OF SECTION 12
T2S, R4E, BHM,
PENNINGTON COUNTY, SO. DAK.

MAP NO 946-2 (APPL NO 1113-2)

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1113-2
RAFTER BAR J RANCH CAMPGROUND Box 126, Hill City
 (Applicant) (Post Office Address)
SOUTH DAKOTA With the following modifications:
 (Rafter J Bar Ranch Corp.)

The ~~irrigation~~ well approved under this Permit will be located near domestic wells and other ~~irrigation~~ wells which may obtain water from the same aquifer. The ~~irrigation~~ well owner, under this Permit, shall control his ~~irrigation~~ withdrawals so there is not a reduction of needed water supplies in existing domestic wells or in ~~irrigation~~ wells having prior water rights.

Date of first receipt of application JUNE 12 19 72
 Date of return to applicant for correction, amendments or changes required JUNE 12 19 72
 Date of receipt of corrected application JUNE 19 19 72
 Approved SEPTEMBER 6 19 72, Recorded in Book 12 Page 142

WATER RIGHT PERMIT NO. 1113-2

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1113-2 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is JUNE 12 19 72
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MARCH 6 19 73
3. The whole of said work is to be completed on or before SEPTEMBER 6 19 73
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is SEPTEMBER 6 19 73
5. The water appropriated shall be used for the purpose of COMMERCIAL USE & RECREATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed .22 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for ~~beneficial use~~ used for commercial & recreation purposes, ~~and not for the irrigation purposes and appropriation must be limited to not more than one foot per second of flow~~ limited to not more than .22 cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before SEPTEMBER 6 19 73; said water to be used during the following described annual period: MAY 1 TO OCTOBER 1

Witness my hand this 8TH day of SEPTEMBER 19 72

WATER RESOURCES COMMISSION

By:

[Signature]
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 _____

Water License Issued _____ 19 _____

Well Information:

60' Well

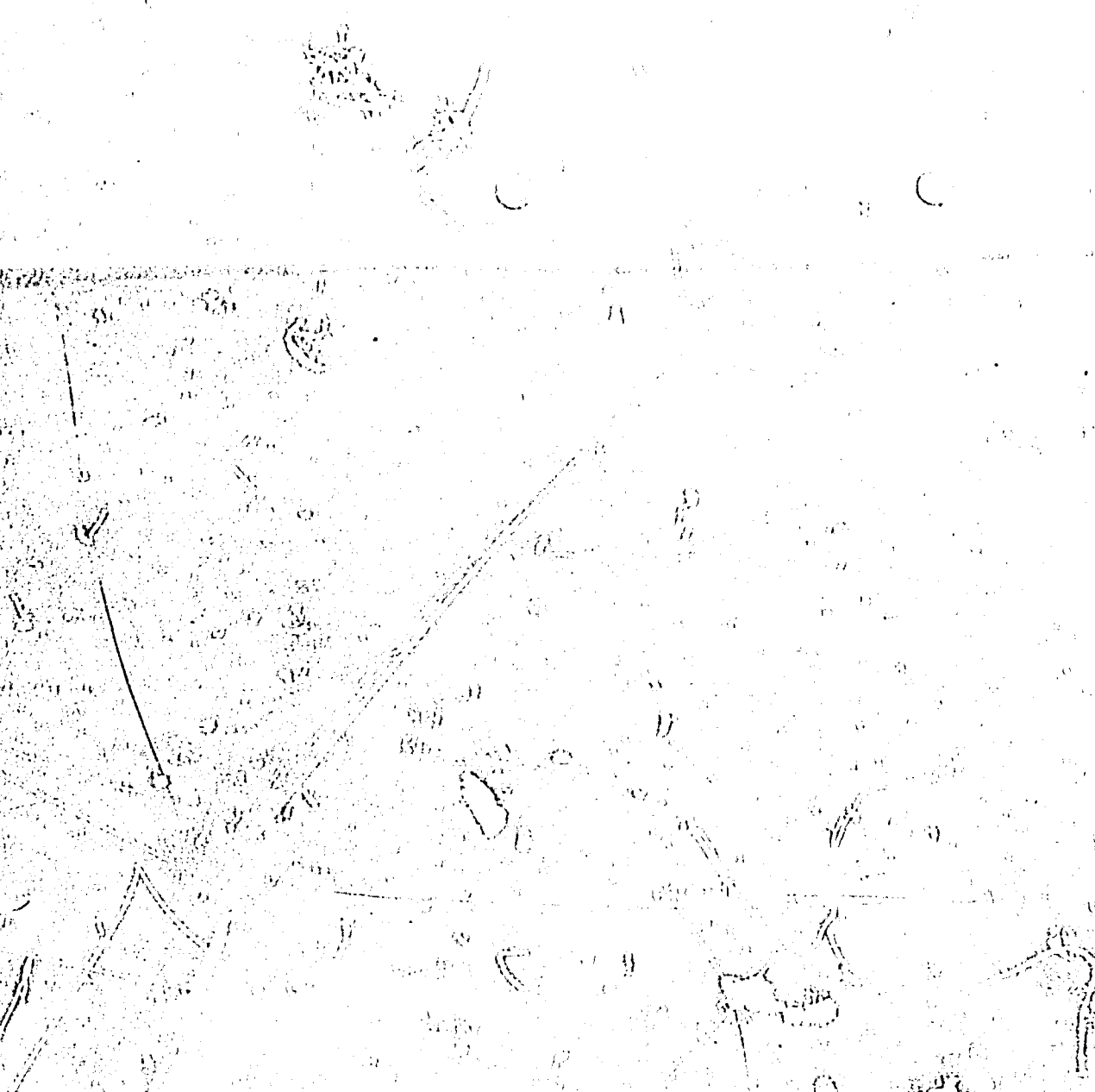
0'-18' Over-burden

13'-60' Schist

Cased 6" to 20"

Static Water 12'

Pumped 100 gal. per minute



12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 6", Depth 60'
- (2) Casing, Type Steel Diameter 6" Thickness
(iron, concrete, steel, etc.)
- (3) Perforated Screen.
Type , Diameter 6", Length
- (4) Gravel Pack, Thickness , Length of gravel pack

E. Dugout Information or Estimates.

- (1) Surface dimensions , Depth 60'

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials

Depth to top of water bearing material

Depth to bottom of water bearing material

Thickness of water bearing material

Depth to water (ground surface to water level)

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property 900 yards rds. On property owned by others 1 mile rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Signature of Applicant

Permit No. 1113-2

Water Diversion No. 2 Upper Cheyenne Water District

CERTIFICATE OF CONSTRUCTION

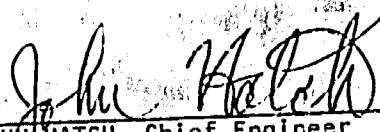
This is to Certify, That Rafter J Bar Ranch Campground

the holder _____ of
Permit No. 1113-2, issued upon Application No. 1113-2, hearing date of priority of June 12,
1972 authorizing the diversion of .22 cu. ft. per second of the waters of _____
groundwater (one well) County of Pennington, State of South Dakota at _____
a point south 77° 45' east, 1918' from the W. corner, Section 12, T2S, R4E

for commercial & recreation

purposes, he has complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use .22 cu. ft. per second of water.

Date August 17, 1981


JOHN HATCH, Chief Engineer
Water Rights Division

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1113-2

(1) WHEREAS, On the 12th day of June A. D. 19 72

Rafter J Bar Ranch Campground

made Water Right Application No. 1113-2 for a permit to use .22 cubic feet per second of the waters of groundwater (one well)

County of Pannington, State of South Dakota, for commercial and recreation

purposes; and

(2) WHEREAS, On the 6th day of September A. D. 19 72

Permit No. 113-2, with a date of priority of June 12, 1972

was issued to said applicant 2 for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 6th day of September A. D. 19 73 and for the application to beneficial use of said water on or before the 6th day of September A. D. 19 73

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert .22 cubic feet per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent,

water supplies for commercial and recreational purposes

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Pastor J Bar Barch Campground

of Hill City SD

the holder A and owner A of said permit No. 1113-2 a water right, dating from June 17, 1972

to use of .00 cubic feet per second of the waters of groundwater (one well)

In the County of Pennington and State of South Dakota, or so much thereof as may be necessary for the purpose hereinbefore mentioned, to be diverted at a point south 77° 45' east, 1918' from the NW corner, Section 12, T2S, R9E

and conducted ~~XXXXXXXXXX~~ through the campground's distribution system

for the purpose of commercial and recreational use

Subject to any limitations listed in Water Right Permit No. 1113-2 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 17th day of August A. D.
Nineteen Hundred and Eighty-one

WATER MANAGEMENT BOARD

By: John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Pennington) ss.

I, John J. Gerken hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Hill City Prevalier

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

town _____ of Hill City
County of Pennington and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

July 27, 1972

August 3, 1972

John J. Gerken
(Signature)
Publisher
(Title)

August 7, 1972
(Date Signed)

No. 1113-2
NOTICE OF INTENT
TO APPROPRIATE WATER
Pierre, South Dakota 57501

July 18, 1972
Notice is hereby given that Rafter J
Bar Ranch Campground, whose post
office address is Hill City, South
Dakota, has made an application in
accordance with the provisions of the
water laws of South Dakota for a
permit to appropriate for beneficial
use 22 cubic feet of water per second
of time from ground water through the
George Wells No. 1, the point of
diversion of which is to be located in
the NE 1/4 SW 1/4 of Section 17, Twp. 25,
Range 4E. Said water to be used for
the purpose of providing supplies for
recreation and commercial operation
of a campground.
This application No. 1113-2 will be
considered by the Water Resources
Commission at their office at Pierre
upon the 6th day of September, 1972, at
2:00 p.m. All interested persons may
appear and be heard.
WATER RESOURCES COM-
MISSION
c/o Burton F. Jones
BURTON F. JONES
Water Rights Specialist
c/o Tom J. George, Rafter J Bar
Ranch Campground, Box 126, Hill
City, S. D. 57745
Prev. July 31, Aug. 3

RECEIVED
AUG 8 1972

STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

No. 1113-2Publish first publication, on or before August 24, 19 72NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

July 18, 19 72

Notice is hereby given that Rafter Bar J Ranch Campground
whose post office address is Hill City, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use
.22 cubic feet of water per second of time from the ground water through the
George Well #1, the point of diversion of which is to be located in the _____

NE 1/4 SW 1/4

of Section 12, Twp. 28, Range 4E. Said water to be used for the purpose
of providing irrigation on the following described land:

supply for recreation and commercial operation of a campground.

This application No. 1113-2 will be considered by the Water Resources Commission at their office at
Pierre upon the 6th day of September, 19 72, at 2:00 P. M. All interested
persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON P. JONES, Water Rights Specialist

cc: Tom J. George, Rafter Bar J Ranch Campground, Box 126, Hill City, S.D. 57745

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

Post Office Hill City, S. Dak.

Date April 3, 1974

TO: Water Resources Commission
State Office Building No. 2
Pierre, South Dakota 57501

Dear Sirs:

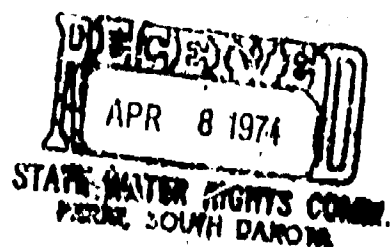
This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 1113-2.

Water Right Permit No. 1113-2 states that the diversion system is to be constructed by September 6, 1973 and that the water is to be put to beneficial use by September 6, 1973.

The diversion system was completed on June 1, 1973. Applying the water to beneficial use was completed on June 15, 1973.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

Tom Hays
(Signature)



DC 10/10/89

REPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by Ratter Bar J
Rader Campground of Box 126, Hill City, S. Dak. 57745 holder
of Permit No. 1113-2, bearing date of priority of June 12, 1972
authorizing the diversion of .22 cu. ft. per second of the waters of Well
for Commercial - Recreation purposes, in Pennington County.

I have to report on the condition of the same as follows:

The Water Use System consists of,

A. Works used to divert the water:

Pump - 5 H.P. Submersible

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

Main Line PVC Buried

C. Works used to apply water to beneficial use.

Campground - Cabins and Recreation Areas
Commercial use.

The system is in the following condition... Good

The point of diversion is located S 77° 45' E 1918 ft from the NW 1/4 Cor
Sec 12, T 25 R 4 E

The works are capable of diverting and conveying to the place of use .22
cu. ft per second of water which is to be used for Commercial - Recreation

Water has been put to beneficial use to the maximum extent as follows:

comprising a total of _____ acres of land.

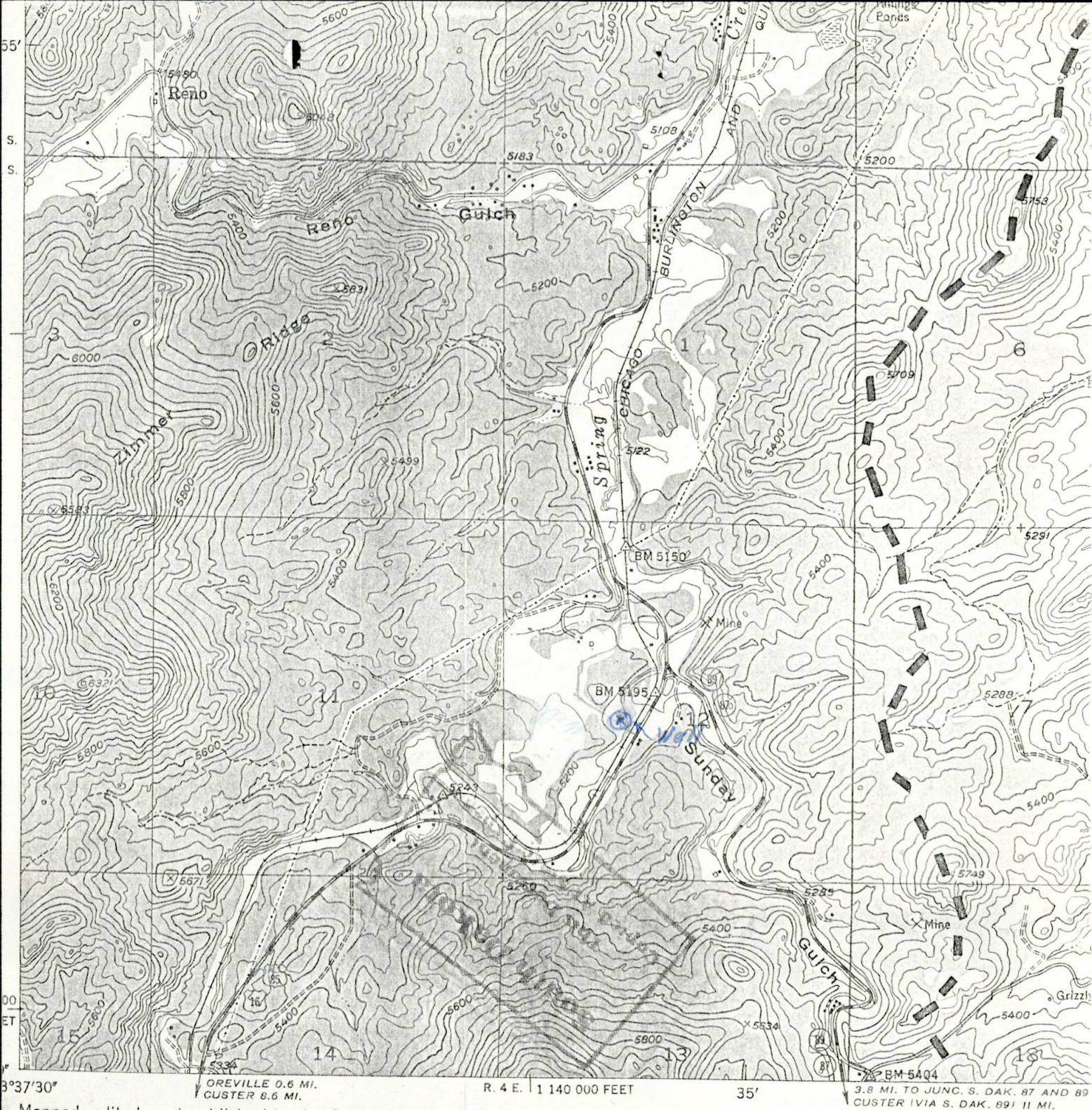
License No. 2245

Well Data:

Depth est 100 ft

Pumping 100 gpm

Date June 10, 1980
Leroy J. Homan
(Signature)



Mapped, edited, and published by the Geological Survey

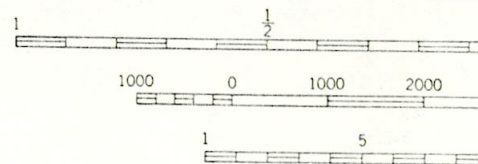
Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1952. Field check 1954

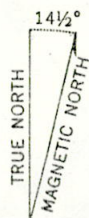
Polyconic projection. 1927 North American datum
10,000-foot grid based on South Dakota coordinate system,
south zone

Unchecked elevations are shown in brown

SCALE



CONTOUR 1
DATUM IS



APPROXIMATE MEAN
DECLINATION, 1954

1113-2
Rafter Bar J Ranch Campground
946-2
Map # ~~764~~

THIS MAP COMPLIES WITH NA
FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL
A FOLDER DESCRIBING TOPOGRAPHIC M/

1113-2

Hamm Well Drilling
12089 Deerfield Road
Hill City SD 57745
605-574-2995

~~October 1, 2006~~

Ken Buhler
~~Dept. of Environment and Nat. Resource~~
Water Rights Program
523 E Capitol
Pierre, SD 57501

~~Dear Ken:~~

This letter is to request permission to drill a test well for Rafter
J Bar Ranch Campground.

The well will be drilled in Precambrian rock in SW ¼ of NW ¼,
~~section 12, T1S R5E, of Black Hills Meridian under license~~
number 171.

Sincerely,
Hamm Well Drilling

Douglas Hamm

RECEIVED
OCT - 4 2006
WATER RIGHTS
PROGRAM



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 5, 2006

Douglas Hamm
Hamm Well Drilling
12089 Deerfield Road
Hill City, SD 57745

Dear Mr. Hamm:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, Hamm Well Drilling is authorized to construct a test well for Rafter J Bar Ranch Campground prior to approval of a water permit. The test well is to be completed into the Precambrian Rock aquifer in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12, T1S-R5E. 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.

A SD Water Permit must be obtained before water from this well can be used. Approval of this test well does not assure issuance of a water permit. Following review of a Water Permit Application; and assessing the availability of water, the potential impacts to existing users, the beneficial use, and the public interest of a permit, the Chief Engineer will make a recommendation to the Water Management Board regarding the application. The recommendation to approve, deny, or defer the application will be publicly noticed and an opportunity afforded for the public to intervene. A public hearing may be required to consider the water permit.

Very truly yours,

JAMES A. GOODMAN, P.E.
Natural Resources Engineer
for GARLAND ERBELE, Chief Engineer
Water Rights Program
(605) 773-3352



1113-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

December 12, 2006

Rafter Bar J Ranch Campground
c/o Todd George
PO Box 126
Hill City SD 57745

Dear Mr. George:

I am writing in regard to a well driller's report filed by Hamm Drilling. The report shows a new well was completed for Rafter Bar J Ranch Campground on October 12, 2006. A review of our files indicates the campground holds Water Right No. 1113-2 for 100 gallons per minute (gpm) from one well, approximately 100 feet deep located in the W ½ Section 12-T2S-R4E for commercial use.

South Dakota Codified Law 46-5-13.1 provides that a point of diversion (well) may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the Chief Engineer makes a finding that the change does not increase the potential for interference with existing diversions.

Is this a replacement well or an additional well for the campground? If this is an additional well, does the total diversion from the two wells exceed the 100 gpm authorized by the existing permit?

If you have any questions, please contact Eric Gronlund or me. We will be happy to assist you in any way possible.

Sincerely,

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

07-92

Date: 11-08-06



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

December 8, 2006

Todd George
Rafter Bar J Campground
Box 128
Hill City SD 57745

RECEIVED

DEC 14 2006

WATER RIGHTS
PROGRAM

Dear Mr. George:

Thank you for your response regarding the wells used to supply Rafter Bar J Campground. Water Right No. 1113-2 appropriates 100 gallons per minute (gpm) from one well for commercial use at the campground facilities.

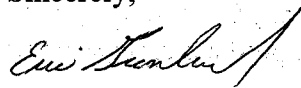
On November 9th you called regarding a new well that was drilled. We discussed the water right and what it authorizes. I understood that more than one well is used but that the total appropriation of 100 gpm is not exceeded. Based on this I sent you a map asking you to mark the location of all the wells, their depth and what they produce. Upon receiving the map I have a few more questions and am writing since I was unable to contact you on the telephone.

First, what is the production in gallons per minute of the originally authorized well? This is the well designated by the red dot on the enclosed map

Secondly, in our conversation I understood there were four wells in use at the Rafter Bar J. If so, please mark the fourth well on the enclosed map and provide its depth and production. Please designate which well was recently completed. Water Rights has not yet received a completion report from the driller for the newest well.

I have enclosed a self addressed stamped envelope for your response. I want to make sure the water right accurately reflect the system you have in place. I hope that we can add the additional wells without going through the formal permitting process. However I need to make sure I have all the information prior to making that determination. Please feel free to give me a call.

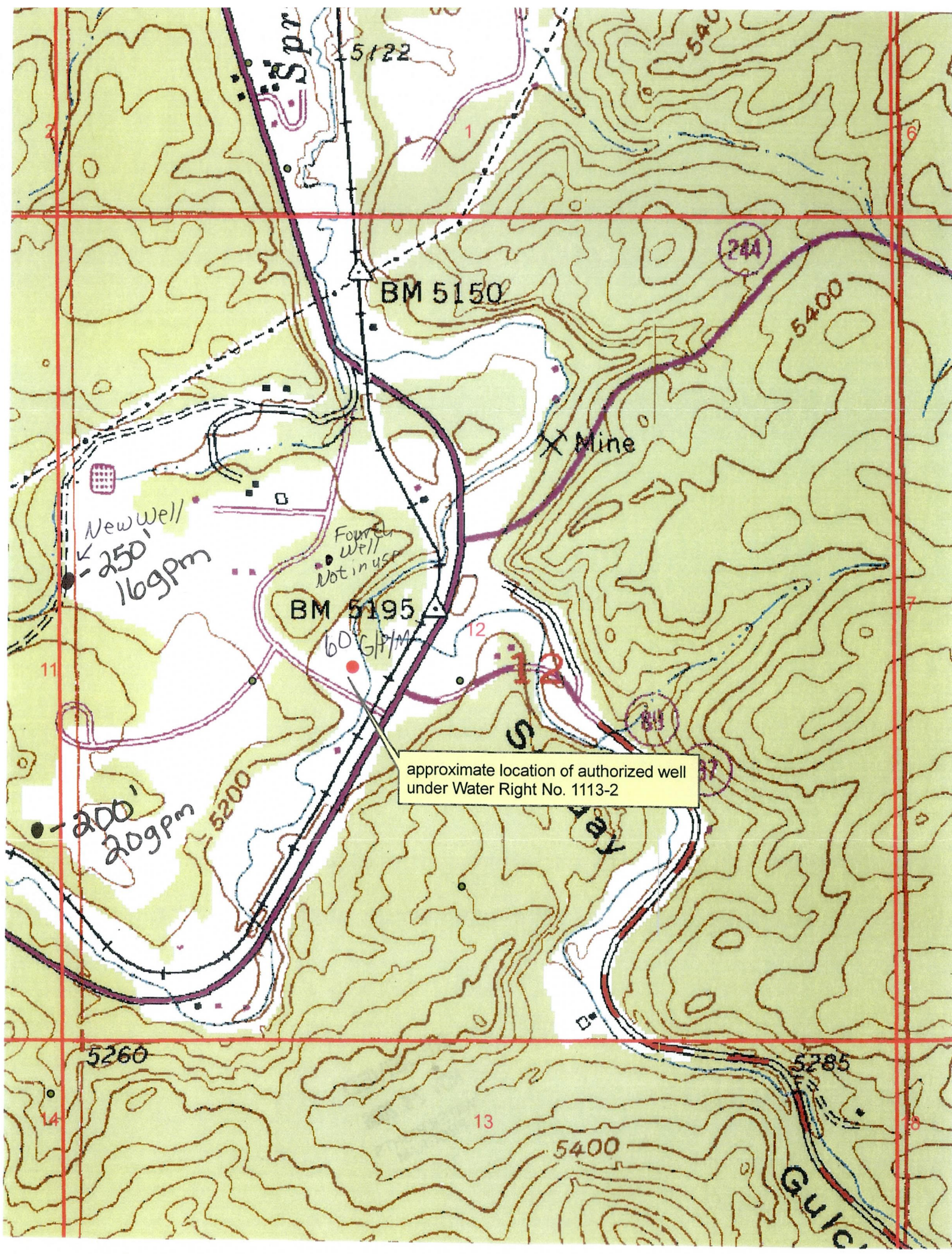
Sincerely,


Eric Gronlund
Water Rights Program, DENR
605 773-3352

enclosure

1. Main Well - 60 G/P/m
2. The new well just drilled, is on the west side of the property 250 Depth @ 16 G/P/m.
3. Our 4th well is no longer part of the new system. We do hope to connect this well in a couple of years

Eric, I left a message with Doug Hamm to send the report. I do have a copy that he gave me. Let me know if I should fax it. Thank you
Todd George



approximate location of authorized well
under Water Right No. 1113-2

New Well
-250'
169gpm

Former Well
Not in use
60 GPM

BM 5150

BM 5195

X Mine

5260

5285

5400

Gulch

Spr

Approval of an Additional Diversion Point

NAME: Rafter Bar J Campground

ADDRESS: Todd George, Box 128, Hill City SD 57745

DATE: December 21, 2006 **COUNTY:** Pennington **TELEPHONE:** 605 574-2527

BACKGROUND:

Water Right No. 1113-2 appropriates 0.22 cubic feet of water per second (100 gpm) from one well located in the NE ¼ SW ¼ Section 12, T2S, R4E for commercial use at the campground. The well is constructed into the Precambrian Crystalline Rock and has a priority date of June 12, 1972.

Mr. George contacted the Water Rights office on the advice of the well driller who completed a new well in October 2006 for the campground. Upon discussing the water supply system used by Rafter J Bar campground it became apparent that more than one well served the campground's needs. The new well is located approximately 600 feet from a wastewater lagoon. This is deemed acceptable since the campground does not meet the definition of a water distribution system since no homes are served. This resulted in correspondence between Mr. George and Eric Gronlund to determine what permitting may be necessary in order that the water right accurately reflects the system in place. The following table describes the wells in place (all in T2S, R4E).

No.	Well Location	Depth	Production	Comment
1	NE ¼ SW ¼ Sec. 12	60 feet	60 gpm	Original well under WR No. 1113-2
2	SW ¼ NW ¼ Sec. 12	250 feet	20 gpm	Drilled in 1989
3	NE ¼ SE ¼ Sec. 11	250	16 gpm	Drilled in 2006
4	SE ¼ NW ¼ Sec. 12		--	Not in use
	TOTAL		96 gpm	

Mr. George's correspondence is viewed as a request to authorize the additional wells denoted above as Well No. 2 and 3. The well designated as Well No. 4 is not included in this request because it is not in use and its use would likely exceed the diversion authority of Water Right No. 1113-2. The original well's production evidently declined from the 100 gpm found during the licensing investigation to 60 gpm. This necessitated completion of an additional well in 1989 and another in 2006. This request is made pursuant to SDCL 46-5-13.1 to authorize the additional wells.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The water source authorized by Water Right No. 1113-2 is the Precambrian Crystalline Rock. Water Rights record indicate the original well is 60 feet deep. The well construction for the additional wells shows these wells are 250 feet deep. Based on this information all three wells are completed into the Precambrian Crystalline Rock.

No additional appropriation of water is requested. The original water permit appropriates 0.22 cfs (100 gpm). Mr. George states that the three wells in operation have a diversion capability of 0.21 cfs (96 gpm).

- **Review of Existing Diversions**

A review was conducted of existing water rights and domestic wells. There are eight water rights that appropriate water from the Precambrian Crystalline Rock in the sections neighboring Section 12.

A review of well completion records in the Water Right database found 36 domestic wells constructed into the Precambrian Crystalline Rock in Section 12 and its neighboring sections. This reflects a substantial amount of development in this area, however, there has not been complaints recently in this area. In 2004 petitions were filed to an application located approximately 2 miles north of Rafter J Bar Campground. Petitioners withdrew their opposition prior to a hearing being held before the Water Management Board.

CONCLUSION

- The additional well does not appropriate additional water.
- The additional well is to be constructed into the Precambrian Crystalline Rock.
- Existing domestic wells and prior water rights should not be adversely impacted by authorizing this additional well.
- There have been no complaints regarding development at this site.

RECOMMENDED ACTION

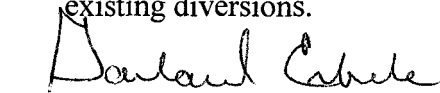
Based on the above criteria, it is recommended that the additional diversion be authorized under Water Right No. 1113-2.



Eric Gronlund
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This additional diversion point does not increase the potential for adverse effects to existing diversions.



1113-2



**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 2, 2007

Todd George
Rafter J Bar Campground
Box 128
Hill City SD 57745

Dear Mr. George

I am writing in regard to the wells used as a water supply for Rafter J Bar Campground. Water Right No. 1113-2 held by Rafter J Bar Campground appropriates 0.22 cubic feet of water per second (100 gallons per minute) from one well completed into the Precambrian Crystalline Rock located in the NE ¼ SW ¼ Section 12, T2S, R4E for commercial use at the campground.

The correspondence you have provided is that three wells with a diversion capability of 96 gpm are used to supply the campground. The two additional wells were drilled in 1989 and 2006 are used in conjunction with the original well to bring production back to the authorized amount of approximately 100 gpm.

Upon review of the request and pursuant to SDCL 46-5-13.1, the two additional wells are authorized without application or publication of a notice of hearing pursuant to SDCL 46-2A-4.

Your correspondence also indicates there is a fourth well on the property that is not in use. This well is not formally authorized by Water Right No. 1113-2. If this well is brought into production it is likely a water right permit will need to be obtained. In the meantime this well must be sealed at the top with a watertight cap. If the well is abandoned it must be plugged in accordance with South Dakota Well Construction Standards.

If you have any questions, please contact Eric Gronlund at (605) 773-3352.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program

enclosure