

Considered: \_\_\_\_\_

WATER PERMIT NO. 1363-1

MAP No. same

Name of Applicant Spearfish Canyon Country Club

Post Office Address Box 607 Spearfish SD 57783

Amount of Water Claimed 1.14 6 acre-feet Total Acres 80.1

Source of Water Supply groundwater - Madison

Water to be used for irrigation County Lawrence

About 1 miles E of Spearfish.

PROOF OF PUBLICATION: Received \_\_\_\_\_ Not Received \_\_\_\_\_

APPLICATION: Approved \_\_\_\_\_ Subject to \_\_\_\_\_

F.F. & C.L. Adopted \_\_\_\_\_ Not Approved \_\_\_\_\_ Deferred \_\_\_\_\_

PRIORITY \_\_\_\_\_ Date Received June 20, 1986 Fee \$225.00 Remarks \_\_\_\_\_

Corrected Application Received \_\_\_\_\_ Period of Annual Use May 1 - Oct 31

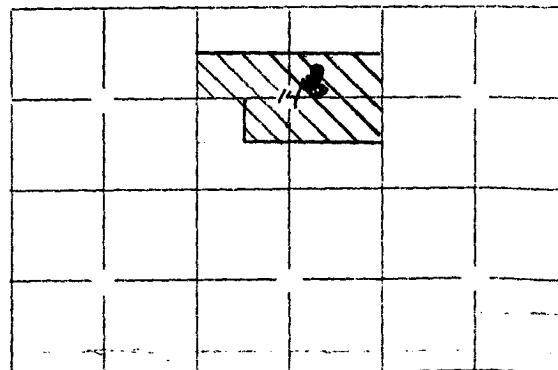
WATER QUALITY APPROVAL RECEIVED Sept. 15, 1986 APPROVED CONDITIONAL (Circle one)

WI-1 Description same as Application YES ☒ NO \_\_\_\_\_ REMARKS \_\_\_\_\_

Diversion Point well: SW $\frac{1}{4}$ NE $\frac{1}{4}$  section 14-

T6N-R2E storage reservoir: SW $\frac{1}{4}$ NE $\frac{1}{4}$   
section 14-T6N-R2E

Land to be Irrigated S $\frac{1}{2}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ ,  
N $\frac{1}{2}$ SE $\frac{1}{4}$  section 14-T6N-R2E



expected  
Well Log: Driller - Fred Brady Licensed YES ☒ NO \_\_\_\_\_  
P.E.

Depth of Well ± 770 ft REMARKS \_\_\_\_\_

Type of Map plat PREPARED BY Fred Brady Reviewed and the Number

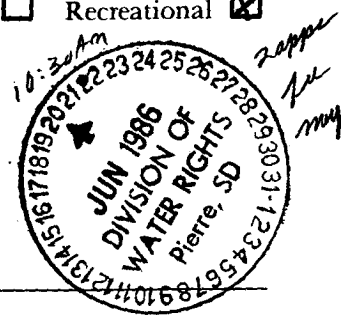
assigned on September 22, 1986 By Ron Durrall

No. 1363-1 Hydrologic Unit 10120203  
 Map No. same Basin Belle Fourche R.  
 Newspaper Queen City Mail/Spearfish Box 7  
 (used)

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

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

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐☐ Amend Permit No. \_\_\_\_\_ with old priority date retainedChange diversion point(s) ☐ Add diversion point(s) ☐ Other ☐ \_\_\_\_\_☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. \_\_\_\_\_☐ Construction to use water reserved by Future Use Permit No. \_\_\_\_\_1. Name of Applicant Spearfish Canyon Country Club Phone No. 642-7156Post Office Address Box 607 Spearfish, S.D. State 57783  
(Street, RR or Box) Zip Code2. Amount of water claimed (c.f.s.) 1.14 Acres Irrigated 80.1 acres3. Source of water supply Well & storage Res. (6 acre feet storage res)4. Location of point of diversion 900 feet East & 210 feet North of Center  
Section 14, T6N, R2E, B.H.M.County Lawrence5. Counties where water will be used Lawrence6. Annual period during which water is to be used May 1 Thru October 31

7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

9 Hole Golf course including fairways, greens, - T Boxes,  
roughs, nursery areas & Trees, shrubs & Shelter belts.  
See attachment map of golf course layout with limits  
of irrigation, acres irrigated & legal description (attach #)

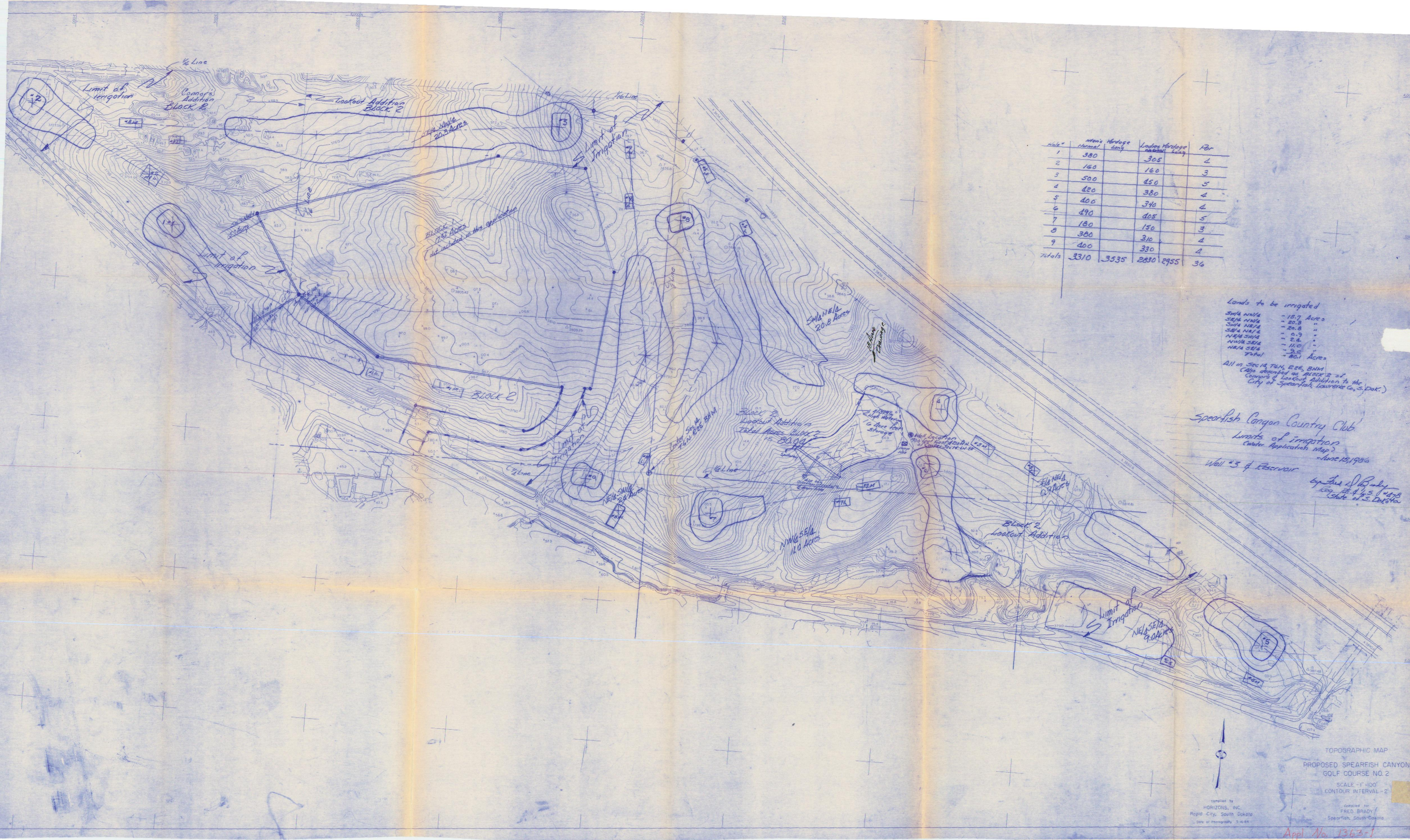
Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)  
County of Lawrence)<sup>ss</sup>

I, Barbara Loescher Spearfish Canyon Country Club - Trans the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed Barbara W. LoescherSubscribed and sworn to before me this 19th day of June 1986

Janet C. Betten  
 Notary Public (or other qualified officer)



| Lot #  | Men's Hodge Long | Women's Hodge Long | For |
|--------|------------------|--------------------|-----|
| 1      | 380              | 305                | 2   |
| 2      | 160              | 160                | 3   |
| 3      | 500              | 450                | 5   |
| 4      | 420              | 380                | 4   |
| 5      | 400              | 340                | 4   |
| 6      | 490              | 405                | 5   |
| 7      | 180              | 150                | 3   |
| 8      | 380              | 310                | 4   |
| 9      | 400              | 330                | 4   |
| Totals | 3310             | 2830               | 36  |

Lands to be irrigated  
SW 1/4 NW 1/4 - 15.7 Acres  
SE 1/4 NW 1/4 - 20.3 "  
SW 1/4 NE 1/4 - 20.3 "  
SE 1/4 NE 1/4 - 0.9 "  
NW 1/4 SW 1/4 - 2.6 "  
NE 1/4 SE 1/4 - 11.0 "  
Total - 80.1 Acres  
All in Sec 14, T6N, R2E, B1W  
Also described as Block 2 of  
Concord & Lookout Addition to the  
City of Spearfish, Lawrence Co., S. Dak.

Spearfish Canyon Country Club  
Limits of Irrigation  
(Water Application Map)  
June 15, 1936  
Well #3 & Reservoir  
by Fred A. Brady  
Reg. 115,415, 1st 1st  
State of S. Dakota

# WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1363-1

Spearfish Canyon Country Club (Applicant) Box 607, Spearfish (Post Office Address)

SD

57783

With the following qualifications.

1. The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and constructed in compliance with Water Management Board Well Construction Rules, Chapter 74:02:04.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit, shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
3. This permit is approved subject to the irrigation water use questionnaire being submitted each year.
4. Land covered under this Permit is also covered under Permits No. 728-1 and 1199-1. Combinations of diversion under the three permits shall not exceed the Statutory limit of 1 cfs for each 70 acres of land to be irrigated.

Date of first receipt of application June 20, 1986.

Date of return to applicant for correction, amendments or changes required \_\_\_\_\_, 19\_\_\_\_.

Soil/Water approval received

Date of receipt of corrected application Sept. 15, 1986. Approved December 10, 1986.

The Water Management Board hereby approves this Water Permit No. 1363-1 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is September 15, 1986.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before May 10, 1989.
3. The whole of said work is to be completed on or before December 10, 1991.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is December 10, 1995.
5. The water appropriated shall be used for the purpose of irrigation of a golf course
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 1.14 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for irrigation on or before December 10, 1995; said water to be used during the following described annual period: May 1 - October 31.

WATER MANAGEMENT BOARD

By: John Hatch

Chief Engineer

Division of Water Rights

Dept. of Water and Natural Resources

FEB 17 1987

## Supplemental Information

(type or print in ink)

## 1. Well Information - Proposed construction

- a) Drill Hole Diameter 10" Depth 870'
- b) Casing Type Steel Diameter 9" Thickness .390
- c) Screen Type Not A Diameter  Thickness
- d) Gravel Pack Thickness Not A Length of Gravel Pack
- e) Depth to Top of Water Bearing Material 770' (Madison)
- f) Depth of Water (ground surface to water level) 300'
- g) Distance to nearest existing domestic well:
- On applicants property 2000 feet On property owned by others 3/4 mile

## 2. Dugout Information Estimates

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

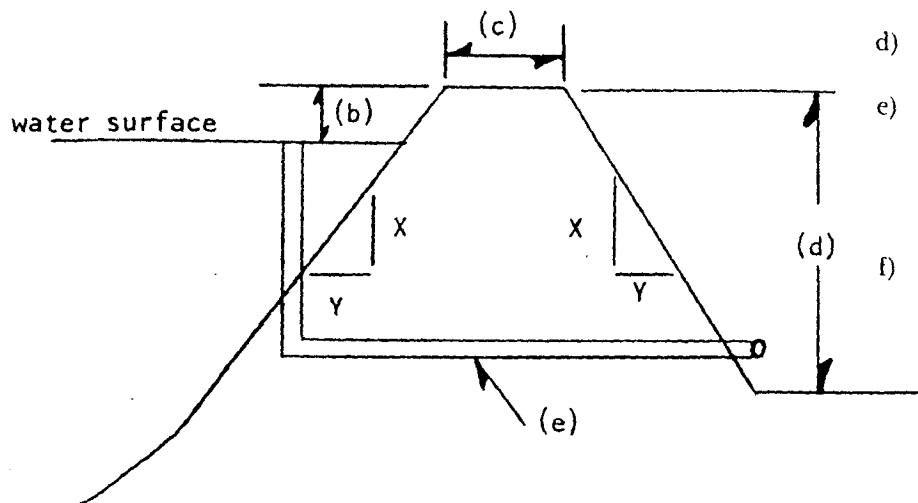
## 3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

Fred D. Brady  
Box 193A, R.R. 1  
Spearfish, SD. 57783

- b) Freeboard 4 feet
- c) Crest Width 12'  
 Crest Length 200 feet
- d) Height 13 feet (lower side)
- e) Outlet Dimensions:  
 Pipe diameter 6"  
 Spillway width 10 feet
- f) X & Y Slope  
 Upstream 3/1  
 Downstream 3/1

Surface Area of Impoundment 1 1/2 AcStorage 6 Acre feet acre feetDrainage area above dam 

Fred D. Brady for P. Canyon Country Club  
 Signature of Applicant

# RECEIPT

Division of Water Rights

410468

South Dakota Department of Water and Natural Resources

Pierre, June 20, 1986

RECEIVED OF Spearfish Canyon Country Club, Box 607, Spearfish, SD 57783

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

|                                                                                                                            |       |        |
|----------------------------------------------------------------------------------------------------------------------------|-------|--------|
| Fee for Application for Permit No. _____ to Appropriate Water, to construct works 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. _____                        |       |        |
| Fee for Filing Transfer Form _____                                                                                         |       |        |
| Fee for Filing Extension Request _____                                                                                     |       |        |
| Fee for Certified Copy of _____                                                                                            |       |        |
| Fee for Print Copy of Map _____                                                                                            |       |        |
| Fee for Certifying _____                                                                                                   |       |        |
| Fee for _____                                                                                                              |       |        |
| (Any Other Work Provided by Law)                                                                                           | Total | 225 00 |

By John Hatch  
Chief Engineer

JOHN HATCH/ms

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM

STATE CONSERVATION COMMISSION

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

Office Use Only

4183

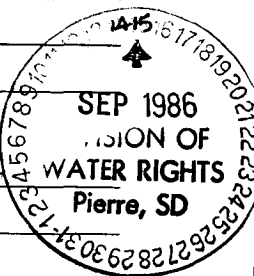
OWNERS NAME: Spearfish Canyon Country Club

OWNERS ADDRESS: Box 607, Spearfish, SD 57783

COUNTY LAND LOCATED IN: \_\_\_\_\_

PHONE: 642-7156

TENANT'S NAME AND ADDRESS: Spearfish Canyon Country Club, Box 607, Spearfish, SD 57783



In accordance with State Law SDCL 46-5-6.5, if a water permit is granted with a conditional Soil/Water Compatibility permit, A COPY OF SUCH CONDITIONAL SOIL/WATER COMPATIBILITY PERMIT MUST BE FILED WITH THE COUNTY REGISTER OF DEEDS. THIS ACTION MUST BE TAKEN BY THE HOLDER OF A WATER PERMIT WITHIN 6 MONTHS OF RECEIPT OF SUCH WATER PERMIT.

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres)

1. WELL LOCATION 900 ft East of 200 ft North of Center Sec 14, T6N, R26E, N1W

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: 2 Surface Acreage - 500 ft East of 1100 ft North of Center Sec 10, T6N, R26E, N1W

| Legal Description               | Acres | Legal Description | Acres |
|---------------------------------|-------|-------------------|-------|
| <u>See Soils map (enclosed)</u> |       |                   |       |
| <u>&amp; Copy of Legal Plat</u> |       |                   |       |
|                                 |       |                   |       |
|                                 |       |                   |       |
|                                 |       |                   |       |

3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED \_\_\_\_\_

LEGAL DESCRIPTION: None of these lands hold a previous permit

IN WHAT NAME: \_\_\_\_\_

4. LOCATION OF AREA TO BE IRRIGATED NOTE: See Encl SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)

5. TYPE OF IRRIGATION: GRAVITY: \_\_\_\_\_ TOWLINE: ☒ CENTER PIVOT: \_\_\_\_\_ GUN: \_\_\_\_\_ OTHER: underground (Specify) Sprinkler

6. CROPS TO BE IRRIGATED: Turf & Native grasses, Shatter belts, trees, shrubs & nursery stock

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 86-0487

8. SALINITY (EC X 10<sup>6</sup>): 650

9. SODIUM (SAR): 0.05

10. ADJUSTED (SAR): 0.11

I hereby certify that I personally obtained or that I personally observed that taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at 7 a.m./p.m., on August 19, 1986, at the following location: Sec 14, T6N, R26E, N1W (Spearfish Canyon) by (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

I understand that the Division of Conservation or agents thereof may obtain another water sample for the purpose of validating the water sample analysis taken at the time of application (SDCL 46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

19th DAY OF June, 19 86.  
JEANNE M. BULLARD  
Notary Public  
State of South Dakota

APPLICANT'S SIGNATURE

Director, Division of Conservation

IMPORTANT

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER RIGHT must be obtained from the Board of Water Management, Foss Building, Pierre.

☒ APPROVED

☐ DISAPPROVED

☐ CONDITIONALLY APPROVED

APPROVED WITH REQUIREMENTS

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
DIVISION OF CONSERVATION

NAME OF APPLICANT: Spearfish Canyon Country Club

415

LAND DESCRIPTION: Portions of SE 1/2 NW 1/4; SE 1/2 NE 1/4 NE 1/4 SW 1/4;  
E 1/2 SE 1/4 14-6-2 - 80.1 acres (Golf Course)

## SOIL REQUIREMENTS:

The areas greater than 9% slope shall not be irrigated. In my investigation of July 22, 1986, this should not present any problems, if the project is developed as discussed and presented.

RECOMMENDED REMARKS:

Perhaps the areas of major concern are those areas of a shallow rock outcrop which may present a short and long term management problem. We recommend that the overburden be increased for better management capabilities and grass establishment and maintenance.

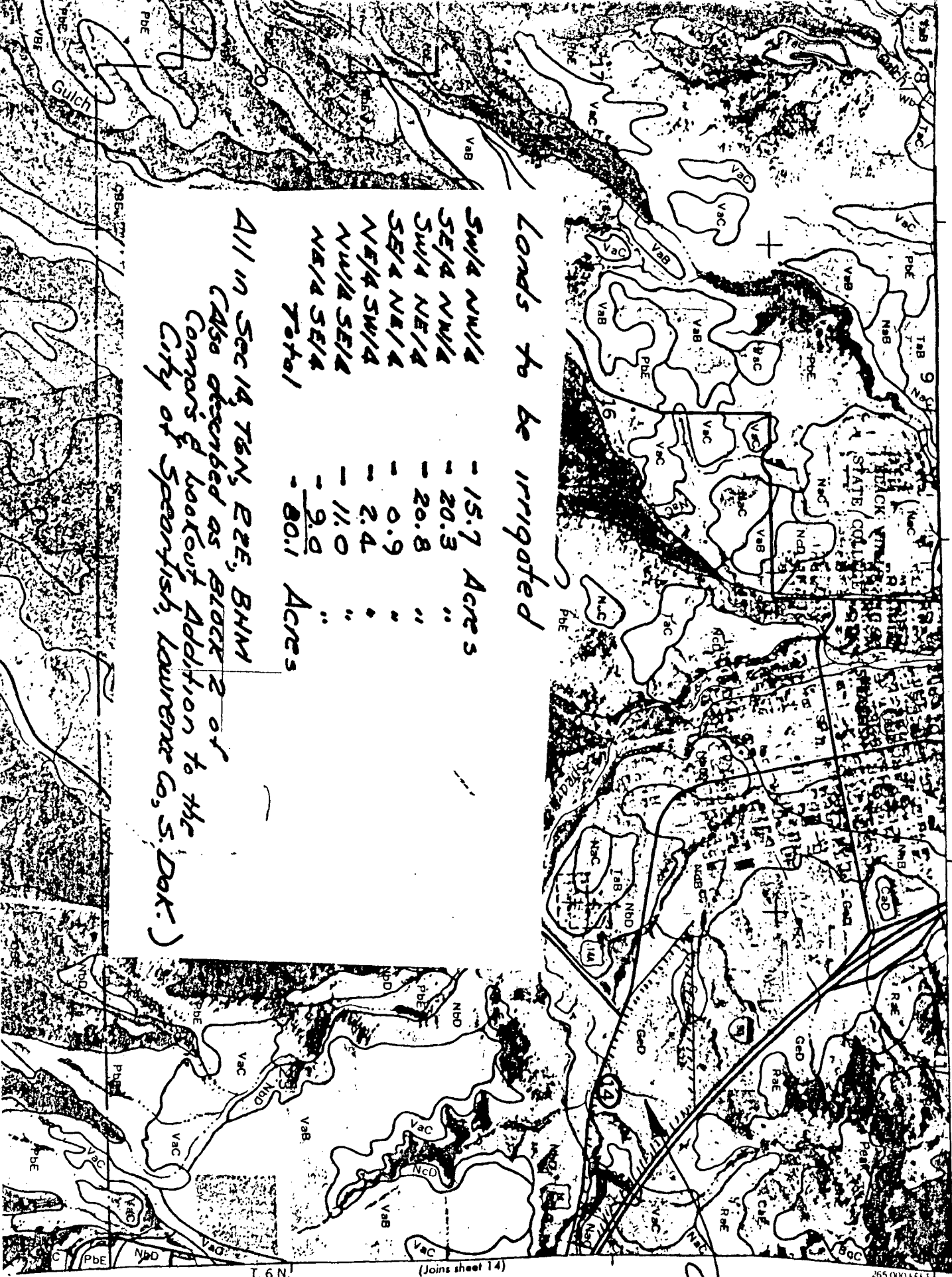
*[Signature]*  
SPECIALIST  
1986

Soils Map - See attachments for legal descriptions

Lands to be irrigated

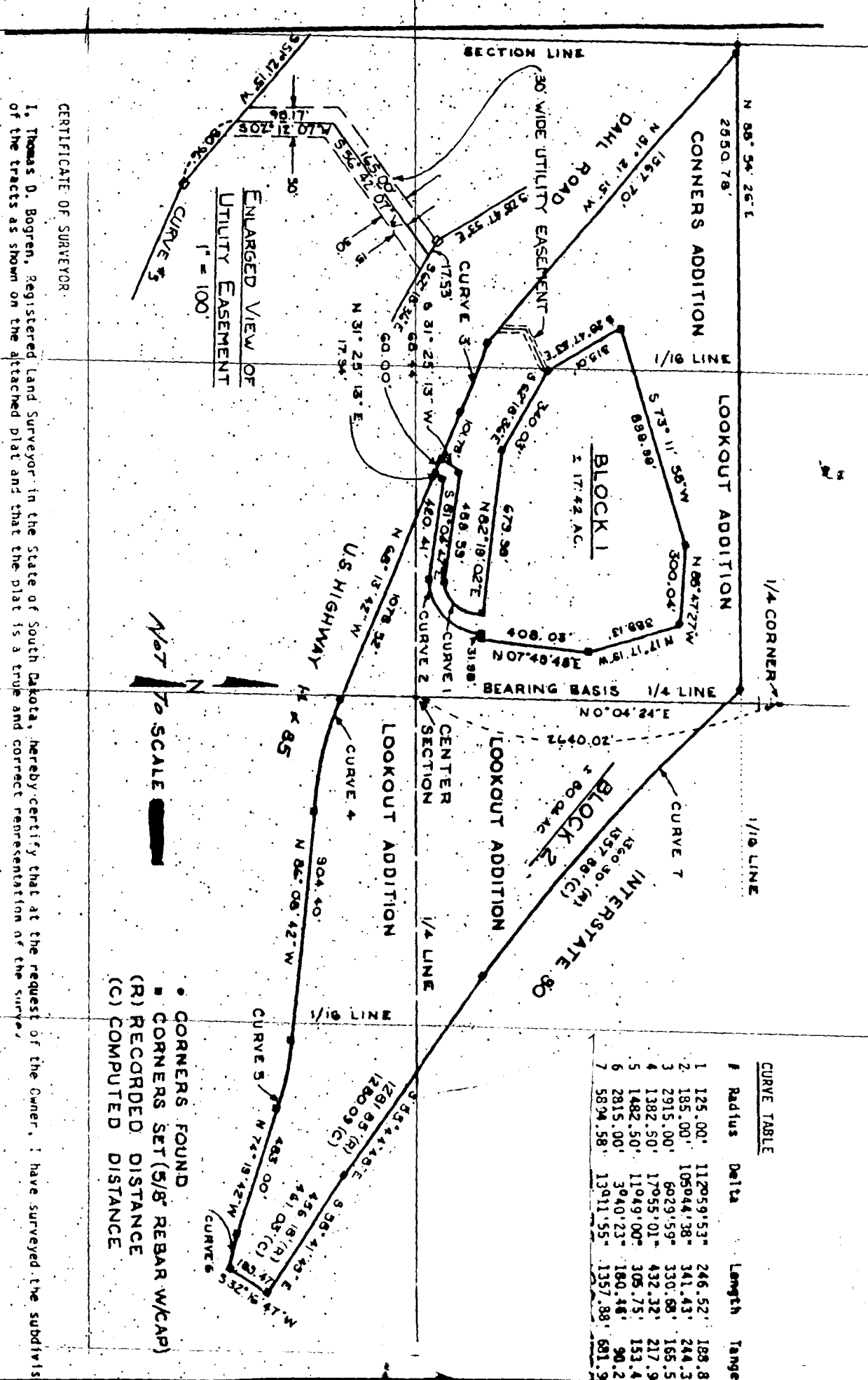
|              |                     |
|--------------|---------------------|
| SW/4 NW/4    | - 15.7 Acres        |
| SE/4 NW/4    | - 20.3 "            |
| SW/4 NE/4    | - 20.8 "            |
| SE/4 NE/4    | - 0.9 "             |
| NE/4 SW/4    | - 2.4 "             |
| NW/4 SE/4    | - 11.0 "            |
| NE/4 SE/4    | - 9.0 "             |
| <b>Total</b> | <b>- 80.1 Acres</b> |

All in Sec 14, T6N, E2E, BHM  
(Also described as Block 2 of  
Comer's & Lookout Addition to the  
City of Spearfish, Lawrence Co., S. Dak.)



|           |        |       |
|-----------|--------|-------|
| SW/4 NW/4 | - 15.7 | Acres |
| SE/4 NW/4 | - 20.3 | "     |
| SW/4 NE/4 | - 20.8 | "     |
| SE/4 NE/4 | - 0.9  | "     |
| NE/4 SW/4 | - 2.4  | "     |
| NW/4 SE/4 | - 11.0 | "     |
| NE/4 SE/4 | - 9.0  | "     |
| Total     | - 80.1 | Acres |

All in Sec 14, T6N, R2E, BHM  
(Also described as BLOCK 2 of  
Corners & Lookout Addition to the  
City of Spearfish, Lawrence Co, S. Dak.)



June 16, 1986

Estimate log of well to be drilled  
900 feet East & 210 feet North of  
the center of Section 14, T6N, R2E, B.H.M.  
15 as follows:

0-60 feet - Surface soil and gravel  
- 150' - Red beds  
- 300' - combined Minnekahta & Opoka  
- 770' - Minnelusa  
Estimated Total depth to the Madison @ 770 feet

This information compiled from years of  
experience with wells in this area by myself  
& in personal visitation & advice from  
Dr. J. Paul Gries.

by *Frank Bradley*  
Reg. P.E. & J.S. #478  
State of S. Dak.



June 17, 1986

Water Management Board  
Joe Foss Bldg.  
Pierre, S. Dak. 57501

Re: Spearfish Canyon Country Club  
Irrigation Project #3  
(Well & Reservoir)  
Sec 14, T6N, R2E, BHM.

Enclosed herewith are:

- (1) Check for \$225.00 for water application permit
- (2) 2 copies each of:  
water application map.  
Application for permit (Form 2)  
Form 2a for well #3 & dry draw reservoir  
Subdivision plot  
Est. of well log

We have this date mailed Soil Analysis report along with sample of comparable waters to the Water Quality Lab at S. Dak. State University for their analysis.

Sincerely

  
Fred D. Brady  
Reg. P.E. & L.S. #478  
State of S. Dak.

Box 193A R.R. 1  
Spearfish SD. 57783  
605-642-2962

REPORT ON APPLICATION NO. 1363-1  
THE SPEARFISH COUNTRY CLUB  
October 2, 1986

Application No. 1363-1 proposes to appropriate 1.14 cfs from one well, (Madison limestone), 770 feet deep, and construct a 6 acre-foot storage dam. The well and dam are to be located in the SW 1/4 NE 1/4 Section 14, T6N, R2E. The water is to be used to irrigate 80.1 acres in the S 1/2 NW 1/4, S 1/2 NE 1/4, N 1/2 SE 1/4, NE 1/4 SW 1/4, Section 14, T6N, R2E.

Aquifer: Madison Limestone

Geology and Hydrology

The Madison (Pahasapa) limestone is a massive, fine to medium crystalline, cavernous limestone and dolomite, 300 to 630 feet thick (Darton, 1925), that underlies approximately 314,880 acres and contains an estimated 9,446,400 acre-feet of recoverable water in storage in Lawrence County (Allen, 1984). The importance of the Madison as an aquifer is largely due to well developed zones of secondary porosity and permeability formed by weathering of exposed surfaces and ground water solution. The average porosity of the Madison Limestone is estimated to be 11 % and the effective porosity is estimated to be 5% (Rahn, 1979).

Recharge to the Madison limestone is accomplished primarily through infiltration of precipitation falling on the outcrop area and streamflow losses. The actual quantity of water that recharges the aquifer is unknown, and a controversial subject. Rahn (1979) states that the Madison recharge rate "must be fairly low", because water from the Madison was determined to be about 30,000 years old at Midland and Philip SD. The water presumably took 30,000 years to migrate from the recharge area near the Black Hills. In a report prepared for the BLM by Woodward-Clyde Consultants, the upper and lower bounds of average annual recharge are 400,000 acre-feet per year and 1400 acre-feet per year respectively.

There is no aquifer test information available from the Madison aquifer in the Spearfish area, therefore, the transmissivity and the storage coefficient of the aquifer are unknown. Estimates from regional studies of the aquifer indicate the transmissivity may range from 86 to 25,000 ft<sup>2</sup>/s; the storage coefficient may range from  $1 \times 10^{-6}$  to  $1 \times 10^{-4}$  (Peter, 1985). Reported specific capacity values from Madison wells in the area range from 0.019 gpm/ft to 0.03 gpm/ft (Rahn, 1979).

The Minnelusa Formation is possibly hydrologically connected with the Madison limestone, allowing natural discharge of the Madison. Natural Discharge also occurs along numerous springs which have incised the potentiometric surface of the Madison.

The Division of Water Rights does not monitor any Madison aquifer observation wells in this area and there is no historical data (water level measurements) available.

#### Review of Existing Permits

There are ten existing permits appropriating ground water in this area. They include:

| Permit No. | Diversion Rate (cfs) | Owner                        | Formation                     | Diversion Point                   |
|------------|----------------------|------------------------------|-------------------------------|-----------------------------------|
| 0418-1     | all                  | Juliet Cowgill               | Spring<br>(unknown formation) | SE Sec 10, T6N, R2E               |
| 579-1      | 2.22                 | City of Spearfish            | Madison                       | NW Sec 15, T6N, R2E               |
| 640-1      | 1.33                 | City of Spearfish            | Minnelusa                     | NE SE Sec 10, T6N, R2E            |
| 728-1      | 0.80                 | Spearfish Canyon Holding Co. | Minnelusa                     | NE SW Sec 14, T6N, R2E            |
| 795-1      | 0.223                | Thomas O & Doris M. Kimp     | Minnelusa                     | NW NE Sec 22, T6N, R2E            |
| 967-1      | 1.5                  | Travis S Roberts             | Alluvium                      | SW Sec 15, T6N, R2E               |
| 969-1      | 0.22                 | James McGibney (BHSC)        | N/A<br>future use             | NE NE & NE SE,<br>Sec 9, T6N, R2E |
| 970-1      | 0.11                 | BHSC                         | Minnelusa                     | NE Sec 9, T6N, R2E                |
| 1141-1     | 0.07                 | Robert P.S.                  | Alluvium                      | NE Sec 10, T6N, R2E               |
| 1199-1     | 0.80                 | Spearfish Canyon Holding Co. | Madison                       | NW SE Sec 14, T6N, R2E            |

Land covered under Permit No. 1363-1 is also covered under Permits No. 728-1 and 1199-1.

The Division of Water Rights has records of 11 domestic wells in the area (Water Right Division Files, 1986). The total depths of these wells vary from 80 feet to 1440 feet, and divert water from one of five aquifers: 1) Alluvium; 2) Spearfish Formation; 3) Minnekahta Limestone; 4) Minnelusa Formation; 5) Madison Limestone. Although these aquifers may have a limited hydrologic connection with each other, there is no evidence of any hydraulic connection in this area however, and the Madison can be considered a separate aquifer.

#### Conclusions

1. Little hydrologic data is available from the Madison Limestone in this area. The Madison is probably a viable source of water in this area, but well capacities in the area are unknown.
2. The Madison is basically untapped in Lawrence County, with less than one tenth of one percent of the recoverable water in storage appropriated. Water is available for appropriation.
3. The proposed diversion is near a recharge area.

4. Land covered under this permit is also covered under Permits No. 728-1 and 1199-1. Combinations of diversion under the three permits shall not exceed the statutory limit of 1.0 cfs for each 70 acres of land to be irrigated.



KEN BUHLER

Natural Resources Engineer

#### References

- Darton, N.H., Paige, S., 1925, Geologic Atlas of the United States, Central Black Hills Folio, South Dakota, USGS, Folio No. 219.
- Allen, J.C., Illes, D., Peters, A.K., 1984, Analysis of Ground Water and Streamflow Data, Western Dakotas Region of South Dakota: DWNRR, Division Geological Survey, Vermillion SD 57069; U.S. Army Corp of Engineers Contract No. DAWC 45-82-C-0151.
- Rahn, P.H., 1979, Ground Water Resources of Western South Dakota, US Army Corp of Engineers, Draft Report-Final
- Woodward-Clyde Consultants; 1981; Well Field Hydrology, Bureau of Land Management, Final Technical Report.
- Peter, K.D., 1985, Availability and Quality of Water from Bedrock Aquifers in the Rapid City Area, South Dakota, U.S. Geological Survey Water Resources Investigations.

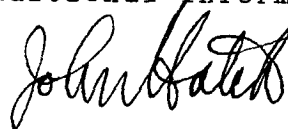
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT  
APPLICATION NO. 1363-1, Spearfish Canyon Country Club

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 1363-1, Spearfish Canyon Country Club, Box 607, Spearfish SD.

The Chief Engineer is recommending APPROVAL of Application No. 1363-1 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and constructed in compliance with Water Management Board Well Construction Rules, Chapter 74:02:04.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit, shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
3. This permit is approved subject to the irrigation water use questionnaire being submitted each year.
4. Land covered under this Permit is also covered under Permits No. 728-1 and 1199-1. Combinations of diversion under the three permits shall not exceed the Statutory limit of 1 cfs for each 70 acres of land to be irrigated.

See the attached report for additional information.



JOHN HATCH, Chief Engineer  
October 9, 1986



# Department of Water & Natural Resources

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

Water Rights Division  
605 773-3352

October 15, 1986

NOTE:

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

Spearfish Canyon Country Club  
Box 607  
Spearfish, South Dakota 57783

Dear Sir:

Your Application No. 1363-1 for a permit to appropriate water for

Irrigation use, has been examined and found to  
comply with the South Dakota Water Laws and applicable rules. A notice of  
your intent to appropriate water has been sent to the Publisher of the

Queen City Mail printed at Spearfish

South Dakota. For your information, a copy of this notice, the recommendation  
of the Chief Engineer and a report on the application are enclosed. Please  
review this notice prior to publication and notify this office, if you have  
any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your notice  
of intent to appropriate water and to arrange for payment. Early contact with  
the paper can eliminate delays. The publisher has been instructed to publish  
your notice once each week for two consecutive weeks with the last publication  
to occur at least thirty days before the board meeting. We must receive  
Proof of Publication before the application can be considered by the Water  
Management Board.

Sincerely,

RON DUVALL  
Natural Resources Engineer

enclosures

RD:ms

# Department of Water & Natural Resources

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

Water Rights Division  
605 773-3352

October 15, 1986

Queen City Mail  
Box 7  
Spearfish, South Dakota 57783

Dear Sir:

Enclosed is a Notice of Intent to Appropriate Water by Spearfish Canyon Country Club  
Application No. 1363-1, in Lawrence County, South Dakota. Please  
publish this notice once each week for two consecutive weeks in your paper. The  
first publication should be on, or before October 22, 1986.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you  
make the first publication. The applicant is to pay the cost of publication and  
should make the necessary arrangements with you to pay these costs.

A copy of BOTH publications must be sent to the Water Rights Division. IMMEDIATELY  
after the FIRST publication, return a copy of the notice with the FIRST Publication  
Transmittal form on the bottom of this page. The first copy is needed to check  
the publication for errors so any corrections can be made before the second  
notice is published.

Please be sure the SECOND publication is returned with the enclosed Proof of  
Publication form. The permit application cannot be considered by the Water  
Management Board until proof of publication has been received.

Thank you for your assistance.

Sincerely,

RON DUVALL  
Natural Resources Engineer

cc: applicant

\*\*\*\*\* CUT HERE \*\*\*\*\*

FIRST  
Publication  
Transmittal

No. \_\_\_\_\_ Date \_\_\_\_\_  
TO: Water Rights Division  
Joe Foss Building  
Pierre SD 57501-3181

We are in receipt of your letter dated \_\_\_\_\_ and Notice of Hearing to  
Appropriate Water by Application No. \_\_\_\_\_. The notice was first published  
in our issue dated \_\_\_\_\_. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

NAME \_\_\_\_\_ NEWSPAPER \_\_\_\_\_

*Equal Opportunity Employer*

No. 1363-1

Instruction to Newspaper - Publish first publication of the following Notice on or before October 22, 1986 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1363-1 to Appropriate Water  
~~and/or to Amend Water Permit or Water Right No. \_\_\_\_\_~~

Notice is hereby given that the Spearfish Canyon Country Club whose mailing address is  
Box 607 Spearfish, South Dakota has made an application for a permit

to appropriate 1.14 cubic feet of water per second from one well (Madison Formation) 770 feet deep and to construct a 6 acre-foot storage dam. The well and storage dam are to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 14-T6N-R2E and irrigate 80.1 acres in the S $\frac{1}{4}$ NW $\frac{1}{4}$ , S $\frac{1}{4}$ NE $\frac{1}{4}$ , N $\frac{1}{4}$ SE $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 14-T6N-R2E.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1363-1 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Joe Foss Building  
room 216, 523 E. Capitol, Pierre, South Dakota, December 10 1986 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by November 28, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2 46-5-30.4, 46-5-31; ~~(ground) 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; (future use) 46-5-38 thru 46-5-40, (transfer lands) 46-5-30.4, 46-5-33 thru 46-5-35; (10,000 AFA) 46-5-20.1, 46-5-20.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; (future use) 74:02:01:24 thru 74:02:01:25; (10,000 AFA) 74:02:01:15:02 thru 74:02:01:15:05.~~

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, 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.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNr, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by November 28, 1986.

# Affidavit of Publication

STATE OF SOUTH DAKOTA }  
COUNTY OF LAWRENCE } SS.

William B. Kemper of said County and State being first duly sworn, on his oath says: That The QUEEN CITY MAIL is a legal daily newspaper of general circulation, printed and published in the City of Spearfish, in said County and State by Bill Kunerth, and has been such a newspaper during the times hereinafter mentioned; and that said newspaper has a bonafide circulation of at least 200 copies weekly, and has been published within said County in the English language for at least one year prior to the first publication of the notice herein mentioned, and is printed in whole or in part in an office maintained at the place of publication; and That I William B. Kemper the undersigned, am the Publisher of said newspaper and have personal knowledge of all the facts stated in this affidavit; and that the advertisement headed:

NOTICE OF HEARING on Application No. 1363-1 to Appropriate  
Water

a printed copy of which is hereto attached, was printed and published in said newspaper for two successive and consecutive weeks, the first publication being made on the 22nd day of October, 1986 and the last publication on the 29th day of October, 1986 that the full amount of fees charged for publishing same, to-wit: The sum of \$41.99 inures solely to the benefit of the publisher of the QUEEN CITY MAIL, that no agreement or understanding for a division thereof has been made with any person and that no part thereof has been agreed to be paid to any other person whomsoever.

William B. Kemper  
Subscribed and sworn to before me this 29th day of October, 1986

Wicky L. Skatt  
NOTARY PUBLIC, LAWRENCE COUNTY, SOUTH DAKOTA

My commission expires September 12, 1992

## NOTICE OF HEARING on Application No. 1363-1 to Appropriate Water

Notice is hereby given that the Spear-

fish Canyon County Club whose mailing address is Box 607 Spearfish, South Dakota has made an application for a permit to appropriate 1.14 cubic feet of water per second from one well (Madison Formation) 770 feet deep and to construct a 6 acre-foot storage dam. The well and storage dam are to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 14-T6N-R2E and irrigate 80.1 acres in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ , S $\frac{1}{2}$ NE $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 14-T6N-R2E.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends **APPROVAL** of Application No. 1363-1 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Joe Foss Building room 216, 523 E. Capitol, Pierre, South Dakota, December 10 1986 at 10:00 a.m.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by **November 28, 1986**. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

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

This hearing is an adversary proceeding. The applicant or any person after filing a petition, 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.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNRR, Joe Foss Bldg, Pierre SD (605)773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by **November 28, 1986**.

October 22, 29



# Department of Water & Natural Resources

Joe Foss Building  
523 East Capitol  
Pierre, South Dakota 57501

Water Rights Division  
605 773-3352

1363-1

FEB 17 1987

Spearfish Canyon Country Club  
Box 607  
Spearfish, South Dakota 57783

Dear Sir:

Enclosed herewith is your Water Permit No. 1363-1 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 1363-1.

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

Very truly yours,

JOHN HATCH, Chief Engineer  
Water Rights Division

JH: ms

enclosure

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

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

WNR-809-5/83



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

August 5, 1993

1363-1

Barbara Loescher, Treasurer  
Spearfish Canyon Country Club  
Box 607  
Spearfish, SD 57783

Dear Ms. Loescher:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 1363-1, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Cheryl F. Frost  
Secretary  
Water Rights Division  
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

January 6, 1994

**SECOND NOTICE**

Permit No: 1363-1

**NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT**

Barbara Loescher, Treasurer  
Spearfish Canyon Country Club  
Box 607  
Spearfish, SD 57783

Dear Ms. Loescher:

On August 5, 1993, you were notified the final inspection fee of \$50.00 is due before Water License No. 1363-1 can be issued. As of this date, the fee has not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCL 46-2-13(3). Upon receipt of the \$50.00 fee, your Water License will be sent to you. This is the final document for the perfection of your Water Right. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fee immediately to avoid jeopardizing your water permit.

Very truly yours,

*for* JOHN HATCH, Chief Engineer  
Water Rights Division  
(605) 773-3352

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Barbara Loescher, Treasurer  
Spearfish Canyon Country Club  
Box 607  
Spearfish, SD 57783

1363-1

4a. Article Number

P 318 052 619

4b. Service Type

☐ Registered ☐ Insured

☒ Certified

☐ Express Mail

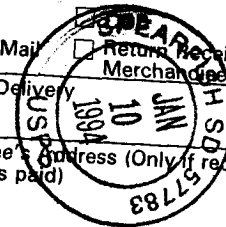
☐ Return Receipt for Merchandise

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

6. Signature (Agent)



Thank you for using Return Receipt Service.

PS Form 3811, December 1991

★U.S. GPO: 1992-323-402

**DOMESTIC RETURN RECEIPT**

# RECEIPT

414015

## Division of Water Rights

### South Dakota Department of Environment and Natural Resources

Pierre, \_\_\_\_\_ January 28, 19 94

RECEIVED OF Spearfish Canyon Country Club, PO Box 607, Spearfish, SD 57783

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

Fee for Application for Permit No. \_\_\_\_\_ to Appropriate Water, to construct  
and to put water to beneficial use \_\_\_\_\_

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. 1363-1

Fee for Filing Transfer Form \_\_\_\_\_

Fee for Filing Extension Request \_\_\_\_\_

Fee for \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Any Other Work Provided by Law)

**Total**

50 00

By

Chief Engineer

*John Hatch*  
(Signature)

Permit No. 1363-1

Water District: Belle Fourche

Report Of Examination Of Works And/Or Application of Water To Beneficial Use:

I have this day made a thorough examination of the water use system constructed by

Spearfish Canyon Country Club of Box 607, Spearfish, SD 57783

holder of Permit No. 1363-1, bearing the priority of September 15, 1986 authorizing the diversion of 1.14 cu.ft. per second the waters of groundwater for irrigation of a golf course purposes, in Lawrence County.

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

A. Works used to divert the water:

A submersible pump, 400 gallons per minute capacity.

A submersible motor, 75 horse power.

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

Water is transported through a 6 inch PVC pipe into an 18,000 gallon tank.

C. Works used to apply water to beneficial use:

Water is applied on the golf course using sprinkler systems.

The system is in the following conditions: Very good. The point of diversion is located: Approximately 1710 feet west, 2440 feet south from the Northeast corner of Section 14, T6N-R2E (SW1/4 NE1/4).

The works are capable of diverting and conveying to the place of use 0.9 cu.ft. per second of groundwater-Madison Formation which is to be used for irrigation purposes.

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

All in Section 14, T6N-R2E

SW1/4 NW1/4 15.7 ac.

NE1/4 SW1/4 2.4 ac.

SE1/4 NW1/4 20.3 ac.

NW1/4 SE1/4 11.0 ac.

SW1/4 NE1/4 20.8 ac.

NE1/4 SE1/4 9.0 ac.

SE1/4 NE1/4 0.9 ac.

comprising a total of 80.1 acres of land and the license should be issued for 0.9 cfs.

Application permit qualifications have been complied with Y Yes No

Exceptions to compliance are: None

Date: 6/18/92

MR Shadi

**M. RASSOOL AHADI**

Natural Resources Engineer III

DENR, Water Rights Division

REPORT ON INSPECTION OF PERMIT NUMBER 1363-1

DATE 6/18/92

Other permit(s) associated with the project 728-1 and 1199A-1

*being cancelled*

DIVERSION POINT LEGAL LOCATION: SW1/4 NE1/4 Section 14, T6N-R2E

WELL INFORMATION: Well Drilling Firm Taylor Drilling

- a) Pump 1) make Jacuzzi Submersible No. of Wells 1 Depth(s) 1180 feet  
2) model c) Casing: 1) diameter 12 inches  
3) size 8 inches 2) length 900 feet  
4) capacity 400 GPM 3) type Steel  
5) turbine pump - No. of stages d) Screen: 1) type None  
6) operating pressure PSI 2) length feet
- b) Motor: 1) make Jacuzzi-Submersible e) Static Water Level 250 feet  
2) model No.  
3) horsepower rating 75 HP

DISTRIBUTION LINES OR CANALS:

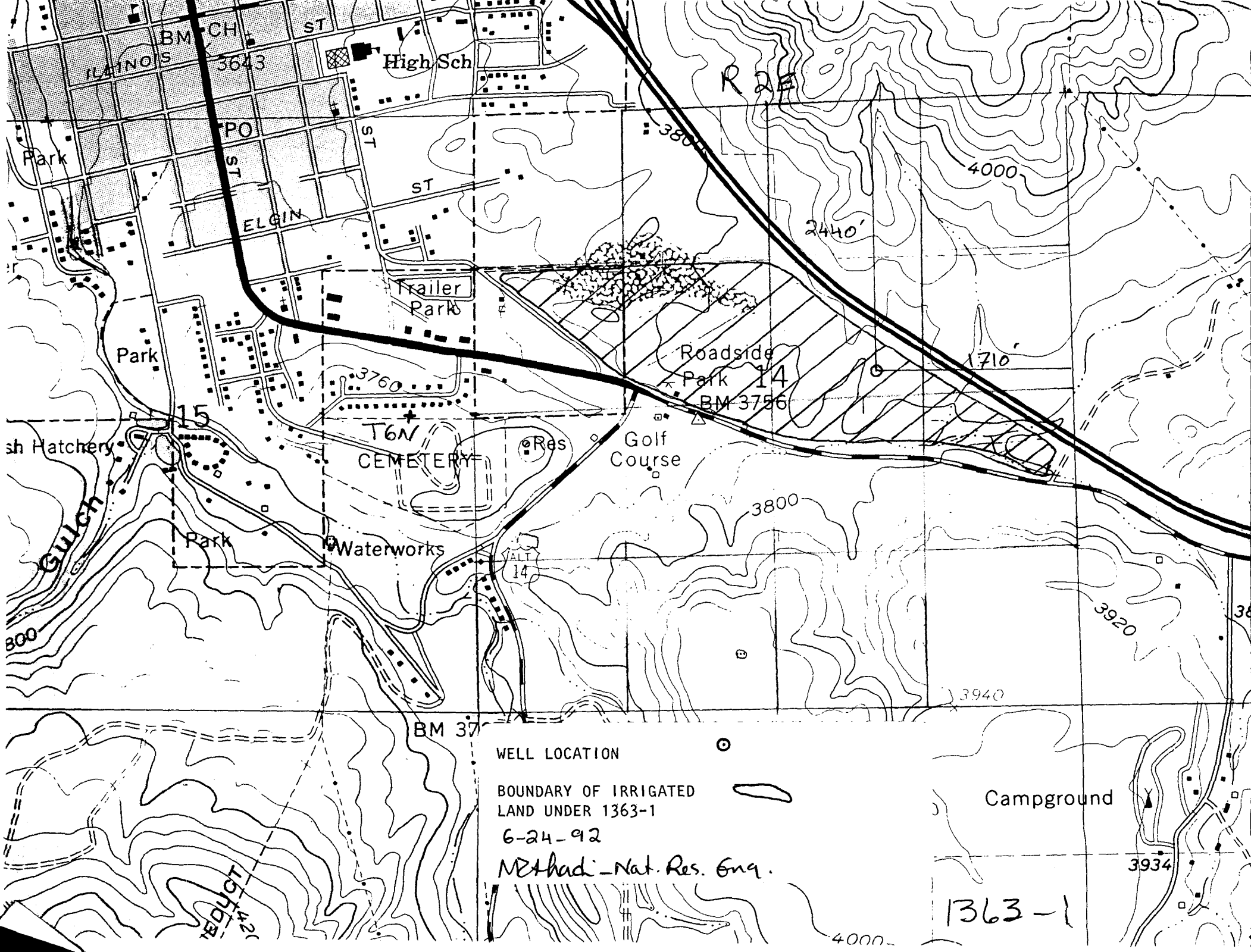
- a) type Polyvinyl Chloride (PVC) b) size 6 inches c) length 30<sup>\*\*</sup> feet

**\*\* Water from the well is pumped into an 18,000 gallon tank.**

PERMIT QUALIFICATIONS AND REGULATIONS:

- a) Soil and water permit lands agree with lands being irrigated and lands listed on permit Y (Y/N)  
b) Special qualifications to permit being abided by Y (Y/N)  
c) All structures, wells and lands on map Y (Y/N)  
d) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y (Y/N)

COMMENTS: The reservoir authorized by Water Permit No. 1363-1 is constructed. The reservoir, however, was empty at the time of inspection. According to the Green-keeper, the reservoir was abandoned due to the high seepage.



WELL LOCATION

BOUNDARY OF IRRIGATED  
LAND UNDER 1363-1

6-24-92

Methad - Nat. Res. Eng.

Campground

1363-1

**STATE OF SOUTH DAKOTA**  
**WATER LICENSE NO. 1363-1**

(1) The Spearfish Canyon Country Club, of PO Box 607, Spearfish, SD 57783-0607 made Application No. 1363-1, June 20, 1986 for a water permit to appropriate 1.14 cubic feet of water per second from groundwater (one well), Lawrence County, South Dakota for irrigation purposes. Permit No. 1363-1, with a priority date of September 15, 1986 was approved December 10, 1986 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before December 10, 1991 and for the application to beneficial use of said water on or before December 10, 1995.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.90 cubic feet of water per second for beneficial use. The location of the diversion point is approximately 1,710 feet west and 2,440 feet south of the NE corner of Section 14, T6N, R2E (SW¼ NE¼).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land: **all in Section 14, T6N, R2E**

|         |            |              |                   |
|---------|------------|--------------|-------------------|
| SW¼ NW¼ | 15.7 acres | NE¼ SW¼      | 2.4 acres         |
| SE¼ NW¼ | 20.3 acres |              |                   |
|         |            | NW¼ SE¼      | 11.0 acres        |
| SW¼ NE¼ | 20.8 acres | NE¼ SE¼      | 9.0 acres         |
| SE¼ NE¼ | 0.9 acres  |              |                   |
|         |            | <b>TOTAL</b> | <b>80.1 acres</b> |

(4) Pursuant to South Dakota Water Law 46-5-30.1 the Spearfish Canyon Country Club of PO Box 607, Spearfish, SD 57783-0607 the holder and/or owner of Water Permit No. 1363-1 is issued a license to appropriate water, the right to use 0.90 cubic feet of water per second from groundwater (one well) with a priority date of September 15, 1986 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Permit No. 1363-1 and subject to South Dakota State Law.

  
\_\_\_\_\_  
JOHN HATCH, Chief Engineer  
Water Rights Division  
Department of Environment and Natural Resources

FEB 2 1994  
\_\_\_\_\_  
date



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

FEB 2 1994

1363-1

Barbara Loescher, Treasurer  
Spearfish Canyon Country Club  
P.O. Box 607  
Spearfish, SD 57783-0607

Dear Ms. Loescher:

Enclosed is Water License No. 1363-1. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 414015 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

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. 1363-1, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

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

gm  
enclosures



1363-1

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

October 26, 1998

728-1

1363-1

Treasurer  
Spearfish Canyon Country Club  
120 Spearfish Canyon Dr  
Spearfish, SD 57783

Dear Treasurer:

Enclosed is a "Notice" dated October 16, 1998 concerning the 1998 irrigation questionnaires. The notice was originally mailed to PO Box 607, Spearfish, SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

Genny McMath  
Environmental Scientist  
Water Rights Program  
(605) 773-3352

enclosures

The well that is located on the back 9 of our golf course pumps into a 18,000 gal tank. The well does not turn on until that tank is 1/2 empty then it runs until it is full. Where many times the well is pumping faster than my irrigation pump the tank will become full and turn off until it reaches the 1/2 empty mark again. It is very difficult for me to come up with an exact figure on the length of time that each well run and the exact amount of water that is used. I feel that this well set up is very efficient where no water is overflowed and the well is only running when the demand is there..

**Jamie Bartow**  
Golf course superintendent  
Spearfish Canyon Country Club

