

WATER PERMIT NO. 1684-1

Name of Applicant: Mike Ringer

Address: PO Box 1075, Sturgis SD 57785

Phone: 605 347-4556

Amount of Water Claimed: 0.022 cfs (10 gpm)

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: commercial & domestic

County: Meade

Type of Waste Disposal System: septic tank and drain field

Location: south of Sturgis

PRIORITY

Date Received: 4-7-1999

Fee: \$50.00

Corrected Application Received:

Period of Annual Use: January 1 – December 31

Remarks: for campground use in August and domestic use

Diversion Point: NE ¼ NE ¼ Sec 21-T5N-R5E

Land to be Irrigated: NA

Depth of Well: 750 feet

Well Driller: Graf Drilling

Remarks:

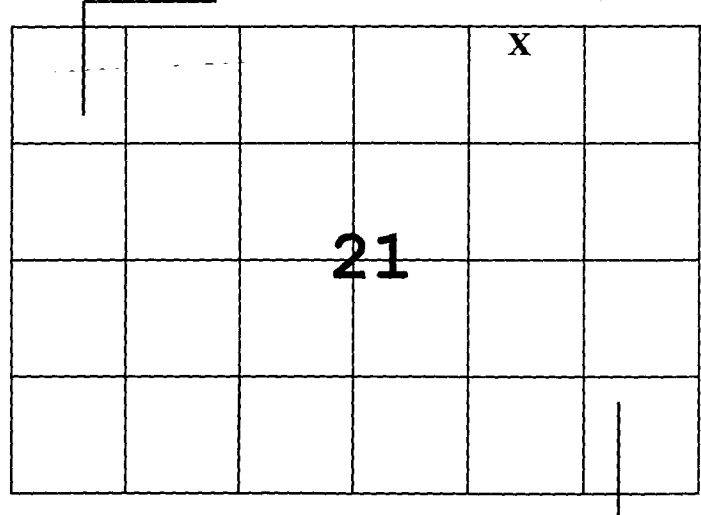
Type of Map: plat

Prepared by: Mike Hurlburt

Reviewed and the Number Assigned on: 4-7-1999

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



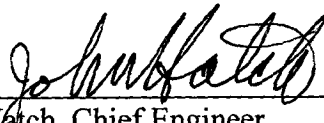
**SOUTH DAKOTA
WATER PERMIT NO. 1684-1**

Date of first receipt of application April 7, 1999.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1684-1 to Mike Ringer, PO Box 1075, Sturgis SD 57785 authorizing the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 1684-1 appropriates 0.022 cubic feet of water per second (10 gallons per minute) from one well (Madison Formation) 785 feet deep located in the NE ¼ NE ¼ (Lot 2, Wheeler Subdivision) Section 21-T5N-R5E.
2. The water appropriated shall be used for the purpose of supplying water for commercial use at a campground and domestic use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: June 1 – September 30 (commercial use) and January 1 – December 31 (domestic use).
4. The date of approval of Permit No. 1684-1 is June 14, 1999.
5. The date from which applicant may claim right is April 7, 1999.
6. 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

JUN 22 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	No. <u>1684-1</u>	(office use only) Hydrologic Unit <u>10/20202</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 <u>PRIVATE & CAMPGROUND 15 days</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.)

WATER WELL

1. Name of Applicant MIKE RINGER Phone 1-605-347-4556
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address P.O. Box 1075 Sturgis State S.D. 57785
(Street, RR, or Box and City) (Zip Code)

2. Amount of water claimed 0.022 *CFS or 10 **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater (one well)

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) MAP INCLUDED
NE 1/4 NE 1/4 (Lot 2, Wheeler Subdivision) Sec. 21-T5N-R5E
County Meade

5. County or counties where water will be used MEADE June 1 - September 30 - Commercial

6. Annual period during which water is to be used August 1 - 15 January 1 - December 31 - Domestic

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)

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, MIKE RINGER, 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 Mike Ringer

Dorothy Tinnell
Notary Public

My Commission Expires May 13, 2004

Subscribed and sworn to before me this 10th day of April 19 99

Dorothy Tinnell

Notary Public signature

Supplemental Information

(type or print in ink)

MIKE RINGER
1214 PINEVIEW RD
STURGIS, SD. 57785
1-605-347-4556

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth _____
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- 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 NO OTHER WELL On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) SEPTIC TANK + 600 FT. of DRAIN FIELD
- b) System Capacity (gallons) 1000 GAL. Year Constructed 1989
- c) Connected to the City of _____ Sanitary System _____

3. Dugout Information

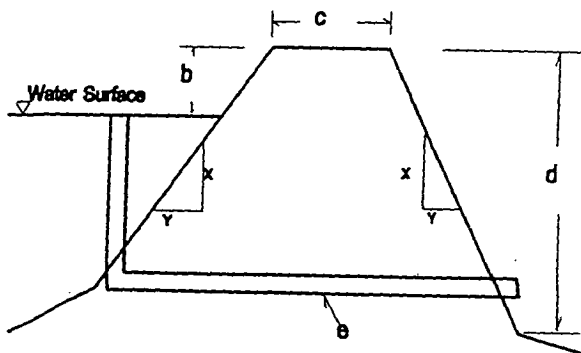
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____



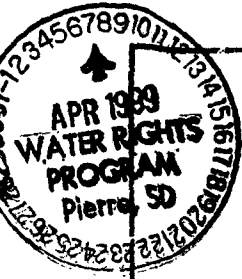
4. Water Storage Dams

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:



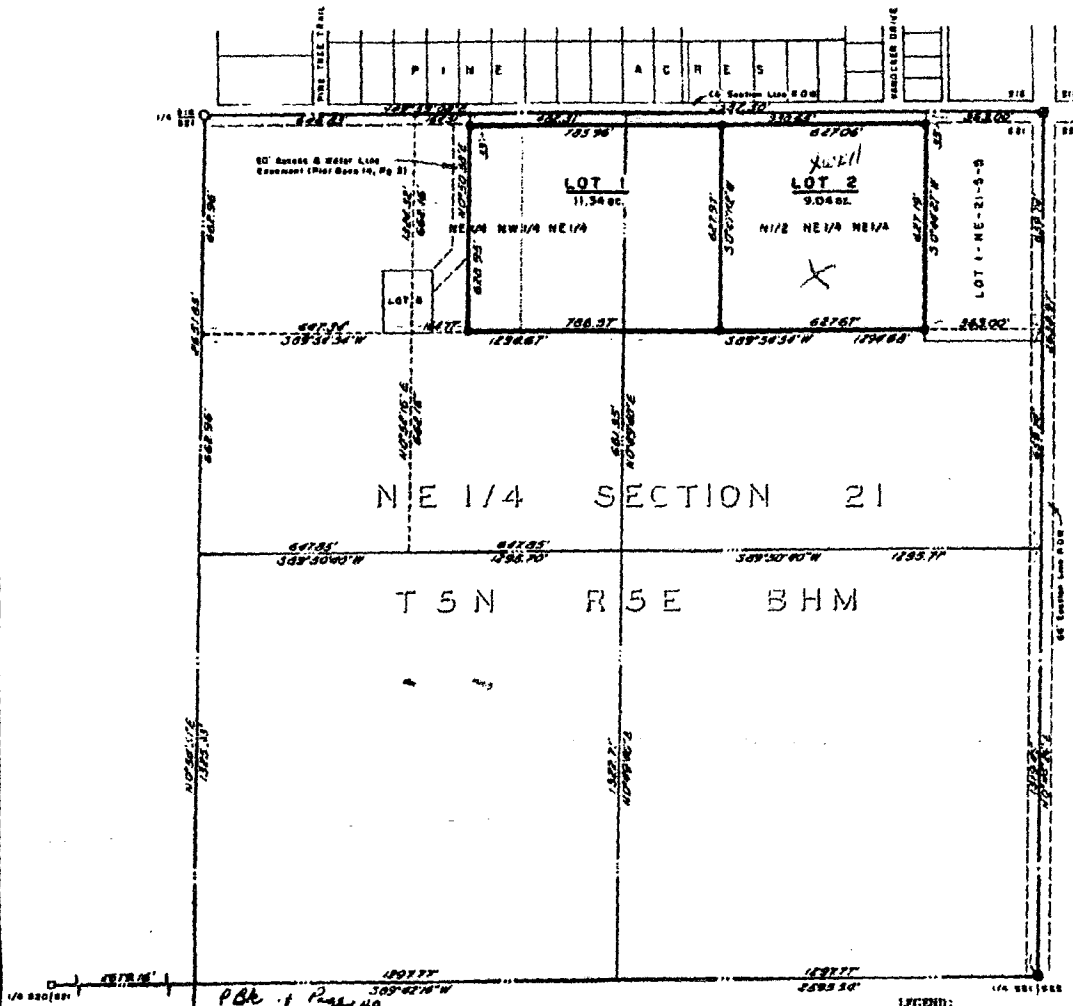
- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage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



PLAT OF LOTS 1 AND 2 OF WHEELER SUBDIVISION
A SUBDIVISION OF THE NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ AND THE N $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$
SECTION 21, TOWNSHIP 5 NORTH, RANGE 5 EAST, BLACK HILLS MERIDIAN
MEADE COUNTY, SOUTH DAKOTA

06 BT
1985 AUG 22 PM 4:18

REVERLY M. FROST
MEADE COUNTY
REGISTER



Bearings are referred to true north.

PREVIOUS PLAT TO BE VACATED IN PART (111-3-20-2)

Plat of Lots 1 and 2 of Wheeler Subdivision, a subdivision of the E $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ and the N $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ less Lot 1-NE-21-5-5, Section 21, T5N, R5E, B.H.M., Meade County, South Dakota, recorded in the Meade County Register of Deeds Office in Plat Book 14, Page 31.

The area of Lot 1 is increased by moving the west boundary line and the east-west across easement is vacated by the within plat.

LEGEND:

- Brass Cap Monument Found
- Stone Monument Found
- Corner set from Bearing Trees (Original monument obliterated)
- 1 $\frac{1}{2}$ " Aluminum Cap Monument Set

CERTIFICATE OF SURVEYOR

I, Donald L. Egge, registered land surveyor in the State of South Dakota, do hereby certify that at the request of the owner, I have surveyed Lots 1 and 2 of Wheeler Subdivision, a subdivision of the NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ and the N $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ less Lot 1-NE-21-5-5, Section 21, T5N, R5E, B.H.M., Meade County, South Dakota, on or before August 23, 1985, and that the plat is a true and correct representation of the survey.

ACKNOWLEDGMENT OF SURVEYOR

State of South Dakota
County of Meade

On this 23rd day of August, 1985, before me, a Notary Public, personally appeared Donald L. Egge known to me to be the person described in the foregoing certificate and acknowledged to me that he executed the same.

My commission expires April 5, 1988

Notary Public

CERTIFICATE OF OWNER

I, Alma E. Wheeler, owner of the NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ and the N $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ less Lot 1-NE-21-5-5, Section 21, T5N, R5E, B.H.M., Meade County, South Dakota, do hereby certify that the within plat was made at my request and under

CERTIFICATE OF TREASURER

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

Dated this 26th day of August, 1985.

M. M. Larson
County Treasurer

APPROVAL OF THE COUNTY PLANNING COMMISSION

This plat is approved by the Meade County Planning Commission this 26th day of August, 1985.

Chairman

RESOLUTION OF THE GOVERNING BOARD

I, Elizabeth Ruston, Auditor of Meade County, do hereby certify that at an official meeting held on the 4th day of August, 1985, the Board of Commissioners by resolution did approve the within plat.

Elizabeth Ruston
Auditor



WARRANTY DEED

BOOK 425 PAGE 176

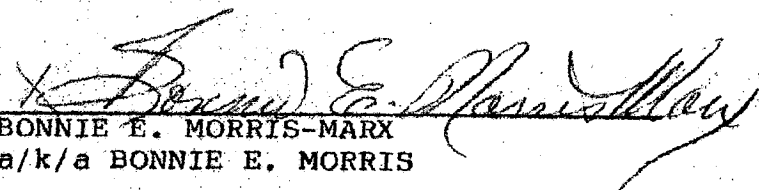
BONNIE E. MORRIS-MARX, a/k/a BONNIE E. MORRIS, a married person, grantor, of Custer County, State of South Dakota, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, GRANTS, CONVEYS AND WARRANTS, to MICHAEL R. RINGER, grantee, of P.O. Box 1857, Riverton, Wyoming 82501, the following described real estate in the County of Meade and State of South Dakota:

Lot Two of Wheeler Subdivision, a subdivision of the Northeast Quarter of the Northwest Quarter of the Northeast Quarter and the North Half of the Northeast Quarter of the Northeast Quarter of Section Twenty-One in Township Five North of Range Five East of the Black Hills Meridian, Meade County, South Dakota, as shown by the plat recorded in Plat Book 14 on Page 40, subject to easements, reservations, restrictions and covenants of record.

SOUTH DAKOTA STATE TRANSFER FEE \$38.50

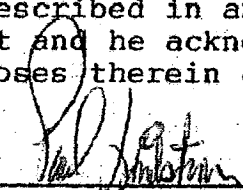
Dated this 15th day of SEPTEMBER, 1988.

CR #1374
TRANSFER FEE PAID \$38.50


BONNIE E. MORRIS-MARX
a/k/a BONNIE E. MORRIS

STATE OF SOUTH DAKOTA)
COUNTY OF MEADE) SS.

On this 15th day of SEPTEMBER, 1988, before me, a Notary Public, within and for said County and State, personally appeared BONNIE E. MORRIS-MARX, a/k/a BONNIE E. MORRIS, known to me to be the persons who are described in and who executed the within and foregoing instrument and he acknowledged to me that he executed the same for the purposes therein contained.


NOTARY PUBLIC

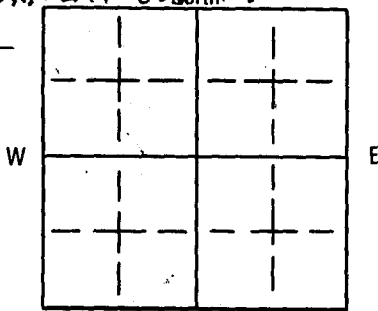
Paul Lindstrom

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 NW 1/4 Sec 21 Twp 5N Rg 5E
Sub Div. NE of NW NE 1/4 and NW 1/4
 County NE 1/4 L972 Wheeler Sub North Div.
Meade

Please mark well location with an "X"



Well Completion Date 1-12-88

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>32 LB/FT</u>	<u>9 IN</u>	<u>0 FT</u>	<u>50 FT</u>	<u>12 1/4 IN</u>
<u>28 LB/FT</u>	<u>7 1/2 IN</u>	<u>0 FT</u>	<u>35 FT</u>	<u>7 7/8 IN</u>
<u>15 LB/FT</u>	<u>6 5/8 IN</u>	<u>350 FT</u>	<u>580 FT</u>	<u>6 7/8 IN</u>
<u>14 LB/FT</u>	<u>5 1/2 IN</u>	<u>550 FT</u>	<u>750 FT</u>	<u>6 IN</u>

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? 750' 580' FEET

What is grouting material? 5 qt water 1 sk #2 cement

If cement, number of sacks? 100 SAKS

Describe grouting procedure: _____

What was grout weight? _____ LB/GAL

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material Open hole 4 1/4" 785'

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☒ YES ☐ NO

Laboratory sent to Travis Lab. Rapid

Well Owner:

Name Mike Ringer

Address 1214 Pine View Box 1075

Well Log: Sturges S.D. Depth _____

Formation	From	To
<u>Spargish</u>	<u>0</u>	<u>55</u>
<u>Limestone</u>	<u>55</u>	<u>90</u>
<u>Opeache</u>	<u>90</u>	<u>245</u>
<u>Minneapolis</u>	<u>245</u>	<u>450</u>
<u>Red sandy clay</u>	<u>450</u>	<u>520</u>
<u>Honey Void</u>	<u>520</u>	<u>530</u>
<u>Red streaks line</u>	<u>530</u>	<u>580</u>
<u>Red Lime Stone</u>	<u>580</u>	<u>750</u>
<u>Limestone</u>	<u>750</u>	<u>785</u>
<u>Void</u>	<u>785</u>	

STATIC WATER LEVEL 520 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped

☐ Bailed

☐ Other

Describe: _____

Pumping Level Below Land Surface

740' ft. After 5 Hrs. pumped 10 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

TWO SPRINGS CASSING
BECAUSE RED MARKERS.
34 STAGE GOULDS SUB PUMP
VOID AT 785 20' +

This well was drilled under license # 327

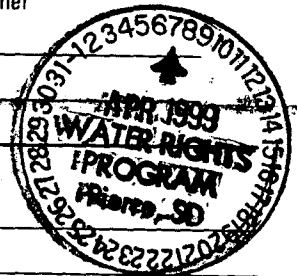
And this report is true and accurate.

Drilling firm Graf Drilling

Signature of License Representative: _____

Signature of Well Owner: _____

Date _____



RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

No 416089

Pierre, _____

April 7, 19 99

RECEIVED OF R n R Enterprises, P.O. Box 1075, Sturgis, SD 57785
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>1684-1</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>1684-1</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

This app is for our
Campground for Rally - the
Well is used daily for
our house all year.

Thank you
Mike Renger

Mike Renger
P.O. Box 1075

1214 PINEVIEW RD.

STURGIS, S.D. 57785

1-605-347-4556



**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1684-1, Mike Ringer**

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. 1684-1, Mike Ringer, P.O. Box 1075, Sturgis SD 57785.

The Chief Engineer is recommending APPROVAL of Application No. 1684-1 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 cursive script, appearing to read "John Hatch", written in dark ink.

JOHN HATCH, Chief Engineer
May 19, 1999

WATER PERMIT APPLICATION NO. 1684-1

MIKE RINGER

MAY 18, 1999

Water Permit Application No. 1684-1 proposes to appropriate 0.022 cubic feet of water per second (cfs) [10 gallons per minute (gpm)] from one well (Madison Limestone), 785 feet deep, located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ (Lot 2, Wheeler Subdivision) Section 21, T5N-R5E. The water is for commercial use at a campground and for domestic use.

AQUIFER: Madison Aquifer (MDSN)

GENERAL:

The Madison Aquifer is a massive, carbonate (limestone and dolomite) aquifer that underlies most of western South Dakota. It is estimated that the aquifer contains at least 640 million acre-feet of recoverable water in storage in the State (Allen, 1984). The importance of the Madison as an aquifer is largely due to randomly distributed zones of secondary porosity and permeability formed by weathering of exposed surfaces, groundwater solution, and fracturing. These zones also play an important role in determining the hydraulic behavior of the Madison aquifer and the response of the system to stress. Recharge to the Madison aquifer occurs through streamflow losses and direct infiltration of precipitation at the outcrop area. Recharge for the entire Madison Aquifer in South Dakota has been estimated to range from 140,000 to 400,000 acre-feet per year (Woodward Clyde, 1981). The Madison is generally considered an excellent aquifer both in terms of quality and quantity, especially near the outcrop (recharge area). The Madison outcrop is located within one mile of this well site (Darton, 1925). The top of the Madison, estimated from the completion report for the well is approximately 750 feet below ground surface at this well site. The static water level of this well was reported to be 520 feet below grade in 1989.

WATER AVAILABILITY:

The high cost of Madison wells, except very near the outcrop, and the availability of groundwater from shallower aquifers, has limited domestic development and generally restricted usage from the Madison to those uses which require Water Rights. There are 106 permits/rights which appropriate water from the Madison aquifer in South Dakota. The majority of the water rights/permits from the aquifer are from Butte (17), Lawrence (20), Meade (17), Pennington (30) and Fall River (10) Counties. The Madison supplies water for irrigation, geothermal, industrial, commercial, recreational, and commercial use. However, by far the major use of the aquifer is for common distribution systems (suburban housing development and municipal use). The cities of Spearfish, Belle Fourche, Whitewood, Sturgis, Rapid City, Box Elder and Edgemont all depend on water from the Madison Aquifer.

If the worst case assumptions are made that (1) permits/rights with an annual withdrawal limitation (ac-ft/yr.) will use the maximum allowable; and (2) permits/rights that are limited by a diversion rate only, will use 60% of the maximum allowable (considered reasonable for water distribution systems); the total water use from the Madison would be approximately 50,000 acre-feet per year. The actual amount of water used from the Madison is considerably less than this estimate. Three Future Use Permits (2086-2, 1833-2, and 369-1) reserve another 6,455 acre-feet annually from the Madison Aquifer for future use. Comparison of the estimated annual recharge to the Madison with

the water use estimated from the aquifer indicates unappropriated water is available from the Madison aquifer.

This application proposes an additional appropriation of, theoretically up to 16 ac-ft/yr. from the Madison Aquifer (continuous pumping at permitted discharge rate). Realistic usage from this well would be much less this amount. This amount of water will not significantly upset the balance of withdrawals to recharge for the system.

The Water Rights Program monitors three observation wells completed into the Madison Aquifer within approximately 5 miles of this well. Observation well MD-86A was completed into the Madison Aquifer about one half-mile northwest of this well. The hydrograph of the well (figure 1) clearly shows the aquifer's response to recharge. The hydrograph also illustrates the magnitude of fluctuation of the water level of the Madison Aquifer in this area (54.2 feet) between the relatively wetter period from 1995 to present and the dryer early 1990's. The aquifer is replenished fairly rapidly and water is withdrawn from storage more gradually.

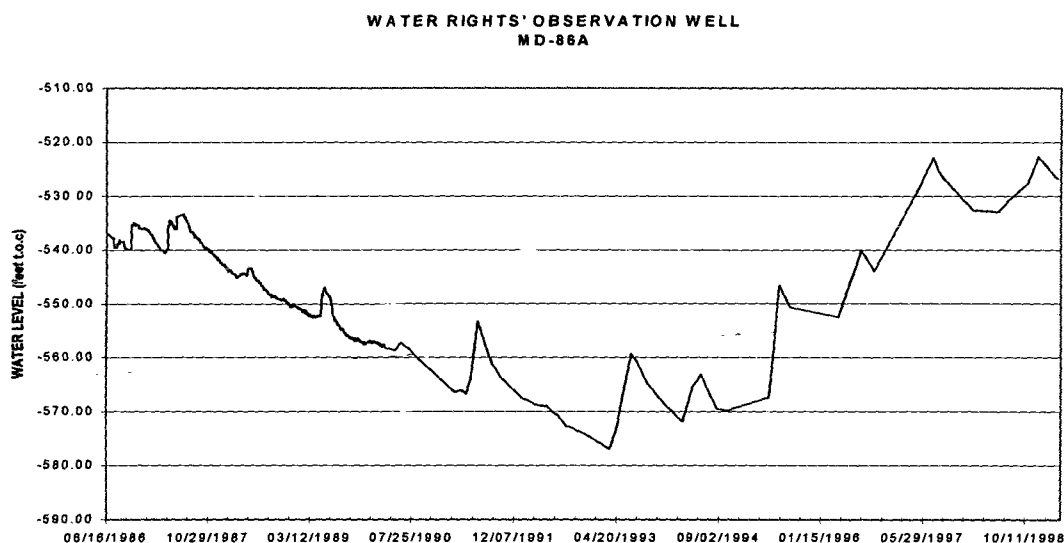


Figure 1, Madison Aquifer Observation Well MD-86A Hydrograph

The Water Rights Program monitors 26 observation wells completed into the Madison aquifer in the Black Hills Area. Records from the observation wells indicate the potentiometric surface of the Madison Aquifer fluctuates 30-40 feet per year near the recharge area in response to seasonal and climatic variations. Long term water-level declines are not apparent from any of the hydrographs. Observation well data suggest that at the existing level of development, natural influences dominate the water level of the aquifer and the effects of pumping as yet are not obvious.

AFFECTS ON EXISTING RIGHTS:

There are a number of domestic wells on file with the Water Rights Program in this area. They are supplied from six general zones, listed in descending order: alluvium, Spearfish Formation, Minnekahta Limestone, Opeche Shale, Minnelusa Formation and the Madison Limestone. Most of the wells in the area obtain water from aquifers shallower than the Madison.

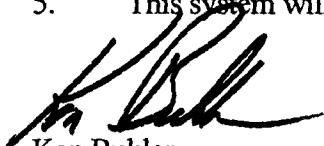
There are four Water Rights that appropriate groundwater within approximately one half mile of this well site. They include:

Water Right No.	Owner	Distance	Aquifer
780-1 ₁	City of Sturgis Water Dept.	Less than ¼ mile	Madison*
1287-1 ₁	City of Sturgis	Less than ¼ mile	Madison*
441A-1	City of Sturgis Water Dept.	½ mile	Madison*
1473-1	Veterans Adm. Medical Ctr.	½ mile	Deadwood
• wells are completed into both the Minnelusa and Madison Aquifers • One well is used to supply both Water Rights			

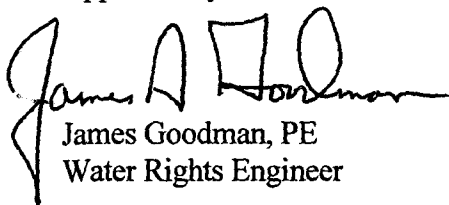
Any well interference this proposed appropriation would have on area wells is not expected to be adverse due to the low proposed pumping rate (10gpm), the distance between wells, and the apparent hydrologic separation between the Madison and shallower aquifers in the area.

CONCLUSIONS:

1. This is an application to appropriate water for a temporary campground and domestic use from an existing well.
2. This application proposes to appropriate 10 gpm from the Madison Aquifer.
3. Data indicates that unappropriated water is available from the Madison Aquifer in this area
4. This appropriation will not adversely impair existing ground water rights due to low proposed pumping rate the distance between wells, and the apparent hydraulic separation between the Madison and shallower aquifers in this area.
5. This system will use a septic tank and drain field for effluent disposal.


Ken Buhler
Water Rights Engineer

Approved by


James Goodman, PE
Water Rights Engineer

REFERENCES:

- Allen, J.C., D.Iles, A.Petres, 1984, Analysis of Groundwater and Streamflow Data, Western Dakotas Region of South Dakota, Task 3 & 4: Groundwater Resources Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-015, SD DENR- Geological Survey, Vermillion SD
- Darton, N.H., Paige, S., 1925, Geologic Atlas of the United States, Central Black Hills Folio, U.S. Geologic Survey Folio No. 219.
- Water Rights Program, 1999, "Unpublished Observation Well Records", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 1999, "Domestic Well Log Files", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 1999, "Water Permit/Right Files", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Woodward Clyde Consultants, 1981, Well Field Hydrology Technical Report, for the ETSI Coal Slurry Pipeline Project, U.S. Dept. of Interior, Bureau of Land Management



**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 PUBLICATOIN ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.

May 20, 1999

Mike Ringer
P.O. Box 1075
Sturgis, SD 57785

Dear Mr. Ringer:

Water Permit Application No. 1684-1 for commercial and domestic 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

May 20, 1999

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

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 1684-1 to Appropriate Water to be published twice. Please publish the first notice on May 26, 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 Mike Ringer, P.O. Box 1075, Sturgis, SD 57785 (Ph # (605) 347-4556).

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. 1684-1

Date _____

We are in receipt of your letter of May 20, 1999, enclosing Notice of Hearing to Appropriate Water by Application No. 1684-1 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 May 26, 1999, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 1684-1 to Appropriate Water

Notice is given that Mike Ringer, PO Box 1075, Sturgis SD 57785 has filed an application for a water permit to appropriate 0.022 cubic feet of water per second (10 gallons per minute) from one well (Madison Formation) 785 feet deep located in the NE ¼ NE ¼ (Lot 2, Wheeler Subdivision) Section 21-T5N-R5E. The water is for commercial use at a campground and for domestic use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1684-1 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 June 14, 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.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SS
 County of Meade)

I, Joan M. Lewis

certify that the attached printed Notice was taken

from the Meade County

Times

printed and published in Sturgis

County of Meade and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

May 26, 1999

June 2, 1999

Cost of Printing 35.03

Joan M. Lewis
 (Signature)

Bookkeeper
 (Title)

6/2/99
 (Date Signed)

Appropriate water**NOTICE OF APPLICATION****NO. 1684-1 to Appropriate Water**

Notice is given that Mike Ringer, PO Box 1075, Sturgis SD 57785 has filed an application for a water permit to appropriate 0.022 cubic feet of water per second (10 gallons per minute) from one well (Madison Formation) 785 feet deep located in the NE 1/4 NE 1/4 (Lot 2, Wheeler Subdivision) Section 21 -T5N-R5E. The water is for commercial use at a campground and for domestic use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1684-1 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.

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Publ May 26 and June 2, 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

JUN 22 1999

Mike Ringer
P.O. Box 1075
Sturgis, SD 57785

Dear Mr. Ringer:

Enclosed is Water Permit No. 1684-1 authorizing your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

We will schedule an inspection so that the Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

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

enclosures

Permit No. 1684-1
Upper Cheyenne - 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, May 13, 2003, made a thorough examination of the water use system constructed by Mike Ringer of PO Box 1075, Sturgis SD 57785 holder of Permit No. 1684-1, bearing the priority of April 7, 1999 authorizing the diversion of 0.022 cu. ft. per second of the waters of ground water (Madison formation) for commercial and domestic purposes, in Meade County.

Inspection contact & relationship to permit holder, if applicable: **Mike Ringer, owner**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Graf Drilling
- 2) No. of Wells 1
- 3) Depth(s) 785 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 9, 7, 6.6 & 5 inches
- 2) Length 750 feet
- 3) Type Steel

Screen:

- 1) Type open hole
- 2) Length 35 feet
- 3) Static water level 520 feet

Motor/Pump:

- 1) Make Unknown submersible
- 2) Capacity 10 GPM

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

Water is diverted to three, 80 gallon pressure tanks and then distributed to showers and sinks plus ten camper hookups.

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: Well: 675 feet W and 75 feet S from the NE corner section 21-T5N-R5E (NE¼NE¼ -- Lat. 44.38706, Long. -103.51181). The works are capable of diverting and conveying to the place of use 0.022 cu. ft. per second of water which is to be used for commercial and domestic purposes. Water has been put to beneficial use to the maximum extent and the license should be issued for 0.022 cfs.

All structures, wells and lands on map Y

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



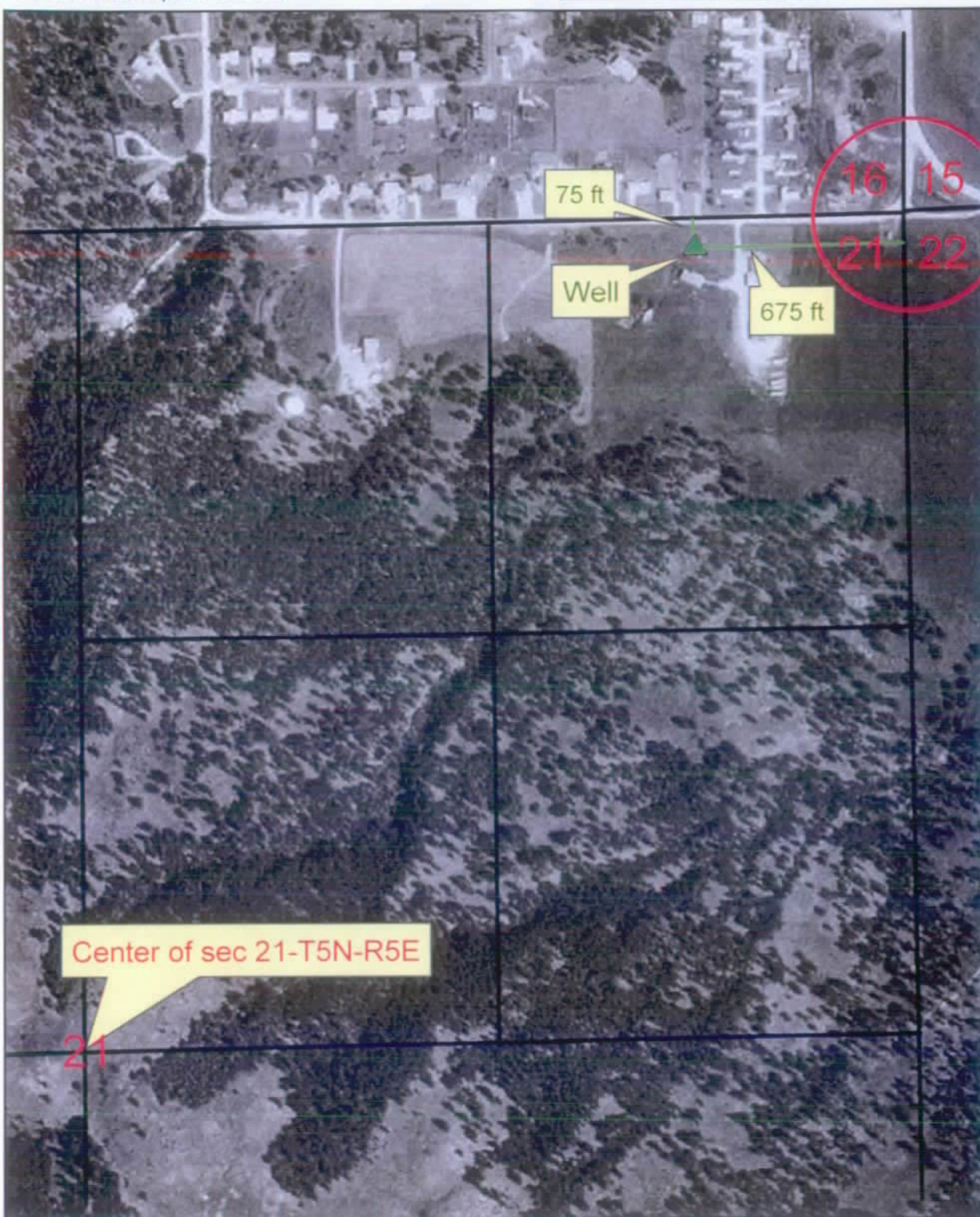
Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

Date report completed: July 22, 2003

Scale: 1 inch equals 483 feet

675

Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by:


Ron Duvall, Natural Resources Engineer
Water Rights Program

Diversion point(s) located using GeoExplorer II GPS

Date: July 22, 2003

Water Right No. 1684-1

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1684-1

(1) Mike Ringer, PO Box 1075, Sturgis SD 57785 made Application No. 1684-1, April 7, 1999 for a water permit to divert 0.022 cubic feet of water per second from ground water (one well – Madison Formation), Meade County, South Dakota for commercial and domestic purposes. Permit No. 1684-1, with a priority date of April 7, 1999 was approved June 14, 1999 and issued to the applicant for diversion of water with construction of the water supply system and the application to beneficial use of water completed.

(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, Mike Ringer, PO Box 1075, Sturgis, SD 57785 the holder and/or owner of Water Right No. 1684-1 is issued a license, bearing a priority date of April 7, 1999 to appropriate 0.022 cubic feet of water per second from ground water (one well – Madison Formation). The water is used for commercial purposes for showers and camper hookups and also for domestic use by the owner.

The diversion point is located as follows:

- 675'W and 75'S of the NE corner of Section 21, T5N, R5E (NE ¼ NE ¼).

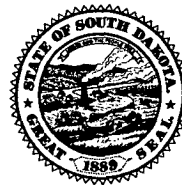
(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 1684-1.

Garland Erbele

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

OCT 10 2003

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

OCT 10 2003

1684-1

Mike Ringer
PO Box 1075
Sturgis SD 57785

Dear Mr. Ringer:

Enclosed is Water License No. 1684-1. This is the final water right document completing your process of obtaining a Water Right. Also enclosed is a map prepared by the staff engineer who conducted the field 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. 1684-1, 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