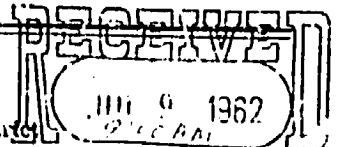


661-1

1. Considered 9-19, 19620
2. Name of Applicant BOULDER CANYON CWP, INC
3. Post Office Address STURGIS
4. Amount of water claimed .22
5. Source of water supply Artesian Ground Water
6. Water to be used for Shed house and watering grounds  
Acres to be irrigated 5
7. Water to be diverted and used in Lawrence County Green  
4 miles W of Sturgis
8. Proof of Publication Received ✓  
Not Received \_\_\_\_\_
9. Application Approved \_\_\_\_\_  
Subject to \_\_\_\_\_  
Not Approved \_\_\_\_\_  
Action deferred \_\_\_\_\_
10. Remarks:

No. 661-1Water Division No. 1 Battle Foregate River District  
(Blanks to be filled by the Engineer for the W. R. C.)STATE WATER RESOURCES COMM.  
PIERRE, SOUTH DAKOTA**APPLICATION FOR PERMIT****To appropriate Water within the State of South Dakota**

(NOTE—Draw a line through items not applicable.)

1. Name of applicant BOULDER CANYON CLUB, INC.  
Postoffice address Box 229, Sindre, S.D., County Meade, State S.D.

**I. If a corporation**

(a) Name of same BOULDER CANYON CLUB, INC.  
(b) Date and place of incorporation May 1947, South Dakota  
(c) Amount of capital stock \$50,000.00  
(d) Amount paid in \$12,460.00  
(e) Names and addresses of directors L. C. Donaldson, B. W. Wondle,  
Lynn Milne, A. M. Stafford, Roanoke Gruickshank, Eric  
Ellefson

(NOTE—A certified copy of articles of incorporation must accompany the application.)

**II. Method of accomplishing the work and financial resources of the applicant:**

(a) Method of accomplishing work (Whether by contract, employment of others, or direct labor)

Contract(b) Cash on hand, \$ 2250.00(c) Treasury stock, \$ 12,550.00

(d) Bonds to be issued, \$ \_\_\_\_\_

(e) Other resources, \$ 50,000.002. Name of diversion work BOULDER CANYON CLUB WEIR3. Amount of water claimed 100 gallons cubic feet per second min.4. Source of water supply Minnehaha Sands5. Location of point of diversion N 54° 30' W 1125' from the E 1/4 corner  
Section 14, T 4 N R 4 E on bank LAWRENCE County.6. Annual period or periods during which water is to be used May to October

## 7. To be used for:

Domestic &amp;

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? sprinkling(a) Number of acres to be irrigated 29.6 (as amended) acres.SW 1/4 NW 1/4 Sec 13 &(b) Legal subdivisions to be irrigated Grass and fairway on E 1/4 Sec. 14-50-4E/DHM  
(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)(c) Statement as to domestic use (giving location, etc.) Water for Golf Club House  
located on SW 1/4 NW 1/4 Sec. 13-50-4E, DHM.**II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:**(a) Nature of use Sprinkling on golf course on above land for public  
Name any of the above uses claimed recreation(b) Amount of power to be generated 2209 horse power.Amount claimed for engine cooling none

(c) Location of plant \_\_\_\_\_

(d) Method of developing power \_\_\_\_\_

(e) Point where water will be returned to stream \_\_\_\_\_

MAP D-556-1

## 8. Estimated cost of work:

(a) Head Gates, \$-----

(b) Pumping plant, \$1,900.00

(c) Fluming, \$-----

(d) Canal-earth, \$-----

Rock, \$-----

(e) Other structures Wall-----

\$ 3000.00

Total, \$-----

## 9. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

## II. Dimensions of works.

(a) Dam: Height-----feet; length at bottom-----feet; length at top-----feet; thickness at bottom-----feet; thickness at top-----feet; slope at front water face-----; slope at back face-----material used in construction-----

(b) Reservoir: Capacity when filled-----acre feet. Surface area at highwater mark-----acres.

| DEPTH AT<br>OUTLET-Feet | SURFACE AREA AT EACH<br>DEPTH AT OUTLET--ACRES | VEET | ACRE-Feet<br>CAPACITY |
|-------------------------|------------------------------------------------|------|-----------------------|
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |

(c)\* Head gate: Width-----feet; height-----feet;  
Material-----

(d) Canal: Total length-----miles.

| LOCATION BELOW<br>HEADGATE | DEPTH     | BOTTOM<br>WIDTH | WIDTH AT<br>WATER-LINE | GRADE<br>PER MILE |
|----------------------------|-----------|-----------------|------------------------|-------------------|
| At-----Mile                | -----feet | -----feet       | -----feet              | -----feet         |
| At-----Mile                | -----feet | -----feet       | -----feet              | -----feet         |
| At-----Mile                | -----feet | -----feet       | -----feet              | -----feet         |
| At-----Mile                | -----feet | -----feet       | -----feet              | -----feet         |
| At-----Mile                | -----feet | -----feet       | -----feet              | -----feet         |
| At-----Mile                | -----feet | -----feet       | -----feet              | -----feet         |

(Give dimensions where reductions in size are made.)

10. Time required for completion of work-----<sup>3</sup>-----years.11. Time required for complete application of water to the proposed beneficial use-----<sup>3</sup>-----years.

12. Choice of newspaper for publication of notice of intention to appropriate-----

STURGIS TRIBUNE STURGIS

STATE OF SOUTH DAKOTA

County of Beade

ss.

I, Lynn Wilson, being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed [Signature]Subscribed and sworn to before me this 6th day of July, 1922

[Signature]  
Notary Public (or other qualified officer)  
Clerk of Courts

\*Each diversion must have a headgate or measuring device.

Form 2A — Wells (Supplement to Form 2)

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 7 1/8, Depth 400<sup>125</sup>  
 Type of casing 19# B.H. to 300'  
 (wood, concrete, steel, etc.)  
 Size of casing 4" I.D., Thickness of casing 5/16  
 Length of casing 300' If collection gallery, length, size and depth of  
 gallery

(b) Screens

Type of perforated screen 11.75"  
 Size of perforated screen 11.75" (diameter), (length)  
 Thickness of gravel pack 11.75", length of gravel pack

(c) Water Bearing Materials

Distance to water 200', Character of water bearing materials  
Manganese sandstone, casing set to top  
of sandstone, screen grouted from bottom up  
6" open hole 100' into Manganese sandstone  
 Thickness of water bearing material 100' penetrated

(d) Pump and Motor

Type of pump Submersible  
 (centrifugal propeller, mixed flow, etc.)  
 Name of pump, size 100 gal  
 Kind of motor Electric  
 (gasoline, electric, diesel, etc.)  
 Horsepower 15, Name of Motor

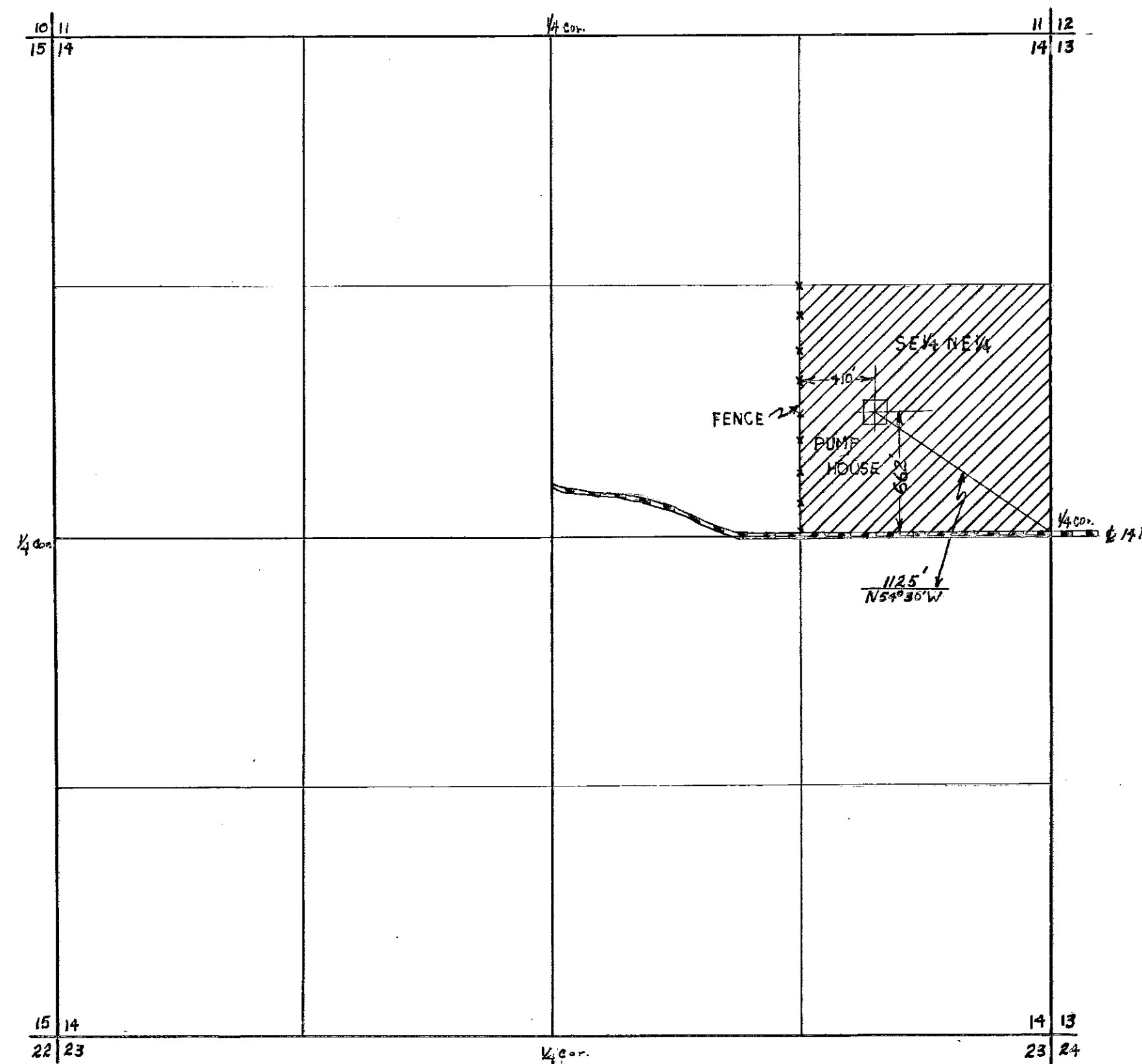
(e) Complete well

Capacity 100 gals at drawdown of 100', Estimated cost 5000.00

(f) Owner of land upon which well is located Boulder Canyon Club  
 Name  
Box 379 Sturgis S.D.  
 Address

(g) Distance to nearest existing wells

On same owner's property 2 1/2 rods. On property owned by others 1 1/2 rods



SCALE: 8"=1 MILE

- ☒ PROPOSED LANDS TO BE IRRIGATED
- ☐ PUMP HOUSE OVER WELL DRILLED TO IRRIGATE A 9 HOLE GOLF COURSE
- ☒ FENCE

BOULDER CANYON CLUB

| Location of Lands to be Irrigated |               |      |           |       |
|-----------------------------------|---------------|------|-----------|-------|
| Area                              | Location      | Sec. | Twp Range | Acres |
| 1                                 | SE 1/4 NE 1/4 | 14   | 5N 4E     | 40.0  |
| Total                             |               |      |           | 40.0  |

BOULDER CANYON GOLF COURSE IRRIGATION PROJ. #1

ALL LANDS DESCRIBED HEREIN ARE OWNED BY BOULDER CANYON CLUB

SURVEYOR'S CERTIFICATE

STATE OF SOUTH DAKOTA) ss  
COUNTY OF LAWRENCE

I, Meric D. Giger, Registered Land Surveyor, do hereby certify that this map was made from field notes and aerial photographs of the area, and that to the best of my knowledge, it correctly represents the lands involved and the locations indicated.

IN WITNESS WHEREOF I hereunto set my hand and official seal on this 20th day of June, 1962.

*Meric D. Giger*  
Registered Land Surveyor # 1007

STATE OF SOUTH DAKOTA) ss  
COUNTY OF LAWRENCE

On this 20th day of June, 1962, before me, James B. Kinney, the undersigned officer, personally appeared Meric D. Giger, known to me to be the person whose name is subscribed to the above written instrument, and acknowledged that he executed the same for the purpose therein contained.

IN WITNESS WHEREOF I have hereunto set my hand and official seal.

My commission expires 12/7/68.

*James B. Kinney*  
Notary Public

Remarks by State Water Resources Commission:

----- This well is located near domestic wells which may obtain water from the same aquifer. If the well covered by this permit to appropriate water depletes the domestic water supply, restrictions, to the extent necessary, of the capacity of this well or periods of operation or other arrangements may be required to protect the domestic water supply.  
-----  
-----  
-----

STATE OF SOUTH DAKOTA  
County of HUGHES } ss.

Pierre, South Dakota, FEBRUARY 11, 1963

This is to certify that the foregoing application was received by the Commission at 9:00 o'clock  
am, upon the 9<sup>TH</sup> day of JULY, 1962

State Water Resources Commission

By:

Dwight J. Jones  
Chief Engineer, Executive Officer

Number of permit 661-1

Date of first receipt of application JULY 9, 1962

Date of return to applicant for correction, amendments or changes required as follows: \_\_\_\_\_, 19\_\_\_\_

Date of receipt of corrected application \_\_\_\_\_, 19\_\_\_\_

Date from which applicant may claim right JULY 9, 1962

Approved JANUARY 15, 1963, Recorded in Book 8 Page 45

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before \_\_\_\_\_

JULY 15, 1964

2nd. The whole of said work is to be completed on or before JANUARY 15, 1966

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is  
JANUARY 15, 1966 extended 9/15/67 NDS

4th. The water appropriated shall be used for the purpose of IRRIGATION & WATER FOR CLUBHOUSE OPERATION

5th. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

6th. The amount of the appropriation herein granted shall not exceed .22 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually

and beneficially applied for irrigation on or before JANUARY 15, 1966; said water to be used during the following described annual period:

MAY TO OCTOBER

Witness my hand this 11<sup>TH</sup> day of FEBRUARY, 1963

State Water Resources Commission

By:

Jeff Brainerd  
Chief Engineer, Executive Officer

Certificate of Construction Issued JUNE 25, 1971

Water License Issued JUNE 25, 1971

## STATE OF SOUTH DAKOTA

## WATER LICENSE No. 661-1

(1) WHEREAS, On the 9th day of July A. D. 19 62  
Boulder Canyon Country Club

made Water Right Application No. 661-1 for a permit to use .22 cubic feet per second of the waters of artesian ground water

County of Lawrence, State of South Dakota, for irrigation and clubhouse operation purposes; and

(2) WHEREAS, On the 11th day of February A. D. 19 63  
 Permit No. 661-1, with a date of priority of July 9, 1962

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 15th day of January A. D. 19 66 and for the application to beneficial use of said water on or before the 15th day of January A. D. 19 72

and:

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

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

**for irrigating the following land in T5N, R4E**

|                   |                                                              | <u>Acres</u>      |
|-------------------|--------------------------------------------------------------|-------------------|
| <u>Section 13</u> | <u>SW<math>\frac{1}{4}</math> NW<math>\frac{1}{4}</math></u> | <u>10.5</u>       |
| <u>Section 14</u> | <u>SE<math>\frac{1}{4}</math> NE<math>\frac{1}{4}</math></u> | <u>15.5</u>       |
|                   | <u>NE<math>\frac{1}{4}</math> SE<math>\frac{1}{4}</math></u> | <u>3.6</u>        |
|                   | <u>Total</u>                                                 | <u>29.6 acres</u> |

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Boulder Canyon Country Club

\_\_\_\_\_ of Sturgis, South Dakota

the holder \_\_\_\_\_ and owner \_\_\_\_\_ of said permit No. 661-1 a water right, dating from July 9, 1962

\_\_\_\_\_ to use of .22 cubic feet per second of the waters

of artesian ground water

in the County of Lawrence and State of South Dakota, or so much thereof as may be necessary for the

purposes hereinbelow mentioned, to be diverted at a point North 54° 30' West, 1125 feet from

the El Corner, Section 14, T5N, R4E

and conduct to and upon portions of Sections 13 and 14, T5N, R4E, described on the  
face of this License

for the purpose of irrigation and clubhouse operation

Subject to any limitations listed in Water Right Permit No. 661-1 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota  
this 25th day of June A. D.  
Nineteen Hundred and Seventy-one

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer, J.W. GRIMES

Form 15.

Permit No. 661-1

Water Diversion No. 1 ~~BELL-FOURCHIE RIVER~~ Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Boulder Canyon Country Club

\_\_\_\_\_ the holder \_\_\_\_\_ of  
Permit No. 661-1, issued upon Application No. 661-1, bearing date of priority of July 9,  
1962 authorizing the diversion of .22 cu. ft. per second of the waters of \_\_\_\_\_  
~~artesian ground water~~ County of Lawrence, State of South Dakota at \_\_\_\_\_  
a point South 54° 30' West, 1125 feet from the E $\frac{1}{2}$  Corner, Section 14,  
T5N, R4E  
\_\_\_\_\_, for irrigation and clubhouse operation

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

Date June 25, 1971

WATER RESOURCES COMMISSION

By:

J.W. GRIMES, Executive Officer

(First Publication) August 23, 1962**APPROPRIATION OF WATER**

Office of State Water Resources Commission,

Pierre, S. Dak., July 31, 1962

Notice is hereby given that the Boulder Canyon Club, Inc. whose postoffice address is Sturgis S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use .22 cubic feet of water per second of time from the artesian ground water through the Boulder Canyon Club Well, the point of diversion of which is to be located on the bank of said stream in the SE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$  of Section 11, Twp. 5N Range 4E Said water to be used for the purpose of providing irrigation on the following described land:

SE  $\frac{1}{4}$  NE  $\frac{1}{4}$ , Section 11, T 5N, R 4Eand for operation of the clubhouse OWNER

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 15th day of September, 1962, at 2 P.M. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

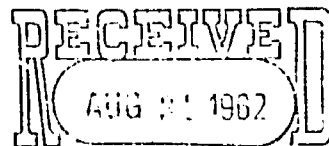
cc: Morris G. Hallock - Publisher  
Sturgis Tribune  
Sturgis, S.D.

State Water Resources Commission

By:

Chief Engineer, Executive Officer  
BURTON F. JONES  
Water Right Specialist

## PROOF OF PUBLICATION

STATE WATER RESOURCES COMAL.  
PIERRE, SOUTH DAKOTASTATE OF SOUTH DAKOTA }  
County Meade } ss.Morris G. Hallock being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the \_\_\_\_\_Sturgis Tribune 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 \_\_\_\_\_ Sturgis County of \_\_\_\_\_ Meade and State of South Dakota;

that the said notice was published in said newspaper on the following dates:

August 8, 1962August 15, 1962August 22, 1962August 29, 1962in each and every issue of the full number thereof, the first publication being made on the 8 day of August 1962 and the last publication on the 29 day of August 1962, upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he was \_\_\_\_\_ the printer and publisher of the said newspaper.Morris G. Hallock  
Morris C. HallockSubscribed and sworn to before me this 30 day of August A. D. 1962Bob Lee  
Bob LeeNotary Public Meade County, S. D.My Commission Expires  
April 12, 1968

APPROPRIATION OF WATER  
Office of State Water  
Resources Commission  
Pierre, S. Dak.  
July 31, 1962

Notice is hereby given that the Boulder Canyon Club, Inc. whose postoffice address is Sturgis, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use .22 cubic feet of water per second of time from Artesian ground water through the Boulder Canyon Club Well, the point of diversion of which is to be located in the SE¼ of the NE¼ of Section 14 Twp. 5N, Range 4E. Said water to be used for the purpose of providing irrigation on the following described land: SE¼ NE¼, Section 14, T 5N, R 4E and for operation of the Club-house.

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 19th day of September, 1962, at 2 P.M. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission  
By: BURTON F. JONES  
Water Right Specialist  
T AS-15-22-2

TO THE SOUTH DAKOTA STATE WATER COMMISSION, PIERRE, S. DAK.  
THE UNDERSIGNED RESIDENTS OF BOULDER CANYON AREA IN BOULDER CANYON  
RESPECTFULLY ASK THAT A CLAUSE BE INSERTED IN THE PERMIT FOR ADDITIONAL  
WATER RIGHTS TO THE STURGIS COUNTRY CLUB, A GOLF COURSE ADJACENT TO AND  
LESS THAN ONE HALF MILE FROM APPROXIMATELY FORTY HOMES ALL DEPENDENT ON  
WATER FROM WELLS. WE ASK THAT THE CLAUSE EMBODY THE FOLLOWING CONDITION;

THAT THE STURGIS COUNTRY CLUB WILL, WHILE PUMPING ANY ADDITIONAL  
VOLUME OF WATER MORE THAN THAT NOW ALLOWED, BE RESPONSIBLE FOR THE DRYING  
OR EXCESSIVE LOWERING OF ANY WELLS IN THIS AREA AND THE COST OF ANY  
EQUIPMENT (PUMPS) DAMAGED BECAUSE OF THE DRYING OR EXCESSIVE LOWERING OF  
THE WATER LEVEL IN SAME WELLS.

| NAME                     | DATE       | ADDRESS                                          |
|--------------------------|------------|--------------------------------------------------|
| Mrs. Paul Meyer          | Sept 16    | Boulder Canyon Rt. Sturgis S.D.                  |
| James J. Jacobs          | Sept 16    | Boulder Canyon Sturgis S.D.                      |
| Mildred Conner           | Sept 16-62 | Boulder Canyon Sturgis S.D.                      |
| De Loss Bruck            | 9-16-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Eleanor McDunnell        | 9-16-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs Harold Oliver   | 9-16-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs Fred Blum       | 9-17-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs J. Holland      | 9-17-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs Sam Smith       | 9-17-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs Clifford Hudson | 9-17-62    | Boulder Canyon Rt. Sturgis S.D.                  |
| John F. McChannon        | 9-17-62    | Boulder Canyon S.D.                              |
| Paul E. Nordstrom        | 9-17-62    | Property owner Boulder Canyon (Box 154. H. Wade) |
| Sandra M. Wildfinger     | 9-17-62    | Property owner Boulder Canyon. Sturgis           |
| Mr & Mrs Kenneth         | 9/17/62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs Orman Hilley    | 9/17/62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mrs & Mrs Joe Herman     | 9/17/62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs W.C. Miller     | 9/17/62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mrs. Art Prentner        | 9/17/62    | Boulder Canyon Rt. Sturgis S.D.                  |
| Mr & Mrs Ben Bausch      | 9/17/62    | Boulder Canyon Rt. Sturgis S.D.                  |

## AGREEMENT

THE SOUTH DAKOTA STATE WATER RESOURCES COMMISSION, herein designated as the 'Commission', and the BOULDER CANYON CLUB, INC., a South Dakota Corporation, herein designated as the "Club", agree on this 15th day of January, 1963, as follows:

### WITNESSETH:

WHEREAS, the Commission desires to drill and develop a water well for the purposes of acquiring data pertaining to fluctuation of the Artesian water table of the Minnelusa Formation and the degree to which with-drawals of the water from the Minnelusa Formation affect Artesian pressure, and

WHEREAS, the Club owns property which is desirable for drilling the aforementioned well and obtaining the sought-after data,

NOW, THEREFORE, in consideration of the mutual covenants herein set forth, the Commission and Club mutually agree as follows:

### I.

The Commission agrees:

- (a) To drill, develop and locate upon the Club's property the aforementioned observation well.
- (b) To furnish measuring devices to be used in measuring pumping rates and depths to the water table.

### II.

The Club agrees:

- (a) To permit the Commission to drill and locate the aforementioned well upon the Club's property at a point agreed to by and between the Club and Commission.

- (b) To grant a temporary Access Easement to the Commission upon and over the Club's property for the purpose of obtaining access to the drilling location, said Easement to be determined by mutual agreement of the Commission and Club.
- (c) To furnish personnel to take and record measurements of the well pumping amounts and depths to the water table in said observation well; said readings and measurements shall be taken daily and only during the normal golf season.

IN WITNESS WHEREOF the parties hereunto set their hands to this Agreement the day and year first above written.

THE SOUTH DAKOTA STATE WATER  
RESOURCES COMMISSION

BY: Gill Ginner

BOULDER CANYON CLUB, INC.

BY: W. A. McCallister  
President

STATE OF SOUTH DAKOTA    §  
                                  : SS  
COUNTY    OF    HUGHES    §

On this the \_\_\_\_\_ day of January, 1963, before me, the undersigned officer, personally appeared \_\_\_\_\_ who acknowledged himself to be the \_\_\_\_\_ of the Commission, and that he, as such \_\_\_\_\_ being authorized so to do, executed the within and foregoing instrument for the purposes therein contained, by signing the name of the South Dakota State Water Resources Commission by himself as \_\_\_\_\_

In Witness Whereof, I hereunto set my hand and official seal.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
(Title of Officer)

STATE OF SOUTH DAKOTA    §  
                                  : SS  
COUNTY    OF    MEADE    §

On this the 15<sup>th</sup> day of January, 1963, before me, the undersigned officer, personally appeared \_\_\_\_\_ who acknowledged himself to be the \_\_\_\_\_ of the Boulder Canyon Club, Inc., a corporation, and that he, as such \_\_\_\_\_ being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing \_\_\_\_\_

the name of the corporation by himself as President

In Witness Whereof, I hereunto set my hand and official seal.

My Commission Expires:

Jan 12 1966

John H. H. H.  
Notary Public  
(Title of Officer)

Water Right Application No. 661-1  
Of Boulder Canyon Club, Inc.

On September 19, 1962, a public hearing was held by the State Water Resources Commission to consider the application of the Boulder Canyon Club to pump 100 gpm of water from the Minnelusa formation to irrigate greens and fairways and provide water for a clubhouse. As amended, the application calls for irrigation of 29.6 acres.

At the September hearing, a petition signed by 19 residents of the area near the golf course, was read. This petition asked that any permit issued to the Boulder Canyon Club, Inc., provide that the applicant should be responsible for drying up or excessive lowering of the water levels in nearby wells and further that the applicant should be responsible for the cost of any damages to equipment due to the lowering of the water levels in the nearby wells.

The Commission deferred action on the application until after its staff could check the area.

After deferment of this application, the Boulder Canyon Club engaged Doctor John Paul Gries to report on his findings in the area. Following is a copy of Dr. Gries' report:

"I have summarized below my observations on groundwater conditions in Boulder Park, based upon the field data we collected on November 6th, and upon well logs and water records in the files of the Department of Geological Engineering at the School of Mines and Technology.

Water supplies are withdrawn from five general zones, listed from the top down:

- a. water in the alluvium, tapped by dug wells only
- b. water in the bottom of the Spearfish redbeds, usually just above the Minnekahta limestone.
- c. water from crevices within the Minnekahta limestone
- d. water from crevices, broken zones and solution openings within the Opeche redbeds. This is the most commonly used source.
- e. water from the sandstones of the Minnelusa formation.

Most of the drilled wells in the area range between 75 and 135 feet in depth. They draw water from sources b, c and d above. The water enters these formations nearby, and moves rapidly through them. It is to be expected that the water level in these wells will reflect seasonal and annual variations in rainfall.

I have found only four wells, within a 3/4th mile radius of the Country Club well which penetrate the Minnelusa sand-

stone. These are the Country Club well itself, the well at the Big Bear Drive-In, the old Willey well at the Trailer Court, and the uncompleted well at the Nordstrom-Stokes property. These range from 235 to 560 feet deep, and penetrate from 51 to 351 feet of the Minnelusa formation.

Static level in the three functional wells lies between 3655 and 3685 feet elevation. It has apparently remained nearly stable since the first of the three was drilled roughly 20 years ago. Movement of water through the sandstone is probably so slow that seasonal and even annual fluctuations are pretty well ironed out. This level is far below the static level in any of the nearby wells in the 100-foot category. This offers confirming proof that there is no natural connection between the Minnelusa sandstone and the upper aquifers.

It is to be noted that the uncompleted well on the Nordstrom and Stokes property has a surface elevation of 4030 feet, and a reported depth of 235 feet. The bottom of the well, then lies at elevation 3795 feet, or a minimum of 110 feet above the static water level in the Minnelusa formation. The water which is reported to have originally stood about 100 feet below the surface was obviously water from a higher source. Either the source has dried up, or the water has found a way to seep down into the upper dry part of the Minnelusa sandstone above elevation 3685 feet. This could be turned into a productive Minnelusa well by deepening it an additional 150 to 200 feet.

The low static level in each of the three functional Minnelusa wells not only shows that the Minnelusa water is not in communication with the upper waters, but also proves that the upper waters are effectively sealed out of these three wells. In the case of the Country Club well, 303' 8" of 8-inch casing was set and cemented into the cap rock at the top of the Minnelusa formation. Even protracted pumping of any of these three wells can in no way affect the many local wells which draw only from the upper aquifers.

The Minnelusa formation in this area is 490 feet thick. The upper 180 feet is almost all sandstone; an additional 100 feet of sand occurs as beds 5 to 35 feet thick in the lower 300 feet of the formation. This is a tremendous reservoir, and I cannot believe that the seasonal pumping at the Golf Course will seriously affect either of the other two wells which now depend upon the same source of supply.

In summary, I believe the fears of the surrounding prop-

erty owners are largely unfounded. For your own information and protection, I would suggest the static level in your well be measured once a year, in the non-pumping season, and that the record be filed with the Water Resources Commission at Pierre, and at the School of Mines."

The Commission staff while generally concurring with Dr. Gries' report, wishes to emphasize the artesian conditions of the Minnelusa formation at this area. The log of the Boulder Canyon Club well shows that the top of the Minnelusa formation is 303 feet below ground surface. When the water in the formation was encountered, it reportedly rose to within 200 feet of the ground surface, (the staff has some question as to the elevation of this water table). A number of cases have come to the attention of the Commission wherein pumping from artesian wells, by withdrawing the water from an elevation substantially below the static water level, has resulted in a drastic lowering of the water level in a considerable area surrounding the pumped well.

The well at the Big Bear Drive-in would be most liable to be affected by the pumping of the Boulder Canyon Club well. These two wells are about 700 feet apart. The Boulder Canyon Club pump is set 90 feet below the reported water level at the Club well and the setting of the Big Bear Drive-in pump is 49 feet below this level.

The staff also wishes to point out that the Boulder Canyon Club well, under consideration in this Application No. 661-1, was drilled and has been used since August of 1961. To date there is no indication that the water table at the Big Bear well has been lowered below the pump setting.

For the information of the Commission, following is a copy of a letter which has been written to the Boulder Canyon Club, Inc. and the resulting answer.

"As a result of their investigations of the Water Right Application No. 661-1 of the Boulder Canyon Club, Inc. the staff of the State Water Resources Commission is considering recommending to the Commission that an observation well be placed in the vicinity of the Boulder Canyon Club Golf Course as a means of recording, on a long time basis, the various fluctuations of the artesian water table of the Minnelusa Formation;

One advantage of this location is that the depth to the Minnelusa Formation is not excessive here and at the same time wells to the Minnelusa Formation do not result in flowing wells. Flowing wells make recording more difficult.

Another advantage is that the pumping of the Boulder Canyon

Club well could be recorded and correlated with the water table measurements of the observation well to obtain information as to the degree that withdrawals of water from the Minnelusa Formation affects the artesian pressures.

If the Boulder Canyon Club, Inc., will:

1. Permit drilling and placing of the state observation well on its property, in the general location agreed upon by you and me;
2. Agree to having its groundskeeper, or another employee take and record measurements of the Boulder Canyon Club well pumping amounts and also the depths to the water table in the State Observation Well;

the staff of the Water Resources Commission will recommend to the Commission:

1. That the Commission authorize construction of the observation well as discussed.
2. That the Commission authorize purchase of measuring devices to be used in measuring pumping rates of the Boulder Canyon Club, Inc. well and depths to the water table in the proposed State Observation well.

At this time I can not state exactly what would be involved in taking the measurements discussed above. We would expect the records to be taken by your employee only during the golfing season when he was on the grounds doing his other duties. During the first summer, I would expect that such record taking would not total over twenty minutes of each day. After the first summer I would expect a considerable reduction in the time needed to make such measurements.

Records of the depth to the water table in the observation well as proposed, would also indicate if any lowering of the water table had occurred to the extent that the water supply in other wells was being jeopardized.

If the staff of the Water Resources Commission knows that the observation well as proposed is to be constructed, the staff can recommend approval of Water Right No. 661-1 of the Boulder Canyon Club, Inc. with the "Domestic well interference clause" which reads:

"This well is located near domestic wells which may obtain water from the same aquifer. If the

well covered by this permit to Appropriate Water depletes the domestic water supply; restrictions, to the extent necessary, of the capacity of this well or periods of operation or other arrangements may be required to protect the domestic water supply." "

Reply:

"The Directors of our club have discussed the matter of an observation well being drilled at the golf course.

There appears to be no objection to such a well provided it is so situated so as not to interfere with play on the course or damage to any fairway, during the drilling thereof.

Our groundskeeper or other employee could take and record the measurements as required."

Boulder Canyon Club, Inc.

Permit No. 661-1Water Division 1 BELLE FOURCHE RIVER Water DistrictREPORT OF EXAMINATION OF WORKS  
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by BOULDER CANYON COUNTRY CLUB of STURGIS holderof Permit No. 661-1, bearing date of priority of JULY 9, 1962authorizing the diversion of .22 cu. ft. per second of the waters of GROUND WATER for IRRIGATION purposes, in LAWRENCE County.

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

The Water Use System consists of,

## A. Works used to divert the water:

400' DEEP WELL WITH 6" CASING  
3" SUBMERSIBLE PUMP 15 H.P. ELECTRIC

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

MAINLINE 6" TRANSITE 1000' - BURIED  
2700' OF 4" 3" AND 2" <sup>BURIED</sup> PLASTIC PIPE TO 82  
HYDRANTS AND POP-UP SPRINKLERS

## C. Works used to apply water to beneficial use.

42 POP-UP 8" RAINBIRD SPRINKLERS AT TEES & GREENS  
80 # 80BW RAINBIRD SPRINKLER HEADSThe system is in the following condition: GOODThe point of diversion is located N 54° 30' W, 1125 FEET FROM THE  
E 1/4 CORNER, SECTION 14, T5N, R4EThe works are capable of diverting and conveying to the place of use .22cu. ft. per second of water which is to be used for IRRIGATIONWater has been put to beneficial use to the maximum extent as follows: ALL IN T5N, R4E  
GREENS AND FAIRWAYS IN SW 1/4 NW 1/4 SECTION 13  
AND IN E 1/2 NE 1/4 SECTION 14comprising a total of APPROX. 30 acres of land.

ALSO USE 4" BERKELEY PUMP WITH 20 H.P. ELECTRIC  
MOTOR TO PUMP FROM POND NEAR CLUBHOUSE.  
POND FED BY SMALL CREEK.

Date JUNE 16, 1971[Signature]  
(Signature)WATER RIGHT SPECIALIST  
WATER RESOURCES COMMISSION

## NOTICE OF TRANSFER OF WATER PERMIT

July 17, 1967

TO: Office of State Water Resources Commission  
Pierre, South Dakota

This is to notify you that the Boulder Canyon Club, Inc.

their  
who previously owned the land described below has sold ~~its~~ interests to the Boulder Canyon Country  
Club of Sturgis, S.Dak.

together with any rights to the beneficial use of water thereon as evidenced by State Water Permit No. 661-1  
and as provided for in section 61.0111 of the SDC of 1939 and elsewhere Land irrigated is a portion of  
the E $\frac{1}{2}$  NE $\frac{1}{4}$ , Section 14 and a portion of the SW $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 13, both in T5N, R4E.

Total acreage is 29.6

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at  
the OFFICE OF WATER RESOURCES COMMISSION as evidence of the change of ownership.

A fee of one dollar is hereto attached to cover filing fees as required under Section 55 1806 of the SDC of 1939.

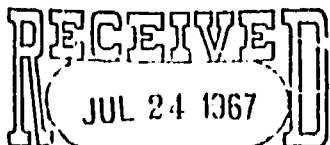
STATE OF SOUTH DAKOTA

County of Meade } ss.

I, A.M. Stafford, Pres. of Boulder Canyon Club, Inc. being first duly sworn on my  
oath depose and say: That my relation to the above described undertaking is that of Owner, that I have read the  
above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

Signed

Subscribed and sworn to before me this 20th day of July, 1967



STATE WATER RESOURCES COMM.  
PIERRE SOUTH DAKOTA

XXXXXXXXXX Meade County Judge.

PUTTING WATER TO BENEFICIAL USE  
APPLICATION FOR EXTENSION OF TIME FOR ~~PERMITTING WORKS~~

To the State Water Resources Commission  
Pierre, South Dakota

August 23, 1967  
(date)

Dear Sirs:

I hereby request that an extension of time from Completed  
to \_\_\_\_\_ be granted me for the completion of works to be done under Permit No. \_\_\_\_\_  
and that the time for proof of beneficial use of water be extended to January 15, 1972  
Said works are located in Meade County County and are described  
as follows:

Location of headworks: In the SE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$   
of Section 14 Township 5N Range 4E  
E., B.H.M.

The water is to be used for the purpose of Irrigation of greens and fairways  
of golf course

The extension of time for the completion of these works is requested for the following reasons: Arrange financing

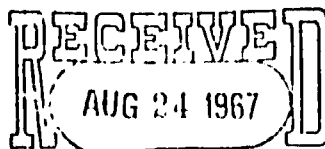
APPROVED: 9/21/67

State Water Resources Commission

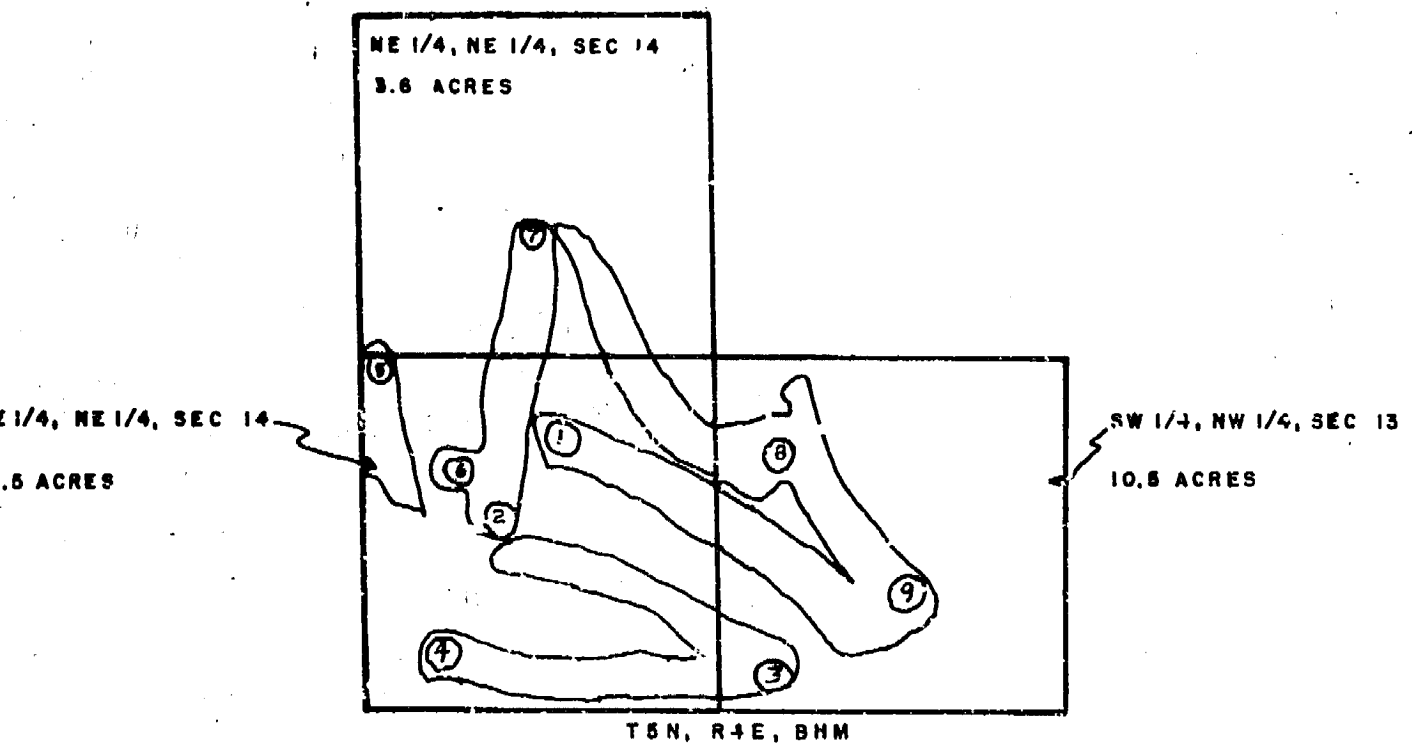
By: Richard Schroyer  
For Chief Engineer, Executive Officer

Holder of Permit No. 661-1

\$1.00 filing fee required



STATE WATER RESOURCES COMM.  
PIERRE, SOUTH DAKOTA



### WATER RIGHT APPLICATION 661-1

MAP SHOWING ACRES TO BE IRRIGATED AS AMENDED  
BY LETTER, DECEMBER 27, 1961

**OVERSIZE  
DOCUMENT IS  
SUPPLEMENTARY  
TO MICROFILM FILE**



# Department of Water & Natural Resources

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

661-1

January 29, 1988

BOULDER CANYON COUNTRY CLUB  
BOX 305  
STURGIS, SD 57785

## NOTICE

Re: Violation of Requirement To Submit 1987 Irrigation  
Questionnaire

Our records indicate that the 1987 Irrigation Questionnaire has not been submitted for Permit No(s). 661-1. The request for the Questionnaire was dated October 8, 1987. The Water Management Board has directed that owners of water permits who have not submitted 1987 Irrigation Questionnaires be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 9:00 am, March 2, 1988 in Room 216, Joe Foss Building, 523 E Capitol, Pierre SD.

The hearing will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26. Following the hearing(s), the Water Management Board can:

1. Amend Permit No(s). 661-1 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action;
3. Take no action.

The hearing(s) is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

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

NOTE: If the questionnaire(s) is received in this office before the March 2 hearing date, your name will be deleted from the agenda for the hearing.

**SOUTH DAKOTA**  
**Department of**  
**Water & Natural Resources**

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

February 9, 1988

661-1

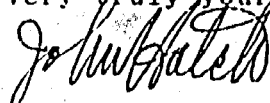
Randy Hallock  
Boulder Canyon Country Club  
Box 154  
Sturgis SD 57785

Dear Mr. Hallock:

I am writing to acknowledge receipt of your 1987 Irrigation Questionnaire(s). A notice was sent to you January 29, 1988 regarding the requirement to submit the Irrigation Questionnaire(s) for Water Permit No. 661-1 and the hearing date before the Water Management Board.

Since your questionnaire was received prior to the March 2, 1988 Water Management Board Meeting, your name has been deleted from the Board Meeting agenda. If you have any questions, please contact us.

Very truly yours,



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

661-1



BOULDER CANYON COUNTRY CLUB

BOULDER CANYON ROUTE

STURGIS, SOUTH DAKOTA 57785

February 10th, 1988



John Hatch, Chief Engineer  
Water Rights Division  
Joe Foss Building  
523 East Capitol  
Pierre, SD 57501

Dear Mr. Hatch:

Your letter of January 29th received in regard to the Irrigation Questionnaire.

I called the grounds keeper upon receipt of your letter. If he has not taken care of this will you please send me another questionnaire and we will see that this is taken care of.

I am sorry this happened, and will try to avoid this mistake in the future.

Yours very truly,

*Iona Belle Rick*

Iona Belle Rick, Secy- Treas.  
Boulder Canyon Country Club.

 **Department of  
Water & Natural Resources**

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

February 29, 1988

661-1

Iona Belle Rick, Sec-Treasurer  
Boulder Canyon Country Club  
Boulder Canyon Route  
Box 307  
Sturgis, SD 57785

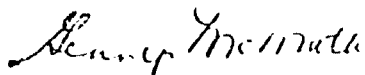
Dear Ms. Rick:

I am contacting you in response to your letter of February 10, 1988 regarding the 1987 irrigation questionnaire. The questionnaire has been received, however, I do have some questions concerning the data that was submitted.

Water Right No. 661-1, for the Country Club, authorizes irrigation of 29.6 acres. The 1987 irrigation questionnaire reflected a total of 60 acres of lawn irrigated. If this figure is accurate, a water permit will need to be obtained for the additional acreage being irrigated.

I have enclosed a set of application forms and an instruction sheet. If you have any questions or need assistance in completing the application, please contact us.

Sincerely,



GENNY MCMATH  
Natural Resources Analyst  
605 773-3352

enclosure

NAME OF PERSON OR FILE: Randy Hallack, Boulder Canyon Country Club

DATE: March 21, 1988 TELEPHONE

COMMENTS:

In response to the February 29, 1988 letter I sent to the Country Club regarding the additional acreage they were irrigating, Mr. Hallack called and stated they were irrigating the same acreage they had been for the last 20 years. He stated they somehow filled out the irrigation questionnaire improperly and put in 60 acres of land instead of the 29.6 they were actually irrigating.

I indicated to him that he could throw the application forms away since they would not be submitting an application for additional acreage.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Henry John Allen

**South Dakota**  
**Department of**  
**Water & Natural Resources**

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

February 8, 1989

IONA BELLE RICK, SEC-TREAS.  
BOULDER CANYON COUNTRY CLUB  
BOX 154  
STURGIS, SD 57785

**NOTICE**

**RE: Violation of Requirement to Submit 1988 Irrigation Questionnaire**

Our records indicate that the 1988 Irrigation Questionnaire has not been submitted for Permit No(s). 661-1. The request for the Questionnaire was dated October 26, 1988. The Water Management Board had directed that owners of water permits who have not submitted the 1988 Irrigation Questionnaire be given notice of hearing to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 9:45 am, March 1, 1989 at the Howard Johnson's, Roosevelt Room, I-90 at LaCrosse, Rapid City SD.

The hearing will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s). 661-1 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action;
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire is received in this office before the March 1st hearing date, your name will be deleted from the agenda for the hearings.

Very truly yours,

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



**South Dakota Department of  
Water & Natural Resources**

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

February 23, 1989

661-1

Randy Hallock  
Boulder Canyon Country Club  
Box 154  
Sturgis, SD 57785

Dear Mr. Hallock:

I am writing to acknowledge receipt of your 1988 irrigation questionnaire for Water Permit No. 661-1. You may disregard the February 8, 1989, Notice of failure to submit the 1988 irrigation questionnaire. With receipt of the questionnaire your name has been deleted from the March Water Management Board meeting agenda.

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

Very truly yours,



JOHN HATCH, Chief Engineer  
Water Rights Division



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
PMB 2020  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

APR 27 2011

661-1  
1510-1

Jerry Weber  
Boulder Canyon Country Club  
PO Box 305  
Sturgis SD 57785-0305

Dear Mr. Weber:

Enclosed is Water License No. 1510-1 for Boulder Canyon Country Club. This is the final water right document completing the process of obtaining a Water Right. Included with the license 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. 1510-1, 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.

The applicable portions of Water Right No. 661-1 were incorporated into Water License No. 1510-1. 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