

Considered: _____

WATER PERMIT NO. 2053A-2

MAP No. same 341-6639

Name of Applicant Spring Canyon Water Company

Post Office Address 5703 Pioneer Circle, Rapid City SD 57702

Amount of Water Claimed no add'l see No. 2053-2 Total Acres _____

Source of Water Supply Madison Formation

Water to be used for suburban housing County Pennington

About 5 miles S of Rapid City

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received Oct 6, 1989 Fee \$50⁰⁰ Remarks Appl. is

to change a diversion point location with replacement well

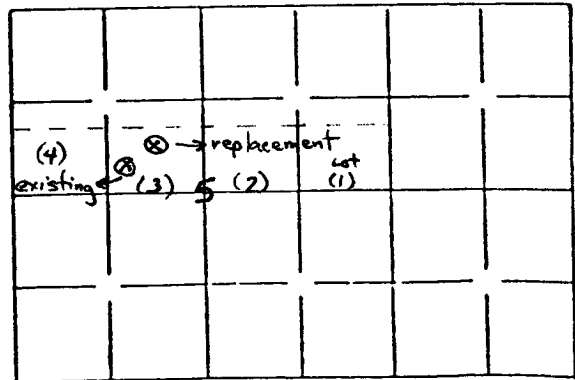
Corrected Application Received _____ Period of Annual Use Jan 1 - Dec 31

WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point replacement well: government
Lot 3 section 5-T1S-R7E

Land to be Irrigated NA



Well Log: Driller well not drilled Licensed YES _____ NO _____

Depth of Well _____ REMARKS _____

Type of Map plat PREPARED BY Rodney Meador Reviewed and the Number assigned on Oct. 18, 1989 By Ron Duval

No. 2053A-2 Hydrologic Unit 10120109
 Map No. same Basin Upper Cheyenne R
 Newspaper RC Journal Box 450 57701

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

Check use of water: Industrial ☐ Commercial ☐ Municipal ☐ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☒ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☒ (above 18gpm) Other ☐

Type of Application: Check one or more of the following

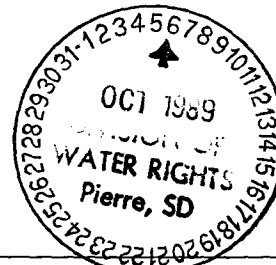
New ☐ Vested Right ☐ Future Use ☐ Change Use ☐

☒ Amend Permit No. 2053-2 with old priority date retained

Change diversion point(s) ☒ Add diversion point(s) ☐ Other ☐

☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____

☐ Construction to use water reserved by Future Use Permit No. _____



1. Name of Applicant Spring Canyon Water Company Phone No. 341-6639

Post Office Address 5703 Pioneer Circle, Rapid City State SD 57702
(Street, RR or Box) (City) Zip Code

2. Amount of water claimed (c.f.s) 35 GPM(.08 CFS) (23 GPM Main/12 GPM) (no add'l)

3. Source of water supply Madison Formation

4. Location of point of diversion Main Well Same - New Well: 363.39 feet on a true bearing
of south 20 degrees 49 minutes 22 seconds east from the south section corner between
Sections 31 and 32, Township 1 North, Range 7 east of Black Hills Meridian. Lot 4 of
Block 3 of Spring Canyon Estates in Government Lot 3, Sec. 5, T1S, R7E, BHM Pennington
County, SD County

5. Counties where water will be used Pennington

6. Annual period during which water is to be used Year Round January 1 - December 31

7. Give a brief description of proposed 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)

Drill a replacement well for previously permitted second well that produced 12 GPM.
See attached permit.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
 County of Pennington)^{ss}

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

Signed

Dean E. Draxton

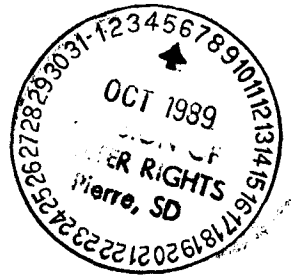
Subscribed and sworn to before me this 5th day of October 1989

Colleen L. Lang
 Notary Public

expired 10-6-95

Supplemental Information

(type or print in ink)



1. Well Information - Proposed construction

- a) Drill Hole Diameter 8.75 inch Depth 500
- b) Casing Type Steel Diameter 7 inch Thickness .25 inch
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack Thickness _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material 290 Feet
- f) Depth to Water (ground surface to water level) 270 Feet
- g) Distance to nearest existing domestic well:
 On applicants property 326 Feet On property owned by others _____

SD License # 511

Omar V. Johnson

2. Dugout Information Estimates

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

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should 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 _____

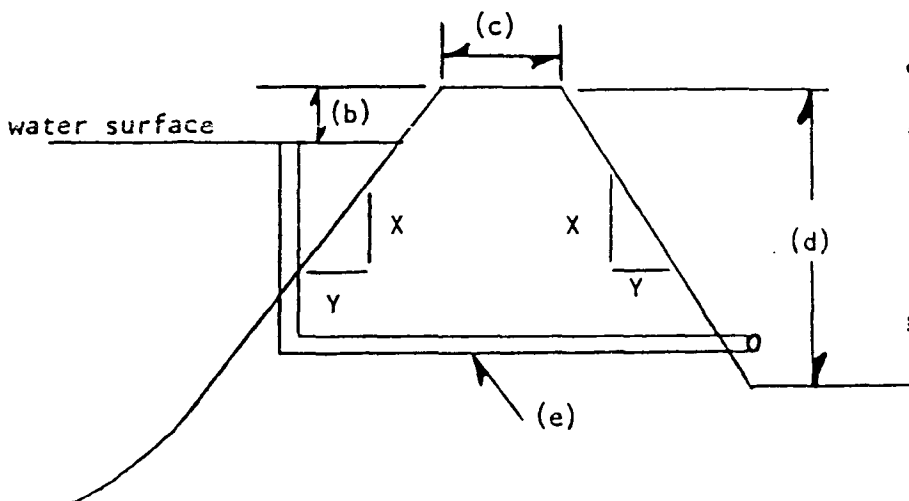
g) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Omar V. Johnson

Signature of Applicant

**SOUTH DAKOTA
WATER PERMIT No. 2053A-2**

Date of first receipt of application October 6, 1989.

The Water Management Board approved Water Permit Application No. 2053A-2 on December 7, 1989 for Spring Canyon Water Company, 5703 Pioneer Circle, Rapid City SD 57702 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. 2053A-2 amends Water Permit No. 2053-2 to change the location of a well. Permit No. 2053-2 appropriates 0.08 cubic feet of water per second (cfs) from 2 wells in the Madison Formation. This permit changes the location of one of the two wells from the NW1/4 SW1/4 to Government Lot 3; all in section 5-T1S-R7E. No increase in the 0.08 cfs diversion rate is authorized by this permit.
2. The water appropriated shall be used for the purpose of supplying the Spring Canyon Water Company and may not exceed the amount of water needed for beneficial use for suburban housing development purposes.
3. The water is to be used during the following described annual period: January 1 - December 31.
4. The date from which applicant may claim right is February 18, 1988 (see No. 2053-2).
5. One-fifth of the construction is to be completed on or before June 7, 1992.
6. All construction is to be completed on or before December 7, 1994.
7. Water is to be put to beneficial use on or before December 7, 1998.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well authorized by Permit No. 2053A-2 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
2. 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

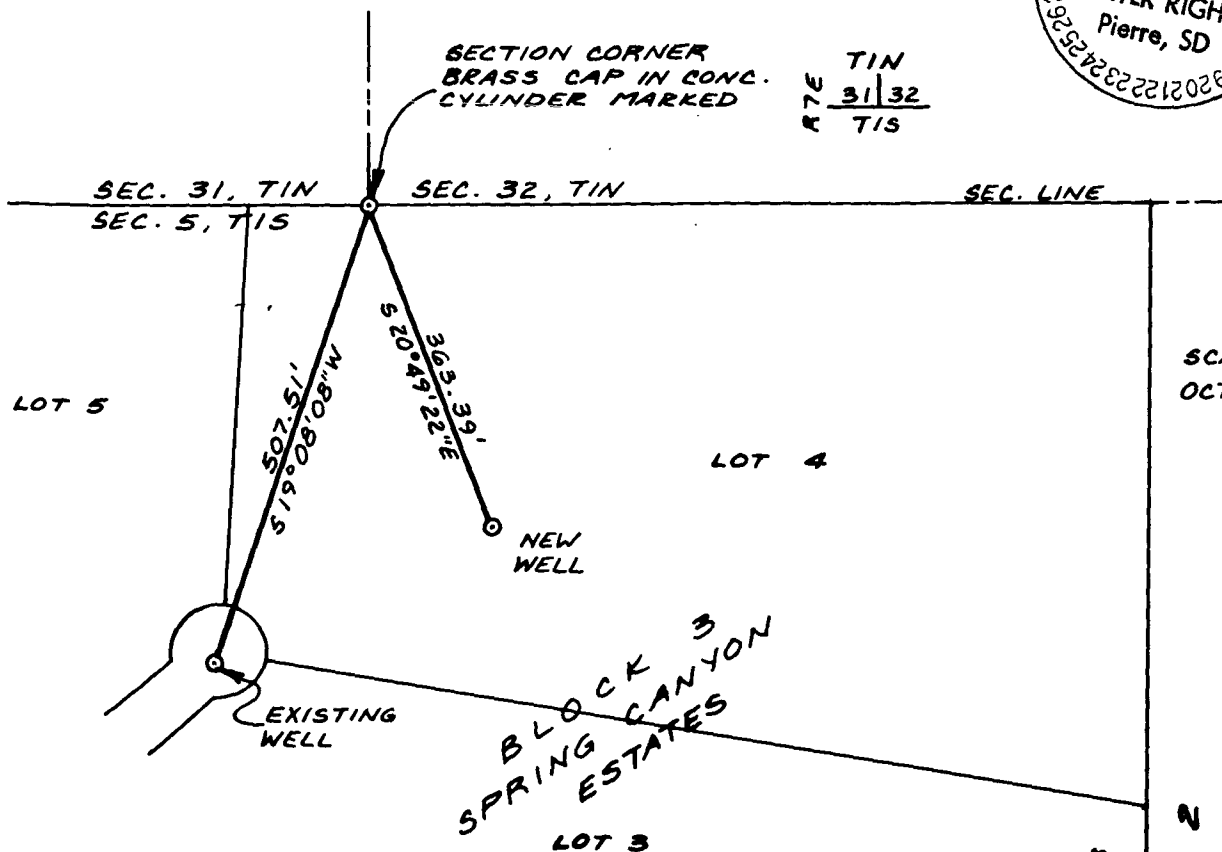
By: 
Chief Engineer, Water Rights Division
Department of Water and Natural Resources

APR 6 1990

(date)

MAP OF SURVEY

WATER WELL LOCATIONS FOR SPRING CANYON WATER CO.
PENNINGTON COUNTY, SOUTH DAKOTA

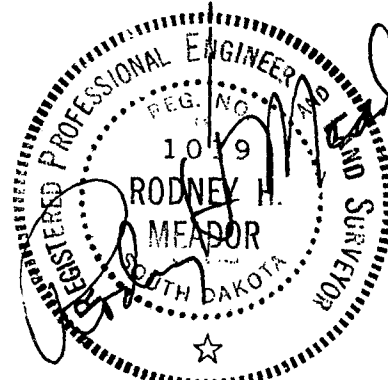


N

SCALE 1"=100'
OCT. 3, 1989

LOCATION DESCRIPTION OF NEW WELL:

The new well is located 363.39 feet on a true bearing of south 20 degrees 49 minutes 22 seconds east from the south section corner between Sections 31 and 32, Township 1 North, Range 7 East of Black Hills Meridian. The new well is located on lot 4 of Block 3 of Spring Canyon Estates in Government Lot 3, Sec. 5, T1S, R7E, BHM, Pennington County, South Dakota.



F M G, Inc.

1823 West Main
Rapid City, S.D. 57702

PROJECT: **SPRING CANYON WATER CO.**

BY 49	LOCATION SEC. 5-15-7E	JOB NO. 6301
10-3-89		

A-91 No. 2053A-2

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411982

Pierre, _____ October 10 _____, 19 89

RECEIVED OF _____ Dean Draxton, P.O. Box 8047, Rapid City, SD 57701-8047

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

Fee for Application for Permit No. <u>705 3A-2</u> to Appropriate Water, to construct works 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. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By *John Halbert*
Chief Engineer *Mr. Halbert*

October 4, 1989

Mr. Ron Duvall
SD Department of Water & Natural Resources
Joe Foss Building
523 East Capitol Ave.
Pierre, SD 57501



RE: Spring Canyon Water Company
Community Wells
Abandonment and Reapplication for Water Rights
Water Rights Permit #2053-2

Dear Mr. Duvall,

We are a community water system of 28 households that has been in existence for over 15 years.

We previously drew water from 2 wells; 23 GPM and 12 GPM (main and backup).

Over the past 2 years, we have experienced extreme difficulty with one of these wells, and have had to rely totally on our main well. The bad well is in the bottom of Spring Canyon, and regardless of reduced pumping and sand filters, it continues to fail due to fine sand infiltration.

We have consulted Dr. Paul Gries and several other well experts. They all recommend abandonment of that well and the entire site. It is strongly felt that we need to drill a well as far away from the canyon as we can.

Without our second well, we have only .66 GPM per household. We cannot increase the flow from our remaining well due to its tendency for sandy flow above 25-30 GPM, as per the driller's recommendation.

There is a strong possibility of another 6-7 homes being built in our development who would be entitled to water. This would push our per household flow even lower.

With the assistance of Dr. Gries and others, we have selected a more suitable site for a second well and have received full approval from the homeowners. They clearly recognize the need for a second source of water. Therefore, we respectfully request your approval of the attached application for water rights for a new replacement well maintaining the old priority date previously assigned under this permit.

Thank you for your consideration.

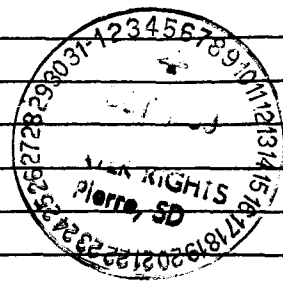
Sincerely,

A handwritten signature in cursive script that reads "Dean E. Draxton".

Dean E. Draxton

DED/nh

<u>CUSTOMER NAME</u>	SPRING CANYON WATER COMPANY #2
<u>DEVELOPMENT</u>	SPRING CANYON
<u>ADDRESS</u>	
<u>LEGAL DESCRIPTION</u>	R7E-T1S-S5 1650 FWL 400 FNL
<u>COUNTY</u>	PENNINGTON
<u>STATE</u>	S.DAK
<u>DATE</u>	7/8/75
<u>TOTAL DEPTH</u>	460
<u>STATIC WTR LEVEL</u>	
<u>PRODUCTION</u>	
<u>DRILLING</u>	
<u>CASING</u>	215' of 8.675" O.D. casing and 213' of 7" O.D. casing liner with a 10' overlap. Bottom of 7" liner is at 418'.
<u>DRILLER</u>	
<u>WATER QUALITY</u>	
<u>PUMP DATA</u>	
<u>CEMENTING INFO.</u>	
<u>LITHOLOGY</u>	0-5 CLAY BROWN 5-10 BROWN SANDSTONE 10-12 LIMESTONE 12-15 BROWN SANDSTONE 15-16 LIMESTONE 16-18 SANDSTONE BROWN 18-21 LIMESTONE 21-24 LIMESTONE W/SOME SHALE 24-26 PURPLE SHALE 26-27 LIMESTONE 27-40 LIGHT SANDSTONE W/LS LAYERS 40-70 YELLOW LIMESTONE, FAIRLY SOFT W/ HARD LAYERS, PROBABLY CHERT 70-75 YELLOW SANDSTONE 75-113 LIMESTONE YELLOW W/SOME CLAY LAYERS 113-122 RED SILTSTONE W/HARDER LS LAYERS 122-129 WHITE LIMESTONE 129-172 PURPLE SILTSTONE





This well has some loose silt in the formation but the problem is not nearly as serious as it was in the first well. As long as production does not exceed 25 to 30 g.p.m., the water appears to remain silt-free.

CONSTRUCTION
COMMENTS

REPORT ON APPLICATION NO. 2053A-2
SPRING CANYON WATER COMPANY
OCTOBER 31, 1989

Permit application No. 2053A-2 proposes to change the location of a well authorized by Water Permit No. 2053-2. Permit No. 2053-2 appropriates 0.08 cubic feet of water per second (cfs), from 2 wells in the Madison Limestone to supply the Spring Canyon Water Company. This application is to amend Permit No. 2053-2 to change the location of one of the wells from the NW 1/4 SW 1/4 to Government Lot 3; all in Sec.5, T1S-R7E. No increase in the 0.08 diversion rate is authorized by this application. The water is used for suburban housing use.

AQUIFER: Madison Limestone

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Madison Limestone is a fine to medium crystalline, cavernous limestone and dolomite as much as 750 feet thick, underlying approximately 1,489,920 acres of Pennington County (Allen, 1984). The importance of the Madison is largely due to well developed zones of secondary porosity and permeability formed by weathering of exposed surfaces, and ground water solution. The Madison aquifer is under water-table conditions in this area. Well yields from the Madison aquifer may range from 22 to more than 500 gallons/minute. The Madison Limestone contains an estimated 29,352,000 acre-feet of recoverable water in storage in Pennington County (Allen, 1984). There is no aquifer test data available for the Madison in this area; therefore, the aquifer transmissivity and storage coefficient are unknown. Estimates from regional studies of the aquifer indicate the aquifer transmissivity may range from 86 to 25,000 ft²/d, and the storage coefficient may range from 1 E⁻⁴ to 1 E⁻⁶ (Peter, 1985). The Madison is recharged through infiltration of precipitation falling directly on the outcrop, and streamflow across the outcrop. The Division of Water Rights monitors an observation well completed into the Madison, located approximately 2 miles east of this well site. Measurements indicate the potentiometric surface of the aquifer fluctuates seasonally in response to recharge, with the highest water level occurring in late spring - early summer, and the lowest water level occurring in late winter - early spring.

This suburban housing development has been using water from the Madison Aquifer for several years and there has been no reported controversy. This housing development utilizes individual septic tanks for disposal of effluent. The housing development is located on the outcrop (recharge area) for the Madison aquifer

and the Minnelusa aquifer. This application does not request an increase in diversion rate or an additional appropriation from the Madison aquifer. This application proposes to move a diversion point authorized by permit No. 2053A-2 approximately 2800 feet.

REVIEW OF EXISTING WATER RIGHTS:

The Division of Water Rights has record of several domestic wells within the vicinity of this well site. There are 13 existing Water Permits or Licenses supplied by ground water within approximately 3 miles of this permit, (for complete list of existing water rights see report for Permit No. 2053-2). Several of the wells in the area are completed into the Madison aquifer. Domestic wells and wells providing water for Water Permits are located within 3/4 mile of this well site.

CONCLUSIONS:

1. Permit application No. 2053A-2 proposes to change the location of a well authorized by Water Permit No. 2053-2.
2. Permit application No. 2053A-2 will not increase the diversion rate or total appropriation from the Madison aquifer authorized by Water Permit No. 2053-2.
3. The Madison aquifer is a viable aquifer in this area and unappropriated water is available.
4. The relocation of the well proposed by this application should not increase the potential for well interference with adequate wells in the area.



Ken Buhler
Natural Resource Engineer

approved by



James A. Goodman, P.E.
Natural Resources Engineer IV

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 Resource Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-0151, SD DWNR - Division of Geologic Survey, Vermillion, SD
- Peter, K.D., 1985, Availability and Quality of Water From Bedrock Aquifers in the Rapid City Area, South Dakota; US Geological Survey, Water Resources Investigations Report 85-4022

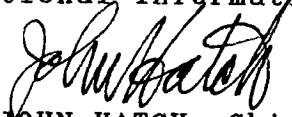
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2053A-2, Spring Canyon Water Company

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 2053A-2, Spring Canyon Water Company, 5703 Pioneer Circle, Rapid City SD.

The Chief Engineer is recommending APPROVAL of Application No. 2053A-2 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) in the public interest with the following qualifications:

1. The well authorized by Permit No. 2053A-2 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
2. 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 the attached report for additional information.


JOHN HATCH, Chief Engineer
November 1, 1989



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

November 1, 1989

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

Dean E. Draxton
Spring Canyon Water Company
5703 Pioneer Circle
Rapid City, SD 57702

Dear Mr. Draxton:

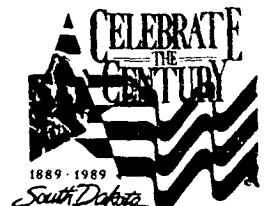
Water Permit Application No. 2053A-2 for suburban housing use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Rapid City Journal printed at Rapid City SD. For your information, a copy of the notice is enclosed. Copies of the report and the Chief Engineer's recommendation are also 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 Intent to Appropriate Water 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. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

November 1, 1989

Rapid City Journal
Box 450
Rapid City, SD 57701

ATTN: Legal Department

Enclosed is a Notice of Hearing on Application No. 2053A-2 to be published twice. Please publish the first notice on or before November 8, 1989 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 Spring Canyon Water Company, 5703 Pioneer Circle, Rapid City, SD 57702.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. The permit application cannot be considered by the Water Management Board until proof of publication has been received.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures

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

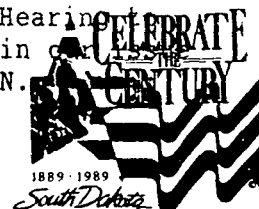
FIRST TRANSMITTAL NOTICE

TO: Ron Duvall
Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing
Appropriate Water by Application No. _____ which was first published in
of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.



Name _____

Newspaper _____

Instruction to Newspaper - Publish first Notice on or before November 8, 1989 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 2053A-2 to Amend
Water Permit No. 2053-2

Notice is given that Spring Canyon Water Company, 5703, Pioneer Circle, Rapid City, SD 55702 has filed an application for a water permit to change the location of a well authorized by Water Permit No. 2053-2. Permit No. 2053-2 appropriates 0.08 cubic feet of water per second (cfs) from 2 wells in the Madison Limestone to supply the Spring Canyon Water Company. This application is to amend Permit No. 2053-2 to change the location of one of the wells from the NW1/4 SW1/4 to Government Lot 3; all in Section 5-T1S-R7E. No increase in the 0.08 cfs diversion rate for suburban housing use is authorized by this application.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 2053A-2 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water and 3) it is in the public interest. This application will be considered by the Water Management Board in Room 216, Joe Foss Building, 523 E. Capitol, Pierre, SD on December 6, 1989 at 10:00 am. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by November 24, 1989. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by November 24, 1989.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
 County _____)

I, Mary K. Garness

certify that the attached printed Notice was taken
 from the Rapid City Journal

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

City _____ of Rapid City

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

November 8, 1989

November 15, 1989

Mary K. Garness
 (Signature)

Bookkeeper
 (Title)

November 15, 1989
 (Date Signed)



Cost of Printing: Ran 8 11/16 inches legal advertising
in the Rapid City Journal on November 8 & 15 @ \$4.20 per
inch = \$73.58

Ran public notice of hearing L141 Application
#2053A-2

Nov. 8, 15 L141
NOTICE OF HEARING
ON APPLICATION NO. 2053A-2
TO AMEND WATER PERMIT
NO. 2053-2

Notice is given that Spring Canyon Water Company, 5703 Pioneer Circle, Rapid City, SD 57702 has filed an application for a water permit to change the location of a well authorized by Water Permit No. 2053-2. Permit No. 2053-2 appropriates 0.08 cubic feet of water per second (cfs) from 2 wells in the Madison Limestone to supply the Spring Canyon Water Company. This application is to amend Permit No. 2053-2 to change the location of one of the wells from the NW 1/4 SW 1/4 to Government Lot 3; all in Section 5-T15-R7E. No increase in the 0.08 cfs diversion rate for suburban housing use is authorized by this application.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 2053A-2 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water and 3) it is in the public interest. This application will be considered by the Water Management Board in Room 216, Joe Foss Building, 523 E. Capitol, Pierre, SD on December 6, 1989 at 10:00 a.m. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by November 24, 1989. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E. Capitol, Pierre, SD 57501 (605-773-3352)." 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief engineer from the applicant or a petitioner. The request for a delay must be received by November 24, 1989.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3; 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02-01:01 thru 74:02-01:15.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

APR 6 1990

Dean E. Draxton
Spring Canyon Water Company
5703 Pioneer Circle
Rapid City, SD 57702

Dear Mr. Draxton:

Enclosed is Water Permit No. 2053A-2 as approved by the Water Management Board authorizing you to construct your water diversion system and put the water to beneficial use, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John Hatch". The signature is fluid and cursive, with the first name "John" being more prominent than the last name "Hatch".

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

enclosures

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

January 26, 1994

Spring Canyon Water Co.
Dean E. Draxton
5703 Pioneer Circle
Rapid City SD 57702

Dear Mr. Draxton:

On January 18, 1994 we received a South Dakota Well Rehabilitation Report (copy enclosed) from Cimarron Drilling. The report indicated that one of the Water Company's wells was rehabilitated in June, 1993 extending the drill hole depth from 540 feet to 740 feet. Water Permit Nos. 2053-2 and 2053A-2 authorize 0.08 cubic feet of water per second from two Madison Formation wells. The rehabilitation report indicates the well was extended into the Deadwood Formation. Since this well is now into a different water source, a new water permit application will need to be obtained for the Deadwood Formation well.

Enclosed are water permit application forms, and instruction sheet. The filing fee for this application will be \$50.00. It will not be necessary to submit a map showing the well location. The map filed with Permit No. 2053A-2 can be used. On the application, please specify which of the two wells was deepened and the maximum diversion rate from each well. If you have any questions, please contact this office.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

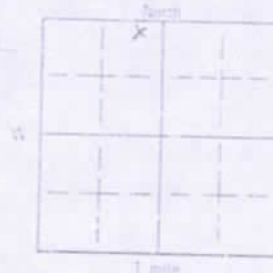
10-25

Location NE NW Sec 5 Twp 1 S Rg 7 E

County

Pennings

Please mark well location with an "X"

Well Completion Date 2-15-90

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock
Method of Drilling Air Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
23 LB/FT	7 IN	0 FT	440 FT	8 3/4 IN
— LB/FT	open	440 FT	520 FT	6 3/4 IN
— LB/FT	— IN	— FT	— FT	— IN
— LB/FT	— IN	— FT	— FT	— IN

GROUT

Was the well grouted? ☒ YES ☐ NO

To what depth?

What is grouting material? Neat cementIf cement, number of sacks? 40 sacksDescribe grouting procedure Press grouted from 270' to returns.Drop lined 3 sacks up to pitless depthWhat was grout weight? 15 LB/GALSCREEN: ☐ Perforated pipe ☐ ManufacturedDiameter 1 1/4 IN Length — FEETMaterial 6 1/4" open hole completion 440'-520'Slot Size — Set From — Feet To — FeetSlot Size — Set From — Feet To — FeetSlot Size — Set From — Feet To — FeetOther information Steel casing also perforated3 1/2 - 4 1/2" (see log)Was a packer or seal used? ☒ YES ☐ NOIf so, what material? RubberDescribe packer(s) and location? Packer set at280'.Was well disinfected upon completion? ☒ YES ☐ NOExplain ChlorinatedBacteriological analysis: ☒ YES ☐ NOLaboratory sent to —

Well Owner

Name Spring Canger Water Co.Address 5203 Pioneer Circle, Rapid City, SD 57701

Well Log

Length

Formation	From	To
<u>Hardpan 55' to 65'</u>	<u>0'</u>	<u>160'</u>
<u>10' tan to red tan</u>		
<u>Prodiger - white</u>	<u>160'</u>	<u>440'</u>
<u>15' some tan</u>		
<u>clay with much</u>		
<u>fracturing 1' sand at</u>		
<u>270' (some water</u>		
<u>at 420' - 425')</u>		
<u>LS - white to tan</u>	<u>440'</u>	<u>500'</u>
<u>(water) some water for</u>		
<u>LS, red - mottled</u>	<u>500'</u>	<u>520'</u>
<u>early</u>		

STATIC WATER LEVEL 300' feetIf flowing, check pressure — PSIGPM flow — through — with pipeControlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify

Can well be completely shut off?

WELL TEST DATA

☒ Pumped Air pumped at 20-25☐ Bailed Describe gpm from 520'☒ Other Installed pump

Pumping Level Below Land Surface

463 ft. After 1 Hrs. pumped 20 + GPM463 ft. After 8 Hrs. pumped 10 GPM— ft. After — Hrs. pumped — GPM

REMARKS

Drilled to 765' & tested
well production at a maximum
of 5-6 gpm. Drilled to 520'
increased rate to 20-25 gpm.
Well is TD in Eaglewood.
Log to original depth of 462'
attached.

This well was drilled under license # 511

And this report is true and accurate

Drilling firm Pennings V. Johnson

Signature of License Representative

Pennings V. Johnson

Signature of Well Owner

William H. Johnson, PresidentDate 2/13/90

STATE OF SOUTH DAKOTA - DEPT. OF AGRICULTURE
 THIS IS TO CERTIFY THAT THE MICROPHOTODUPLICATION IMAGE APPEARING ON THIS SLIDE OF MICROFILM IS AN ACCURATE REPRODUCTION OF THE
 ORIGINAL RECORD AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF SOUTH DAKOTA COMPILLED
 LAW 1-27-4. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS IN A MANNER
 AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTODUPLICATION
 REPRODUCTIONS. REDUCTION 25:1 ROLL NO. U-5
 DATE MICROFILMED 3-26-91 CAMERA OPERATOR —

