



WATER-RIGHT DOCKET

Grand Teton National Park

Docket No: 12

MEADOW CREEK SPRING. SUPPLEMENTAL SUPPLY TO JACKSON LODGE - COLTER BAY WATER SYST

Preliminary Docket Information

10-11-1954: water right record

WATER RIGHT RECORD

12

Docket Number 12

Alien WR Number

Water Use Map NP-GT 2174

IDENTIFICATION NO: GRTE S 0 8 4 5 1 1 4 A F 1 2

Sheet Number 7

DITCH/WATER SYSTEM: SUPPLEMENTAL SUPPLY, PIPE LINE TO JACKSON LAKE LODGE -
COLTER BAY WATER SYSTEM

SOURCE OF SUPPLY: Meadow Creek Spring

LOCATION:

Legal description and tie:
(Point of Diversion)

A point in Section 8, Township 45 North, Range 114 West, from which the
Southwest corner bears N 32° 38' E a distance of 4945.4 feet.

WATER RIGHT:

Appropriator: United States of America (National Park Service)

Certificate Record Number:

Permit Number: 21426

Date of priority: October 11, 1954

Quantity of Water: 0.223 c.f.s.

Purpose: Domestic and Supplemental

Irrigate Land Description:

Irrigation use is negligible - see irrigated land description in
Filing No. 16 5/179 for permit number 21426 which lists a total
of 480 acres. (Note: Total irrigated land at both Jackson Lake
Lodge and Colter Bay probably would not exceed 10 acres.)

SUMMARY OF STATUS:

Application for a permit to divert and appropriate the water was made
on May 4, 1954. Temporary Permit was issued on October 11, 1954. Notice
of Beneficial Use of Water was made October 20, 1966. To date this water
right has not been adjudicated.

Water Rights Docket No. 12
Jackson Lake Lodge-Colter Bay Water System
INDEX

- A. General Water Use Plan, NP-GT 2174, Sheet # 7
- B. Right of Way
 - 1. Map supporting application for use of Forest Service Land.
 - 2. Application for use of Forest Service Land.
 - 3. Permit for use of Forest Service Land.
- C. Pilgrim Creek Springs Water Rights
 - 1. Map supporting application (Drawing 6955 as approved)
 - 2. Temporary Permit 16 1/66.
 - 3. Application - Permit 21286.
 - 4. Notice of Commencement of Work.
 - 5. Notice of Completion of Work (pending).
 - 6. Notice of Completion of application of Water to Beneficial Use.
 - a. Jackson Lake Lodge Area.
 - b. Colter Bay Area.
 - 7. Certificate.
 - a. Jackson Lake Lodge Area.
 - b. Colter Bay Area.
- D. Meadow Creek Spring Water Right (Supplemental Supply)
 - 1. Water Rights
 - a. Map supporting application (drawing 6957 as approved)
 - b. Temporary Permit No. _____.
 - c. Application - Permit No. _____. Temporary No. 16 5/179.
 - d. Notice of Commencement of Work under Permit No. 21426.
 - e. Notice of Completion of Work.
 - f. Notice of Completion of Application of Water to Beneficial Use.
 - g. Certificate.

*See
Related
Pocket*

FORM 58-2

The State of Wyoming
State Engineer's Office

Rec'd
1-15-59

Cheyenne, Wyoming, January 7, 1959

1959 JAN 12 PM 9:59
Chief, Water Resources Section
U. S. Dept. of Interior
National Park Service
Washington, 25, D. C.

Dear Sir:

during July and
Your notice of completion of the application of water to beneficial use on ~~or~~ August,
Supplemental Supply Pipeline to Jackson
and through the Lake Lodge - Colter Bay Water System Ditch,
drawing water from Meadow Cr. Spr., tr. Meadow Cr., under the
provisions of Permit No. 21426, has been received this day and made a matter of record
in this office.

Yours very truly,

Earl Lloyd
State Engineer.

383-10-25-66.

Grand Teton National Park
Moose, Wyoming 83012

L54

October 20, 1966

State of Wyoming
State Engineers Office
Cheyenne, Wyoming 82001

Docket 12

S
STW
10/25
JAB

Dear Sir:

Enclosed are the completed forms UW7, Notice of Beneficial Use of
Water and UW4, Statement of Completion on Permit #UW1377 for the
Gros Ventre Campground #1.

Sincerely yours,

~~(Sgd)~~ Jack K. Anderson
Jack K. Anderson
Superintendent

Enclosures

cc:
Director, Attn: Chief, Branch of Water Resources w/cys enc.
Regional Director, Midwest
Service Center
Docket File #12
File

Permit No. U.W. 1377

Form UW4

STATEMENT OF COMPLETION OR ABANDONMENT OF PERMIT NO. U. W.
UNDERGROUND WATERS
 (Under Chapter 169, Session Laws of Wyoming, 1957)

WATER DIVISION NO. 4 UNDERGROUND WATER DISTRICT Teton County

I, Jack Anderson of Moose County of Teton, State of Wyoming, being duly sworn according to law, upon my oath say:

1. The name of the permittee or present owner U. S. Department of Interior, National Park Service, Grand Teton National Park.

2. The postoffice address of the permittee or present owner Moose, Wyoming

3. The name of the well is Gros Ventre Campground #1
 (Designate by name and number)

4. Description of well: Location, 1766 feet from the
 (Give course and distance)
 S 1/4 corner of Section 8 T. 42 N., R. 115 W., and is in the
 SE of Section 8 T. 42 N., R. 115 W.; the type of well
 (Designate Subdivision)
 is Drilled; total depth, 150 feet; depth to water in the
 (Drilled, dug, driven or jetted)
 well below land surface is 11 feet; the diameter of well at top is 8 inches, and at
 bottom 8 inches; kind of casing, if any, is steel
 Bottom 30' is perforated; if artesian, is well equipped with gate
 valve?; name and address of driller Andrews Well Drilling Co.

Date of commencement of well August 1, 1964.

Date of completion of well September 4, 1964.

5. If well under this permit is to be abandoned, please state reasons for abandonment. (If well has been abandoned, it will not be necessary to complete the balance of this form, except for log of well, Item 14, and signature before a Notary Public).

6. Description of pump: Make Peerless; type Turbine
 rated capacity of pump 200 gal. per minute
 (If known)

7. Description of power plant: Method of operation Electric Motor
 (Electric motor, steam or gasoline engine, etc.)
 Horsepower of engine or motor 7 1/2

8. Give date pump and power plant were installed and works completed November, 1965

9. Record of Pumping Test (to be supplied by person or firm making test; Name and address of person making test) Gary Howard Address Unknown
 date of test August 31, 1964; depth to water before test, 10' 10 1/2" feet,
 and immediately afterward 11' 3" feet; Length of test, 6 hours; average
 discharge, 200 Gal. per minute

10. Actual cost of well and pumping equipment \$12,285.00 Dollars.

11. If well is for irrigation purposes, and acreage to be served by well differs from lands described in permit, please re-describe lands in space below:

12. Depth at which main source of water was encountered is Below 50 feet,
and the water bearing formation is Sand and Gravel
(Sand, gravel, shale, clay, limestone, sandstone, etc.)

13. If other water sources were found give depth to each.

Unknown feet.

feet.

14. LOG OF WELL

TYPE OF MATERIAL ENCOUNTERED (Give color and tell whether hard or soft)	DEPTH IN FEET		Thickness in feet	REMARKS (Especially information as to water found)
	From	To		
Clay and gravel	0	18	18	
Pea gravel and sand	18	30	12	
Gravel and sand	30	35	5	
Gravel, sand and clay	35	52	17	
Pea gravel and sand (clear)	52	60	8	
Gravel	60	78	18	
Clay sand and gravel	78	92	14	
Gravel and sand	92	100	8	
Sand and silt	100	112	12	
Gravel sand silt	112	150	38	

Remarks: Static water level 10' 10 1/2"

(Signed)

THE STATE OF WYOMING,)
COUNTY OF) ss.

I hereby certify that the foregoing statement was signed in my presence and sworn to before me by

this _____ day of _____, 19____

Notary Public

My Commission expires _____, 19____

Date of Receipt _____, 19____

State Engineer.

NOTICE OF BENEFICIAL USE OF WATER

Moose, Wyo., October 20, 1966

STATE ENGINEER.

Cheyenne, Wyoming.

I hereby notify you that I completed the application of water to the beneficial uses described in Permit
No. U.W. 1377, for the Gros Ventre Campground No. 1 well
on the 15th day of July, 1966.

W. L. E. Adams

**NOTICE OF COMMENCEMENT OF WORK
UNDERGROUND WATER**

State Engineer, Moose, Wyo., October 20 19 66
Cheyenne, Wyoming Permit No. U. W. 1377

I hereby notify you that work was commenced on the Gros Ventre
Campground No. 1, proposing to appropriate the Under-
ground waters of the State of Wyoming, on the 17th day of July,
19 64.

Wm. Jack R. Anderson

**NOTICE OF COMPLETION OF THE APPLICATION OF
UNDERGROUND WATER TO BENEFICIAL USE**

State Engineer Moose Wyo., October 20 19 66
Cheyenne, Wyoming Permit No. U. W. 1377

I hereby notify you that the application of water to beneficial
uses described in above numbered permit for the Gros Ventre Campground
No. 1 was completed on the 15th day of July 19 66.

Wm. Jack R. Anderson

IMPORTANT

As Soon As the Statement Contained In Each of the Attached Notices
Is Completed With, Fill Out the Statement and Mail it to the
State Engineer's Office.

The State of Wyoming
State Engineer's Office
Cheyenne

SEP 25 PM 2 25

September 23, 1958

United States of America, Director
National Park Service
Dept. of Interior
Washington 25, D. C.

Dear Sir:

The records of this office show that the time for completing the application of water to beneficial use through the Supplemental Supply Pipeline to Jackson Lake Lodge - Colter Bay Water System Permit No. 21426, expires on the 31st day of December, 1958.

Failure to make beneficial application of the water within the time limit specified in the permit or within the period of extension granted by the State Engineer, acts as a forfeiture of the rights granted in the permit. If the beneficial application of water to the lands entitled to be irrigated under the terms of the permit has been completed, notice should be given this office before the expiration of the irrigation period, and a form is hereto attached for that purpose. Where the beneficial application of the water has been completed in accordance with the terms of the permit and the applicant fails to notify the State Engineer thereof before the time limiting the application of water to beneficial use expires, it will be necessary to file in this office an affidavit setting forth the facts in the case.

The State Engineer is given authority, within certain limitations, to extend the irrigation period of a permit upon showing of sufficient cause therefor. If more time for applying water to beneficial use is desired, a request for an extension of time should be filed in this office before the time for applying water beneficially, as authorized by the State Engineer, has expired. This request should describe the progress which has been made toward applying the water to beneficial use under the terms of the permit, and give reasons for seeking an extension of time.

Earl Lloyd
State Engineer.

NOTICE OF APPLICATION OF WATER TO BENEFICIAL USE FOR IRRIGATION PURPOSES, MEANS THAT WATER HAS BEEN BENEFICIALLY USED ON ALL OF THE LAND FOR WHICH PROOF OF APPROPRIATION WILL BE SUBMITTED.

NOTICE OF BENEFICIAL USE OF WATER

Washington, D. C., ~~WEEK~~ January 5, 1959

STATE ENGINEER,
Cheyenne, Wyoming.

I hereby notify you that I completed the application of water to the beneficial uses described in Permit No. 21426, for the Supplemental Supply Pipeline to Jackson Lake Lodge - Colter Bay Water System from Meadow Cr. Spr. tr. Meadow Creek during ~~years~~ July and August, 1958.

Grant Lunn
Chief, Water Resources Section, National Park Service

FORM SE-6

The State of Wyoming
State Engineer's Office
Cheyenne

September 23, 1958

United States of America, Director
National Park Service
Dept. of Interior
Washington 25, D.-C.

Dear Sir:

The records of this office show that the time for completing the application of water to beneficial use through the Supplemental Supply Pipeline to Jackson Lake Lodge - Colter Bay Water System Permit No. 21426, expires on the 31st day of December, 1958

Failure to make beneficial application of the water within the time limit specified in the permit or within the period of extension granted by the State Engineer, acts as a forfeiture of the rights granted in the permit. If the beneficial application of water to the lands entitled to be irrigated under the terms of the permit has been completed, notice should be given this office before the expiration of the irrigation period, and a form is hereto attached for that purpose. Where the beneficial application of the water has been completed in accordance with the terms of the permit and the applicant fails to notify the State Engineer thereof before the time limiting the application of water to beneficial use expires, it will be necessary to file in this office an affidavit setting forth the facts in the case.

The State Engineer is given authority, within certain limitations, to extend the irrigation period of a permit upon showing of sufficient cause therefor. If more time for applying water to beneficial use is desired, a request for an extension of time should be filed in this office before the time for applying water beneficially, as authorized by the State Engineer, has expired. This request should describe the progress which has been made toward applying the water to beneficial use under the terms of the permit, and give reasons for seeking an extension of time.

Earl Lloyd

State Engineer.

NOTICE OF APPLICATION OF WATER TO BENEFICIAL USE FOR IRRIGATION PURPOSES, MEANS THAT WATER HAS BEEN BENEFICIALLY USED ON ALL OF THE LAND FOR WHICH PROOF OF APPROPRIATION WILL BE SUBMITTED.

In reply refer to:
L54-L

September 30, 1955

Mr. L. C. Bishop
State Engineer
Cheyenne, Wyoming

Re: Permit 21286, Jackson Lake Lodge
Colter Bay Water System, Grand
Teton

Dear Mr. Bishop:

Enclosed is our Report of Completion of the Jackson Lake Lodge-Colter Bay Water System at Grand Teton, Under Permit 21286. The portion serving the Lodge, and the supply line to the Colter Bay Reservoir were actually completed during October 1954. The distribution system at Colter Bay was reported as complete except for clean-up, in the Superintendent's report for August 1955.

It will probably be some years before we can report complete beneficial use of the water, particularly at the Colter Bay Campground.

Sincerely yours,

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Enclosure

Copy to: Regional Director, Region Two, detached
Superintendent, Grand Teton, detached
~~Western~~ Office of Design and Construction, detached

Form SE-0

THE STATE OF WYOMING
State Engineer's Office

Cheyenne, Wyoming, April 25, 1955

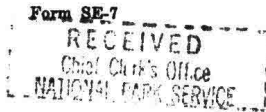
Mr. Director, National Park Service,
U. S. Department of the Interior,
Washington 25, D. C.

Dear Sir:

Your notice of completion of the Supplemental Supply Pipeline to Jackson Lake Lodge-Colter Bay Water System
_____, on September 26, 19 53, for the appropriation of water
from Meadow Creek Spring, trib. Meadow Creek, under the
conditions of Permit No. 21426 _____ has been received this day and
made a matter of record in this office.

Yours very truly,

Yours very truly,
R. P. Fisher
State Engineer.



THE STATE OF WYOMING
State Engineer's Office

1955 APR 28 AM 10:38

Cheyenne, Wyoming, April 25 19 55

Mr. Director, National Park Service,

U. S. Department of the Interior,

Washington 25, D. C.

Dear Sir:

Your notice of commencement of work on the Supplemental Supply Pipeline to
System
(Ditch)-
Jackson Lake Lodge-Colter Bay Water/ (Reservoir) on June 28 19 53
under the conditions of Permit No. 21426, has been received this day and
made a matter of record in this office.

Yours very truly,


State Engineer.

FORM SE-2

THE MILLS COMPANY, SHERIDAN 85201

NOTICE OF COMMENCEMENT OF WORK

, Wyo., April 20, 1955

STATE ENGINEER,
Cheyenne, Wyoming.

Permit No. 21426

I hereby notify you that work was commenced on the Supplemental Supply Pipeline to Jackson Lake Lodge-Colter Bay Water System, proposing to divert water from Meadow Creek Spring, trib. Meadow Creek on the 28 day of June, 1953.

A. van V. Dunn
A. van V. Dunn
Chief, Water Resources Section, National Park Ser.

NOTICE OF COMPLETION OF CONSTRUCTION

, Wyo., April 20, 1955

STATE ENGINEER,
Cheyenne, Wyoming.

Permit No. 21426

I hereby notify you that the Supplemental Supply Pipeline to Jackson Lake Lodge-Colter Bay Water System, proposing to divert water from Meadow Creek Spring, trib. Meadow Creek was completed on the 26 day of September, 1953.

A. van V. Dunn
A. van V. Dunn
Chief, Water Resources Sec., National Park Service

FORM SE-1
THE MILLS COMPANY, SHERIDAN 84608-11

THE STATE OF WYOMING
State Engineer's Office

Cheyenne, Wyoming, May 19, 19 54

xxx United States of America
Director, National Park Service
Department of the Interior
Washington 25, D. C.

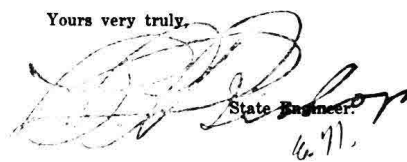
REF: L54-L

Dear Sir:

We have this day received your application, proposing to construct the Bay Water System
Supplemental Supply Pipeline to Jackson Lake Lodge - Colter / ^(Ditch) ~~Reservoir~~ for the
appropriation of water from Meadow Creek Spring, trib. Meadow Creek, trib. Snake R., and
it has been duly filed under our temporary No. 16 5/179. This application will be
taken up as soon as possible in regular order.

Our receipt covering payment of the required filing fee is being mailed to you.

Yours very truly,


State Engineer
6.71.

G RTE

Form A PERMIT No. 21426
 Notice of Completion Received B8 Proof Submitted _____

APPLICATION FOR A PERMIT TO DIVERT AND APPROPRIATE THE WATER OF THE
 STATE OF WYOMING

Water Division No. 4 District No. _____

I, Conrad L. Wirth, Director, National Park Service
 of Washington, ~~XXXXXX~~ District of _____,
~~XXXXXX~~ Columbia, being duly sworn according to law, upon my oath say:

1. The name of the applicant United States of America (for Grand Teton National Park).
2. The postoffice address of the applicant Director, National Park Service,
Department of the Interior, Washington 25, D. C.
3. The use to which the water is to be applied is domestic purposes at Jackson Lake
Lodge - see Remarks, page 3, and irrigation.
4. The name of the ditch, canal, pipe line or other facility is Supplemental supply pipeline
to Jackson Lake Lodge-Colter Bay Water System.
5. The source of the proposed appropriation is Meadow Creek Spring - tributary to
Meadow Creek, which is a tributary of Snake River.
6. The point of diversion of the proposed works is located N. 32°38' E. 4945.4
feet distant from the SW corner of Section 8 T. 45 N., R. 114 W.,
and is in the NW¹/₄ of NE¹/₄ of Section 8 T. 45 N., R. 114 W.
7. The said ditch, canal, pipe line or other facility is to be 0.222 miles long.
8. The carrying capacity of the ditch, canal, pipe line or other facility at the point of diversion is
0.223 cu. ft. per sec.
9. (a) The nature of the material to be moved is earth and rock.
 (b) Number, length and size of tunnels --
 (c) Number, length and size of flumes --
10. The estimated cost of said work is 26,000 Dollars.
11. Construction work will begin within one year from date of approval of this application.
12. The time required for completion of the works is 1 year from December 31st, 19 53.
13. The time required to complete the application of water to the beneficial uses stated in this application is 2 year from December 31st, 19 54.
14. The accompanying map is prepared in accordance with the Manual of Regulations and Instructions for Filing Applications in the State Engineer's Office and is hereby declared a part of this application.

This supplemental supply is for emergency use if the Poudre Creek Springs (Permit No. 21286) prove inadequate at peak of tourist season, and during periods when the use of that source may be suspended for pipeline repairs or other reasons.

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE } ss.

THIS IS TO CERTIFY that I have examined the foregoing application and have rejected same for the following reason:

Witness my hand this _____ day of _____, A. D. 19____.

State Engineer.

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE } ss.

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions: This permit grants only the right to use the surplus water of the stream when all prior rights are satisfied.

Supplemental supply only. The total amount of water to be used on these lands not to exceed the statutory limit of one cubic foot of water per second of time for each seventy acres of land irrigated.

Construction of proposed work shall begin within one year from the date of approval.

The time for completing the work shall terminate on December 31, 19⁵⁶.

The time for completing the application of water to beneficial use shall terminate on December 31, 19⁵⁸, and final proof of appropriation shall be made within five years thereafter.

The amount of appropriation shall be limited to the amount beneficially used for domestic purposes and irrigation on or before December 31, 1958 not to exceed 0.223 cubic foot of water per second of time. ~~except as provided in Section 71-219, Wyoming Statutes, 1945, and the additional volume used for~~

~~purposes on or before said date.~~

Witness my hand this 11th day of October, A. D. 19⁵⁴.

/s/ L. C. Bishop

L. C. Bishop State Engineer.

Filing No. 16 5/179
 Permit No. 21426 Original
**Application for a Permit to Divert
 and Appropriate the Water of
 the State of Wyoming**
 Division No. 4 District No. _____
 Applicant United States of America
National Park Service
 Address Department of Int., Wash. 25, D.C.
Supplemental Supply Pipeline to
Ditch Jackson Lake Lodge-Colter Bay
Water System
 Source Meadow Creek Spring
 Acres Domestic and
480 Supplemental Supply
 THE STATE OF WYOMING, } ss.
 STATE ENGINEER'S OFFICE }
 This instrument was received and filed for
 record on the 19th day of
May, A. D. 1954,
 at 2:00 o'clock P. M.
/s/ Earl Lloyd
Earl Lloyd, Deputy State Engineer.
 Recorded in Book 72 of Applications,
 on Page 186
 FORM A-14-B-32 THE WALK COMPANY, BUTTERN, IDOER
 Fee Paid \$ 2.00 Map filed B

NOTICE

A Manual of Regulations and Instructions for Filing Applications will be furnished by the State Engineer's Office upon request. By carefully complying with the instructions contained in the Manual, much trouble and delay will be saved the applicant, the surveyor, and the State Engineer's Office.

This application must be accompanied by maps in duplicate, prepared in accordance with the Manual, and by a filing fee of two dollars.

Applications returned for corrections must be resubmitted to the State Engineer within ninety days with the corrections properly made; otherwise the filing will be canceled.

This application when approved does not constitute a complete water right. It is your authority to begin construction work, which must be commenced within one year from the date of approval of this application.

Notice of commencement of work, completion of the work, and of application of the water to the beneficial uses described in the permit, should be filed in the State Engineer's Office before the expiration of the time allowed in the permit.

Requests for extensions of time within which to begin construction, to complete the work, and to make beneficial application of the water must be in writing, stating why the additional time is required, and must be received in the State Engineer's Office before the expiration of the time allowed in the permit.

To perfect your water right, notify your Division Superintendent that you are ready to submit final proof. This notice should be sent to the Superintendent as soon as possible after you apply the water to the beneficial uses described in your permit. When you have submitted your proof before the Superintendent it will be considered by the State Board of Control, and, if found to be satisfactory, the Board will issue to you a Certificate of Appropriation which will constitute a completed water right.



Mr. L. C. Bishop
State Engineer
Cheyenne, Wyoming

Dear Mr. Bishop:

Enclosed is an advance print of drawing NP-GT-6957 which has been prepared to accompany an application for the appropriation of water of a nameless spring "A" to provide a supplemental supply for the Jackson Lake Lodge at Grand Teton National Park. The Lodge development is one of two areas to be served by the Jackson Lake Lodge-Coulter Bay Water System which is now being constructed under Temporary Permit 16 1/66.

The spring supply is the one now being used by the contractors who are constructing the Lodge and the main water system. It is planned to retain the spring diversion lateral for emergency demands if the main water system should need repairs, the Pilgrim Creek Spring should fail, the peak season demand should exceed diversion and storage capacity, and for winter needs when diversion pipes should be drained when not actively used.

The question is whether the supplemental supply should be treated as an original appropriation or an enlargement. If the latter, we should like to know whether there is a more appropriate form than your Form B. We now have only Forms A and B.

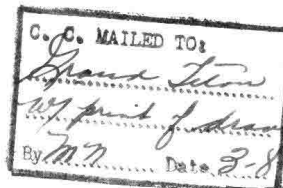
Sincerely yours,

(SGD.) A. VAN V. DUNN.

A. van V. Dunn
Chief, Water Resources Section

Enclosure

Copy to: Regional Director, Region Two (2), with 2 prints of drawing



REC'D IN GEN. FILES MAR 11 1954

In reply refer to:

154-L

March 5, 1954

REG. DIRECTOR	
ASST. REG. DIR. ADM.	
ASST. REG. DIR. BUD.	
ASST. REG. DIR. C.	
ADM. OFFICER	
ASST. ADM. OFFICER	
COUNSEL	3/9
CONCESSIONS MGT.	
FORESTRY	
ARCHITECTURE	
LANDSCAPE ARCHT.	
PLANTING & MISC.	
RECORDS & COMM.	
TRAINING	
LABORATORY	
RIV. BAS. C. SUR.	
REG. DIR. SECT.	
FILE	77-3-8

SEP 18 1953

Dear Mr. Bishop:

Sincerely yours,

Willory A. Tolson
Acting Director

By GF Date 9-21-83

Enclosures 3

Copy to: Regional Director, Region Two

RECEIVED
667 1 1958
General File

REG. DIRECTOR
ASST REG DIR ADM
ASST REG DIR DAC
~~ASST REG DIR~~
ADM OFFICER
ASST ADM. OFFICER
CHIEF OF BUREAU
CONCESSIONS MGT.
FOOD & BEV
GAMES
HOSPITALITY
NIGHT CLUBS
RIV. STATION C.S.R.
REG. D AGENCY
ACTION TAKEN
FILE

Application

1, Hillory A. Tolson, Acting Director, National Park Service

Washington

----- District of Columbia

 1 Name of Applicant is the United States of America (for Grand Teton National Park)

2 Post Office Address is care of Director, National Park Service,
 Department of the Interior, Washington 25, D. C.

3 Use domestic use at Jackson Lake Lodge and
 Colter Bay Campground Area -- see additional comment on page 3.

4 Name of facility Jackson Lake Lodge-Colter Bay
 Water System

5 Source of appropriation a group of springs tributary to Pilgrim
 Creek Jackson Lake. (Snake River)

6 Point of Diversion N. 10°44'25" E. 26,661.8

from southwest

8 45 N., --- 114

14 NE 1/4 NE 1/4 of unsurveyed

-- 20., 46 114

7. 6.65 miles long, to
 distribution reservoirs, plus 2.15 miles to areas of use.

8. Carrying Capacity
 0.54

earth and gravel trenching.

--

9 Length & size of conduits 18,478 ft. of 6" & 16,614 ft. of 4" to two
 500,000 gal. distribution reservoirs, & 11,325 ft. of 10" distribution mains.

10 Est. Cost , -- including \$74,000 for distribution mains, -----
 is \$655,000.00.

12 Time to construct 2 years from Dec 31, 1953.

13 Time to make full use of water
 10 years from Dec 31, 1953.

2

The following areas are to be developed, but irrigation will be limited and incidental to domestic water use.

<u>Jackson Lake Lodge Development</u> on land of U.S.											
45N	114W	6		42.1	42.1	40	40	40	40	40	324.2
"	"	7	20.5	20							40.5
"	"	17		41.8	41.8	40					123.6
<u>Colter Bay Area</u> on land of U.S.											
46N	115W	26						40	40	40	120.0
"	"	27							29.4	13.8	81.8
"	"	34	40	30.3	27.5	40			40	20.2	264.1
"	"	35		40	40	40	40	40	40	40	320.0
45N	115W	2		60	60	40	40				200.0
"	"	3	53.3	12.9	23	34					123.2

Note: Irrigation will be negligible. Developments are being provided to accommodate the public on the basis of the following trend:

<u>Year</u>	<u>Park Visitors for Year Ending Sept. 30</u>
1941	179,082
1946	201,145
1947	324,396
1948	281,562
1949	478,839
1950	485,950
1951	587,585
1952	795,476
1953	805,046 (through Aug. 31)

Total area

1597.4

Comments

Maximum measured spring flow at diversion 0.5 sec. ft. July 25, 1952, and 0.38 sec. ft. July 12, 1953, without development of spring area shown on map. Lodge development now being constructed for 900 guests and 300 employees, and will be enlarged to accommodate 1500 guests and 500 employees. Colter Bay Campground, with cafeteria, general store, picnic areas, etc., will have initial camp facilities for 3500 and ultimate facilities for 8000. Initial accommodations should be fully used by December 31, 1958. Ultimate facilities should be required and used by December 31, 1963.





Form 10-174 (June 1962)		UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE		Work Order No. B-59 GRTE (A)	
FACE SHEET FOR COMPLETION REPORT				Fund Symbol 14 X 1035	
Park Grand Teton National Park		Region Midwest		Year Programmed 1963 Fiscal Year	
Location in Park Lizard Point Campground		State(s) Wyoming		PCP No. U-75-1, U-113	
		County or Counties Teton		Master Plan No. NPGT 3419	
☒ Contract and/or ☐ Day Labor				Master Plan Corrected By	
Work Order Title Water and Sewer System and Electrical Control Line				As Built Drawings By	
				Date Started September 25, 1963	
				Date Completed October 21, 1964 ✓	
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)				TOTAL COSTS (For completion by FFO)	
Utilities:					
Water System				47,108.44	
Sewer System				12,456.10	
See attached final estimate					
TOTAL				\$59,564.54	
DISTRIBUTION		THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES			
No.	To				
1	Director	Submitted <i>Edward K. Otake</i> Title: Edward K. Otake Date: 12/16/64			
1	MW Reg. Dir	By: <i>Fred C. Fagergren</i> Title: Fred C. Fagergren Date: 12/16/64			
1	Chf, WODC	Approved <i>John A. Lennartson</i> Title: John A. Lennartson Date: 12/16/64			
1	GTNP, Accty	By: <i>John A. Lennartson</i> Title: John A. Lennartson Date: 12/16/64			
1	File	COSTS VERIFIED			
		BY <i>John A. Lennartson</i> Title: John A. Lennartson Date: 12/16/64			

Page 1

Grand Teton National Park

Project
NumberProject
Name

Six - Final

9/1 - 10/21/64

10/30/64

14-10-0210-486

February 21, 1964

October 30, 1964

Robert V. Burggraf

83,477.95

Utilities, Various Areas

10,205.54

Grand Teton National Park

93,683.49

14-10-0210-486

Water Systems - Colter Bay Campground Water Extension					AMOUNT TO DATE
1.	330	Lin. ft., 6" dia. C.I. Pipe	330	4.70	1551.00
2.	1375	Lin. ft., 2" dia. Galv. Steel Pipe	1375	1.70	2337.50
3.	120	Lin. ft., 1 1/2" dia. Galv. Steel Pipe	120	2.30	276.00
4.	2	Each, 2" Gate Valve w/6" box	2	6.00	12.00
5.	3	Each 1 1/2" Gate Valve w/6" box	3	60.00	180.00
6.	1	Each, Concrete Valve box w/6" Valve	1	670.00	670.00
Change Order No. 4, September 21, 1964					
100% Complete					300.00 5,209.20
Residential Area Water Extension, Colter Bay					
1.	970	Lin ft., 6" dia. C.I. Pipe	1015	5.40	5481.00
2.	275	Lin ft., 2" dia. Galv. Steel Pipe	175	2.10	367.50
3.	110	Lin ft., 1" dia. Galv. Steel Pipe	72	1.80	129.60
4.	1	Each, Concrete Valve box w/two 6" Valves and 2" Valve	1	860.00	860.00
5.	1	Each, Concrete Valve box w/6" Valve	1	600.00	600.00
6.	3	Each, 4" Fire Hydrant	2	580.00	1160.00 2,592.10
Lizard Point Campground Water System					
1.	1	Lump Sum, Steel Storage Reservoir 100%	Complete	6300.00	6300.00
2.	1	Lump Sum, Pump House and its appurtenances	100% Complete	9100.00	9100.00
3.	3365	Lin ft., 4" dia. C.I. Pipe	2964	4.40	13,041.60

RECOMMENDED (Project Supervisor)

CERTIFY AND

Change Order No. 1

- | | | |
|---|-----|----------|
| 1. Install and modify lift station No. 2 at Celter Bay Campground | Add | 2,450.00 |
| 2. Install and modify lift station No. 1 on main trunk line at Celter Bay | Add | 3,719.50 |

Change Order No. 2

- | | | |
|---|-----|--------|
| 1. Install 4-inch gate valve on pump line to the Lisard Point Storage Reservoir | Add | 129.28 |
| 2. Install additional fittings in the pumphouse at Lisard Point Campground | Add | 525.76 |

Change Order No. 3

- | | | |
|---|-----|--------|
| Furnish and install a complete upper assembly for pump unit in lift station No. 1, Celter Bay Development | Add | 381.00 |
|---|-----|--------|

Change Order No. 4

- | | | |
|--|-----|--------|
| Adjust existing concrete valve box on main water to the proposed campground. | Add | 300.00 |
|--|-----|--------|

Change Order No. 5

- | | | |
|--|-----|----------|
| Install drain lines from the water stations to the sewer lines.
638 lin ft @ 4.50 | Add | 2,871.00 |
|--|-----|----------|

DISCUSSION

If Park is Finance Office

Form 10-594
(Rev. 9-60)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Page 2

Grand Teton National Park

(Park)

Check One:

Monthly
Estimate☐Final
Estimate☒

UNIT PRICE CONTRACT

ESTIMATE NO. Six - Final		FOR (Period) 9/1 - 10/21/64		DATE 10/30/64	
CONTRACT NO. 14-10-0216-488		COMPLETION DATE February 21, 1964		EXTENDED DATE October 30, 1964	
CONTRACTOR Robert V. Burggraf				ORIGINAL CONTRACT \$ 83,477.95	
PROJECT Utilities, Various Areas				CHANGE ORDERS \$ 10,205.54	
LOCATION Grand Teton National Park				TOTAL CONTRACT \$ 93,683.49	

ITEM NO.	CONTRACT QUANTITY	DESCRIPTION	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
4.	1960	Lin ft., 2" dia. Galv. Steel Pipe	2906	1.70	4,940.20
5.	270	Lin ft., 1" dia. Galv. Steel Pipe	557	1.35	751.95
6.	11	Each, Campground Hydrant	11	132.00	1,452.00
7.	1	Each, Concrete Valve Box w/two 4" Valves	1	720.00	720.00
8.	6	Each, 2" Gate Valve w/C.I. Box	7	63.00	441.00
9.	303	Lin ft., 3/4" dia. Galv. Steel Pipe	303	1.25	378.75
10.	1	Each, 1" Gate Valve w/C.I. Box	3	57.00	171.00
11.	1	Each, Air-Release Valve	3	230.00	690.00
12.	3	Each, 1 1/2" Fire Hydrant	3	285.00	855.00
Change Order No. 2 July 8, 1964 100% Complete					655.04 39,496.54
Total Water Systems					53,303.84
Sewer System - Colter Bay Campground Extension					
1.	890	Lin ft., 8" dia. Conc. Sewer Pipe	909	3.70	3,363.30
2.	90	Lin ft., 8" dia. B&S C.I. Pipe	56	5.50	308.00
3.	447	Lin ft., 6" dia. Conc. Sewer Pipe	433	3.50	1,515.50
4.	50	Lin ft., 6" dia. B&S C.I. Pipe	130	4.50	585.00
5.	86	Lin ft., 4" dia. B&S C.I. Pipe	126	3.70	466.20
6.	7	Each, Concrete Manhole	7	370.00	2,590.00
7.	1	Each, Reconstruct Existing Manhole to Drop Manhole	1	155.00	155.00
8.	5	Lin ft., Sewer Cleanout	6	34.00	204.00
Change Order No. 1 October 30, 1963 100% Complete					6,169.50

RECOMMENDED (Protect Supervisor)

CITY OF

Brief History: Lizard Point Campground Water and Sewer Systems and
Electrical Control Line
PCF U-75-1 Water System and Electrical Control Line
PCF U-113 Sewer System

This project was a part of package contract for various areas in Grand Teton National Park.

The plans and specifications for the construction of utility systems at Lizard Point Campground were prepared by the WODC.

Five bids were received and opened on August 8, 1963. The award was made to Robert V. Burggraf Company of Idaho Falls, Idaho for the amount of 83,477.95. The original contract which had combined both the roads and utilities for various areas in the Park was reduced to award only the utility portion of the contract due to lack of minor road funds.

The water system in the area comprises (1) a 6" casing well with gasoline operated pump which is housed in a pump house; (2) 10,000 gallon steel reservoir; and (3) approximately 5500 lin. ft. of main and secondary distribution lines. An electrical control system was provided between the pump and the float switch in the reservoir.

The one change order on this project provided for one 4-inch gate valve on the pump line to the reservoir and for additional fittings in the pump house. This increased the project by \$525.16, however, no additional time was allowed.

The sewer system is an individual sewage disposal system for each of the three Comfort Stations and the Ranger Station. Each disposal unit has a septic tank and drain field.

No major problems were encountered throughout the project and the progress of the work was satisfactory.

L54 MRLW

JAN 10 1964

W O D C
JAN 13 1964

CHF	
ADM	
PER	
P & P	
ARCH	
L. A.	
SPEC	
CONT	
SFTV	
HABS	
ACTION TAKEN - DATE	

3-11-64

Memorandum

To: Superintendent, Grand Teton

From: Acting Assistant Regional Director

Subject: Supplemental Water Supply, Colter Bay and Jackson Lake
Lodge Areas, Grand Teton

Enclosed are copies of "Face Sheet for Completion Report" and "Brief History of Project B-43," which should be placed under Part D of Water Right Docket No. 12 - Supplemental Well Supply. We have prepared and are distributing by copy of this memorandum a divider for Part D under which the enclosed documents should be filed.

It is noted that the Face Sheet indicates the total cost of \$76,779.53 which includes the contract price, the authorized Change Orders and F&S Funds. This does not reflect the actual cost of development of the water supply, which is the normal figure pertinent to water resource activities.

(Sgt) Harry B. Robinson

Acting Assistant Regional Director

Enclosure

cc:
The Director (2)
Chief, WOBC (2)

Brief History of Project B-43
Additional Water Supply, Jackson Lake Lodge
And Colter Bay Areas
R.G.P. U-110

The plans and specifications for the construction of Additional Water Supply to Jackson Lake Lodge and Colter Bay Areas were prepared by the Western Office, Division of Design and Construction.

Bids were opened July 3, 1962, at the office of the Superintendent. There were seven bidders. The contract was awarded to Nelson Brothers Construction Company of Salt Lake City, Utah, for the amount of \$64,752.50.

The pump line, which included a line to Colter Bay supply line, was installed in a month and a half. The drilling operation encountered some difficulties with the hole collapsing continuously from the sides. The contractor had been using rotary rig for the drilling, and seeing that the drilling operation was not progressing as anticipated, he decided to use a percussion rig. The drilling progressed steadily and in approximately twenty days, at the average of ten feet per day, the operation was completed. Before the work was stopped due to adverse weather conditions in November, the contractor had completed a major part of the contract except for the construction of the pump house.

The work was resumed in the latter part of May, 1963, to complete the remainder of the project. The project was completed on July 19, 1963, and was accepted.

Some of the statistics of the well are:

1. Depth - 201 Lineal Feet
2. Perforation - 65 Lineal Feet
3. Diameter of Casing - 10 Inch
4. Draw Down - 3 feet
5. Gallons Per Minute - 280 Gallons
6. Horsepower (Motor) - 15

Other Supporting Information



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REGION TWO
Omaha, Nebraska

1955 FEB 2 AM 9:19

Address reply to:
Regional Director, Region Two
National Park Service

IN REPLY REFER TO:

154

JAN 31 1956

Memorandum

To: The Director

From: Regional Chief of Operations, Region Two

Subject: Water Rights, Permit 21286 and 21426, Grand Teton National Park

We have Mr. Dunn's memorandum of January 18 in regard to making final proof on the above permits. It is our understanding that there is equipment installed on the Meadow Creek Spring supply that would permit using this source to supply water to the Jackson Lake Lodge in an emergency at a lower head than that from the Pilgrim Creek Spring supply. However, equipment now installed at Meadow Creek Spring will not permit operation of this source of supply in conjunction with the supply from Pilgrim Creek.

The use of water in the Jackson Lake Lodge area during the past season was much heavier than had been anticipated. No doubt a considerable portion of this use was due to irrigation of new planting and use of water in connection with construction projects in the area. It is also rather difficult to figure water usage on a population basis for this area. The Lodge operates a large laundry that uses a lot of water. This laundry will also handle the laundry for the cabins, cafeteria, and store at Colter Bay when these facilities are placed in operation. In addition to the overnight population at the Lodge, there is also a large number of people who eat in the dining room and lunch counter who do not stay overnight.

We have not attempted to analyze all of Mr. Dunn's flow figures but Mr. Robertson has calculated the flow in the pipe line from the Pilgrim Creek Spring to the Jackson Lake Lodge reservoir and his calculations, which are shown below, do not seem to check with those of Mr. Dunn. The pipe line between the spring and the reservoir is all cement asbestos pipe except for several crossings of Pilgrim Creek where steel pipe was used. The difference in head between the spring and the inlet to the reservoir is 203.5 feet. While we feel confident that a coefficient of $C = 140$ can safely be used for cement asbestos pipe, a coefficient of $C = 130$ was used for this pipe in designing the system to take care of

loss of head in bends, valves, etc. C= 100 was used for steel pipe. Using Williams and Hazen Hydraulic Tables, Mr. Robertson shows the following calculations:

170 gal. per minute = 244,800 gal. per 24 hrs.

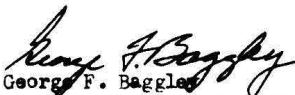
1560'	= 6" steel	= 1.56 x 4.51 =	7.0	loss of head per 1000'
8380'	= 4" cement asbestos	= 8.38 x 19.05 =	159.6	" " " " "
8720'	= 6" cement asbestos	= 8.72 x 2.79 =	24.3	" " " " "
			<u>190.9</u>	Total head loss

175 gal. per minute = 252,000 gal. per 24 hrs.

1560'	= 6" steel	= 1.56 x 4.74 =	7.4	loss of head per 1000'
8380'	= 4" cement asbestos	= 8.38 x 21.1 =	176.8	" " " " "
8720'	= 6" cement asbestos	= 8.72 x 2.94 =	25.6	" " " " "
			<u>209.8</u>	Total head loss

From the above the pipe line should deliver at least 170 gallons per minute to the reservoir or 0.378 cusecs.

It is quite apparent that the Pilgrim Creek Spring will not be able to provide sufficient water for both the Jackson Lake Lodge and the Colter Bay development when both are to be operated to capacity. The possibility of the insufficiency of the Pilgrim Creek Spring source to provide water for both areas was indicated in our memorandum of November 20, 1950. Since the use of water at the Lodge during its first full season's operation was greater than had been anticipated, we have been concerned with the need of supplying additional water for the two systems. The Park and the WODC are fully aware of the situation and the matter was discussed at some length with Mr. Oberhansley when he was in the Regional Office during the week of January 16 - 20.


George F. Bagley
Regional Chief of Operations

Copy to: Supt., Grand Teton NP
Chief, WODC

In reply refer to:
154-L

September 30, 1955

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Completion of Jackson Lake Lodge-Colter Bay Water System,
Water Right Permit 21286, Grand Teton

With copies of this memorandum, we are distributing copies of the notice of completion of construction of the subject water system, which should be filed at top of contents of Part B of Docket 12.

The Superintendent should now supply maps of the irrigated areas when they are fully developed at each area, and records of the total visitor and employee population on peak days of travel each year, so that we may determine when all water is beneficially used. The population should be segregated as to permanent employees, overnight guests, and transients. It will also help to have meter records of peak day water use if the system is provided with meters.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Grand Teton, with attachments
Western Office of Design and Construction, with attachments

Office of Chief, Western Office Div. of Design and Const.
OCT 5 1955 A.M.
Supv. Architect.....
Supv. Engineer.....
Supv. Landscape Arch.....
Safety Engineer.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Grand Teton National Park
Moose, Wyoming

In reply refer
L54

Office of Chief, Western Office Div. of Design and Const.	
MAY 23 1955 A.M.	
Supv. Architect	
Supv. Engineer	AS/23
Supv. Landscape Arch.	
Safety Engineer	

May 16, 1955

Memorandum

To: Regional Director, Region Two
From: Superintendent, Grand Teton National Park
Subject: Water Right Permit 21426, Docket 12, Grand Teton

This will acknowledge receipt of Mr. Baggle's memorandum of April 29 and Mr. Dunn's of April 21, regarding the Supplemental water supply system at Jackson Lake Lodge and the possibility of the use of this system at Meadow Creek Spring when the planners will face the problem of irrigation when the planting job of the Lodge grounds gets under way.

This is a fairly good 3" galvanized pipe water system with gasoline-driven centrifugal pump that pretty well covers the entire grounds of the Lodge area and is at the present time supplying water to the cabin area as well as the Lodge, until the necessary tie-ins are made by W. E. Barling, Inc. in their road and parking area work covered by their contract. This work will be started just as soon as the contractor can get his equipment in.

It would be advantageous to this Service to own the supplemental water system, not only for irrigation but for use in an emergency to supply the Lodge in case of a break in the present 6" transite line, such as we have recently experienced on six occasions. It will be necessary to place the proper valves in the line so that its use could be had immediately to supply the boiler system and provide a minimum amount of fire protection in an emergency.

As we understand it the system belongs to the Morrison-Knudsen Company but it would be uneconomical for that company to take their system up before they move out. We will explore the possibility of their willingness to leave the system in tact when their supervisor arrives in the park.

/s/ Frank R. Oberhansley
Superintendent

In duplicate

Forwarded to	W.D.C.
from	Regional Two Office
for	info
By: WE Roberts	Date: 5/19/55

In reply refer to:
L54-L

Office of	
Chief, Western Office	
of Design and Const.	
MAY 17 1955 A.M.	
Supv. Architect	
Supv. Engineer	<i>H. S. B.</i>
Supv. Landscape Arch.	<i>C. S. B.</i>
Safety Engineer	

May 12, 1955

Memorandum

To: Regional Director, Region Two

From: Chief, Water Resources Section

Subject: Water Right Permit 21426, Docket 12, Meadow Creek Spring,
Jackson Lake Lodge-Colter Bay Water System, Grand Teton

Attached are the original and a photostat copy of the State Engineer's acknowledgment of notices of commencement and completion of the Meadow Creek Spring unit of the subject water system, which should be filed at top of Part C of Grand Teton Docket 12. The originals should go to the Park.

We have also reported the commencement of construction of the Pilgrim Creek unit of the same water system, have noted final construction report on Lodge unit, and understand the Colter Bay unit is complete to reservoir and work is now under way on the distribution system at Colter Bay. As soon as the distribution system is complete, we should be notified in order to report the fact to the State Engineer. We need not wait for contract acceptance and final construction report if those details are not a matter of record before the end of 1955. The application indicated that construction would be complete within two years from December 31, 1953, and we should attempt to report the fact even if final tests and acceptance have not been made.

I am somewhat mystified by the suggestion in the memorandum of April 29 to the Superintendent from Mr. Baggeley, that the pump unit at Meadow Creek Spring may have been removed, and the memorandum of April 13 from Mr. P. E. Smith that the water will still be needed. The applications indicated that we did not expect to use all water from Pilgrim Creek for 10 years but that full use of the Meadow Creek Spring water would be made in two years, by the end of 1956. We can probably get an extension of time for the latter, but it was my idea that irrigation use this summer or next would permit final proof before the pump was removed, and eliminate the need for early restoration after the contractor removed his equipment.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

In duplicate

Attachments 4

Copy to: ~~Western~~ Office of Design and Construction

In reply refer to:
L54-L

April 21, 1955

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Water Right Permit 21426, Docket 12, Grand Teton

Office of Chief, Western Office Div. of Design and Const.
APR 25 1955 A.M.
Supr. Architect
Supr. Engineer <i>in 4/26</i>
Supr. Landscape Arch.
Safety Engineer
<i>Bennett 4/26</i>

Attached are two copies of the notices of ~~beginning and~~ completion of the supplemental pipeline at the Jackson Lake Lodge Area, to be filed at top of contents of Part C of Docket 12 in your office and the Park. Also attached are two copies of our letter to the State Engineer.

It will simplify matters and save much future labor and cost if the pump is operated at full capacity as soon as there is sufficient vegetation in the area to permit actual irrigation use of all water not needed for domestic purposes, and we are advised of the date. We can then report beneficial use and obtain the license.

From Mr. Smith's memorandum of April 13, there was a diversion and use of 57,600 gpd, or 0.089 sec.ft. That leaves 0.134 sec.ft. to apply to irrigation. At 1 sec.ft. to 70 acres, as authorized, there should be about 9.35 acres irrigated. It will be necessary to irrigate 15.6 acres if no water is used for domestic purposes. It is desirable to use and report the full quantity as soon as possible. Thereafter, the particular system can be treated as standby, but there must be adequate planted land, and records of population on the reported date.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

In duplicate

Attachments 4

Copy to: ~~Western~~ Western Office of Design and Construction, with attachments

In reply refer to:
154-L

April 13, 1955

REG. DIRECTOR	
ASST. REG. DIRECTOR	
CHIEF, DIV. OF ADMIN.	
CHIEF, DIV. OF OPERATIONS	
CHIEF, DIV. OF INTERP.	
CHIEF, DIV. OF COOP. ACT.	
FIELD SOLICITOR	
ACTION TAKEN	
FILE	

Memorandum

To: Chief, Water Resources Section
From: Acting Chief, Western Office, Division of Design and Construction
Subject: Water Right Application and Permit 21426, Docket 12, Grand Teton NP

With reference to your memorandum of March 30 to the Regional Director, Region Two, the following information is submitted.

Work on the water lines in Jackson Lake Lodge for connection to the Meadow Creek Spring was started by the Morrison-Knudsen Company the week of June 28 - July 3, 1953. The system, including intake works at the Spring and an 18,000-gallon reservoir, was completed during the week of September 12-26, 1953.

According to my weekly report, the peak employment of the Contractor was 322 during the period of August 31 - September 12, 1953. Estimating about 2 persons to a family for each employee, the number of persons in the camp is estimated at 650.

As to the amount of water used for construction during the peak period, a pure guess would be 17,000 gallons per day. This is based on my memory that the Contractor pumped water into the 18,000 gallon reservoir twice a day - say 30,000 gallons pumped per day - and the 650 residents used 20 gallons per day, or 13,000 gallons, leaving 17,000 gallons per day for construction purposes.

However, the Meadow Creek Spring was used as the water source for Jackson Lake Lodge until October 11, 1954, when water was supplied from the Pilgrim Creek source. During the summer of 1954 cabins were rented and the Contractor pumped about 57,600 gallons per day on some days. I estimate that the water used for construction purposes in the summer of 1954 was still about 17,000 gallons per day.

While the figures cited above are less than the 0.223 sec.ft., the 0.223 sec.ft. will be needed for domestic purposes and irrigation as stated in Permit 21426.

(Sgd.) Percy E. Smith

P. E. Smith
Acting Chief, Western Office
Division of Design and Construction

In duplicate

Copy to: Regional Director, Region Two
Superintendent, Grand Teton NP

C
-
O
P
Y

In reply refer to:
L54-L

March 30, 1955

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Water Right Application and Permit 21426, Docket 12, Grand Teton

Attached are the original and a copy of Permit 21426. The original is for the Park, and both should be filed in the folders for Docket No. 12, which were distributed on May 12, 1954.

This permit covers the diversion and use of water of Meadow Creek Spring, which served as the contractor's temporary water supply while constructing the Jackson Lake Lodge. Presumably we can report beginning and completion of construction, and possibly the full use of the water at 0.223 sec.ft. For these purposes, please send us the dates on which the construction was started and completed, to the best of your knowledge. Also supply the best estimate of number of employees of the contractor who were in camp at the peak, before the Pilgrim Creek Supply was put in use, with the approximate date. Also supply the best estimate of the quantity of water used for construction purposes during that period - presumably for concrete and dust laying.

A copy of the attachment is being sent to the Western Office of Design and Construction and it is requested that Mr. P. E. Smith supply the information if he thinks he is in the best position to do so.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

In duplicate

Attachment



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Grand Teton National Park
Moose, Wyoming

In reply refer to:
154-L GRTE

REG. DIRECTOR	
ASST REG DIR ADM	
ASST REG DIR DEC	
ASST REG DIR	
ADM. OFFICER	
ASST. ALTERNATE	
COMMISSIONER	
CONSTRUCTION	
ENGINEERING	
FOREST	
GEOL.	
INSPECTION	
LABORATORY	
LEGAL	
PLANT	
RECORDS	
TRAINING	
WATER	
WILDLIFE	
WILDERNESS	
WYOMING	
ACTION TAKEN	

To: Regional Director, Region Two

From: P. E. Smith

Subject: Water Rights for Supplemental Supply to Jackson Lake Lodge-
Colter Bay Water System, Grand Teton National Park

In reply to Mr. McLaughlin's memo of October 28, you are advised that the pump is a Fairbanks-Morse centrifugal pump with an International 6-cylinder gas engine pumping 100 GPM.

The surface flow measurement by M-K was 23 GPM. There has been no measurement of the spring flow since the installation but, at a discharge of 100 GPM, the drawdown is 1-1/4" in the 48" corrugated metal pipe. The drawdown of 1-1/4" occurs at the beginning of pumping and stays at 1-1/4" during the pumping period. The flow of the spring is greater than 100 GPM.

M-K is using approximately 18,000 GPD. The construction population with estimated consumption is as follows:

172 trailer inhabitants @ 50 GPC	8600
27 residence inhabitants @ 50 GPC	1350
178 dormitory inhabitants @ 30 GPC	5340
	15290
Construction purposes	2710
	18000 GPD

C. C. MAILED TO:
11-20-53
By: [Signature]
Date: 11-11-53

None of the water from the spring was used for dust-laying as water was obtained from the pond at the intersection of the wye of Routes 26, 89, and 287.

M-K estimates the cost of installation as \$26,000.

I have corrected the drawings to show the location of the reservoir and details of diversion.

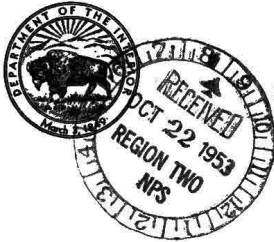
Returned herewith is a single application for appropriation of water, and two corrected prints.

[Signature]
P. E. Smith
Chief, General Engineering Branch

In duplicate

Attachments

REC'D FILES NOV 25 1953



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D. C.

In reply refer to:
154-I

October 20, 1953

Memorandum

To: Regional Director, Region Two

From: Chief, Water Resources Branch

Subject: Water Rights for Supplemental Supply to Jackson Lake Lodge
Colter Bay Water System, Grand Teton National Park

REG. DIRECTOR	
ASST REG DIR ADM	
ASST REG DIR DAC	
ASST REG DIR	
ADM. OFFICER	
ASST. ADM. OFFICER	
COUNSEL	
CONCESSIONS MGT.	
FORESTRY	
ARCHITECTURE	
ENGINEERING	
LAND	
PLANNING	
PROG. MGMT. SEC.	
HISTORY	
NAT. HISTORY	
LAND & NAT. RES.	
RIV. BASIN R.C. SUR.	
REG. DIR. SECY	
ACTION TAKEN	

Attached are a single copy of skeleton application for appropriation of water at the spring now serving the contractor Jackson Lake Lodge and three advance prints of a map to accompany it. Please return the application form without mutilation, with your comments. The return of a map is only needed if necessary to illustrate your reply.

In answer to question 8, we should have the capacity of the pump and any records of spring flow which may have been made by others than Mr. Gordon Robertson. Mr. Robertson states that there was a pump test which he thinks yielded 300 gpm with 2-inch drawdown in 4 or 5 hours, but he could only pick up about 30% of that amount as surface flow.

The estimated cost is left blank in the hope that you can supply a figure.

In remarks on page 3, I propose to state that this is a temporary supply for the contractor, to replace the old supply from Spring B which is subject to pollution, and will become a supplemental supply for the Lodge at the peak of the season and in winter. In the hope that proof may be made soon, we should like to know the approximate population served during construction, broken down into those using normal residential facilities at about 50 gpc, those sharing community lavatories at about 30 gpc, and those using about 15 gpc as day labor. We should also have some estimate of the water demand for construction purposes, dust laying, etc.

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

In duplicate

Attachments

C. C. MAILED TO:	
<i>E. Smith</i>	<i>John H. Smith</i>
<i>at attachment and air</i>	
<i>memorandum</i>	
By <i>MD</i>	Date <i>10-21</i>

REC'D FILES OCT 30 1953

Form A

PERMIT No.

Notice of Completion Received

Proof Submitted

APPLICATION FOR A PERMIT TO DIVERT AND APPROPRIATE THE WATER OF THE
STATE OF WYOMING

Water Division No.

District No.

I, Director, National Park Service
of Washington, County of District
District of Columbia, State of District,
being duly sworn according to law, upon my oath say:

1. The name of the applicant is United States of America (for Grand Teton National Park)

2. The postoffice address of the applicant is Director, National Park Service, Department of the Interior, Washington 25, D. C.

3. The use to which the water is to be applied is domestic purposes at Jackson Lake Lodge - see Remarks, page 3

4. The name of the ditch, canal, pipe line or other facility is Jackson Lake Lodge-Culter Bay Water System

5. The source of the proposed appropriation is nameless spring ("A" on map) tributary to Meadow Creek which is a tributary of Snake River

6. The point of diversion of the proposed works is located N. 32°38' E. 4945.4 feet distant from the SW corner of Section 8 T. 45 N. R. 114 W. and is in the NW 1/4 of NE 1/4 of Section 8 T. 45 N. R. 114 W.

7. The said ditch, canal, pipe line or other facility is to be 0.222 miles long.

8. The carrying capacity of the ditch, canal, pipe line or other facility at the point of diversion is cu. ft. per sec.

9. (a) The nature of the material to be moved is earth and rock

(b) Number, length and size of tunnels --

(c) Number, length and size of flumes --

10. The estimated cost of said work is Dollars.

11. Construction work will begin within one year from date of approval of this application.

12. The time required for completion of the works is 1 year from December 31st, 19 33

13. The time required to complete the application of water to the beneficial uses stated in this application is year from December 31st, 19 33

14. The accompanying map is prepared in accordance with the Manual of Regulations and Instructions for Filing Applications in the State Engineer's Office and is hereby declared a part of this application.

[illegible]

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE } ss.

THIS IS TO CERTIFY that I have examined the foregoing application and have rejected same for the following reason: _____

Witness my hand this _____ day of _____, A. D. 19_____

State Engineer.

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE } ss.

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions: _____

Construction of proposed work shall begin within one year from the date of approval.

The time for completing the work shall terminate on December 31, 19_____.

The time for completing the application of water to beneficial use shall terminate on December 31, 19_____, and final proof of appropriation shall be made within five years thereafter.

The amount of appropriation shall be limited to one cubic foot per second of time for each seventy acres of land reclaimed on or before December 31, 19_____, except as provided in Section 71-310, Wyoming Compiled Statutes, 1945, and the additional volume used for _____ purposes on or before said date.

Witness my hand this _____ day of _____, A. D. 19_____

State Engineer.

Filing No. _____	Original Permit No. _____
Application for a Permit to Divert and Appropriate the Water of the State of Wyoming	
Division No. _____	District No. _____
Applicant _____	
Address _____	
Ditch _____	
Source _____	
Acreage _____	
THE STATE OF WYOMING, STATE ENGINEER'S OFFICE This instrument was received and filed for record on the _____ day of _____ at _____ o'clock _____ M. _____ A. D. 19____	
Recorded in Book _____ of Applications, on Page _____ FORM A - 10 - 98 Fee Paid \$ _____ Map filed _____	

NOTICE

A Manual of Regulations and Instructions for Filing Applications will be furnished by the State Engineer's Office upon request. By carefully complying with the instructions contained in the Manual, much trouble and delay will be saved the applicant, the surveyor, and the State Engineer's Office.

This application must be accompanied by maps in duplicate, prepared in accordance with the Manual, and by a filing fee of two dollars.

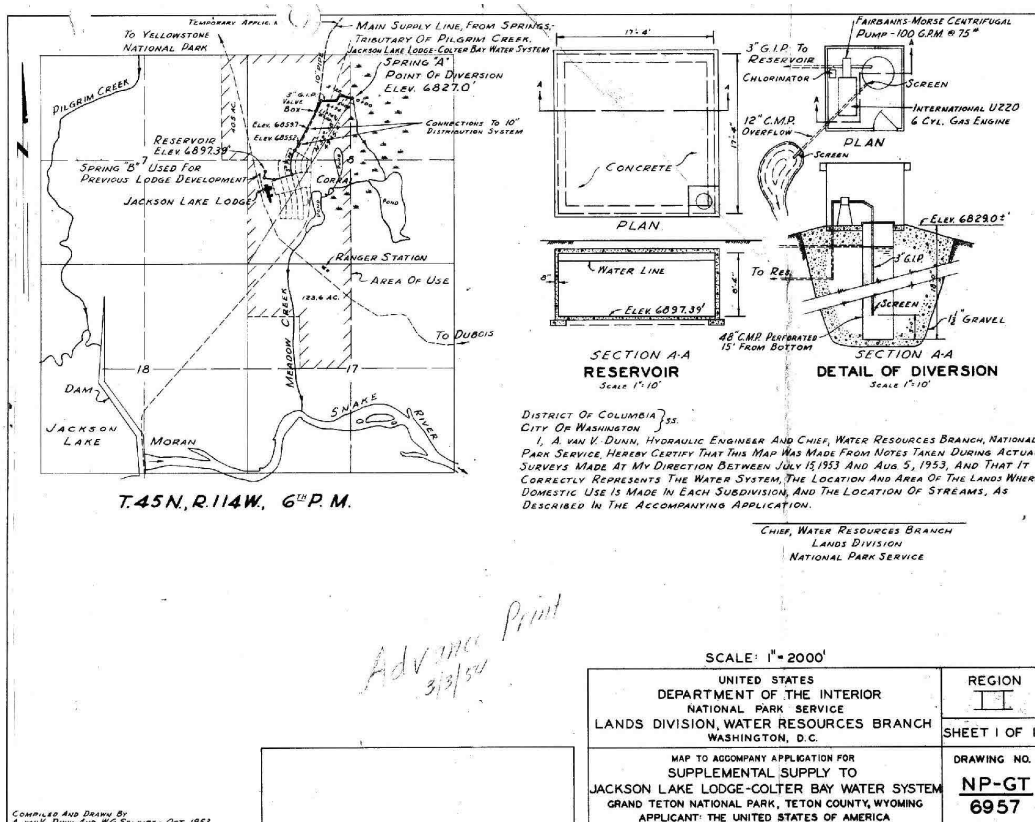
Applications returned for corrections must be resubmitted to the State Engineer within ninety days with the corrections properly made; otherwise the filing will be canceled.

This application when approved does not constitute a complete water right. It is your authority to begin construction work, which must be commenced within one year from the date of approval of this application.

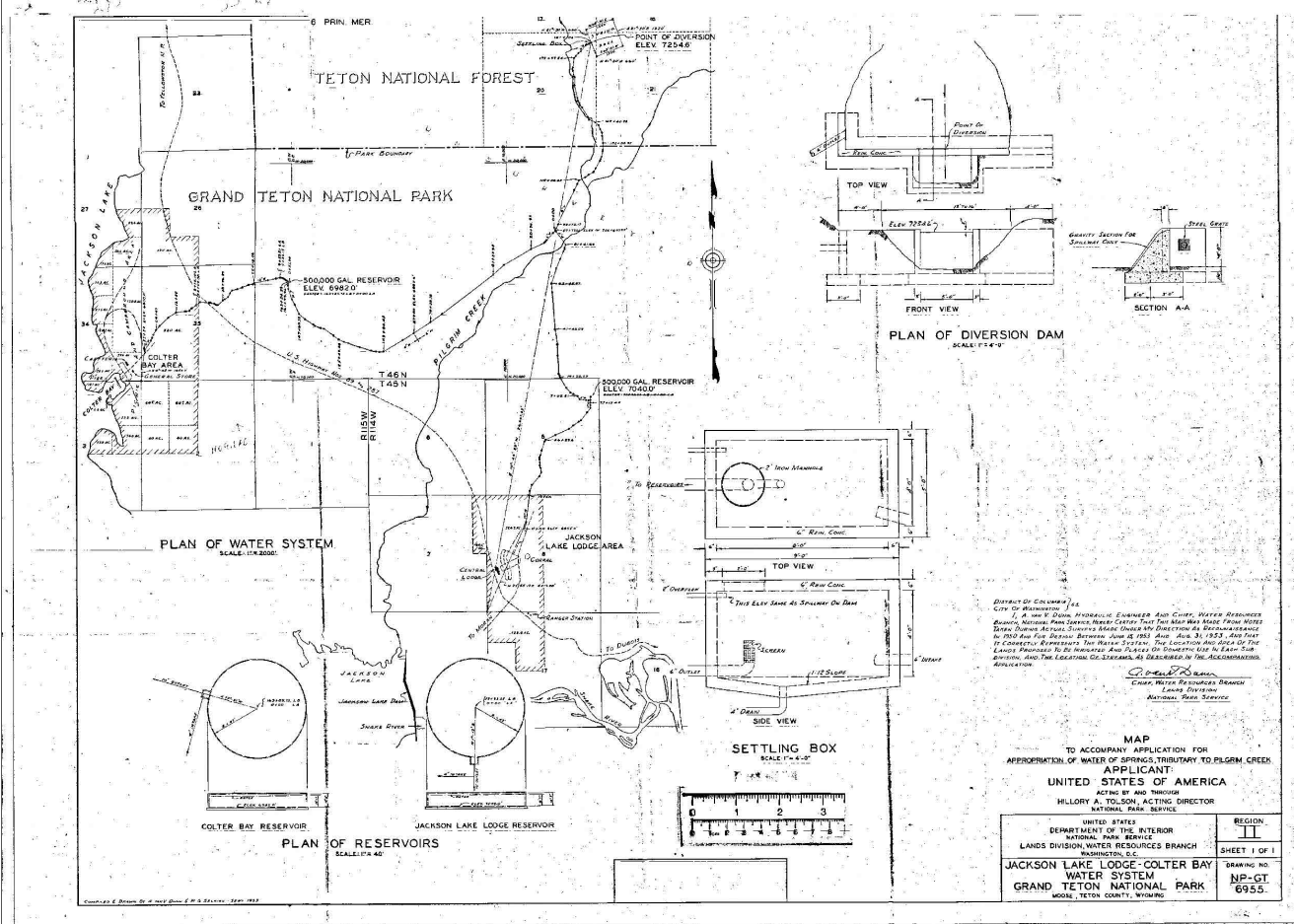
Notice of commencement of work, completion of the work, and of application of the water to the beneficial uses described in the permit, should be filed in the State Engineer's Office before the expiration of the time allowed in the permit.

Requests for extensions of time within which to begin construction, to complete the work, and to make beneficial application of the water must be in writing, stating why the additional time is required, and must be received in the State Engineer's Office before the expiration of the time allowed in the permit.

To perfect your water right, notify your Division Superintendent that you are ready to submit final proof. This notice should be sent to the Superintendent as soon as possible after you apply the water to the beneficial uses described in your permit. When you have submitted your proof before the Superintendent it will be considered by the State Board of Control, and, if found to be satisfactory, the Board will issue to you a Certificate of Appropriation which will constitute a completed water right.



REC'D FILES MAR 11 1954



Docket Information

Number of Documents in Docket 49

Documents Dated from 6/28/1953 to 10/20/1966

Docket Compiled: 3/30/2011