Docket No: 48

MORAINE PARK CAMPGROUND WATER SYSTEM, SPRINGS 1 AND 2

Preliminary Docket Information

00-00-0000: water right record: id no. romo s320573af48

WATER RIGHT RECORD

Park: ROMO

Docket Number:
Federal #48

IDENTIFICATION NO: ROMO S 320573 AF48

DITCH/WATER SYSTEM: Moraine Park Campground Water System (Formerly Steads Ditch and Pipelines)

SOURCE OF SUPPLY: Two springs (Ditch Abandoned)

LOCATION: Spring No. 1: Whence the E¼ corner of Sec. 32, T5N, R73W, 6th P.M. bears S 89°20'E 939.97 ft.

Spring No. 2: Whence the E¼ cor. of said Sec. 32, bears N48°7'E, 727.18 ft.

Ditch: South bank of the north branch of the Big Thompson River whence the S¼ corner of said Sec. 32, bears S19°26'E 1398.29 ft.

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number: Filing No. 16602, accepted in the office of the State Engineer of Colo. 6/5/39

Certificate Record Number:

Date of Priority: Spring No. 1 - 12/31/1875, Spring No. 2 - 6/1/1904, Ditch - 6/1/1904. Priorities #5, 7, and 96.

Quantity of Water: Spring No. 1 -.0394 c.f.s., Spring No. 2 - .0134 c.f.s., Ditch - 2.0 c.f.s.

Purpose: Domestic and irrigation

Irrigated Land Description:

SUMMARY OF STATUS: This is a Federal water right acquired by Deed September 27, 1962. There is a 15' dug well, pump, 50,000 gallon reservoir, with approx. 1½ mi. of 2½ and 3 inch pipeline.

This system supplies the campground and stables, and occasionally uses water from Moraine Park Well No. 2.

Moraine Park Campground Well Permit No 11773, June 1963
(See map in Docket No. 3)

00-00-0000: water right record

WATER RIGHT RECORD

Park:

Docket Number:

IDENTIFICATION NO: _

DITCH/WATER SYSTEM:

SOURCE OF SUPPLY:

LOCATION:

WATER RIGHT:

Appropriator:

Application/Permit Number:

Certificate Record Number:

Date of Priority:

Quantity of Water:

Purpose:

Irrigated Land Description:

SUMMARY OF STATUS:

00-00-0000: index for docket 48

ROCKY MOUNTAIN NATIONAL PARK

DOCKET NO. 48

INDEX

(Prepared 12/28/62 in Midwest Regional Office) (revised there in May 1963)

1. Map with statement - Stead Pipe Lines, Nos. 1 & 2, Stead Ditch - Filing No. 16602
2. Stead Pipe Lines Nos. 1 and 2 (4 pages)
3. Stead Ditch (2 pages)
4. Warranty Deed with Reception No. 827286, with Exhibit A attached
5. Correctional Deed, Reception No. 840500, Recorded May 6, 1963

DOCKET INFORMATION SHEET

Docket Identity	ROMO S 32 05 73 C F 48
Region	ROCKY MOUNTAIN
Area	ROCKY MOUNTAIN NATIONAL PARK
Site	MORAINE PARK CAMPGROUND WATER SYSTEM
State	COLORADO
County	LARIMER
Docket	ROMO WATER RIGHT DOCKET 48
Location	T5N R73W SEC 32
Acquired by	PURCHASE?
Application	16602 JUNE 5 1939
Permit	NO 5
Certificate	
Priority	DECEMBER 31 1875 1.0394 CFS
Reservation	JANUARY 26 1915
Status	ACTIVE FEDERAL
Source	GROUND WATER
Use	DOMESTIC AND IRRIGATION
Quantity	.0394 CFS
Hydrologic Unit	10190006
Remarks	

DOCKET INFORMATION SHEET

Docket Identity	ROMO S 32 05 73 D F 48
Region	ROCKY MOUNTAIN
Area	ROCKY MOUNTAIN NATIONAL PARK
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Docket	ROMO WATER RIGHT DOCKET 48
Location	T5N R73W SEC 32
Acquired by	PURCHASE
Application	16602 JUNE 5 1939
Permit	NO 7
Certificate	
Priority	JUNE 1 1904 - .0134 CFS
Reservation	JANUARY 26 1915
Status	ACTIVE FEDERAL
Source	GROUND WATER
Use	DOMESTIC AND IRRIGATION
Quantity	.0134 CFS
Hydrologic Unit	10190006
Remarks	

DOCKET INFORMATION SHEET

Docket Identity	ROMO R 32 05 73 E F 48
Region	ROCKY MOUNTAIN
Area	ROCKY MOUNTAIN NATIONAL PARK
Site	MORAINE PARK CAMPGROUND WATER SYSTEM - DITCH
State	COLORADO
County	LARIMER
Docket	ROMO WATER RIGHT DOCKET 48
Location	T5N R73W SEC 32
Acquired by	
Application	16602 JUNE 5 1939
Permit	NO 96
Certificate	
Priority	JUNE 1 1904 - 2.0 CFS
Reservation	JANUARY 26 1915
Status	INACTIVE FEDERAL
Source	SURFACE WATER
Use	DOMESTIC AND IRRIGATION
Quantity	2.0 CFS
Hydrologic Unit	10190006
Remarks	

Rocky Mountain National Park - Docket No. 48	Steads Spring #1	Filing 16602	Decreed Priority 5	Quantity .0394 cfs	Priority Dec. 31, 1875 Adjudicated June 5, 1939
	Steads Spring #2	Filing 16602	Decreed Priority 7	Quantity .0134 cfs	Priority June 1, 1904 Adjudicated June 5, 1939
	Steads Ditch	Filing 16602	Decreed Priority 96	Quantity 2.000 cfs	Priority June 1, 1904 Adjudicated June 5, 1939

RECEIVED
MAY 2 [illegible]
DEPT. JUSTICE ENVIRONMENT DIV
DENVER, COLO

DISTRICT COURT, WATER DIVISION NO. 1, COLORADO

CASE NO. 85CW376
(Boulder County CA 10077)

CORRECTED FINDINGS AND RULING AND DECREE OF THE WATER COURT

IN THE MATTER OF THE APPLICATION OF WATER RIGHTS OF

UNITED STATES OF AMERICA, ROCKY MOUNTAIN NATIONAL PARK,

IN LARIMER COUNTY

THIS CHANGE was filed with the Water Clerk, Water Division 1, on December 19, 1985 to modify the decree in Boulder County CA 10077. The Court being fully advised in the premises does hereby find:

All notice required by law of the filing of this application have been fulfilled, and the Court has jurisdiction of this application.

Statements of Opposition to said application were filed by the Colorado Water Conservation Board and Northern Colorao Water Conservancy District. The Colorado Water Conservation Board subsequently withdrew by stipulation. The time for filing additional statements has expired.

All matters contained in the application were reviewed, and testimony was taken where such testimony was necessary and such corrections made as are indicated by the evidence presented.

FINDINGS OF FACT

1. Stead Ditch was decreed in Boulder County CA 10077 dated November 14, 1939. The ditch was decreed for irrigation of lands under the ditch with 2 cfs of water as of June 1, 1904.

2. According to applicant's engineer, the irrigation of 60 acres produces an estimated consumptive use of 22.30 acre feet during June, 19.15 acre feet during July, 13.25 acre feet during August and 9.30 acre feet during September. All uses historically were within the boundaries of Rocky Mountain National Park.

3. Applicant requests the consumptively used portion of this right be changed to wildlife and fish maintenance and propagation and recreation uses all within the natural stream channel of the Big Thompson River.

IT IS HEREBY THE DECREE OF THE WATER COURT

1. The name and address of the applicant:

United States of America
Department of Justice
Environment and Natural Resources Division
General Litigation Section
999 18th St., #945
Denver, CO 80202

2. The name of the structure:

Stead Ditch

3. The legal description of the structure:

SE1/4 SW1/4, Section 32, Township 5 North, Range 73 West, 6th P.M., Larimer County, at a point whence the S 1/4 corner Section 32 bears S 19 deg. 26' East 1390.29 feet.

4. The source of the water:

Big Thompson River

5. The date of appropriation:

June 1, 1904 as decreed in CA 10077 dated November 14, 1939.

6. The amount of water:

Stead Ditch was decreed for 2 cfs. To prevent injury to other water rights, only the consumptive use is transferred herein as follows:

June	0.370 cfs
July	0.317 cfs
August	0.220 cfs
September	0.154 cfs

The remainder of the 2 cfs is relinquished to the stream system.

7. The use of the water:

Wildlife and fish maintenance and propagation and recreation all within the natural channel of the Big Thompson River, all limited to use within Rocky Mountain National Park.

8. This change was filed pursuant to a Stipulation for Deletion from Abandonment List in Case Nos. 84CW426 through 84CW466 between the United States and the State Engineer and Division Engineer for Water Division No. 1. In accordance with that stipulation, the United States agrees not to use the water right decreed herein outside of the exterior boundaries of Rocky Mountain National Park unless otherwise expressly directed by statute. Furthermore, the United States agrees not to sell the water right decreed herein unless otherwise expressly directed by statute. Should the United States desire to change the place, manner, or time of use of the decreed water right, the United States agrees to file a change of water right application at such time.

9. This decree was entered pursuant to a stipulation between the United States and the Colorado Water Conservation Board and the issues decided herein were not litigated between the parties. In accordance with that stipulation, the parties shall not be collaterally estopped from asserting any factual or legal claims or defenses in any other case as a result of this decree. Additionally, the parties agree they shall not cite this decree as precedent in any other case.

10. Due to the unique location of this water right and the limitation contained herein, water rights of others will not be injured by this change.

11. This change shall be subject to reconsideration by the water judge on the question of injury to the vested rights of others for a period of 5 years from the date of this decree pursuant to CRS 37-92-304(6).

PARAGRAPHS 8 AND 9 WERE ADDED PURSUANT TO STIPULATION AMONG PARTIES.

THE FOREGOING RULING AND DECREE IS CONFIRMED AND APPROVED, AND IS HEREBY MADE THE JUDGMENT AND DECREE OF THIS COURT.

Dated: MAY 19 1993

ROBERT A. BEHRMAN
Water Judge
Water Division No. 1
State of Colorado

8 copies delivered to box 9/28/84 ART
Docket #48

DISTRICT COURT, WATER DIVISION NO. 1, COLORADO

Case No. W-8439-76 (W-8789-77 through W-8794-77)

AMENDED APPLICATION FOR SURFACE AND UNDERGROUND WATER RIGHTS

IN THE MATTER OF THE APPLICATION OF THE UNITED STATES OF AMERICA FOR APPROPRIATIVE WATER RIGHTS IN ROCKY MOUNTAIN NATIONAL PARK IN LARIMER AND BOULDER COUNTIES.

---

1. Name and address of Applicant:

United States of America
c/o John E. Lindskold
Attorney, Department of Justice
Land and Natural Resources Division
1961 Stout Street, Drawer 3607
Denver, Colorado 80294

2. The United States of America claims a total of ten water rights including four additional surface and underground water rights (diversions, pipelines and wells) situated on lands acquired for and located in Rocky Mountain National Park in Larimer County.

3. The use of the water claimed in this amended application is domestic water for use in picnic areas, campgrounds, ranger stations, cabins under permit from the National Park Service in the Rocky Mountain National Park.

4. Legal descriptions and data pertaining to each well or diversion (all descriptions refer to 6th P.M.):

Larimer County

Name of Structure: Bighorn Ranger Station Well
Legal description: In the NE 1/4 NE 1/14, Section 17, T. 5 N., R. 73 W.
Source: Bighorn Creek, tributary to Big Thompson River
Depth of Well: 128 feet
Date of appropriation: June, 1982
Date water applied to beneficial use: August, 1982
How appropriation was initiated: Drilling well
Amount claimed: 20 gpm Absolute
Use: Domestic, recreation, fire fighting

Name of Structure: Moraine Park Well No. 0 AKA Moraine Park Cottages
Legal description: In the SE 1/4 SW 1/4, Section 33, T. 5 N., R. 73 W., whence the northeast corner of Section 5, T. 4 N., R. 73 W., bears S. 50 ^{o} 50' E 666.46 feet.
Source: Big Thompson River
Depth of Well: 40 feet
Date of appropriation: August, 1957
Date water applied to beneficial use: June, 1958
How appropriation was initiated: Drilling of well
Amount claimed: 7 gpm Absolute
Use: Domestic, recreation, fire fighting

Name of Structure: Moraine Park Well No. 1
Legal Description: In the SE 1/4 SW 1/4 of Section 33, T. 5 N., R. 73 W., whence the NE corner of Section 5, T5N, R73W, bears S 36^{o} 33' E-1463.29 feet.
Source: Big Thompson River
Depth of Well: 15 feet
Date of appropriation: July, 1959
Date water applied to beneficial use: September, 1959
How appropriation was initiated: Drilling of well
Amount claimed: 79 gpm Absolute
Use: Domestic, recreation, fire fighting

Name of Structure: Moraine Park Well No. 2
Legal Description: In the SE 1/4 SW 1/4 of Section 33, T. 5 N., R. 73 W., whence the NE corner of Section 5, T5N, R73W, bears S 45^{o} 21' E 1600 feet.
Source: Big Thompson River
Depth of Well: 100 feet
Date of appropriation: September, 1970
Date water applied to beneficial use: June, 1971
How appropriation was initiated: Drilling of well
Amount claimed: 185 gpm Absolute
Use: Domestic, recreation, fire fighting

Name of Structure: Moraine Park Well No. 3
Legal Description: In the SE 1/4 SW 1/4 of Section 33, T. 5 N., R. 73 W., whence the NE corner of Section 5, T4N, R73W, bears S 47^{o} 21' E 1600 feet.
Source: Big Thompson River
Depth of Well: 50 feet
Date of appropriation: August, 1984
Date water applied to beneficial use: September, 1984
How appropriation was initiated: Developing well
Amount claimed: 80 gpm Absolute
Use: Domestic, recreation, fire fighting

Form C(Rev.)
-1-58/2.5M

STATE OF COLORADO

APPLICATION FOR USE OF GROUND WATER

Applicant Rocky Mt. Nat'n. Park

P.O. Address P.O. Box 1086, Estes Park, Colo.

Quantity applied for 50 gpm or _____ AF Storage

Used for Domestic & Sanitary Purposes

on/at Moraine Park Campground
(legal description of land site.)

_____
Total acreage irrigated and other rts.

ESTIMATED DATA OF WELL:
Hole size: 6" in. to 200 ft.
_____ in. to _____ ft.

Casing: Plain 6 in. from 0 to 150 ft.
_____ in. from _____ to _____ ft.
Perf. 6 in. from 150 to 200 ft.
_____ in. from _____ to _____ ft.

PUMP Submersible, 3/4 HP, 2"
Type, Horsepower, Discharge size.

Use initiation date Probably not before 1963 19___.
(Use Supplemental pages for additional data)

THIS APPLICATION APPROVED

NO. _____

DATE _____, 19___

LOCATION OF WELL

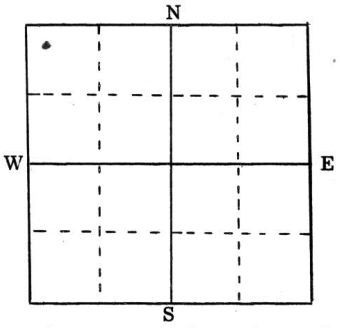
County Larimer

NW ¼, NW ¼, Sect. 32, Twp. 5N

Rge. 73W, 6 P.M. OR

_____
Street Address or Lot & Block No.

_____
Town or Subdivision



$25.00 fee required for Industrial, Commercial or Irrigation uses.

Applicant _____

Agent _____

Form E (Rev.)
9-57

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER
GROUND WATER SECTION

LOG AND HISTORY OF WELL
PERMIT NO. 11773

Drilled by Earl Reakseeker Lic. No. _____

Owner National Park Service Rocky Mountain National Park

Address P.O.Box 1086, Estes Park, Colorado

Tenant _____

Used for Domestic, Sanitary and Fire Protection

on or by Moraine Park Campgrounds
(description of site or land)

Date Started June 20, 1962

Date Completed July 12, 1962

Date Tested July 12 to 15, 1962

Yield 6.5 gpm _____ cfs

Pump type Submersible Outlet Size 2 inch

Driven by 38 HP@RPM _____

Depth to Water 7 Ft. Draw down _____ Ft.

Depth to Inlet _____ Ft.; Bowl _____ Ft.

Size and Kind of Casing:

From 0 to 13 Type 6 in. Wt. _____

From 13 to 28 Type 6 in. Wt. Perforated

From 28 to 242 Type 7 in. hole. Wt. _____

Perforations: Size and Type

From 13 to 28 Type Torch cut Size ¼ x 6

From _____ to _____ Type _____ Size _____

From _____ to _____ Type _____ Size _____

Well description: Total Depth 242 Ft.

Hole Diam. (from 0 to 28, 7 in.
(from 28 to 242, 6.5 in.
(from _____ to _____, _____ in.

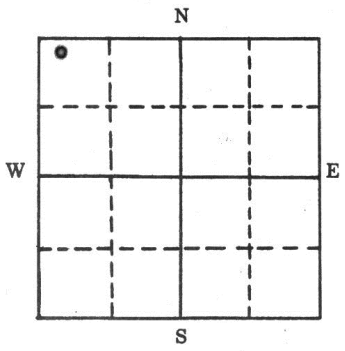
WELL LOCATION

Larimer County

N.W. ¼ of N.W. ¼ of Sect. 32

Twp. 5 North Rge. 73 W., 6 PM

LOCATE WELL ACCURATELY IN THE SMALL SQUARES REPRESENTING 40 ACRES



If the above is not applicable fill in:

_____
Town or Subdivision

_____
Street Address or Lot & Block

Ground elevation 8280 (if known)

How Drilled:

Rotary

REMARKS

Cementing, Packing, Type of Shut-off, Depth to Shut-off, etc. PUT LOG OF WELL ON REVERSE SIDE

TO BE MADE OUT IN QUADRUPLICATE: Original Blue and Duplicate Green to State Engineer's Office, White copy to Owner, and Yellow copy to Driller

LOG OF WELL
(ADD SPACES AS NEEDED)

From 0 ft. to 30 ft. Coarse Sand, Fine Gravel and some Silty Clay.

30 ft. to 185 ft. Precambrian Granite.

185 ft. to 242 ft. Soft Granite rock.

____ ft. to ____ ft.

____ ft. to ____ ft.

Total depth 242 feet.

00-00-0000: application for use of ground water at moraine park campground

Form D (Rev)
1-58

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER, GROUND WATER SECTION

RECEIVED
JUN 1 - 1962
GROUND WATER SECT.
COLORADO
STATE ENGINEER

PERMIT TO USE GROUND WATER

This permit is issued to the applicant of the address shown below authorizing use of ground water in the amount, for the use as indicated on at the location given in the application, and as of the initiation date shown

---

Form C(Rev)
1-58/2 5M

STATE OF COLORADO

APPLICATION FOR USE OF GROUND WATER

Applicant National Park Service
Rocky Mountain National Park

P.O. Address Box 1086, Estes Park, Colo.

Quantity applied for 50 gpm or ____ AF Storage

Used for Domestic & Sanitary Purposes

on/at Moraine Park Campgrounds
(legal description of land site.)

Total acreage irrigated and other rts

ESTIMATED DATA OF WELL
Hole size 6 in to 200 ft
____ in to ____ ft

Casing: Plain 6 in from 0 to 150 ft
____ in from ____ to ____ ft
Perf. 6 in from 150 to 200 ft
____ in from ____ to ____ ft

PUMP Submersible, 38 h.p., 2 inch
Type, Horsepower, Discharge size

Use initiation date ____ 19__
(Use Supplemental pages for additional data)

THIS APPLICATION APPROVED
NO. 11773
DATE June 1, 1962

LOCATION OF WELL

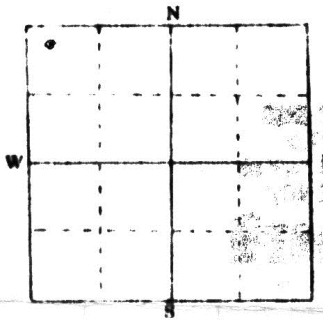
County Larimer

N.E. ¼ N.E. ¼ Sect 32 Twp 5 N.

Rge. 73 W, 6th P.M. OR

Moraine Park Area
Street Address or Lot & Block No.

Rocky Mountain National Park
Town or Subdivision



$25.00 fee required for Industrial, Commercial or Irrigation uses
Department of Interior
Applicant National Park Service

Agent
Allyn F. Hanks, Superintendent
Rocky Mountain National Park

THE ABOVE APPLICATION, BEING A PART OF THIS PERMIT, IS APPROVED AS INDICATED.

SEAL

STATE ENGINEER

By
Authorized Agent

00-00-0000: narrative regarding stead ditch and pipe line

STEAD DITCH

(Irrigation Ditch Priority No. 96; Ditch No. 61)

1. The name of this ditch is Stead Ditch. The claimant of this ditch is Myra W. Lewis, of Estes Park, Larimer County, Colorado.

2. The Stead Ditch was constructed and has been used operated and maintained for the diversion of water for irrigation purposes.

3. The natural stream from which water has been diverted by means of said ditch is the Big Thompson River.

4. The headgate of Stead Ditch is located on the south bank of the Big Thompson River at a point from whence the southwest corner of the southeast quarter of Section 32, Township 5 north, Range 73 west of the 6th P. M., bears south 19°26' east 1398.29 feet.

5. Said ditch runs in a general southeasterly direction and is approximately 1085 feet in length from the headgate; that the width of said ditch is one (1) foot on top and .8 feet on the bottom and has a depth of .8 of a foot and the grade is five (5) feet per thousand feet and has a carrying capacity of two (2) cubic feet per second of time.

6. The work of construction of said ditch was commenced on or about the 1st day of June, 1904, and was completed the same year.

7. That within a reasonable time after the completion of this ditch, water was diverted to the extent of its carrying capacity and applied to the irrigation of lands lying thereunder and water has been diverted through said ditch continuously thereafter whenever water was available therefor during the irrigation season for the irrigation of said lands.

6. As a matter of law the claimant is entitled to a decree to the effect that there be permitted to flow out of the Big Thompson River into the Stead Ditch under and by virtue of appropriation as by original construction so much water as will flow in said ditch having the dimensions as found in paragraph 5 a quantity estimated at two (2) cubic feet per second of time for the benefit of the party or parties entitled to the enjoyment thereof for use for direct irrigation purposes, with Irrigation Ditch Priority No. 96 as of the date of the 1st day of June, A. D. 1904.

WHEREFORE, IT IS ORDERED, ADJUDGED AND DECREED by the Court that for direct irrigation purposes and under and by virtue of appropriation as by original construction and for the benefit of the party or parties entitled to the enjoyment thereof, there be permitted to flow out of the Big Thompson River into the Stead Ditch so much water as will flow into said ditch to the amount of two (2) cubic feet per second of time, with IRRIGATION DITCH PRIORITY NO. 96; subject to the general and paramount provisions of this decree; the appropriation of which water took effect on, and said Priority No. 96 dates from the 1st day of June, 1904.

STEAD PIPE LINES NOS. 1 and 2.

(Domestic Priorities Nos. 5 and 7;
Ditch--Pipe Line--Nos. 5 and 8)

1. The name of these pipe lines are Stead Pipe Lines Nos. 1 and 2. The claimant of Stead Pipe Lines Nos. 1 and 2 is Myra M. Lewis of Estes Park, Larimer County, Colorado.

2. These pipe lines were constructed and have been kept operated and maintained for the diversion of water for domestic, irrigation and manufacturing purposes.

3. The source of supply for Stead Pipe Line No. 1 is a certain spring designated as Spring No. 1 and located in the Big Thompson water shed and on premises owned by claimant, at a point from whence the east quarter corner of Section 32, Township 5 north, Range 73 west of the 6th P. M., bears south 89°20' east 939.97 feet.

4. The headgate of Stead Pipe Line No. 1 is located at said Spring No. 1, at said described point.

5. That said pipe line runs in a southerly direction to a sump from which sump said water is pumped to a reservoir and from which reservoir it flows by gravity for use for domestic, irrigation and manufacturing purposes for the premises known as the Stead Hotel premises, located in the south one-half of the northeast quarter and the southeast quarter of Section 32, Township 5 north, Range 73 west of the 6th P. M.

6. That said pipe line No. 1 has an inside diameter of three inches and a carrying capacity of 17.7 gallons per minute or .0394 cubic feet per second of time.

7. The waters of said Spring No. 1 were first utilized for domestic and irrigation purposes in the year 1,75

by means of an open ditch; that sometime prior to the year 1902 said pipe line No. 1 was installed to utilize said water in place of the open ditch theretofore used; that since the construction of said open ditch, in the year 1875, and until the construction of said pipe line No. 1, water was continuously used from said Spring No. 1 for domestic and irrigation purposes; that since the construction of said pipe line and continuously thereafter, there has been diverted from said spring through said pipe line, to the full capacity of said pipe line, water for domestic, irrigation and manufacturing purposes.

8. That the source of supply of water for Stead pipe line No. 2 is a certain spring designated as Spring No. 2, and located in the Big Thompson water shed and on premises owned by claimant, at a point from whence the east quarter corner of Section 32, Township 5 North, Range 73 west of the 6th P. M., bears north 48°7' east 727.18 feet.

9. The headgate of Stead Pipe Line No. 2 is located at said Spring No. 2 at said point.

10. That said Stead Pipe Line No. 2 has an inside diameter of one inch and said pipe line is connected to a pump and from which pump outlet lines distribute said water to the said premises known as Stead Hotel premises, located in the south one-half of the northeast quarter and the southeast quarter of Section 32, Township 5 north, Range 73 west of the 6th P. M.; that the carrying capacity of said Stead Pipe Line No. 2 is 6 gallons per minute, or .0134 cubic feet per second of time.

11. The work of construction of said pipe line No. 2 was commenced on or about the 1st day of June, 1904, and was prosecuted diligently and was completed on or about the 1st day of July, 1904; that within a reasonable time after the

completion of said pipe line, water was diverted thereby to the extent of the carrying capacity of said pipe line and water so diverted was used for domestic, irrigation and manufacturing purposes and at all times since, wherever water was available therefor, water has been diverted from said spring thro[illegible] said pipe line for such purposes.

12. That as a matter of law the claimant is entitled to a decree to the effect that there be permitted to flow out of said Spring No. 1 into said Stead pipe line No. 1, under and by virtue of appropriation as by original construction of an open ditch and thereafter by virtue of construction of said pipe line, and also by virtue of said spring waters first arising on claimant's lands, so much water as will flow in said pipe line, having the dimensions as found in paragraph 6 hereof in a quantity of 17.7 gallons per minute or .0394 cubic feet per second of time for the benefit of the party or parties entitled to the enjoyment thereof for use for domestic, irrigation and manufacturing purposes, with Domestic Priority No. 5 as of the date of the 31st day of December, 1875.

13. That further, as a matter of law, the claimant is entitled to a decree to the effect that there be permitted to flow out of said Spring No. 2 into Stead Pipe Line No. 2, under and by virtue of appropriation as by original construction, and also by virtue of said spring waters first arising on claimant's lands, so much water as will flow in said pipe line having the dimensions as found in paragraph 10 hereof, in a quantity of 3 gallons per minute, or .0134 cubic feet per second of time, for the benefit of the party or parties entitled to the enjoyment thereof for use for domestic, irrigation and manufacturing purposes, with Domestic Priority No. 7 as of the first day of June, 1904.

8657

IT IS THEREFORE [illegible], ADJUDGED AND DECREED by the Court, that for domestic, irrigation and manufacturing purposes and under and by virtue of appropriation as by original construction of an open ditch and thereafter by construction of Stead Pipe Line No. 1 and for the benefit of the party or parties entitled to the enjoyment thereof, there be permitted to flow out of said Spring No. 1 into Stead Pipe Line No. 1 so much water as will flow into said pipe line from said spring No. 1, to the amount of 17.7 gallons per minute, or .0394 cubic feet per second of time, with DOMESTIC PRIORITY NO. 5, subject to the general and paramount provisions of this decree; the appropriation of which water took effect on and said Priority No. 5 dates from the 31st day of December, 1875; FURTHER, that for domestic, irrigation and manufacturing purposes and under and by virtue of appropriation as by original construction and for the benefit of the party or parties entitled to the enjoyment thereof, there be permitted to flow out of Spring No. 2 through Stead Pipe Line No. 2, so much water as will flow into said pipe line from said Spring No. 2, to the amount of 7 gallons per minute, or .0154 cubic feet per second of time, with DOMESTIC PRIORITY NO. 7; subject to the general and paramount provisions of this decree; the appropriation of which water took effect on and said Priority No. 7 dates from the 1st day of June, 1904.

903

118

BOOK 1236 PAGE 302

Recorded MAY 6 - 1963 at 10:20 o'clock A M
Reception No. 840500 James P. Thompson

CORRECTIONAL DEED

THIS CORRECTIONAL DEED, Made this 5th day of April, 1963, by and between STOPHER, INC., a Colorado Corporation, EDGAR M. STOPHER, and BETTY C. STOPHER, his wife, all as parties of the first part, and THE UNITED STATES OF AMERICA, and its successors and assigns, as the party of the second part,

WITNESSETH, that heretofore the parties of the first part by a Warranty Deed, dated September 27, 1962, recorded in Book 1184, page 144, Laramie County, Colorado Records, conveyed to THE UNITED STATES OF AMERICA the lands described in said Warranty Deed, and as a part thereof used the language "and also together with all water rights and claims for the appurtenant water systems whether decreed or otherwise," and

WHEREAS, by the use of such language pertaining to the water rights, it is not clear as to the specific water rights involved which the grantors intended to convey,

NOW, THEREFORE, the parties of the first part for themselves, their heirs, successors and assigns, by this instrument do declare that in the Warranty Deed of September 27, 1962, they intended to convey to THE UNITED STATES OF AMERICA any and all water rights, water, ditches and ditch rights-of-way, reservoirs, springs, easements and profits thereunto belonging or in anywise appertaining which are now or hereafter may be used on said lands which in any manner entitle said parties of the first part, their heirs, successors and assigns, or the lands described in said previous deed, to water for irrigation or domestic purposes on said lands, including, but not limited to, the following, to-wit:

(1) Stead Ditch, Irrigation Priority No. 96, Ditch No. 62, Water District No. 4, for Two (2) cubic feet per second of time from the Big Thompson River in Laramie County, Colorado.

BOOK 1296 PAGE 303

(2) Stead Pipeline No. 1, Domestic Priority No. 5, Pipeline No. 6, Water District No. 4, for .0394 cubic feet per second of time from Stead Spring No. 1, located on the Stead Ranch lands in Laramie County, Colorado.

(3) Stead Pipeline No. 2, Domestic Priority No. 7, Pipeline No. 8, Water District No. 4, for .0134 cubic feet per second of time from Stead Spring No. 2, located on the Stead Ranch lands in Laramie County, Colorado.

TO HAVE AND TO HOLD to THE UNITED STATES OF AMERICA, its successors and assigns, in fee simple estate forever.

IN WITNESS WHEREOF, the parties of the first part have affixed their signatures and seal on the date first above mentioned.

STOPHER, INC., a Colorado Corporation

ATTEST: By: _____
President

_____
Secretary

_____
Edgar M. Stopher

(SEAL)

_____
Betty C. Stopher, his wife

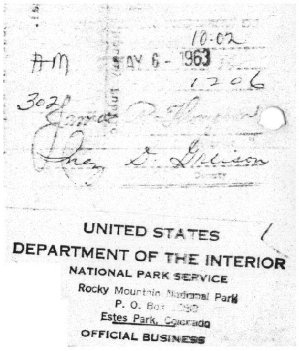
STATE OF COLORADO)
City and) ss
COUNTY OF Denver)

The foregoing instrument was acknowledged before me this 5th day of April, 1963, by Edgar M. Stopher, as President and Fred M. Winner as Secretary of Stopher, Inc., a corporation, and by Edgar M. Stopher, individually, and Betty C. Stopher, his wife.

Witness my hand and official seal.

My Commission Expires:
February 19, 1964

_____
Notary Public


MAY 6 - 1963
UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Rocky Mountain National Park
Estes Park, Colorado
OFFICIAL BUSINESS

BOOK 1184 PAGE 144

Recorded SEP 28 1962 at 11:48 o'clock A M
Reception No. 822286 C. Warren Hilford, Recorder

WARRANTY DEED

THIS DEED, Made this 27th day of September in the year of our Lord one thousand nine hundred and sixty-two between STOPHER, INC., a Colorado corporation, and EDGAR M. STOPHER, a married man and Betty C. Stopher, husband and wife, first parties, and UNITED STATES OF AMERICA and its assigns, second parties;

WITNESSETH, That the said first parties, for and in consideration of the sum of Seven Hundred Fifty Thousand and no/100 Dollars ($750,000.00) to the said first parties in hand paid by the said second parties, the receipt whereof is hereby confessed and acknowledged, have granted, bargained, sold and conveyed, and by these presents do grant, bargain, sell and convey unto the said second parties, all of the following described parcels of land, situate in the County of Larimer, State of Colorado, as set forth in Exhibit A, attached hereto and incorporated herein.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging, or in anywise appertaining, and the reversion or reversions, remainders, rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever of the said first parties, either in law or equity, of, in and to the above bargained premises with the hereditaments and appurtenances; and also together with all water rights and claims for the appurtenant water systems whether decreed or otherwise.

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances unto the said second parties. And the said first parties do covenant with the said second parties,

that at the time of the signing and delivery of this deed they are well seized of the premises above conveyed, as of a good, sure, perfect, absdute and indefeasible estate of inheritance, in law, in fee simple, and have the right, power and lawful authority to grant, bargain, sell and convey the same in manner and form aforesaid, and that the same are free and clear from all former and dher grants, bargains, sales, liens, taxes, assessments and incumbrances of whatever kind or nature soever; except the 1962 taxes, payable in 1963, and all taxes subsequent thereto; and the said first parties will WARRANT AND FOREVER DEFEND the above bargained premises in the quiet and peaceable possession of the said second parties, against all persons lawfully claiming the whole or any part thereof.

IN WITNESS WHEREOF, Stopher, Inc. and Edgar M. Stopher have set their hands and seals to these presents on this 27th day of September, 1962.

STOPHER, INC., a Colorado Corporatio

by Edgar M Stopher
President

ATTEST:

Fred M. Winner
Secretary

Edgar M Stopher
Edgar M. Stopher

Betty C. Stopher, his wife

STATE OF COLORADO]
]ss.
City and County of Denver]

The foregoing instrument was acknowledged before me this 27th day of September, 1962, by Edgar M. Stopher, as President and Fred M. Winner, as Secretary of Stopher, Inc., a corporation, and by Edgar M. Stopher, individually, and Betty C. Stopher, his wife.

Witness my hand and official seal.

My notarial commission expires:
February 19, 1964

Notary Public

81 PAGE 146 EXHIBIT A

Parcel 1: Beginning at the SE corner of the NW 1/4 of the NE 1/4 of Sec. 32, Tp. 5 N., R. 73 W. of the 6th P.M., according to dependent re-survey of part of Tp. 5 N., R. 73 W. of the 6th P.M., accepted Aug. 6, 1928, and U. S. Bureau of Land Management survey of June, 1956, thence N. 5°33' E. along subdivision line 329.6 feet; thence W. 250 feet; thence N. 5°33' E. 530 feet, thence E. 250 feet to subdivision line, thence N. 5°33' E. 177.7 feet; along the subdivision line; thence S. 89°33' W. 967.4 feet to a point which is 250 feet S. 5°54' W. of a point on the section line which is 230 feet N. 89°33' E. of the N 1/4 corner of the sec.; thence S. 5°54' W. 640 feet, thence S. 0°27' E. 200 feet; thence S. 89°33' W. 100 feet, thence N. 0°27' W. 200 feet; thence S. 89°33' W. 130 feet to quarter sec. line; thence S. 5°54' W. along quarter sec. line 229.4 feet thence S. 89°16' E. 25 feet; thence S. 49°13' E. 219.7 feet to subdivision line; thence along subdivision line S. 89°16' E. 68 feet, thence N. 0°44' E. 389.6 feet; thence S. 89°16' E. 125 feet; thence S. 0°44' W. 113 feet; thence S. 89°16' E. 161 feet; thence S. 0°44' W. 69.6 feet; thence N. 69°29' E. 289.5 feet; thence S. 89°16' E. 230 feet; thence S. 0°44' W. 312 feet to subdivision line; thence along subdivision line S. 89°16' E. 143.2 feet to place of beginning.

Parcel 2: Commencing at the N 1/4 corner of Sec. 32, Tp. 5 N., R. 73 W. of the 6th P. M., thence S. 05°54' W. along the 1/4 section line a distance of 250.0 feet; thence N. 89°33' E. parallel to the N. section line a distance of 230.00 feet; thence S. 05°54' W. parallel to the 1/4 sec. line a distance of 288.00 feet to the true point of beginning; thence N. 77°00' W. a distance of 2.5 feet; thence S. 13°00' W. a distance of 33.5 feet, thence S. 77°00' E. a distance of 6.7 feet; thence N. 05°54' E. a distance of 33.8 feet to the true point of beginning, all being located in the County of Larimer, State of Colorado.

EXHIBIT A

Re: Lots 1, 2, 3, and 4 in Sec. 6, Tp. 4 N., R. 73 W. of the 6th P.M.; also the S. 1/2 of the SW 1/4 Sec. 29; the SE 1/4 of the SE 1/4 of Sec. 30; the N. 1/2 of the NE 1/4 Sec. 31; the SE 1/4 of Sec. 32 except 15.5 acres conveyed to Workman by deed recorded in Book 160 at Page 294; Also beginning 33 feet W. of the SE corner of the NE 1/4 of Sec. 32, thence N. 660 feet, thence W. 1,650 feet, thence S. 660 feet, thence E. 1650 feet to the beginning, except 1/5 acre conveyed to Collins by deed recorded in Book 358 at Page 171, all being in Twp. 5 N., R. 73 W. of the 6th P.M., Larimer County, Colorado, except that portion described by deed recorded in Book 986 at Page 180.

Re: That portion of the NE 1/4 of the SW 1/4 and that portion of the SE 1/4 of NW 1/4 of Section 31, Tp. 5 N., R. 73 W. of the 6th P.M. described as follows:

Beginning at a point from which the center 1/4 corner of said Sec. bears S. 78°53' E. 5.469 chains, thence S. 7.27 chains, thence W. 3.049 chains, thence N. 27°24' W. 8.189 chains, thence E. 6.818 chains to the point of beginning, County of Larimer, State of Colorado.

Re: That portion of the SE 1/4 of Sec. 32, Tp. 5 N., R. 73 W. of the 6th P.M. commencing 540 feet E. and 800 feet S. of the NW corner of the SE 1/4, thence S. 450 feet, thence W. 210 feet, thence N. 150 feet, thence E. 40 feet, thence N. 300 feet, thence E. 170 feet to the point of beginning, Larimer County, Colorado

The above land is being acquired for the United States Department of the Interior, National Park Service

Copy mailed to
H. C. Whittemore, Morrison
Denver, Colo. and Lamont
Canfield 2/24/38.

OWNERSHIP OF DITCHES

DISTRICT No. 4

COLORADO

Priority No.	Name of Ditch	Owner	Address
1	Osborne & Caywood - Little Thompson	5 or 6 owners	
2	Big Thompson No. 1	Big Thompson Ditch & Mfg. Co.	Loveland, Colo.
3	Big Thompson No. 2	Big Thompson Ditch & Mfg. Co.	Loveland, Colo.
4	Marianna - Big Thompson	Abandoned	
4-1/2	Hollowell- Big Thompson	Hollowell Estate (decreed to him in Farmers Ditch); four children - (3 sons and daughter)	
		Guy Hollowell	Loveland, Colo.
		Bill Hollowell	Loveland, Colo.
		--	
		Mrs. Nadine Parks) Mrs. Arthur Parks)	Loveland, Colo.
5	Big Thompson No. 2	Big Thompson Ditch & Mfg. Co.	Loveland, Colo.
5-1/2	Farmers - Big Thompson	Farmers Irrigation & Reservoir Co. (T.M.McKee, Pres.)	Loveland, Colo.
6	Handy - Big Thompson	Handy Ditch Co.	Berthoud, Colo.
7	Loveland & Greeley - Big Thompson	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
8	Loveland / Barnes - Big Thompson	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
9	Big Thompson & Platte River B-T	Big Thompson & Platte River Ditch Co. (Walter Daniels, Secy.)	Milliken, Colo.
10	Rist & Goss B-T	C. G. Buckingham	Boulder, Colo.
11	Blower Ditch No. 2 L-T	Blower Ditch Co.	Berthoud, Colo.
12	Hill & Brush B-T	Hill & Brush Ditch Co. (N.R.Lee, Pres. & Supt.)	Johnstown, Colo.
13	Big Thompson No. 2	Big Thompson Ditch & Mfg. Co.	Loveland, Colo.

Priority No.	Name of Ditch	Owner	Address
14	Culver - Little Thompson	Hervey Cole	Longmont, Colo.
15	Loveland & Greeley B-T	Loveland & Greeley Irr. & Res. Co.	Greeley, Colo.
16	Lykins - Little Thompson	Lykins Estate	Longmont, Colo.
17	Farmers - Big Thompson	Farmers Irrigation & Reservoir Co. (T.M.McKee, Pres.)	Loveland, Colo.
18	Blower No. 1 - Little Thompson	Blower Ditch Co.	Berthoud, Colo.
19	Lykins - Little Thompson	Lykins Estate	Longmont, Colo.
20	Jim Eglin L-T	Jim Eglin Ditch Co. (John Everhart, Pres.)	
21	Loveland & Greeley - Big Thompson	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
21-½	Evans - Big Thompson	Evans Town Ditch - Mayor or City Council	
22	Louden - Big Thompson	Louden Ditch & Reservoir Co. (Robt. Benson, Pres.)	Loveland, Colo.
23	Jim Eglin L-T	Jim Eglin Ditch Co. (John Everhart, Pres.)	
24	Big Thompson No. 2	Big Thompson Ditch & Mfg. Co.	Loveland, Colo.
25	Geo. Rist B-T	Home Supply Ditch & Res. Co. (L.H.Fagan, Secy.)	Berthoud, Colo.
25-1/2	Loveland & Greeley B-T	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
26	Barnes - Big Thompson	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
26⅓	Kerchner B-H	Phil Smith (on Ranch Buckhorn Creek, 17 mi. west of Loveland.)	
27	Perkins B-H	J.M.Mason Estate (widow now Mrs. Sam. Steel, on farm.)	
28	Hillsboro - Big Thompson	Hillsboro Ditch Co.	Johnstown, Colo.
29	Meining - Little Thompson	Abandoned	
30	Osborn & Caywood - Little Thompson	5 or 6 owners	
31	Rist & Goss B-T	C. G. Buckingham	Boulder, Colo.
32	Culver - Little Thompson	Hervey Cole	Longmont, Colo.
33	Boulder & Larimer Co.- Little Thompson	Boulder & Larimer County Ditch & Reservoir Co. (Dr. McCarthy?)	Berthoud, Colo.

Priority No.	Name of Ditch	Owner	Address
34	Blower No. 1 - Little Thompson	Blower Ditch Co.	Berthoud, Colo.
35	Big Thompson & Platte River -Big Thompson	Big Thompson & Platte River Ditch Co. (Walter Daniels, Sec.)	Milliken, Colo.
36	Eagle L-T	Eagle Ditch Co. (Not used much)	Berthoud, Colo.
37	Boulder & Larimer Co. L-T	Boulder & Larimer County Ditch & Reservoir Co.	Berthoud, Colo.
38	Louden - Big Thompson	Louden Ditch & Reservoir Co. (Robt. Benson Pres.)	Loveland, Colo.
39	Handy - Big Thompson	Handy Ditch Co.	Berthoud, Colo.
40	Hillsboro - Big Thompson	Hillsboro Ditch Co.	Johnstown, Colo.
41	Farmers - Big Thompson	Farmers Irrigation & Reservoir Co. (T.M. McKee, Pres.)	Loveland, Colo.
42	Loveland & Greeley - Big Thompson	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
43	Supply Lateral Ditches L-T	Hervey Cole	Longmont, Colo.
44	Neville No. 1 (several users) B-H	George Kroh (crow)	Loveland, Colo. (nursery, 1mile out.)
45	Perkins B-H	J. M. Mason Estate (widow now Mrs. Sam. Steel, on farm.)	
46	Buffum B-H	Bert Thompson	Masonville Route
47	South Side B-T	South Side Ditch & Reservoir Co. (--Green, Pres; Nellie Brown, Secy.)	Loveland, Colo. (on First St. Road.)
48	Loveland & Greeley - Big Thompson	Loveland & Greeley Irrigation & Reservoir Co.	Greeley, Colo.
47½	Handy - Big Thompson	Handy Ditch Co.	Berthoud, Colo.
49	Perkins B-H	J. M. Mason Estate (widow now Mrs. Sam. Steel, on farm.)	
50	Home Supply B-T	Home Supply Ditch & Reservoir Co. - Geo. Lee, Pres.	Loveland, Colo.
51A	Hillsboro - Big Thompson	Hillsboro Ditch Co.	Johnstown, Colo.
51B	Louden - Big Thompson	Louden Ditch & Reservoir Co. (Robt. Benson, Pres.)	Loveland, Colo.
52	Carter or Neville No. 2 B-H	See Kroh as to who to notify	

Priority No.	Name of Ditch	Owner	Address
53	Farrar - Buckhorn	See Kroh as to who to notify	
54	Estes Park- B-T	Irrigates hay meadows. See Carl Sanborn	
55	Rutherford - Buckhorn	See Sam Steel	Near Masonville, Colo.
56	Black Canyon- F-R	McGraw (or McGregor) Ranch	Estes Park, Colo.
57	Jones - Fall River		
58	Hupp - Beaver Creek		
59	Estes Park No. 5 F-C	See Steads	
60	Estes Park No. 6 F-C Horseshoe Park	Abandoned - possibly was Hondius.	
61	Victory - Buckhorn	Victory Ditch Co. (Peter Fink, Mgr.)	Loveland, Colo. (Masonville Route)
62	Estes Park No. 2, B-T	See Carl Sanborn	
63	No ditch		
64	Estes Park No. 3, B-C	See Carl Sanborn	
65	Estes Park No. 4 B-T	See Carl Sanborn	
66	Rockwell Ditch & Pumping Plant L-T	Rockwell Ditch Co. John Cook, Mgr.	Berthoud, Colo.
67	Buckhorn Highline B-H	Phil Smith	Loveland, Colo.
68	Horseshoe - Fall River		
69	Victory - Buckhorn	Victory Ditch Co. (Peter Fink, Mgr.)	Loveland, Colo. (Masonville Route)
70	Bee Line - Little Thompson	Walter Daniels, (Controlled by Big Thompson & Platte River Ditch Co.	Milliken, Colo.
71	Cleave - Fall River	See Carl Sanborn	
72	Dry Creek D-C	(Use at old Ed Clark place - private ditch)	
73	Union - Buckhorn	Union Ditch Co. - Smith (different ones) See C. G. McWhorter	Masonville Route
74	Carter - Buckhorn	See Kroh as to who to notify	
75	Dolph - Little Thompson	Don't know - just garden	
76	Union - Buckhorn	Union Ditch Co. See C. G. McWhorter	Masonville Route
77	Huff - Little Thompson	Private - unknown	
78	Miner & Langdon L-T	Hillsboro Ditch Co. has charge	Johnstown, Colo.
79	Mix Carter - Buckhorn	See Kroh as to who to notify	
80	Griffith - Little Thompson	Small ditch - unknown	
81	Ground - Little Thompson	Small ditch - unknown	

No.		
1	Osborn & C-L-T 6-1-61	3.12
2	Big T No 1 B-T 11-10-61	96.50
3	" " " 2 " 4-1-63	34.02
4	Marianna B-T 5-1-63	3.12
4	1/2Hollowell B-T 6-1-63	1.50
5	Big T No 2 B-T 5-1-64	37.01
5	1/2 Farmers B-T 5-1-64	5.72
6	Handy B-T 2-25-65	20.00
7	Loveland & G-B-T 10-20-65	18.56
8	" Barnes B-T 11-1-65	8.36
9	Big T & PR B-T 11-18-65	33.00
10	Rist & G B-T 3-20-66	6.11
11	Blower No 2 L-T 5-31-66	6.24
12	Hill & B B-T 6-30-66	61.80
13	Big T No 2 B-T 3-1-67	65.47
14	Culver L T 4-15-67	19.50
15	Loveland & G B-T 6-1-67	12.06
16	Lykins L-T 5-1-68	1.17
17	Farmers B-T 6-1-68	2.60
18	Blower No 1 L-T 4-1-69	27.30
19	Lykins L-T 5-3-69	4.03
20	Jim Eglin L-T 5-31-69	0.18
21	Loveland & G B-T 10-20-70	39.04
21	1/2 Evans B-T 4-20-71	29.28
22	Louden B-T 10-1-71	40.00
23	Jim Eglin L-T 4-15-72	3.46
24	Big T No 2 B-T 5-1-72	9.75
25	Geo Rist B-T 5-1-73	195.00
25	1/2 Lov & G B-T 6-23-73	19.93
26	Barnes B-T 10-25-73	35.50
26	1/2 Kerchner B-H 6-1-74	6.81
27	Perkins B-H 6-15-74	2.60
28	Hillsboro B-T 10-15-74	8.25
29	Meining L-T 10-20-74	1.40
30	Osborn & C L-T 3-10-75	16.64
31	Rist & G B-T 4-15-75	80.07
32	Culver L-T 4-30-75	19.50
33	Boulder & L C L-T 6-30-75	27.20
34	Blower No I L-T 5-1-76	17.63
35	Big T & P R B-T 5-15-76	86.18
36	Eagle L-T 3-1-77	15.60
37	Boulder & L Co L-T 5-20-77	39.52
38	Louden B-T 11-1-77	154.30
39	Handy B-T 2-28-78	31.20
40	Hillsboro B-T 4-15-78	99.46
41	Farmers B-T 8-1-78	54.08
42	Loveland & G B-T 11-1-78	15.20
43	Supply Lat L-T 11-30-78	35.57
44	Neville No I B-H 4-25-79	3.12
45	Perkins B-H 6-15-79	9.50
46	Buffum B-H 6-28-79	2.60
47	South Side B-T 11-7-80	50.30
47	1/2 Handy B-T 12-15-80	141.23
48	Loveland & G B-T 4-1-81	297.44
49	Perkins B-H 6-9-81	4.47
50	Home S B-T 6-15-81	278.84
51	Hillsboro B-T 10-8-81	43.62
51B	Louden B-T 9-17-83	123.48
52	Carter B-H 4-1-69	2.00
53	Farrar " 4-5-69	2.50
54	Estes Park B-T 5-15-70	7.00
55	Rutherford B-H 5-15-72	3.00
56	Black C F-R 4-1-76	5.00
57	Jones F-R 4-30-76	5.00
58	Hupp B-C 5-5-76	4.00
59	Estes P No 5 F-C 5-15-76	6.90
60	" P #6 " " 1-2-79	13.20
61	Victory B-H 3-15-79	12.00
62	Estes P No 2 B-T 5-15-79	12.00
63	No Ditch----------	
64	Estes P #3 B-C 5-15-80	7.00
65	" " #4 B-T 5-15-82	3.20
66	Rockwell Ditch L-T 10-1-83	21.00
	& Pumping Plant	
67	Buckhorn H L B-H 10-25-83	9.00
68	Horseshoe F-R 5-1-86	5.00
69	Victory B-H 3-1-87	6.00
70	Bee Line L-T 5-31-87	40.00
71	Cleave F-R 6-20-88	4.00
72	Dry C D-C 6-10-89	5.00
73	Union B-H 10-1-89	2.00
74	Carter " 11-30-89	5.00
75	Dolph L-T 4-1-90	3.89
76	Union B-H 10-1-91	10.00
77	Huff L-T 7-1-92	2.89
78	Miner & L L-T 8-23-93	40.00
79	Carter B-H 10-10-96	2.80
80	Griffith L-T 6-20-98	4.00
81	Ground L-T 5-10-1900	3.00

(Taken from Records of State Engineer)

	Domestic No 3 Loveland Pipeline B-T 4-2-01	2.50
82	Huppe L-T (Soda Springs) 7-12-09	8.40
	Domestic No 4 Greeley-Boulder Pipe Line 5-1-27	0.26

Transfer To Handy	Ditch
#1 to Berthoud	7.14
#2 " Handy	6.
#6 " "	20.
Total	33.14

Transfer To: Home Supply Ditch	
#1 Home Supply Ditch	14.78
#2 Johnstown	10.00
#2 Home Supply Ditch	46.00
Total	70.78

Transfer To South Side Ditch	
#2 " " "	6.00

Transfer to Louden Ditch	
#1 " "	6.89

Transfer to Farmers Ditch.	
#1 Zenas McCoy	3.00
#1 Parish	1.00
#2 Petre Place	3.00
#2 Tom McKee	2.66
#2 Uric & J	1.70
Total	11.36

	Transfer to Hillsboro Ditch			
#1	"	"	28	CF
1	"	"	14	
1	"	"	3.89	
1	"	"	5	
1	"	"	1	
1	"	"	3	
1	"	"	3.50	
1	"	"	1.89	
1	"	"	2	
1	"	"	1.75	
	Total		64.03	

63.25

No 1 Reservoir Home Supply or Lone Tree

February 1st 1881

Capacity 400,000,000 Sec. Feet

Rod 24.3 Decreed 321 Sec. Feet

Area 536 Acres

#2 Louden or Donath Reservoir
February 24th, 1883 Capacity 50,000,000 Sec. Ft.
Decreed 194.30 Second Ft.
Area 63.32 Acres Rod 28 Ft.

#3 Marianna Res August 1st 1888
Capacity 200,000.00 Cu. Ft.
Rod 22.2 195.00 Cubic Feet
Area 373 Acres

#4 Boulder & Larimer County Reservoir

June 30th 1875	54,077,880
May 20th 1877	24,088,680
Sept. 16th 1890	32,739,200
Jan. 4th 1904	208,989,240
Total	319,895,000

Rod 35 Feet
Area 384 Acres

#6 Culver Reservoir Dec 1st. 1881
Capacity 6,446,880 Cu Ft.
Area 37.07 Acres Rod 8.56

#7 Rockwell Reservoir 10.10.1885
Capacity 11,176,624 Two Filings
Area 31.10 Acres Rod 9.16 Ft
Proposed Enlargement to Add Additional Rod of 6 Ft with total capacity of 22,000,000 Cubic Feet

#9 Loveland & Greeley Reservoir January 14th, 1893. Capacity 620,239,214 Cu Ft. Rod at high water line 41 feet. Area 471.50 acres.

#10 Little Thompson Reservoir, October 20th 1896. Capacity 42,469,120 Area 56 Acres Rod 18.30

#11 Miller & Rockwell Reservoir. August 1st 1900. Capacity 107.647 Cubic Feet. Area 0.80 Acres Rod 5.90 Feet.

#12 Seven Lakes Reservoir. April 28th, 1902. Capacity 367,300,000. Rod 17 Ft. Area 717.10 Acres

#13 Boyd Lake Reservoir. April 28, 1902. Rod 38 Ft. Area 2022.20 Acres. Capacity 1,918,000,000 Cubic Feet

#14 Lawn Lake Reservoir, June 10th, 1902. Rod 24 Feet. Capacity 33,088,100 Cubic Feet.

#15 Ryan Gulch Reservoir. April 12th, 1904. Rod 31 Ft. Capacity 39,823,910 Cubic Feet. Area 80 Acres 913.3 Acre Feet.

#16 South Side Reservoir. April 13th, 1904. Rod 25 Feet. Capacity 28,491.013 Cubic Feet. 654.2 Acre Feet

#17. Buckhorn Reservoir. May 2d 1906. Rod 29.3 Capacity 51,816,431 Cubic Feet. Area 81 Acres.

Handy Ditch June 1933
J. E. Whitten Ry.

.1	3	1.6	94
.2	7	1.7	102
.3	11	1.8	110
.4	15	1.9	118
.5	20	2.0	126
.6	25	2.1	135
.7	31	2.2	143
.8	37	2.3	151
.9	43	2.4	159
1.0	50	2.5	167
1.1	57	2.6	175
1.2	64	2.7	183
1.3	71	2.8	191
1.4	78	2.9	198
1.5	86	3.0	205

South Side Ditch
Burgess & Whitten 1932

0.1	1
0.2	3
0.3	5
0.4	7
0.5	10
0.6	14
0.7	18
0.8	22
0.9	26
1.0	29
1.1	33
1.2	36
1.3	39
1.4	42
1.5	45
1.6	48

Home Supply Ditch
J. Whitten June, 1933.

.1	3	2.1	156
.2	6	2.2	166
.3	10	2.3	176
.4	14	2.4	186
.5	19	2.5	195
.6	24	2.6	203
.7	29	2.7	211
.8	35	2.8	219
.9	41	2.9	226
1.0	47	3.0	233
1.1	55	3.1	240
1.2	64	3.2	247
1.3	73	3.3	253
1.4	82	3.4	259
1.5	91	3.5	265
1.6	100	3.6	272
1.7	110	3.7	276
1.8	122	3.8	281
1.9	134	3.9	286
2.0	145	4.0	291

Louden Ditch River Flume.
Burgess & Whitten 1932

0.10	3
0.20	6
0.30	11
0.40	16
0.50	22
0.60	29
0.70	37
0.80	47
0.90	58
1.00	69
1.10	79
1.20	89
1.30	98
1.40	106
1.50	114
1.60	122
1.70	130
1.80	138
1.90	146
2.00	153
2.10	160
2.20	167
2.30	174
2.40	181
2.50	188
2.60	195
2.70	202
2.80	209
2.90	216
3.00	223

Louden Ditch at Buckhorn
Burgess & Whitten 1932

0.10	1
0.20	3
0.30	6
0.40	9
0.50	13
0.60	18
0.70	23
0.80	29
0.90	35
1.00	42
1.10	49
1.20	57
1.30	65
1.40	73
1.50	81
1.60	90
1.70	99
1.80	108
1.90	117
2.00	126
2.10	135
2.20	144
2.30	154
2.40	164
2.50	174
2.60	184
2.70	194
2.80	204
2.90	214
3.00	224

George Rist Ditch
J. E. Whitten June 1933

.1	9	1.6	83
.2	13	1.7	88
.3	18	1.8	93
.4	23	1.9	98
.5	28	2.0	103
.6	33	2.1	108
..7	38	2.2	114
.8	43	2.3	120
.9	48	2.4	126
1.0	53	2.5	132
1.1	58	2.6	138
1.2	63	2.7	144
1.3	68	2.8	151
1.4	73	2.9	158
1.5	78	3.0	166
	3.1	174	
	3.2	183	

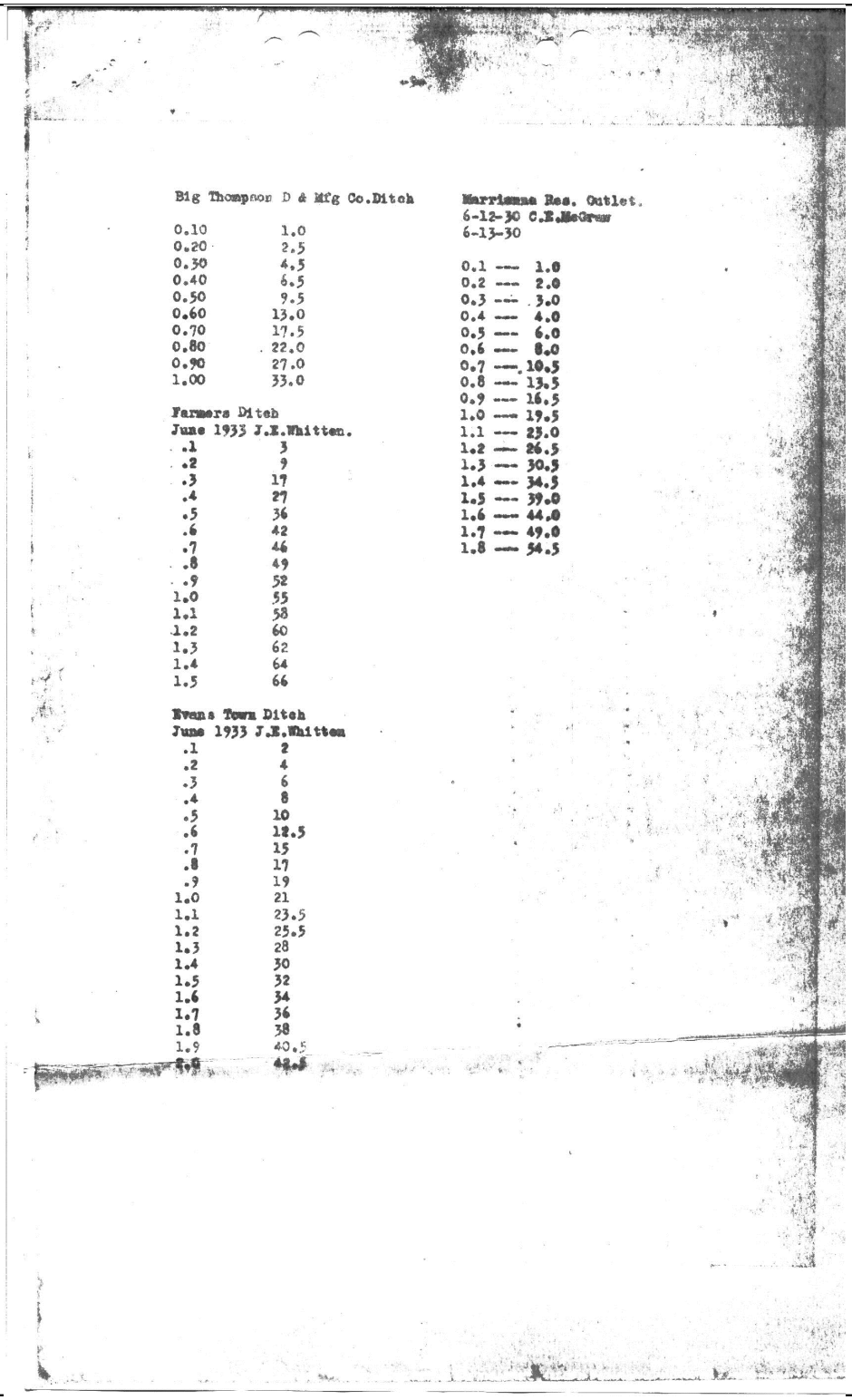
Barnes Canal
June 1933. J.E.Whitten

.1	5	2.1	219
.2	15	2.2	233
.3	25	2.3	248
.4	35	2.4	264
.5	45	2.5	280
.6	55	2.6	296
.7	65	2.7	312
.8	75	2.8	328
.9	85	2.9	345
1.0	95	3.0	362
1.1	105	3.1	380
1.2	115	3.2	398
1.3	125	3.3	416
1.4	135	3.4	434
1.5	145	3.5	452
1.6	156	3.6	471
1.7	167	3.7	490
1.8	178	3.8	510
1.9	191	3.9	530
2.0	205	4.0	550

Rist & Goss Ditch

Loveland-Greeley Ditch
June 1933 J.E.Whitten

.1	12	1.6	165
.2	22	1.7	176
.3	32	1.8	187
.4	42	1.9	198
.5	52	2.0	209
.6	62	2.1	220
.7	72	2.2	232
.8	82	2.3	245
.9	92	2.4	258
1.0	102	2.5	271
1.1	112	2.6	285
1.2	122	2.7	300
1.3	132	2.8	315
1.4	143	2.9	331
1.5	154	3.0	348



Big Thompson D & Mfg Co.Ditch

0.10	1.0
0.20	2.5
0.30	4.5
0.40	6.5
0.50	9.5
0.60	13.0
0.70	17.5
0.80	22.0
0.90	27.0
1.00	33.0

Farmers Ditch
June 1933 J.E.Whitten.

.1	3
.2	9
.3	17
.4	27
.5	36
.6	42
.7	46
.8	49
.9	52
1.0	55
1.1	58
1.2	60
1.3	62
1.4	64
1.5	66

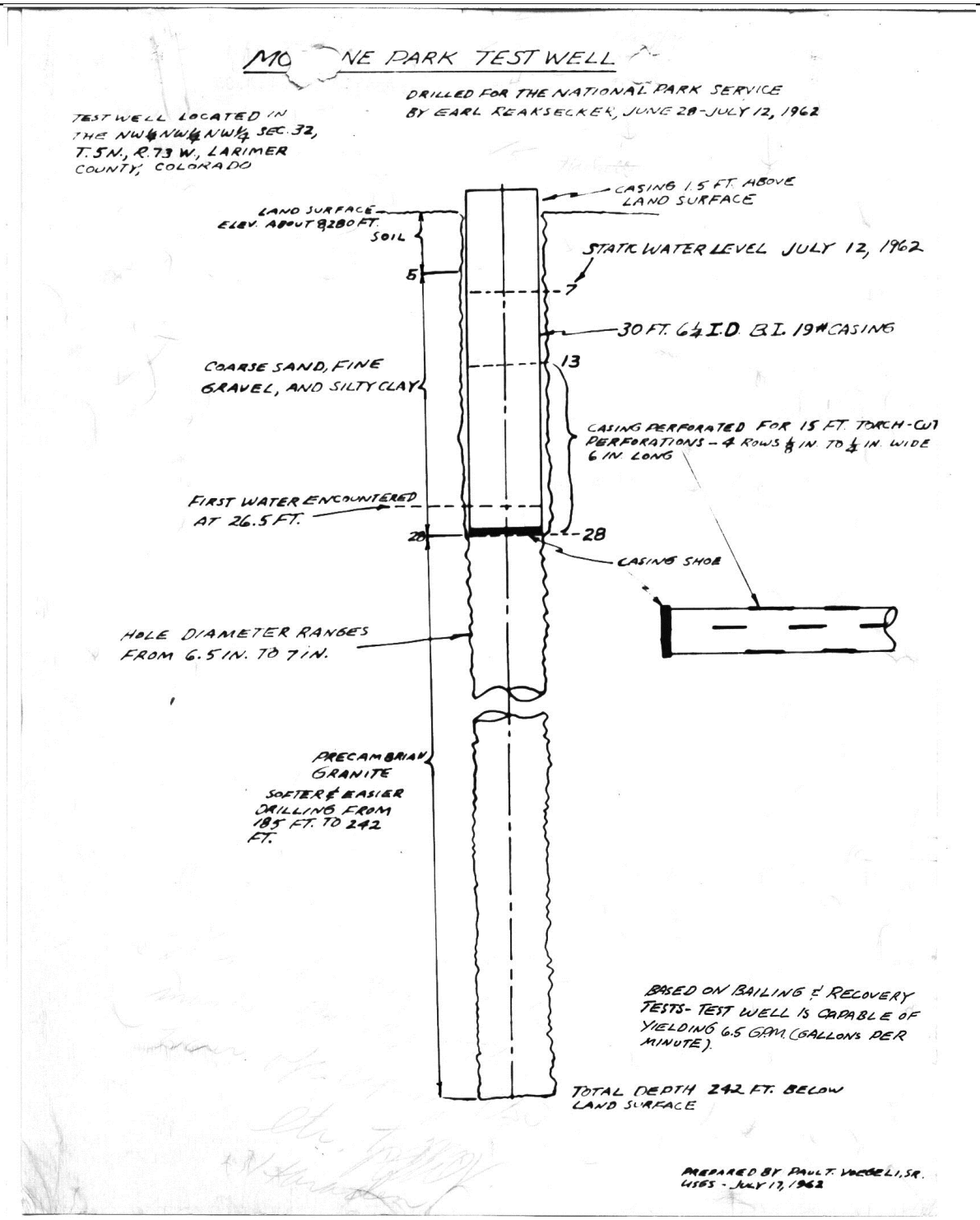
Evans Town Ditch
June 1933 J.E.Whitten

.1	2
.2	4
.3	6
.4	8
.5	10
.6	12.5
.7	15
.8	17
.9	19
1.0	21
1.1	23.5
1.2	25.5
1.3	28
1.4	30
1.5	32
1.6	34
1.7	36
1.8	38
1.9	40.5
2.0	42.5

Harrisonna Res. Outlet.
6-12-30 C.E.McGraw
6-13-30

0.1 ---	1.0
0.2 ---	2.0
0.3 ---	3.0
0.4 ---	4.0
0.5 ---	6.0
0.6 ---	8.0
0.7 ---	10.5
0.8 ---	13.5
0.9 ---	16.5
1.0 ---	19.5
1.1 ---	23.0
1.2 ---	26.5
1.3 ---	30.5
1.4 ---	34.5
1.5 ---	39.0
1.6 ---	44.0
1.7 ---	49.0
1.8 ---	54.5

Supporting Hydro Data



Other Supporting Information

Docket No. 48

S T E A D S D I T C H

USE

Irrigation

Headgate

Point of diversion is on the south bank of the Big Thompson River at a point from whence the southwest corner of the southeast quarter of Sec. 32, Township 5N R73W of the 6th P.M. bears south 19° 26' east 1,398.29 feet.

PRIORITY

Irrigation Ditch Priority No. 96, as of June 1, 1904, in accordance with a Decree of the Colorado District Court, dated June 5, 1939.

AMOUNT OF DECREE

Two (2) cubic feet of water per second of time.

OWNERSHIP

Owned by the United States. Acquired by purchase from Stopher, Inc. and Edgar M. Stopher, September 27, 1962.

MAPS

Filing 16602 accepted by State Engineer of Colorado on June 5, 1939.

FEB 17 1967

05-23-1963: memorandum to regional director, midwest region from chief, branch of water resources regarding water rights, stead

E. O. D. C.
MAY 24 1963
Chief
Admin.
Program
Land. Affairs
Eng.
Arch.
R. A.
Action Taken:

May 23, 1963

154-RLH

Memorandum

To: Regional Director, Midwest Region

From: Chief, Branch of Water Resources

Subject: Water Rights, Steads Ranch, Docket No. 48, Rocky Mountain

By letter of March 21 Superintendent Hanks requested of Mr. Edgar M. Stopher the execution of a supplementary deed clarifying the conveyance of water rights with the Steads Ranch acquisition. No record of compliance has reached the Real Estate or the Water Resources Branch.

When this deed has been obtained a copy should be filed in each folder of Docket No. 48. Receipt of our copy would serve to advise the interested offices here of the outcome of this matter.

SIGNED

E. W. Reed

W O D C
MAY 27 1963
CHF
ADM
PERS
P & P
ARCH
ENGR
L. A.
SPEC
CONT
SFTY
HABS
ACTION TAKEN - DATE

cc:
Superintendent, Rocky Mountain
Chief, WODC (2)

WODC

Hanks

Hornbeck 5/29
Hunter
now.

05-23-1963: memorandum to superintendent from hydraulic engineer regarding water rights steads ranch, estes park ditch no. 5

W O D C
MAY 27 1963
CHF
ADM
PERS
P & P
ARCH
ENGR
L. A.
SPEC
CONT
SFTY
HABS
ACTION TAKEN - DATE

L54 ROMO

MAY 23 1963

Memorandum

To: Superintendent, Rocky Mountain

From: Hydraulic Engineer

Subject: Water Rights Steads Ranch, Estes Park Ditch No. 5, Rocky Mountain

Mr. Dunn in his memorandum of January 7, copy to your office, suggests that Stead had acquired Estes Park Ditch No. 5 and appurtenant decreed irrigation Priority No. 59 of May 15, 1876, to the waters of Fish Creek in Section 6, T. 4N., R. 72 W., and the location may be in error.

Please check the Water District No. 4 records for the ownership and status of Estes Park Ditch No. 5, if the point of diversion was changed by decree to a ditch on Stead's Ranch. Also, determine the correct location and Water District number.

Enclosed is a new docket folder with some corrections and additions noted on the tab of the docket. Please replace the old docket folder with the one enclosed.

SIGNED
SIGNED

William A. Mott
Hydraulic Engineer

Enclosures

cc: The Director - In duplicate, w/enclosures
✓Chief, WODC - In duplicate, w/enclosures

Rocky Mountain National Park
and
Shadow Mountain National Recreation Area
P. O. Box 1080, Estes Park, Colorado

L1425
(Stopher)

May 16, 1963

Memorandum

To: Regional Director, Midwest Region

From: Superintendent, Rocky Mountain

Subject: Correctional Deed Steads Ranch Water Rights, Tract 204, Docket 48

We enclose a fully executed and recorded, correctional deed conveying Steads Ranch water rights to the United States.

(Signed) Allyn F. Hanks

Allyn F. Hanks

In triplicate

Enclosure

ROCKY MTN. NATL. PARK

MAY 17 3 36 PM '63

L54

2	Supt.
1	~~Asst. Supt.~~
	Mgmt. Asst.-E
	Mgmt. Asst.-W
3	~~Engineer~~
	Adm. Officer
	Chief Ranger
	Naturalist
4	~~Idsep. Arch~~
	Action Taken
5	Files

MAY 16 1963

Memorandum

To: The Director

From: Acting Assistant Regional Director, Midwest Region

Subject: Relocation of Moraine Campground Site closer to the Former Stead Ranch Spring, Rocky Mountain

Mr. Reed's May 2 memorandum questions the possibility of moving the proposed Moraine Campground Site closer to the former Stead Ranch Spring, if same is to be used as a source of water supply.

This office believes any such move of the campground site would encroach upon the Meadows area and would be undesirable; hence, if the spring water supply is used, it will be by an extended pipeline from the campground.

(Sgd) Harry B. Robinson

Acting Assistant Regional Director

cc: Superintendent, Rocky Mountain
Chief, WODC - In duplicate

05-14-1963: memorandum to district engineer, branch of ground waters, us geological survey, federal center, denver from acting a

ROCKY MTN. NATL. PARK

MAY 16 3 27 PM '63

154 (Moraine Park docket)

2	Supt.
1	Asst. Supt.
4	Mgmt. Asst.-E
	Mgmt. Asst.-W
3	Engineer
	Adm. Officer
	Chief Ranger
	Naturalist
	Idscp. Arch.
	Action Taken
5	Files

MAY 1 4 1963

Memorandum

To: District Engineer, Branch of Ground Waters, U. S. Geological Survey, Federal Center, Denver, Colorado

From: Acting Assistant Regional Director, Midwest Region

Subject: Administrative Geological Report - "Prospects for Obtaining a Water Supply at Moraine Park Campground Site, Rocky Mountain National Park, Colorado

The copy of subject administrative report, prepared by Mr. Paul T. Voegeli, has been reviewed by all concerned and we hereby consent to its release to open file.

However, we would appreciate five copies of the final approved report for our files, which will supersede and replace the copies you sent us on March 5, 1963. Your services in connection with this report are greatly appreciated.

(Sgd) Harry B. Robinson

Acting Assistant Regional Director

cc: Director
Superintendent, Rocky Mountain
Chief, WODC - In duplicate

WAMott:fh

ROCKY MTN. NATL. PARK

MAY 6 3 41 PM '63

May 2, 1963

L54-RLW

Memorandum

To: Regional Director, Midwest Region

From: Chief, Branch of Water Resources

Subject: U. S. Geological Survey report by P. T. Voegeli, "Prospects for obtaining a water supply at the Moraine Park Campground Site," Rocky Mountain

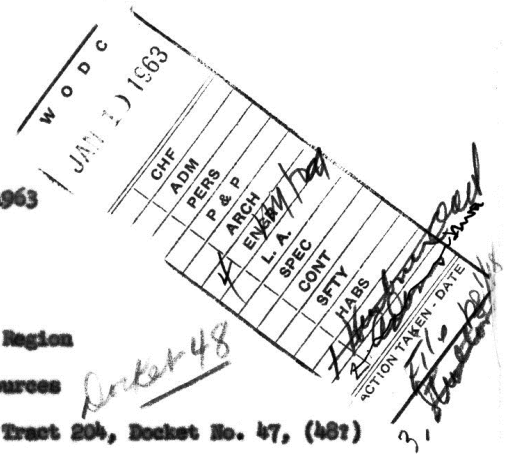
The copy of Mr. Voegeli's report, transmitted by Mr. Robinson's memorandum of April 19, has been received and reviewed here. We agree with Mr. Robinson's comments that the yield of the test well is very disappointing and that a supply probably will have to be developed from one of the springs. It is noted that the "general location of proposed Moraine Park Campground is shown in figures 1 and 2 as the NW¼ of sec. 32. With the acquisition of the Stead Ranch, is there any possibility of moving the proposed site closer to the springs on the ranch?

Your memorandum of March 21 states that the Regional Office believes the report to be acceptable for release to the open file. This Office has no objections to such release, so please inform the Denver office of the Geological Survey to this effect. However, copies of the final approved report should be obtained from the Denver office of the Geological Survey to supply the Regional Office, the Park, WODC, and this Office with copies.

We are not sure whether you intended for us to keep the copy of the report. In order to complete our report file we will retain the subject copy unless otherwise advised.

SIGNED
E. W. Reed

cc:
Superintendent, Rocky Mountain
Chief, WODC (2)



L54-

January 7, 1963

Memorandum

To: Regional Director, Midwest Region

From: Chief, Branch of Water Resources

Docket 48

Subject: Water Rights, Stead Ranch, Tract 204, Docket No. 47, (48?)
Rocky Mountain

The subject docket, which was forwarded with Mr. Johnson's memorandum of December 31, 1962, should be reviewed and amplified.

This should evidently be Docket No. 48, since Docket No. 47 for the water well, Application No. 9523, in the Harbison Meadow, was distributed with the memorandum of May 10, 1962, from Acting Regional Chief of Operations.

In your agenda for the recent water rights school at Rocky Mountain it was stated, I believe correctly, that no water right is appurtenant to the land in Colorado, and title does not pass with the land unless specifically indicated. The deed of September 27, 1962, from Edgar and Betty Stopher, does not recite the decreed rights and water systems through which they have been exercised, in accordance with the requirements we had prescribed in such other acquisitions as the properties of Jack Wood-Rocky Mountain Boys Camp, Docket No. 24 and others. The Field Solicitor will probably agree that a supplemental deed to the water rights should be obtained.

Also note that the Stead Ditch decree in the docket granted Priority No. 96, and not "6, 8" as shown on the tab of the docket, and was designated as number 62 in Water District No. 4. The tab should also indicate that this right was to about 2.0 c.f.s. with priority of June 1, 1904.

It should also be noted that decreed irrigation Priority No. 96 and domestic Priorities Numbers 5 and 7 were all adjudicated in 1939, and although they were decreed priorities of 1875 and 1904, those priorities were junior to rights of later date which had been decreed in earlier adjudications. Although I have not done so in the earlier docket records, I now recommend that all dockets be revised to show the date of adjudication as well as the date of priority.

Also please refer to Mr. Reed's memorandum of October 11, 1962, and the enclosed list and letter of February 24, 1938, to the U. S. Attorney from Attorney Joseph E. Taylor, which suggested that Stead had acquired Estes Park Ditch No. 5 and appurtenant decreed irrigation Priority No. 59, of May 15, 1876, to the waters of Fish Creek in section 6, T. 4 N., R. 72 W. The records should be tracked down, to determine whether there was an erroneous location as to either township or water district, since I have not found the filing listed in Water District No. 4; and whether the point of diversion was changed by decree to a ditch on Stead's Ranch.

SIGNED

A. van V. Dunn

cc:
Superintendent, Rocky Mountain
Chief, WODC (2)

W O D C
DEC 31 1962 JAN 3 1963
CHF
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P & P
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L. A.
SPEC
CONT
SFTY
HABS
ACTION TAKEN - DATE

154

Memorandum

To: The Director

From: Acting Assistant Regional Director, Midwest Region

Subject: Water Rights, Stead Ranch, Tract 204, et al, Docket No. 47, Rocky Mountain

Mr. Thomas E. Whitcraft sent to us copies of a map with filing No. 16602 and pages of the 1939 adjudication of Stead Pipe Lines numbered 1 and 2 and Stead Ditch.

Enclosed is a folder for a new water right docket, which has been given No. 47. The assembly contains filing map No. 16602 of Stead Pipe Lines Nos. 1 and 2 and Stead Ditch. An index indicates the list of material and its order in the docket. Also in the folder is a copy of warranty deed, Reception No. 827286, recorded September 28, 1962.

(Sgd) RALPH N. JOHNSON

Ralph N. Johnson
Acting Assistant Regional Director

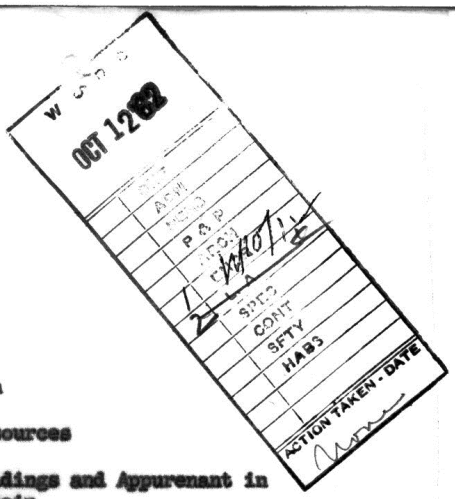
In duplicate

Enclosure

cc:
Chief, WODC (2), with enclosure w/one
Superintendent, Rocky Mountain, w/docket folder, index and copy of warranty deed

EXTRA FILE COPY

10-11-1962: memorandum to regional director, midwest region from acting chief, branch of water resources regarding water rights



L54-25

October 11, 1962

Memorandum

To: Regional Director, Midwest Region

From: Acting Chief, Branch of Water Resources

Subject: Water Rights Acquisition of Inholdings and Appurenant in Water District No. 4, Rocky Mountain

The enclosed tables of decreed rights, Water District No. 4, is from our files on the adjudication of changes in points of diversion (transfer of part of rights) from the Hupps-Beaver, Jones, and Horseshoe ditches in 1939 - District Court 10050, Docket No. 1. The letter of February 24, 1938, to United States Attorney Morrissey from Mr. Joseph E. Taylor is from the same source and explains the symbols used in the tables.

I have noted in a letter to the State Engineer from Mr. Taylor that the Estes Park Ditch No. 5, Decreed Priority 59, had been, or was being sold to the owner of Stead's Ranch; and that Estes Park Ditches No's. 2, 3, and 4 had been acquired by Carl Sanborn.

These irrigation rights were decreed long before the general adjudication of 1939, District Court No. 10077. In reviewing recent deeds and options, I had wondered why we had no ditch filings or reference to the ditch decrees for such areas as the Stead Ranch. The answer is that I have only assembled records of claims and rights in which the United States had an interest in 1939, and a few subsequent cases.

Mr. Mott and the Superintendent should go over this list and their copies of all filings in Water District No. 4, and obtain copies of the filings and decrees now appurtenant to private land in the Park in 1939, and assemble dockets or alien water rights, as proper. Some dockets and alien water rights have been assembled in cases where additional rights were adjudicated in 1939 and we have subsequently acquired the land. In such cases, the ditch and pipe-line rights should be filed in the same assemblies, with breakdown of parts 1, 2, and 3 for land status, and the respective rights.

In each case, past and pending land deeds to the United States should be checked, to see if the water rights title also passes to the United States. If not, an effort should be made to purchase them separately.

SIGNED

E. W. Reed

Enclosures 3

cc:
Superintendent, Rocky Mountain, w/c enc.
Chief, WODC (2), w/c enc.

10-04-1962: memorandum to chief, wodc from superintendent regarding steads ranch water system

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Rocky Mountain National Park
and
Shadow Mountain National Recreation Area
P. O. Box 1080, Estes Park, Colorado

IN REPLY REFER TO:
L54

October 4, 1962

Memorandum

To: Chief, WODC

From: Superintendent

Subject: Steads Ranch Water System

Enclosed is a copy of the chemical analysis of water from the old spring at Steads Ranch. On September 6, after a particularly dry summer, the two springs at Steads Ranch were tested for quantity. The original spring at the lodge site yielded approximately 10 gallons per minute, while the more newly developed spring below the swimming pool yielded 10 to 12 GPM. We believe that these two springs combined can be depended upon to yield 20 GPM and that pumping equipment may be designed accordingly.

There is also enclosed for your information a chemical analysis of water from the well that was drilled in the vicinity of the Moraine Park Campground. Since this well yielded less than 5 GPM, it would not appear worth consideration.

Allyn F. Hanks

W O D C
OCT 9 1962

CHF	
ADM	
PERS	
P & P	
ARCH	
ENGR	10/10
L. A.	
SPEC	
CONT	
SFTY	
HABS	

ACTION TAKEN - DATE
10-11

File

In duplicate

Enclosures (2)

cc:
Regional Director, Midwest Region w/ enc.
WODC Project Supervisor w/ enc.

08-27-1962: memorandum to park engineer from district engineer, us geological survey regarding chemical analysis of water from

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER 25, COLORADO

IN REPLY REFER TO
Paul T. Voegeli, Sr.
Ground Water Branch

August 27, 1962

MEMORANDUM

To: Robert Haraden, Park Engineer
Rocky Mountain National Park
Estes Park, Colorado

From: District Engineer (GW)
U.S. Geological Survey
Denver, Colorado

Subject: Chemical analysis of water from the old spring at Stead's Ranch

Enclosed for your information and files is a copy of the chemical analysis of the water from the old spring at Stead's Ranch.

Paul T. Voegeli, Sr.
Paul T. Voegeli, Sr.
For the District Engineer (GW)

Enclosure - 1

08-27-1962: memorandum to park engineer from district engineer, us geological survey regarding chemical analysis of water from

ANALYSES BY GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR
(parts per million)

Salt Lake City Laboratory Number	24933					
Date of collection	5-9-62					
Silica (SiO_2)	23					
Iron (Fe), dissolved*	.00					
Iron (Fe), total						
Manganese (Mn), dissolved*	.00					
Manganese (Mn), total						
Calcium (Ca)	14					
Magnesium (Mg)	4.9					
Sodium (Na)	8.0					
Potassium (K)	.8					
Bicarbonate (HCO_3)	68					
Carbonate (CO_3)	0					
Sulfate (SO_4)	13					
Chloride (Cl)	2.0					
Fluoride (F)	.2					
Nitrate (NO_3)	.6					
Boron (B)	.00					
Dissolved solids						
Sum						
Residue on evaporation at 180° C	90					
Hardness as $CaCO_3$	56					
Non-carbonate	0					
Alkalinity as $CaCO_3$	56					
Specific conductance (micromhos at 25° C)	124					
pH	7.0					
Color	5					
CO_2 (calculated)						

*In solution at time of analysis.

24933 - Spring, B-5-73--32dda, Estes Park, Larimer County, Colorado. WRF: Moraine deposits. 47° F. Use: domestic. Clear. Poc: at spring.- Improved 1868. Owner: Edmund Stopher. Field tests: pH 6.4, Cond. 140, Hardness 3 grains/gal., Cl.<12.5, Fe <0.1. Collected by: P.T. Voegeli.

GPO 888221

ANALYSES BY GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR
(parts per million)

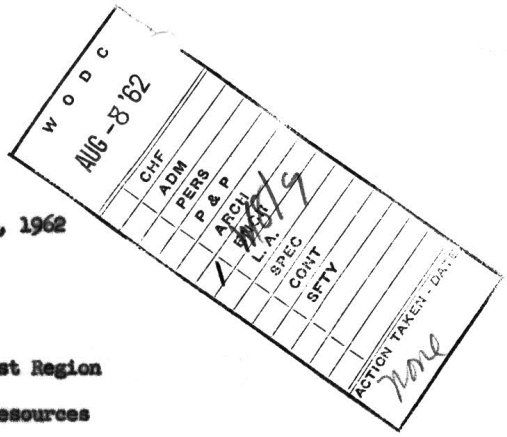
Salt Lake City Laboratory No. 25124

Date of collection	7-12-62
Silica (SiO_2)	21
Iron (Fe), dissolved*	.
Iron (Fe), total	.42
Manganese (Mn), dissolved*	
Manganese (Mn), total	.06
Calcium (Ca)	27
Magnesium (Mg)	9.2
Sodium (Na)	11
Potassium (K)	1.1
Bicarbonate (HCO_3)	131
Carbonate (CO_3)	0
Sulfate (SO_4)	16
Chloride (Cl)	4.5
Fluoride (F)	.8
Nitrate (NO_3)	1.2
Boron (B)	.02
Dissolved solids	
Sum	
Residue on evaporation at 180° C	146
Hardness as $CaCO_3$	105
Non-carbonate	0
Alkalinity as $CaCO_3$	107
Specific conductance (micromhos at 25° C)	243
pH	7.4
Color	5
CO_2 (calculated)	

*In solution at time of analysis.

25124 - Drilled Well, (5-73-32)bbb, Estes Park, Larimer Co., Colorado. Depth: 242'. Diam: 6". WL: 7' below LS. Yield: 6.5 - bailer recovery test. Poc: from bailer. Cased to: 30'. 46° F. Use: test hole. Clear. Drilled: June 28 - July 12, 1962. Collected by: P. T. Voegeli.

Field test: Fe 0.6 ppm, pH 6.9, Hardness 7 grains, chloride less than 25 ppm, conductance 270



L54-RE

August 7, 1962

Memorandum

To: Regional Director, Midwest Region

From: Chief, Branch of Water Resources

Subject: Stead's Ranch Acquisition, Rocky Mountain National Park

The Clinger Appraisal of May 25 describes the water rights on page 8, referring in the first paragraph to the following decreed rights, for which I have added the ditch or pipeline priority numbers and the appropriation priority number.

DITCH OR PIPELINE PRIORITY	DITCH OR PIPELINE NAME	APPROP. PRIORITY	DATE OF PRIORITY	QUANTITY PURPOSE
96	Stead Ditch	62	6- 1-04	2.0 c.f.s. Irr.
5	Stead Pipeline #1	6	12-31-75	0.034 c.f.s. Dom.
7	Stead Pipeline #2	8	6- 1-04	0.0134 c.f.s. Dom.

It follows with a list of six wells, of which the first two may be a duplication of the sources of the above domestic rights, with the indication that the spring source of Pipeline No. 1 was improved in 1890 to divert four feet below ground. This is debatable because there is no apparent recognition in the appraisal of irrigation ditches which formerly traversed the bottom-land meadows, and through which the irrigation rights under appropriation No. 62 were exercised.

My 1938 drawing No. 6978, sheet 1, shows the two domestic pipelines for which rights were decreed the following year, but no irrigation system. So far as I can determine, we have not obtained copies of filing 16602 of June 5, 1939, by Myra W. Lewis, for the Stead Pipelines one and two and Stead Ditch, or the pages of the 1939 decree for those rights, and, consequently, have not assembled the alien water right which should now be converted to a docket when the property is acquired.

Unless the State water laws have been amended, Colorado water rights are not appurtenent to the land, and do not pass with the change of

title to the land unless so specified. The option to the Stead Ranch does not appear to indicate the intent to convey the water rights with as much clarity as may be desirable. The deed should indicate that water rights and claims for the appurtenent water systems are included, whether decreed or otherwise.

SIGNED

A. van V. Dunn
Chief, Branch of Water Resources

Copy to: Superintendent, Rocky Mountain
✓Chief, WODC (2)

OPTIONAL FORM NO. 10
5010-104

UNITED STATES GOVERNMENT
ROCKY MTN. NAT'L. PARK

Memorandum

2	Supt.
1	Asst. Supt.
3	Mgmt. Asst.-E
	Mgmt. Asst.-W
4	Engineer
	Adm. Officer
	Chief Ranger
	Naturalist
	Idscp. Arch.
	Action Taken
	File

L54

TO : Robert Haraden, Park Engineer DATE: July 18, 1962
Rocky Mountain National Park, Estes Park, Colorado

FROM : District Engineer, Ground Water Branch
U. S. Geological Survey, Denver, Colorado

SUBJECT: Moraine Park test well

Enclosed for your information and files are two copies of the construction diagram of the Moraine Park test well. The information presented on the diagram should supply you with the material you need to make the State filing. The diagram is of a preliminary nature and will be superseded by the diagram that will appear in the report on the site.

Paul T. Voegeli, Sr.
For the District Engineer

Enclosures 2

ANALYSES BY GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR
(parts per million)

Salt Lake City Laboratory No.	25124
Date of collection	7-12-62
Silica (SiO_2)	21
Iron (Fe), dissolved*	.
Iron (Fe), total	.42
Manganese (Mn), dissolved*	
Manganese (Mn), total	.06
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Boron (B)	.02
Dissolved solids	
Sum	
Residue on evaporation at 180° C	146
Hardness as $CaCO_3$	105
Non-carbonate	0
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CO_2 (calculated)	

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Field test: Fe 0.6 ppm, pH 6.9, Hardness 7 grains, chloride less than 25 ppm, conductance 270

GPO 835221

Unpublished records, subject to revision

06-06-1962: memorandum to regional director, region two from superintendent regarding approved application for use of ground w

s/b
Hackett 6/5/62
Contor
Whitcraft 6/6
Hanks

Rocky Mountain National Park
and
Shadow Mountain National Recreation Area
L54 P. O. Box 1080, Estes Park, Colorado

June 6, 1962

Memorandum

To: Regional Director, Region Two

From: Superintendent

Subject: Approved Application For Use of Ground Water No. 11773, Moraine Park Campgrounds, Rocky Mountain National Park

Enclosed is a marfax copy of an Application For Use of Ground Water, approved by the Office of the State Engineer of Colorado as Application No. 11773, on June 1, 1962. This permit is for the purpose of drilling a domestic water well to supply the proposed Moraine Park Campgrounds to be located in the Northwest corner of Section 32, Township 5 North, Range 73 West of the 6th P.M., in Rocky Mountain National Park.

We are filing our copy in a new Water Rights Docket assembly folder.

When this water well is completed, we will file the necessary form with the State Engineer's Office.

(Signed) Allyn F. Hanks

Allyn F. Hanks
Superintendent

In duplicate

Enclosure

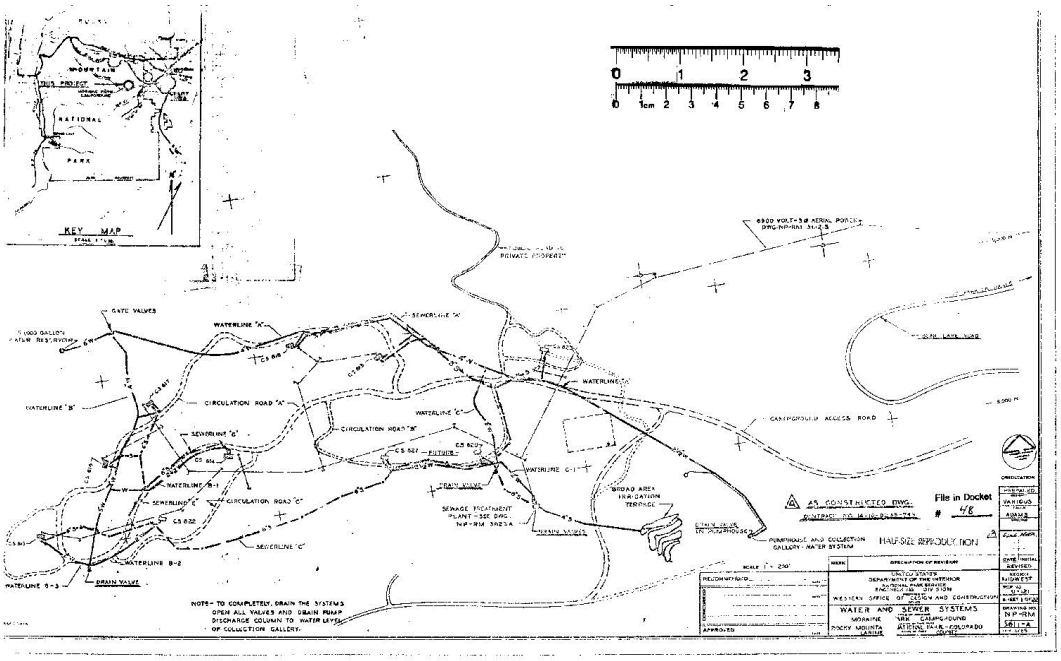
WHHackett:mb

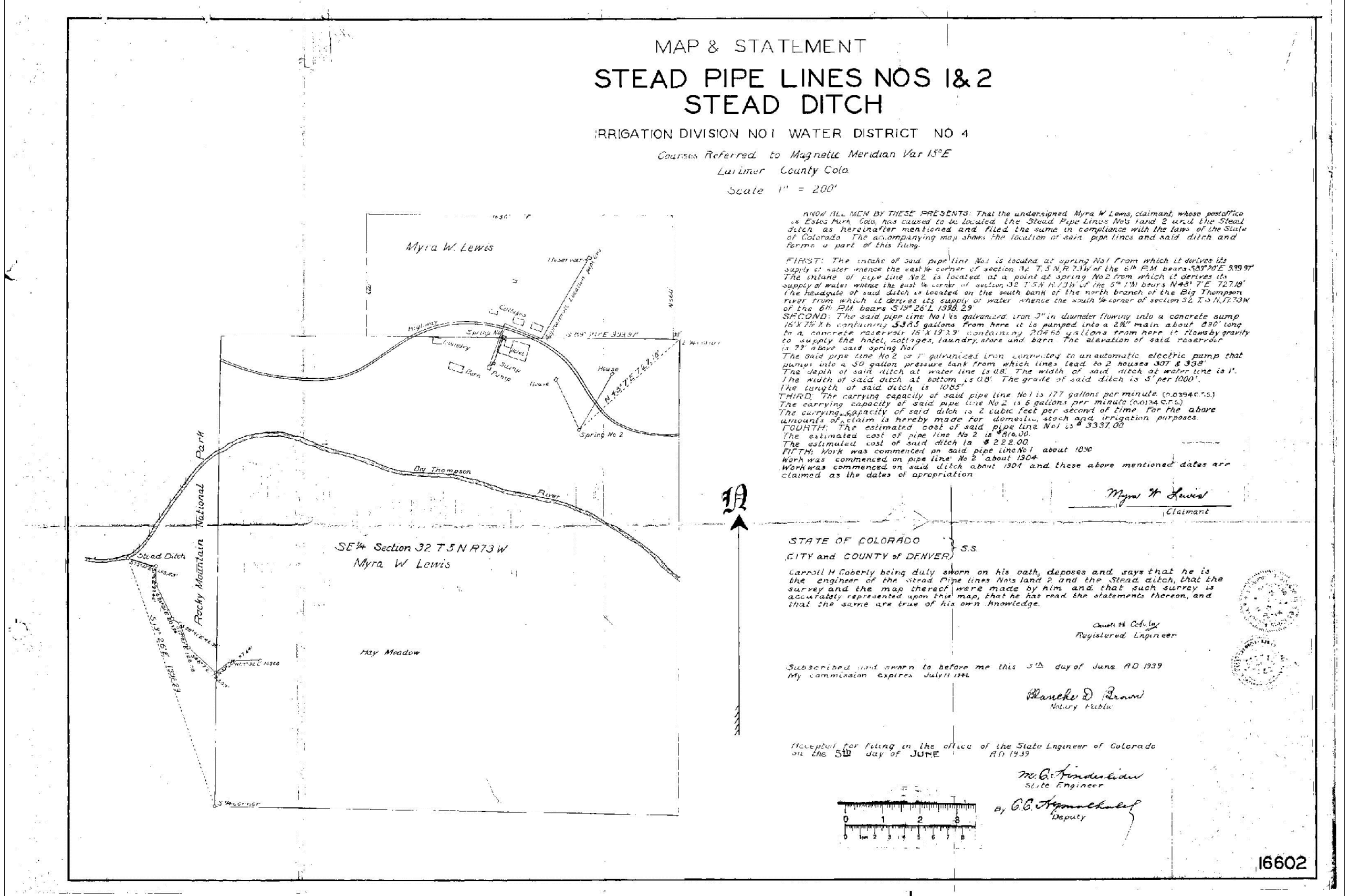
ROMO-SHMO INTER-OFFICE MEMO AND ROUTING SLIP

___Superintendent ___Asst. Supt. ___Mgmt. Asst. ___Secretary ___Files ___Naturalist _____ ___Chief Ranger _____ _____ ___Admin. Officer ___Personnel _____ ___Engineer ___Asst. Engineer ___Lndscp. Arch. _____ ___[illegible] M Superv. _____ WCDC ___Proj. Superv. ___Lndscp. Arch. WEST SIDE ___Mgmt. Asst. ___Dist. Ranger _____	Information_____ Please reply_____ Your action_____ Comment & return_____ See me_____ Distribute your dept._____ Review & surname_____	Judge Hackett — This well does not produce enough water for our purposes & will probably not be used although it is capped & available should the need arise. H. DATE_____ SENDER_____

Maps and Miscellaneous Information

00-00-0000: map of the water and sewer systems - morraine park campground





MAP & STATEMENT

STEAD PIPE LINES NOS 1&2
STEAD DITCH

IRRIGATION DIVISION NO 1 WATER DISTRICT NO 4

Courses Referred to Magnetic Meridian Var 15°E
Larimer County Colo
Scale 1" = 200'

Myra W. Lewis

Reservoir

Cottages

Twins No 1

Cemetery

Barn

Corrals

House

Spring No 2

Big Thompson River

Rocky Mountain National Park

Stead Ditch

SE¼ Section 32 T 5 N R 73 W
Myra W. Lewis

Hay Meadow

KNOW ALL MEN BY THESE PRESENTS: That the undersigned, Myra W. Lewis, claimant, whose postoffice is Estes Park Colo. has caused to be located the Stead Pipe Lines Nos 1 and 2 and the Stead ditch, as hereinafter mentioned and filed the same in compliance with the laws of the State of Colorado. The accompanying map shows the location of said pipe lines and said ditch and forms a part of this filing.

FIRST: The intake of said pipe line No 1 is located at spring No 1 from which it derives its supply of water whence the east ¼ corner of section 32 T 5 N R 73 W of the 6th P.M. bears N39°19' E 3119.9' The intake of pipe line No 2 is located at a point at spring No 2 from which it derives its supply of water whence the east ¼ corner of section 32 T 5 N R 73 W of the 6th P.M. bears N 45° 7' E 7278' the headgate of said ditch is located on the south bank of the north branch of the Big Thompson river from which it derives its supply of water whence the south ¼ corner of section 32 T 5 N R 73 W of the 6th P.M. bears S 1° 26' E 1998.2'

SECOND: The said pipe line No 1 is galvanized iron 3" in diameter running into a concrete sump 16 X 16 X 8 ft. containing 3345 gallons from here it is pumped into a 2½" main, about 280' long to a concrete reservoir 15 X 15 X 9 containing 3060 gallons from here it flows by gravity to supply the hotel, cottages, laundry, store and barn. The elevation of said reservoir is 39' above said spring No 1.

The said pipe line No 2 is 1" galvanized iron connected to an automatic electric pump that pumps into a 50 gallon pressure tank from which lines lead to 2 houses 307 & 309.

The depth of said ditch at inlet line is 0.8. The width of said ditch at water line is 1'. The width of said ditch at bottom is 0.8'. The grade of said ditch is 5" per 100'.

The length of said ditch is 1045'

THIRD: The carrying capacity of said pipe line No 1 is 177 gallons per minute (0.394 sec. ft.)

The carrying capacity of said pipe line No 2 is 6 gallons per minute (0.0134 C.F.S.)

The carrying capacity of said ditch is 2 cubic feet per second of time. For the above amounts of claim is hereby made for domestic, stock and irrigation purposes.

FOURTH: The estimated cost of said Pipe Line No 1 is $ 3337.00

The estimated cost of pipe line No 2 is $ 816.00.

The estimated cost of said ditch is $ 222.00.

FIFTH: Work was commenced on said pipe line No 1 about 1890

Work was commenced on pipe line No 2 about 1904

Work was commenced on said ditch about 1904 and these above mentioned dates are claimed as the dates of appropriation

Myra W. Lewis
Claimant

STATE OF COLORADO } S.S.
CITY and COUNTY of DENVER }

Carroll H Easterly being duly sworn on his oath, deposes and says that he is the engineer of the Stead Pipe Lines Nos 1 and 2 and the Stead ditch, that the survey and the map thereof were made by him, and that such survey is accurately represented upon that map, that he has read the statements thereon, and that the same are true of his own knowledge.

Carroll H Easterly
Registered Engineer

Subscribed and sworn to before me this 5th day of June A.D. 1939
My commission expires July 11 1941

Blanche D. Brown
Notary Public

Accepted for filing in the office of the State Engineer of Colorado on the 5th day of JUNE A.D. 1939

M. C. Hinderlider
State Engineer
By C.C. Hammerschmidt
Deputy

16602

Docket Information

Number of Documents in Docket 64

Documents Dated from 2/24/1938 to 5/19/1993

Docket Compiled: 6/8/2016