

WATER PERMIT NO. 2424-2

Name of Applicant: South Canyon Country Estates Homeowners Assoc.

Address: 1520 Kings Rd, Rapid City SD 57702

Phone: 605 343-7107

Amount of Water Claimed: 0.29 cfs (130 gpm)

Total Acres: NA

Source of Water Supply: groundwater (1 well)

Water to be used for: suburban housing development

County: Pennington

Type of Waste Disposal System: septic system

Location: northwest of Rapid City

PRIORITY

Date Received: 5-27-1999

Fee: \$225

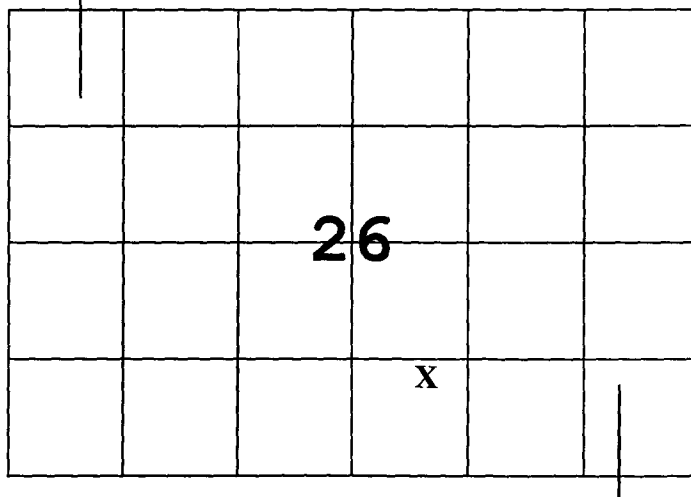
Corrected Application Received:

Period of Annual Use: January 1 – December 31

Remarks: Existing Water Right No. 1705-2 for 120 gpm

Diversion Point: SW ¼ SE ¼ Sec 26-T2N-R6E

Land to be Irrigated: NA



Depth of Well: 1240 feet deep

Well Driller: Taylor Drilling

Remarks:

Type of Map: plat

Prepared by: Sigurds Zvedneks, PE

Reviewed and the Number Assigned on: 5-27-1999

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

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

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>2424-2</u>	(office use only) Hydrologic Unit <u>10/20/10</u>
	Basin <u>Upper Cheyenne</u>	
	Newspaper <u>Rapid City Journal, Rapid City, SD</u>	



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

Check use(s) of water:

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

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

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)
Existing water right No. 1705-2 for 0.27 CFS (120 gpm)

1. Name of Applicant SOUTH CANYON COUNTRY ESTATES HOMEOWNERS ASSOC. Phone 605-343-7107
(check one) ☐ Owner ☐ Tenant/lessee
Mailing Address 1520 KINGS RD. RAPID CITY State SD 57702
(Street, RR. or Box) (Zip Code)

2. Amount of water claimed 0.29 *CFS or 130 **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 GROUND WATER WELL

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 WELL IN SW1/4 SE1/4
SECTION 26 - T2N - R6E
County PENNINGTON

5. County or counties where water will be used PENNINGTON

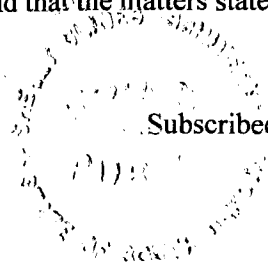
6. Annual period during which water is to be used YEAR ROUND Jan 1 - Dec 31

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)
A NEW WELL IS BEING CONSTRUCTED TO MEET MAXIMUM DEVELOPEMENT EXPANSION BASED UPON AN ENGINEERING STUDY COMPLETED BY BANNER ASSOCIATES, INC. RAPID CITY, SD. (SEE INCLUDED STUDY PAGE.)

STATE OF SOUTH DAKOTA) SS
County of PENNINGTON

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, MICHAEL S. RIKER, 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 Michael S. Riker
Subscribed and sworn to before me this 25 day of May 19 99
[Signature]
Notary Public

**SOUTH DAKOTA
WATER PERMIT NO. 2424-2**

Date of first receipt of application May 27, 1999.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2424-2 to South Canyon Country Estates Homeowners Association, 1520 Kings Dr., 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. 2424-2 appropriates 0.29 cubic feet of water per second (cfs) (130 gallons per minute) from one new well (Deadwood Formation) 1240 feet deep located in the SW ¼ SE ¼ Section 26-T2N-R6E. The Homeowner's Association currently holds Water Right No. 1705-2 appropriating 0.27 cfs (120 gpm) from two existing wells located in the NW ¼ NW ¼ Section 35 and the NW ¼ SE ¼ Section 26; all in T2N-R6E. This permits authorizes an additional appropriation of water from a new well.
2. The water appropriated shall be used for the purpose of supplying water for a suburban housing development and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 2424-2 is July 12, 1999.
5. The date from which applicant may claim right is May 27, 1999.
6. One-fifth of the construction is to be completed on or before January 12, 2002.
7. All construction is to be completed on or before July 12, 2004.
8. Water is to be put to beneficial use on or before July 12, 2008.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATION

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

WATER MANAGEMENT BOARD

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

AUG 6 1999
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 8 3/4" Depth 1240'
- b) Casing Type STEEL Diameter 7" O.D. Thickness .312"
- c) Screen Type — Diameter — Thickness —
- d) Gravel Pack — Length of Gravel Pack —
- e) Depth to Top of Water Bearing Material 900'
- f) Depth to Water (ground surface to water level) 190'
- g) Distance to nearest existing domestic well:
- On applicants property 1400' On property owned by others 1800' +

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) INDIVIDUAL SEPTIC SYSTEMS
- b) System Capacity (gallons) VARIES Year Constructed VARIES
- c) Connected to the City of — Sanitary System

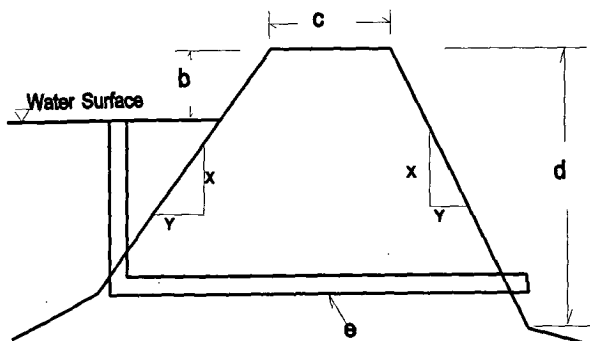
3. Dugout Information

- 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



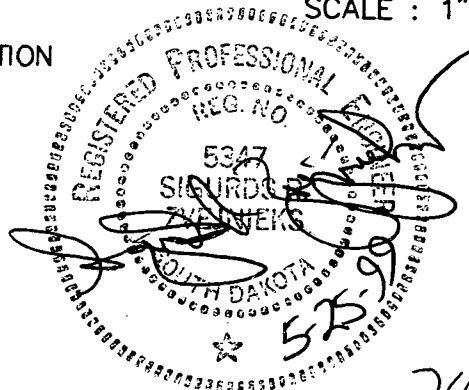
SITE PLAN

SCALE : 1"=1000'

SOUTH CANYON COUNTRY ESTATES HOMEOWNERS ASSOCIATION

NEW WELL LOCATION:

879' NORTH & 700' EAST OF THE S1/4 CORNER
SECTION 26, T2N, R6E, B.H.M.
LOT A BLOCK 7
SOUTH CANYON COUNTRY ESTATES SUBDIVISION
PENNINGTON COUNTY, RAPID CITY, S.D.



2424-2

6/25/99 MSR

SOUTH DAKOTA WATER WELL COMPLETION REPORT

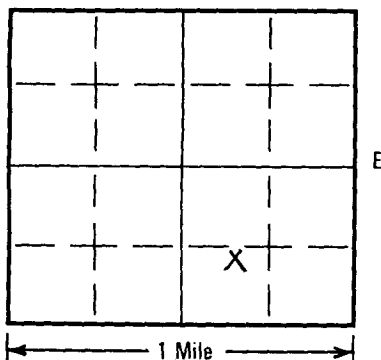
07-92

Location SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 26 Twp 2N Rg 6E
County Pennington

Please mark well location with an "X"

well #3

Well Completion Date

3-30-99

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? >100 ft. from septic system (identify source).

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Air rotaryCASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>23</u> LB/FT	<u>7</u> IN	<u>0</u> FT	<u>918</u> FT	<u>8 3/4</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement</u>	<u>125</u>	<u>15</u> lb./gal	<u>0</u> ft.	<u>918</u> ft.
_____	_____	_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure pressure grouted
through casingSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

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? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: chlorine solution

☒ NO, Why Not? pump not set yet

Laboratory sent to for water quality analysis

Well Owner: South Canyon Country EstatesBusiness Name: Home Owners AssociationAddress: 1520 Kings RoadRapid City, SD 57702

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
red shale + gravel	0	14
red + yellow ss	14	47
LS/Dol. wh, yel, pk, red (some ss)	47	316
red shale	316	340
LS/Dol. wh to yel	340	570
no return	570	920
pink to purple ss	920	960
hard green shale	960	1110
Quartzite pink to red	1110	1240

STATIC WATER LEVEL 190 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____
☐ Bailed air developed
☒ Other _____

Pumping Level Below Land Surface

800 ft. After 2 Hrs. pumped 150 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____

REMARKS

This well was drilled under license # 331

And this report is true and accurate.

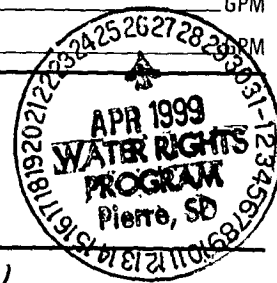
Drilling firm Taylor Drilling Co.

Signature of License Representative:

Ralph Taylor Jr.

Signature of Well Owner or Equitable Property Holder:

Date: _____



RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

NE 416131

Pierre, May 27, 19 99

RECEIVED OF South Canyon Country Estates HomeOwners Association, 1520 Kings Rd, Rapid City
the following amount in fees for services rendered as provided for by law: 57702

Fee for Application for Permit No. <u>2424-2</u> to Appropriate Water, to construct and to put water to beneficial use _____	225	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>2424-2</u> _____	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	275 00

By John Hatch
Chief Engineer

JOHN HATCH

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2VEJN1EKS

South Canyon Country Estates

WATER DISTRIBUTION SYSTEM ANALYSIS

Prepared For:

SOUTH CANYON COUNTRY ESTATES
Home Owner's Association

Prepared By:

Banner Associates, Inc.
Rapid City, South Dakota

May, 1997

Summary. Summarizing the calculations on the previous two pages, the storage is not critical for the average day demand since the available pumping rate exceeds the average day demand now and for projected full development. However, it is desirable to maintain a minimum storage equal to at least one (1) average day demand. This allows servicing of pumps if needed while still meeting the demands. If only the main well will be used in the future, a greater "cushion" than one day may be needed for pump servicing. The available storage is slightly greater than one average day currently, but will fall below one day's average demand when full development is reached.

At maximum day demands, the storage is adequate at all three pumping scenarios for existing conditions (assuming pump(s) are run continually during demand period), however if the pumping rate is only 80 gpm, it will draw the reservoir down to near the minimum operating level over the 16-hour demand period, and will require the remaining 8-hours to refill.

It appears additional storage will be required for full development, maximum day conditions unless higher supply rates are provided. If the two existing pumps can be maintained at a combined supply rate of 120 gpm, the fully developed maximum day demands (average use approach) will be met while remaining above the minimum operating level. Using the more conservative approach of full development demands, or if the pumping rates cannot produce 120 gpm, additional storage will be required. Assuming only the main well pumping at 80 gpm is in operation, the additional active storage requirement of 54,000 gallons will require an additional standpipe of the same height and approximately 23.4 feet in diameter, if placed at the same site. [Note: total new standpipe capacity would be approximately 202,700 gallons.]

If additional pumping capacity is added to the system such that the total capacity is approximately 151 gpm, maximum day demands can be met with the existing storage facilities while maintaining the water level approximately 6 feet above the minimum level. If system pressures are to be maximized (maintain full tank level) during future maximum day conditions, pumping capacity would need to equal the demand rate, or 177.5 gpm.

FIRE FLOW ANALYSIS

The decision of whether to size distribution system components, including water lines, appurtenances, and storage facilities, for fire protection must be made by the governing body and the water utility owner. However, there is no legal requirement that the water distribution system must be sized to provide fire protection. Most rural water systems in South Dakota have a branching layout and are not designed for fire protection, whereas most communities have a grid layout (looped) and do incorporate fire protection into their designs. Typically, as home densities increase, the desire to provide fire protection becomes more prevalent as it is more likely adjacent property will become involved should a fire occur. Another factor in the level of fire protection desired is the value of the properties in the area being considered.

South Canyon Country Estates lies somewhere between a rural water system and community system. The County may have included certain stipulations in the original platting process regarding water line sizing and fire protection, although we have not been made aware of such requirements. Obviously, the placement of hydrants and the water line sizing in the original



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

May 14, 1999

South Canyon Country Estates
Homeowners Association
1520 Kings Road
Rapid City SD 57702

Dear Sir:

The Water Rights Program recently received a well completion report for a well drilled March 30, 1999 by Taylor Drilling Co. for your Association. I am writing to inquire whether this well replaces one of the two wells previously authorized for the suburban housing development or if this is an additional well for an additional appropriation.

Enclosed is a copy of Water License No. 1705-2. Water License No. 1705-2 authorizes 0.27 cubic feet per second (120 gallons per minute) from two wells located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 35 and NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26; all in T2N-R6E.

South Dakota Codified Law 46-5-13.1 provides that a point of diversion 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.

If the new well is an additional appropriation of water for the Association, a new water right permit is required. Enclosed are application forms and instructions. If the well is a replacement well or an additional well which does not increase the total appropriation of 120 gpm, please let me know.

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

Karen Schlaak
Water Rights Program
605 773-3352

enclosures

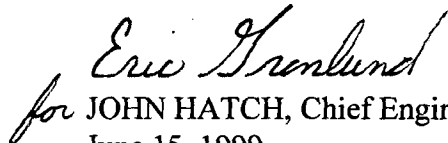
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2424-2, South Canyon Country Estates Homeowners Association

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. 2424-2, South Canyon Country Estates Homeowners Association, c/o Michael S. Riker, 1520 Kings Road, Rapid City SD 57702.

The Chief Engineer is recommending APPROVAL of Application No. 2424-2 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualification:

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

See report on application for additional information.


for JOHN HATCH, Chief Engineer
June 15, 1999

REPORT ON WATER PERMIT NO. 2424-2
for South Canyon Country Estates Homeowners Association
June 7, 1999

Application No. 2424-2 proposes to appropriate 0.29 cfs (130 gpm) from one well approximately 1240 feet deep located in the SW 1/4 SE 1/4 of Section 26, T2N-R6E. The homeowner's association currently holds Water Right No. 1705-2 appropriating 0.27 cfs (120 gpm) from two wells located in the NW 1/4 NW 1/4 of Section 35 and the NW 1/4 SE 1/4 of Section 26; all in T2N-R6E in Pennington County. This application is for an additional appropriation of water from the new well. The water is for use in the suburban housing development.

AQUIFER - DEADWOOD FORMATION (DWDD)

The Deadwood Formation is a buried aquifer under artesian conditions at this site. The aquifer is composed of sandstone, dolomite and shale which attains a thickness of 200 to 300 feet in this area (Allen, 1984). The aquifer underlies 1.49 million acres and contains an estimated 14.9 million acre feet of recoverable water in storage in Pennington County (Allen, 1984). The aquifer is areally extensive around the entire Black Hills and is hydraulically connected into Meade County to the north and into Custer County to the south. The well completion report filed with the application indicates a pink to purple sandstone from 920 to 960 feet below land surface followed by a hard green shale (Deadwood Formation). The completed well had a static water level of 190 feet below land surface and was capable of producing 150 gpm at a pumping level of 800 feet below land surface. This well has been completed in accordance with SD Well Construction Standards.

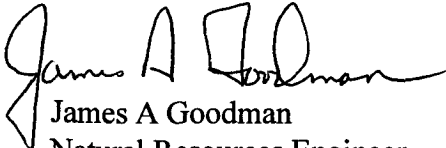
The Water Rights Program does monitor a Deadwood observation well (PE-96B) which is located about three miles north of this application. Water levels for this well do respond to climatic conditions, that is, rising during wet years (recharge) and gradually declining during dry years. The record for this well is not sufficient to determine any trends. However, the record does indicate that the aquifer is capable of sustaining additional withdrawals (Water Rights, 1999). A hydrograph of this observation well is included with this report.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

The nearest well to this application is covered by Water Right No. 1705-2 and is located about 1400 feet northwest. Another well under Water Right No. 1705-2 is located about 1500 feet southeast of this application. According to information filed with the permit the existing well located to the southeast does not produce as good as the north well, thus the new application. Interference is not a concern. There may be drawdown created by pumping but these are relatively small rates and significant drawdown should not extend to the distance between wells. The only other area Water Right is No. 2253-2 (High Meadows Ranchettes Water Users Association) and that is located about one mile south of this application. These are existing systems and have been in use for many years with no apparent problems. This additional diversion should not change the conditions in the area.

CONCLUSIONS

1. Water is available from the Deadwood Formation.
2. The aquifer is confined and under artesian conditions. Interference is not expected to be a concern. This is an existing system and has been in use for many years with no apparent problems.
3. Wastewater will be disposed of on site through septic tank and drainfield systems.
4. The well for this application has been constructed and is built in accordance with SD Well Construction Standards.



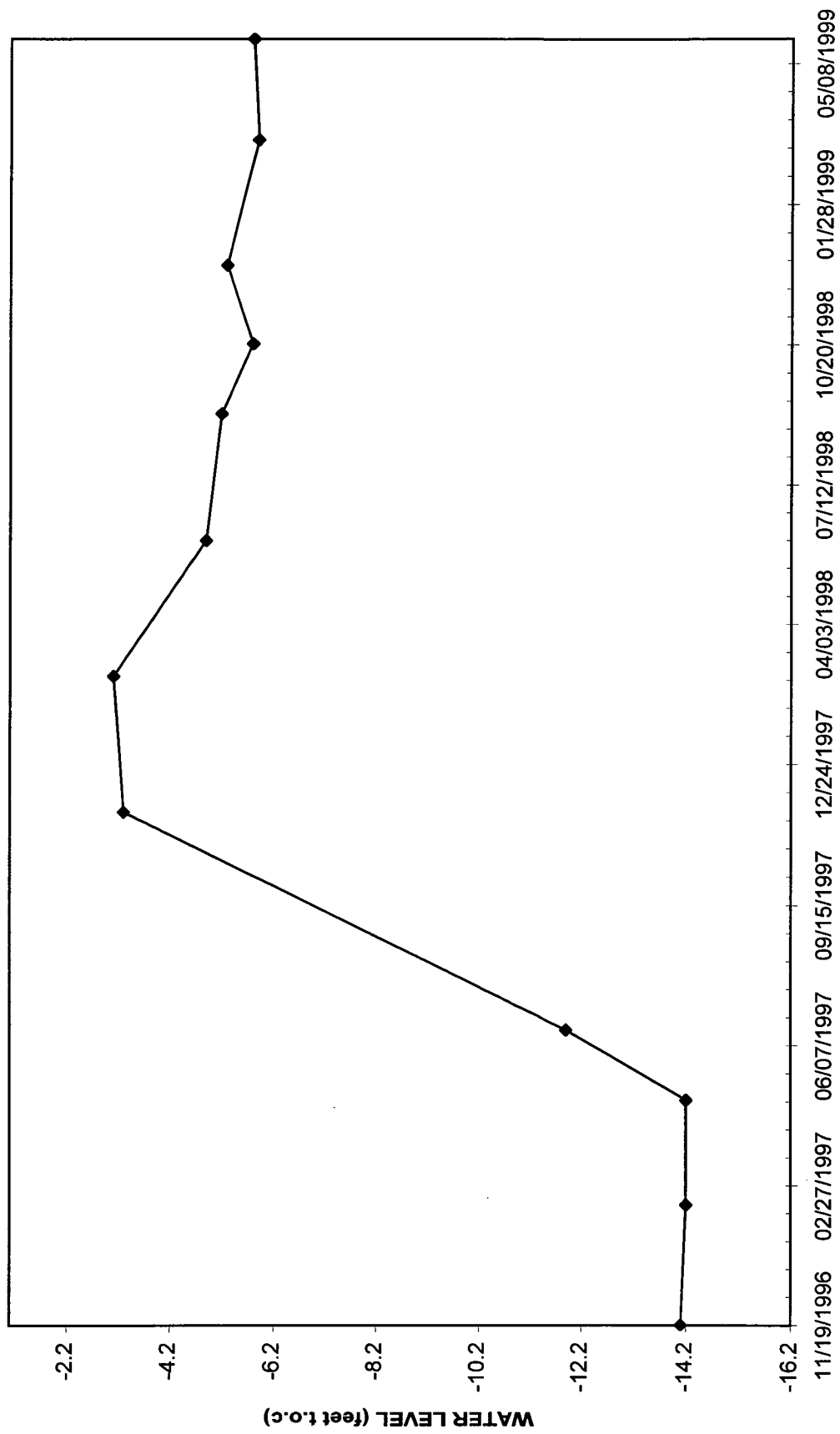
James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

Allen, J.C., D.L. Iles, A.K. Petres, 1984, Analysis of Groundwater and Streamflow Data Western Dakotas Region of South Dakota, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57609.

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

WATER RIGHTS' OBSERVATION WELL
PE-96B



Instruction to Newspaper - Publish first Notice on June 24, 1999, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 2424-2 to Appropriate Water

Notice is given that South Canyon Country Estates Homeowners Association, c/o Michael S Riker, 1520 Kings Rd, Rapid City SD 57702 has filed an application for a water permit to appropriate 0.29 cubic feet of water per second (cfs) (130 gallons per minute) from one new well (Deadwood Formation) 1240 feet deep located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26-T2N-R6E. The Homeowner's Association currently holds Water Right No. 1705-2 appropriating 0.27 cfs (120 gpm) from two existing wells located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 35 and the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26; all in T2N-R6E. This application is for an additional appropriation of water from a new well. The water is for use in the suburban housing development.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2424-2 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 12, 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.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

June 17, 1999

South Canyon Country Estates
Homeowners Association
%Michael S. Riker
1520 Kings Road
Rapid City, SD 57702

Dear Mr. Riker:

Water Permit Application No. 2424-2 for suburban housing development 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 (Ph # (605) 394-8300). 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

June 17, 1999

Rapid City Journal
P.O. Box 450
Rapid City, SD 57709-0450

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 2424-2 to Appropriate Water to be published twice. Please publish the first notice on June 24, 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 South Canyon Country Estates Homeowners Association, %Michael S. Riker, 1520 Kings Road, Rapid City, SD 57702 (Ph # (605) 343-7107).

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

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

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 2424-2

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

Date _____

We are in receipt of your letter of June 17, 1999, enclosing Notice of Hearing to Appropriate Water by Application No. 2424-2 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Form 8



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SS
County of Pennington)

I, Patricia K. Van Patten

certify that the attached printed Notice was
taken

from the Rapid City Journal

printed and published in Rapid City

County of Pennington and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

June 24, 1999

July 1, 1999

Cost of Printing Eighty-three dollars
(\$ 83.00)

Patricia K. Van Patten
(Signature)

Legal Advertising Representative
(Title)

July 2, 1999
(Date Signed)

June 24, July 1 L426662

NOTICE OF APPLICATION NO. 2424-2

TO APPROPRIATE WATER

Notice is given that South Canyon Country Estates Homeowners Association, c/o Michael S. Riker, 1520 Kings Rd., Rapid City SD 57702, has filed an application for a water permit to appropriate 0.29 cubic feet of water per second (cfs) (130 gallons per minute) from one new well (Deadwood Formation) 1240 feet deep located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26-T2N-R6E. The Homeowner's Association currently holds Water Right No. 1705-2 appropriating 0.27 cfs (120 gpm) from two existing wells located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 35 and the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26; all in T2N-R6E. This application is for an additional appropriation of water from a new well. The water is for use in the suburban housing development.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2424-2 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 filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E. Capitol, Pierre SD 57501 (605-773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 12, 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.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

AUG 6 1999

South Canyon Country Estates
Homeowners Association
%Michael S. Riker
1520 Kings Drive
Rapid City, SD 57702

Dear Mr. Riker:

Enclosed is Water Permit No. 2424-2 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Very truly yours,

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

enclosures

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



Date 2/7/00

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

FROM: SOUTH CANYON COUNTRY ESTATES HOMEOWNERS ASSOCIATION
(name) C/O MICHAEL RIKER
1520 KINGS RD. RAPID CITY
(address)
RAPID CITY, SD 57702
(city, state, zip) D 605-343-0222
E 605-343-7107
(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

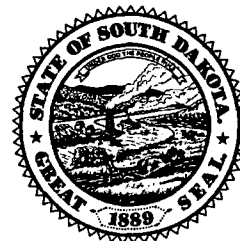
Water Permit No. 2424-2 states that the water use system is to be constructed by July 12, 2004, and water is to be put to beneficial use by July 12, 2008.
(date) (date)

The water use system was completed on 2-4-2000.
(date)

Applying the water to beneficial use was completed on 8-19-1999.
(date)

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

Michael L. Riker
(signature)



Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 2424-2

I have this day, Jan 6, 2016, made a thorough examination of the water use system constructed by South Canyon Country Estates of Permit No. 2424-2, bearing the priority of 5/27/1999 authorizing the diversion of 0.29 cu. ft. per second of the waters from a single well for suburban housing purposes, in Pennington County.

Inspection contact & relationship
to permit holder, if applicable:

Michael Riker, 8545 Kings Court, Rapid City, SD 57702
President, South Canyon Estates Home Owners Assn.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Taylor Drilling (1999)
- 2) No. of Wells 1
- 3) Depth(s) 1,240 feet
- 4) Well log Y

Comments: This well is designated well # 3. Well # 1 under license 1705-2 is still being used. Well #2 under license 1705-2 has been abandoned.

Casing:

- 1) Diameter 7"
- 2) Length 918 feet
- 3) Type Steel 23 lb/Ft.

Screen:

- 1) Type open hole
- 2) Length 322 feet
- 3) Static water level 190 feet

Pump:

- 1) Make Grundfos
- 2) Model 150S300-17
- 3) Size 6"
- 4) Capacity 160 GPM (Flow meter registered 150 gpm at time of inspection)
- 5) Press @ Well Head est. 52 PSI

Motor: HP rating 30 hp

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

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

Comments: Wells #1 and #3 both pump to 60 ft. tall 140,000 gal. storage tank.

C. Works used to apply water to beneficial use:

PVC pipeline distribution system

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by : see below
- 2) Exceptions to compliance are: The well is permitted for 0.29 cfs. On the day of the site visit the well was discharging 0.33 cfs. The pump discharge can be varied with the current variable speed pump controller to produce between 0.31 and 0.36 cfs

E. Condition and Location:

1. The system is in good condition with the point of diversion located as follows:
1,070' N and 2,004' W of the SE corner Section 26 T2N R6E (44.09953, -103.36027)
2. The works are capable of diverting and conveying to the place of use 0.36 cu. ft. per second (160 gpm) of water which is to be used for suburban housing and the license should be issued for 0.36 cfs.***
3. All structures, wells and lands on map - Yes

F. Comments or other permit(s) associated with the project: The Homeowners Association also holds Water Right No. 1705-2 authorizing 0.27 cfs from two wells located in the NW ¼ SE ¼ Section 26 (Well #1) and the NE ¼ NE ¼ Section 35 (Well # 2) all in T2N R6E. **Well #1 produces a maximum of 0.20 cfs and is located 2,074' N and 2,604' W of SE corner of Section 26 T2N R6E.** Well #2 has been abandoned.



Steven Quissell
Water Rights Inspector
DENR Water Rights Program

Date Report Completed: 01/07/2016



Well and pump house

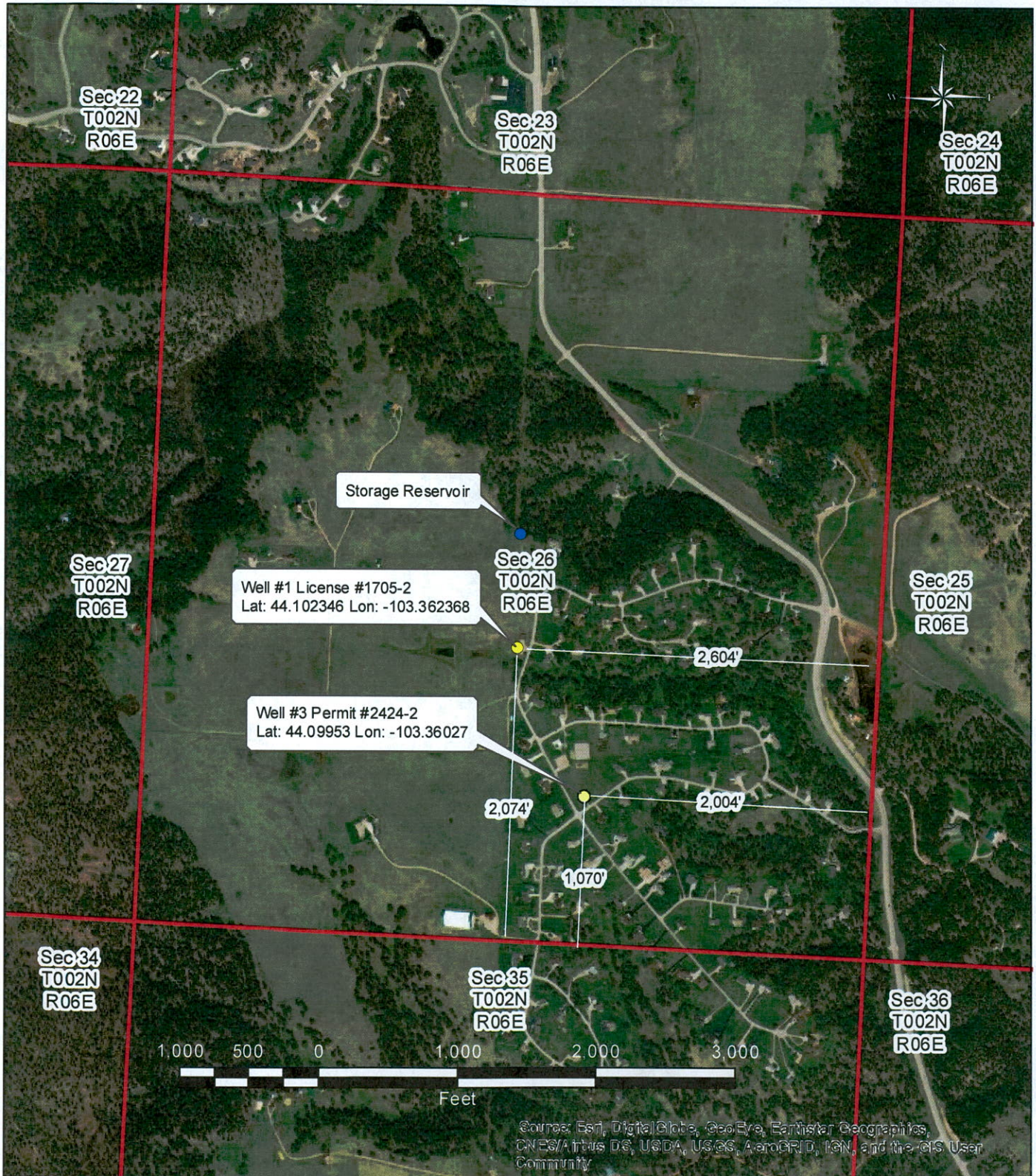
Water License No. 2424-2 will incorporate 1705-2. The water license will be issued for 0.56 cfs from two wells located in the SE ¼ Section 26, T2N, R6E.

The following priority dates will be retained:

- February 29, 1980 for 0.27 cfs
- May 27, 1999 for 0.29 cfs

Genny

Water Right #2424-2
South Canyon Country Estates
1/06/2016



Steven Quissell

Steven Quissell
Water Rights Inspector
DENR Water Rights Program



2424-2



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

DEC 20 2018

1705-2
2424-2

Michael Riker
South Canyon Country Estates
8545 Kings Court
Rapid City SD 57702

Dear Mr. Riker:

Enclosed is Water License No. 2424-2. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, 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,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

NOTE: Upon licensing, the applicable portions of Water Right No. 1705-2 were incorporated into Water License No. 2424-2.

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2424-2

(1) South Canyon Country Estates Homeowners Association, 8545 Kings Court, Rapid City SD 57702 made Application No. 2424-2, May 27, 1999 for a water permit to divert 0.29 cubic feet of water per second (cfs) from ground water, one well (Deadwood Formation), Pennington County, South Dakota for suburban housing development purposes. Permit No. 2424-2, with a priority date of May 27, 1999 was approved July 12, 1999 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 12, 2004 and for the application to beneficial use of said water on or before July 12, 2008.

Water Permit No. 2424-2 authorized an additional well and diversion authority to the water use system described in Water Right No. 1705-2. No. 1705-2 authorized 0.27 cfs (120 gallons per minute) from two wells located in the NW ¼ NW ¼ Section 35 and NW ¼ SE ¼ Section 26, all in T2N, R6E. An investigation of the entire water use system found the well in Section 35 had been abandoned.

The applicable portions of Water Right No. 1705-2, specifically the well located in Section 26 and the entire diversion authority of 0.27 cfs, are incorporated into Water License No. 2424-2.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the water supply system and the application of water to beneficial use and is entitled to divert 0.56 cubic feet of water per second for beneficial use. The location of the diversion points are:

Well from 1705-2: 2,074'N and 2,604'W of the SE corner of Section 26, T2N, R6E (NW ¼ SE ¼)
Latitude 44.102346, Longitude -103.62368

Well from 2424-2: 1,070'N and 2,004'W of the SE corner of Section 26, T2N, R6E (SW ¼ SE ¼)
Latitude 44.09953, Longitude -103.36027

(3) Pursuant to South Dakota Water Law 46-5-30.1 South Canyon Country Estates Homeowners Association, 8545 Kings Court, Rapid City SD 57702 the holder and/or owner of Incorporated Water Right No. 2424-2 is issued a license to appropriate water, the right to use 0.56 cubic feet of water per second from ground water (two wells), Deadwood Formation with priority dates of February 29, 1980 (0.27 cfs) and May 27, 1999 (0.29 cfs) from the locations specified in (2) of this license for suburban housing development purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Incorporated Water Right No. 2424-2 and subject to the following qualification:

- The wells 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.



Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

DEC 20 2018

date

