

No. *U.S. 169-2*

**Office of State Engineer
DOCUMENT FILE**

Dept. Agric. - Forest Service

Master Co.

Priority: July 10, 1937

Sec. 6, F.S. R.E.

0.54 acre lot

CERTIFICATE OF CONSTRUCTION OF WORKS

and

APPROPRIATION

U. S. Water Right No. 169-2

Gahl Reservoir
Name of Project

Fall River Water District

TO ALL WHOM IT MAY CONCERN:

This is to Certify, that the United States of America, Department of
Agriculture, Forest Service, has complied with the
State Laws and has been issued a withdrawal No. US 169 bearing date of
July 10, 1939 withdrawing from further appropriation 0.54 acre-
feet per annum of water for storage; of the waters of Bear Spring Creek,
County of Custer, State of South Dakota, at a point N. 77° 0'E.,
2,871 feet distant from the SW Cor. Sec. 6, T. 3S., R. 3E.
for livestock, fish culture, domestic, fire protection, recreation purposes;
has fully complied with the provisions of the laws of the State of South
Dakota relating to completion of the works set out and described in
Section 61.0137, that said works are completed in accordance with infor-
mation filed in the office of the State Engineer, and 0.54 acre-feet
per year is thereby appropriated for the above purposes bearing date of
priority of July 10, 1939.

Witness my hand this 9th day of January, 1940.

State Engineer.

Form 23A

WITHDRAWAL NO. US 169

RECEIVED
Form 23A 1939
ENGINEERING

Water Division No. 2

Fall River Water District

CERTIFICATE OF EXAMINATION OF WORKS

Report of Examining Engineer

Date December 5, 1939
By Walter M. Kling

RECEIVED
JAN 5 1940

STATE ENGINEER

Gahl Reservoir

Project Name and Number

Bear Spring Creek

Source of Appropriation
(Stream)

To the State Engineer, Pierre, South Dakota:

Dear Sir: I hereby certify that in accordance with your letter of authorization dated August 11 1939, I have made a thorough examination of Gahl reservoir, ditch, or pipe line constructed by the United States of America, Department of Agriculture, Forest Service, Region 2, Denver, Colorado, holder of withdrawal No. US 169 issued upon Notice of Intention bearing date July 7 1939, authorizing the withdrawal from further appropriation of 0.44 acre feet, or second feet of the waters of Bear Spring Creek, tributary of Hells Canyon for livestock, fish culture, domestic, fire protection, irrigation, recreation purposes. I have to report on the condition of the same as follows:

The impounded and diversion works comprise:

Dam: Type Earth fill Foundation earth
Size: Max. Length 60 ft. long Maximum height to spillway flow line 3.2 ft. Freeboard 1.5 ft.
Section: Upstream slope 3:1
Downs 2:1
Top width 10 ft. top
Yardage (Approx.) 110 cu.yds.
Reservoir: Area Normal Pool Level 0.12 acres
Capacity 0.18 acre feet
Nature of Shore line grassy
Spillway: Type Open channel Location right side
Width 8 ft. Depth 1.5 ft.
Capacity 30 cubic feet per sec.
Cutlot: Size none Control
Location
Ditches: Open Earth Open rock
Pipe Length
Section Capacity
Location or as shown on plans

The system is in the following condition: Dam located on dry draw,
spillway inadequate and in poor condition.

The outlet of the reservoir or the point of diversion of the ditch,
 canal or pipe line is located N. 77° 0' E. 2,871 ft.
 distant from the SW Corner of Section 6 Township 3S
 Range. 3E

The works are capable of utilizing 0.54 acre-feet of water
 annually or second-feet of water.

The legal subdivisions to be irrigated are _____

comprising a total of _____ acres of land.

The domestic and stockwater uses comprise household purposes and
water for livestock

The utilization for Public recreational, game and fish propagation and
 fire protection comprises bathing, rearing fish and water supply for fire
fighting equipment

The project was completed 1934

Witness my hand, this 5th day of December A.D. 19 39

Walter W. Melling
 Examining Engineer

Profile Center Line "pillway
 10% grade

LETTER OF AUTHORIZATION
for
Inspection

August 11, 1939

Latter Building

Rapid City, S. Dak.

Gahl Reservoir
Name of Project
Water Division No. 2
Fall River Water District
Four Spring Creek
Source of Appropriation
(Stream)

Dear Sir:

The United States of America, Department of Agriculture, Forest Service, Denver, Colorado, having filed "Notice of Intention" to utilize certain specified waters of the State, and there having been issued a withdrawal from further appropriation as provided in Section 61.0137, 1939 Revised Code of South Dakota and identified as Withdrawal No. W.S. 160, on Four Spring Creek (stream) County of Custer on the Harnoy Forest, has informed this office that the construction for the diversion, storage, appropriation and application of water to beneficial use has been fully completed and is ready for examination.

You are, therefore, hereby authorized to arrange with the holder of said withdrawal for an examination of the Gahl Reservoir reservoir, ditch, or pipe line constructed and owned by the United States of America, Department of Agriculture, Forest Service, on the Harnoy Forest and also an inspection to determine the amount of water stored and applied to beneficial use.

In this examination you will ascertain whether or not the constructed works comply fully with the plans submitted and are capable of using quantities of water as set forth in the "Notice of Intention", and give in complete form all the information which is suggested by the statements in the Certificate of Inspection which is herewith enclosed, in the attached instructions, and such other information as will enable the State Engineer to act intelligently and judiciously in the matter of determining the status of completion of the projects.

You should also arrange with the holder of the withdrawal for the payment of your fee for this service and such proper expenses as you incur in making this examination and report and making the testimony.

Very truly yours,

A. Carlton Tucker
State Engineer.

WITHDRAWALS No. U. S. 169

JUL 24 1939

FORM 17A

Gahl Reservoir

Name of Project

OF STATE ENGINEER

PIERRE, S. DAK.

Water Division No. 2East River Water District

NOTICE OF COMPLETION OF WORKS

P.O. Denver, Colorado,Date July 21, 1939

TO THE STATE ENGINEER OF SOUTH DAKOTA, PIERRE:

Dear Sir: Notice is hereby given of the completion of the construction of Gahl reservoir, ditch, or pipe line constructed and owned by the United States of America, Department of Agriculture, Forest Service on the Harney Forest. The project provides for the diversion and storage or direct diversion of quantities of water as shown on the plans and reports submitted and the project has been completed in accordance with the said plans and reports, terms and conditions of withdrawals heretofore issued by the State Engineer of the State of South Dakota or as shall be hereafter reported by the Examining Engineer.

1. The proper name of the Federal Agency holding said withdrawal is United States of America, Department of Agriculture, Forest Service.
2. The name and postoffice address of the proper corresponding official for said Federal Agency is Regional Forester, Denver, Colorado.
3. The project is located in SE 1/4 of Section, 6 Township 3 S, Range 3 E.
4. Said water to be used for livestock, fish culture, domestic, fire protection, irrigation, recreation purposes.
5. The amount of water which said completed works are capable of impounding or conducting to the place of intended use is as shown by information previously submitted or as shall be hereafter reported by the Examining Engineer Walter Walkling.
6. The amount of land for which said water is available is _____ acres, particularly described as follows: _____

I hereby certify that the facts set forth in the above notice are true.


 JAMES L. BROWNLEE
 Assistant Regional Forester
 Division of Engineering

CERTIFICATE OF WITHDRAWAL
of
WATER FOR APPROPRIATION
to the
UNITED STATES OF AMERICA
DEPARTMENT OF AGRICULTURE
FOREST SERVICE.

No. U. S. 169

Gahl Reservoir
Name of Project

Custer
County

Water Division No. 2
in 1 River Water District
Four Spring Creek
Source of Appropriation - Stream

The United States of America, Department of Agriculture, Forest Service, having filed "Notice of Intention" to utilize certain heretofore unappropriated public waters of the State of South Dakota, in accordance with the requirements of the statutes of the State of South Dakota, such statutes and authority being contained in Section 61.0137 1934 Revised Code of South Dakota, now therefore:

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of Four Spring Creek, the annual amount of 0.54 acre-feet of water to maintain storage in Gahl reservoir created by damming said stream at a point

1/4 77th 06th E., 2871
feet distant from the S. Corner of Section 6, Township 34,
Range 3E. The purpose of such storage is
Livestock, fish culture, domestic, fire protection, irrigation, recreation.

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of _____ a maximum of _____ cubic feet per second to be diverted through the _____ ditch, canal or pipe line at a point located on the _____ bank

feet distant from the _____ Corner of Section _____, Township _____
Range _____ for the purpose of _____

during the months of _____

This certificate and withdrawal shall in no manner prejudice, alter, amend or affect the rights of any prior appropriator or prior appropriation of water, nor of any application for appropriation pending on the date of this certificate, but the rights and privileges of any and all such prior appropriators or applicants for appropriation of water shall remain inviolate and intact, the same as if the within withdrawal had not been made.

This certificate shall be and is subject to cancellation in accordance with the provisions of the statutes hereinbefore referred to and under the authority of which this certificate is issued.

In accordance with the provisions of the statutes hereinbefore referred to, this certificate is executed at the State Capitol at Pierre, South Dakota, this 10th day of July 1939.

State Engineer

E
WATER RESOURCES
Water Rights

NOTICE OF INTENTION
to the
STATE ENGINEER
of the
STATE OF SOUTH DAKOTA

RECEIVED
OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

Gahl Reservoir Project
Harney Forest
South Dakota

Denver, Colorado.

July 7, 1959

Date

Notice of Intention to divert, store and appropriate water for beneficial uses from certain streams in South Dakota by the United States of America, Department of Agriculture, Forest Service.

The United States of America, Department of Agriculture, Forest Service, through its officers duly appointed to administer the National Forests in South Dakota, hereby notifies the State Engineer of South Dakota of its intentions to appropriate, by construction, diversion, storage and beneficial use, the unappropriated public waters of South Dakota, under Section 61.0137 of the 1939 Revised Code of South Dakota. Application is hereby made for the withdrawal of certain unappropriated public waters of the State of South Dakota in an amount sufficient to maintain storage in Gahl

Reservoir, or to satisfy the requirements of the ditch, canal or pipe line,

and the following information is furnished:

1. Representative of the United States of America authorized to act in procurement of water rights.

Ans. Regional Forester, United States Department of Agriculture,
Forest Service, Region 2, Denver, Colorado.

2. Name of intending appropriator.

Ans. United States of America, Department of Agriculture, Forest
Service.

3. Name and address of agency representing intending appropriator.

Ans. United States Department of Agriculture, Forest Service, Region
2, Denver, Colorado.

4. Name of reservoir, ditch, canal or pipe line.

Ans. Gahl Reservoir

5. County in which water is to be diverted, stored and appropriated.

Ans. Custer County

6. Name of stream from which water is to be diverted, stored and
appropriated.

Ans. Bear Spring Creek

7. The outlet of the reservoir or the point of diversion of ditch,
canal or pipe line is located N. 77° 00' E., 2871 feet

distant from the SW Corner of Section 6 Township 5 S
Range. 3 E.

8. Uses to which water directly diverted or diverted and stored, is to be
put.

Ans. Livestock, fish culture, domestic, fire protection, irrigation, recreation.

9. The available capacity of reservoir in acre feet.

Ans. 0.18 acre feet

10. The carrying capacity of ditch, canal or pipe line in cubic feet per
second.

Ans.

11. Acre feet of water to be appropriated annually for diversion and
storage in reservoir.

Ans. 0.54 acre feet

12. Cubic feet of water per second to be appropriated for direct diversion
by ditch, canal, or pipeline.

Ans.

13. Location of lands to be irrigated.

Ans.

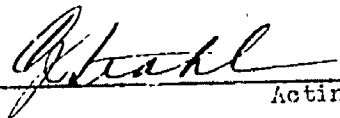
14. Class of plans accompanying "Notice of Intention".

Ans. Standard plans

ALLEN S. PECK,

Regional Forester

By



Acting .