

No. 558-2

Office of State Engineer
DOCUMENT FILE

Dept. Agric. Forest Service

D. C. H. A. F. L.

Dec 3, 1881 R 3 E

Priority 8-33-40

CERTIFICATE OF CONSTRUCTION OF WORKS
and
APPROPRIATION

U. S. Water Right No. 559-2

Lion Mountain 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 558 bearing date of
August 23, 1940 withdrawing from further appropriation 0.04 acre-
feet per annum of water for storage; of the waters of Lion Mountain Draw
County of Fall River, State of South Dakota, at a point S. 61 44' W.,
5601 ft. distant from the SE Cor. Sec. 3 T. 6S., R. 3E
for domestic, livestock, fire protection, recreation, fish culture ^{irrigation} 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 0.04 acre-feet
per year is thereby appropriated for the above purposes bearing date of
priority of August 23, 1940.

Witness my hand this 27th day of November 1940.

State Engineer.

WITHDRAWAL NO. US 558Water Division No. 2Fall River Water District

CERTIFICATE OF EXAMINATION OF WORKS

Report of Examining Engineer

Date November 22, 1940
By H. E. Von SengernLion Mountain Reservoir
Project Name and NumberLion Mountain Draw
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 October 10 1940, I have made a thorough examination of Lion Mountain 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 558 issued upon Notice of Intention bearing date August 19 1940, authorizing the withdrawal from further appropriation of 0.04 acre feet, or second feet of the waters of Lion Mountain Draw, tributary of Red Canyon for livestock, fish culture, domestic, fire protection, recreation and irrigation purposes. I have to report on the condition of the same as follows:

The impounded and diversion works comprise:

Dam: Type Earth Foundation Earth
Size: Max. Length 55' Maximum height to spillway flow line 3.5' Freeboard 1.0'
Section: Upstream slope 3:1
Downstream slope 2:1
Top width 10'
Yardage (Approx.) 190 cu. yds.
Reservoir: Area Normal Pool Level 0.001 acres
Capacity 0.03 acre feet
Nature of Shore line Grassy and steep
Spillway: Type Open channel Location Left end
Width 22' Depth 2'
Capacity 72 cubic feet per sec.
Outlet: 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: Good

The outlet of the reservoir or the point of diversion of the ditch, canal or pipe line is located S. 68° 14' W., 5601
feet distant from the SE Corner of Section 3 Township 8 S.
Range. 3 E.

The works are capable of utilizing 0.01 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, water
for livestock, fire protection and irrigation.

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 July 22, 1935

Witness my hand, this 22nd day of November A.D. 19 40.

M. E. Von Seggern
Examining Engineer

Profile Centerline Spillway
Station 0+00 0+20 0+52 0+65 0+95
Fall 0.0 0.0 0.6 1.3 6.3

LETTER OF AUTHORIZATION
for
Inspection

October 10, 1940

M. E. Von SeggernCuster, South DakotaLion Mountain Reservoir
Name of Project
Water Division No. 2
Fall River Water District
Lion Mountain Draw
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. RS 558, on Lion Mountain Draw (stream) County of Fall River on the Harvey National 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 Lion Mountain reservoir, ditch, or pipe line constructed and owned by the United States of America, Department of Agriculture, Forest Service, on the Harvey National 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 taking the testimony.

Very truly yours,

State Engineer.

FORM 17A

WITHDRAWALS No. U.S. 558

FORM 17A

Lion Mountain Reservoir
Name of ProjectRECEIVED
10 1940Water Division No. 2OFFICE OF STATE ENGINEER
Fall River Water District

NOTICE OF COMPLETION OF WORKS

P.O. Denver, ColoradoDate October 8, 1940

TO THE STATE ENGINEER OF SOUTH DAKOTA, PIERRE:

Dear Sir: Notice is hereby given of the completion of the construction of Lion Mountain reservoir,

ditch, or pipe line constructed and owned by
the United States of America, Department of Agriculture, Forest Service on the Harney National 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 W¹ of Section, 10, Township 3 S., Range 3 E.
4. Said water to be used for livestock, fish culture, domestic, fire protection, recreation and irrigation 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 H. E. Von Seggern.
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. Buchanan
JAMES L. BUCHANAN
Assistant Regional Forester
Division of Engineering

FORM A

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

U. S. No. 559

Lion Mountain Reservoir
Name of Project

Water Division No. 2
Fall River Water District
Lion Mountain Draw
Source of Appropriation - Stream

Fall River
County

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 1939 Revised Code of South Dakota, now therefore:

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of Lion Mountain Draw, the annual amount of .04 acre-foot of water to maintain storage in Lion Mountain reservoir created by damming said stream at a point S. 6E - 44 1/4. 6301 feet distant from the SE Corner of Section 3, Township 6S Range 3E. The purpose of such storage is livestock, fish culture, domestic, fire protection, recreation and irrigation

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 23rd day of August 1940.

State Engineer

E
WATER RESOURCES
Water Rights

RECEIVED
AUG 22 1940

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

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

Lion Mountain Reservoir Project

Denver, Colorado.

Harney National Forest
South Dakota

August 19, 1940
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 61.013 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 _____

Lion Mountain 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 attending 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. Lion Mountain Reservoir

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

Ans. Fall River County

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

Ans. Lion Mountain Draw, Tributary of Red Canyon

7. The outlet of the reservoir or the point of diversion of ditch,

canal or pipe line is located 368°44'W 5601 feet

distant from the SE Corner of Section 3 Township 8S
Range. 3E (76).

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

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

9. The available capacity of reservoir in acre feet.

Ans. .03 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. .04 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

H. D. Cochran
Acting Regional Forester