



WATER-RIGHT DOCKET

Bryce Canyon National Park

Docket No: 3

WELL #2.

State Water Rights Documentation

04-30-1982: Letter from natural resources and energy on application being permanently lapsed; april 30, 1982



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Water Rights

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

FORM 17

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer



April 30, 1982

National Park Service
William L. Mekeel, Chief
Division of Water Resources
655 Parfet Street--P.O. Box 25287
Denver, CO 80225

DEAR APPLICANT:

RE: APPL. NO. 30802 (61-148)

WE REGRET TO NOTIFY YOU THAT UNDER THE LAW THE ABOVE-NUMBERED APPLICATION HAS PERMANENTLY LAPSED. YOU HAVE LOST THE RIGHT INITIATED BY THIS APPLICATION.

IF YOU ARE USING THIS WATER WITHOUT PROPER AUTHORITY, YOU ARE PERFORMING AN ILLEGAL ACT AND MUST DISCONTINUE THIS PRACTICE UNTIL PROPER PROCEDURES HAVE BEEN FOLLOWED.

IF YOU HAVE FURTHER QUESTIONS THAT WE MIGHT ANSWER OR IF WE CAN ASSIST YOU IN SOLVING THE PROBLEMS CREATED BY YOUR ALLOWING THIS APPLICATION TO LAPSE, WE WILL BE HAPPY TO DO SO.

YOURS TRULY,


DEE C. HANSEN, P.E.
STATE ENGINEER

cg

Deputy State Engineer/Earl M. Staker Directing Engineers/Harold D. Donaldson • Donald C. Norseth
Stanley Green • Robert L. Morgan

an equal opportunity employer • please recycle paper



United States Department of the Interior

NATIONAL PARK SERVICE
ROCKY MOUNTAIN REGIONAL OFFICE
655 Parfet Street
P.O. Box 25287
Denver, Colorado 80225

IN REPLY REFER TO:

L54 (RMR-ML)

January 18, 1982

Memorandum

To: Files

From: Water Resource Specialist, Rocky Mountain Region

Subject: Bryce Canyon Water Right, Federal Docket No. 3,
30802 (61-148)

Subject well was drilled in 1959 to provide additional domestic water. Drilling was started on May 8, 1959 and completed September 20, 1960. The well was 2,000 feet deep and cost about \$70,000. Pump testing produced over 200 gallons per minute of extremely poor quality water.

Five years after the well had been completed the water, due to poor quality, had not been put to beneficial use and to keep the permit from lapsing a six year extension of time, to November 30, 1970, was requested. Subsequent extensions were requested, to October 18, 1981.

In 1976, which was the end of the fourteen year period requiring a hearing for approval of further extension of time, discussions were held with the Superintendent to determine if there was a reasonable possibility the water would ever be used. It appeared at the time that the only conceivable way the water could be used, due to the extremely poor quality and offensive odor, would be to dilute it with at least an equal part of good quality water. This would entail a lot of piping, storage tanks and a mixing capability with a tremendous cost. Since alternative sources of water had not been developed it was decided to request a five year extension of time pending such development.

It appeared at the required hearing on October 12, 1977 at the Garfield County Courthouse in Panguitch, Utah, explained the above described condition and although reluctant the hearing officer agreed to extend the permit for another five years. His reaction was that if a water source couldn't be developed in 20 years the chances were good that it never would be developed. I was inclined to agree.

During the five year extension period, alternate sources of good quality water were found and developed by renovating an existing well and drilling a new well. When the notice that the extension would expire on November 30, 1981 was received I discussed the matter by telephone with Superintendent

★ Year of
the
Visitor

2

Bob Benton. He was of the opinion that with the new water sources, the poor quality of the deep well water and the high cost of using the water by dilution with other sources it was a lost cause and agreed to let the permit lapse.



Bill Mekeel
Water Resource Specialist
Rocky Mountain Region



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Water Rights

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

FORM 20

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

*Bryce
Hackett*

February 18, 1982

National Park Service
William L. Mekeel, Chief
Division of Water Resources
655 Parfet Street--P.O. Box 25287
Denver, Colorado 80225

Dear Applicant:

RE: Appl. No. 30802 (61-148)

The above-numbered application lapsed on November 30, 1981 because neither proof of appropriation nor extension of time request was received on or before that date.

Under Utah Laws, if an application has lapsed because proof was not submitted or an election was not filed (in areas under an adjudication order of the court) or an extension of time was not requested with proper showing of diligence, it may be reinstated within sixty days after notice of lapsing.

REQUEST FOR REINSTATEMENT CANNOT BE RECEIVED LATER THAN SIXTY DAYS FROM THE DATE HEREOF. IF YOUR APPLICATION IS REINSTATED, ITS PRIORITY DATE WILL BE CHANGED TO THE DATE ON WHICH REQUEST FOR REINSTATEMENT IS FILED.

Yours very truly,

Dee C. Hansen
Dee C. Hansen, P.E.
State Engineer

ta

Deputy State Engineer/Earl M. Staker Directing Engineers/Harold D. Donaldson • Donald C. Norseth
Stanley Green • Robert L. Morgan

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FORM 11

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

EARL M. STAKER
DEPUTY

200 EMPIRE BUILDING
231 EAST 400 SOUTH
SALT LAKE CITY, UTAH 84111
(801) 533-6071

November 4, 1981

WATER RIGHTS
1636 West North Temple, Rm 220
Salt Lake City, Utah 84116

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN
ROBERT L. MORGAN

National Park Service
William L. Mekeel, Chief
Division of Water Resources
655 Parfet Street - P. O. Box 25287
Denver, Colorado - 80225

Boyer file
Wm

Dear Applicant;

RE: Appl. No. 30802 (61-148)

It is noted from our files that you have only fourteen more days in which to submit proof before the lapsing of your application.

This letter is sent to remind you to have your proof or request for extension of time filed in this office before the proof-due date of your application which is November 30, 1981.

Enclosed is a request for extension of time form in case you have misplaced the one previously sent to you.

Yours truly,


Dee C. Hansen, P.E.
State Engineer

jp
Enclosure: Request Form 30



FORM 18

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER
EARL M. STAKER
DEPUTY

231 EAST 4TH SOUTH
SALT LAKE CITY, UTAH 84119
(801) 533-6071

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN
ROBERT L. MORGAN

September 30, 1981

National Park Service
William L. Mekeel, Chief
Division of Water Resources
655 Parfet Street, P.O. Box 25287
Denver, CO 80225

*Byrd filed
Wm*

Dear Applicant:

RE: Application No. 30802 (61-148)

To appropriate water in Utah you must receive approval of an application, complete the intended development work and submit proof that the water had been put to beneficial use. Upon submission of satisfactory proof, a certificate will be issued, which is your evidence of a water right. Our records indicate that you have not made proof of appropriation or change on your application. This is due November 30, 1981.

Proof must be prepared by a registered engineer or land surveyor and must be filed in this office on or before the above proof-due date. Failure to make proof by this due date shall cause the application to lapse. Blank forms for submitting proof will be sent upon request.

If proof cannot be submitted at this time, an extension of time may be requested by completing the enclosed form and submitting the request in affidavit form on or before the proof-due date. Since fourteen years or more have elapsed since approval of your application, your request for extension of time can only be granted after publication of notice of such request and a hearing before the State Engineer. The fee for filing this request is \$37.50. Submission of a request for an extension of time in no way guarantees that it will be granted. An extension can be granted only after the applicant has made a showing of diligence at the hearing before the State Engineer.

Yours truly,


Dee C. Hansen, P.E.
State Engineer

dvg

Enc.: Form 30
Certified Mail

PROOF DUE - ADVERTISING REQUIRED



FORM 19

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114
(801) 533-6071

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN

December 8, 1977

National Park Service
William L. Mekeel, Chief
Division of Water Resources
655 Parfet Street, P.O. Box 25287
Denver, Colorado 80225
Dear Applicant:

RE: Appl. No. 30802 (61-148)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above-numbered application has been considered and the time for receiving Proof of Appropriation is hereby extended from October 18, 1976 to November 30, 1981 inclusive.

This extension is granted in accordance with the law which states: "The construction of the works and the application of water to beneficial use shall be diligently prosecuted to completion within the time fixed by the state engineer. Extensions of time ... may be granted by the state engineer on proper showing of diligence or reasonable cause for delay... In the consideration of an application to extend the time in which to place the water to beneficial use under an approved application, ... the state engineer shall deny such extension and declare the application lapsed, unless the applicant affirmatively shows that he has exercised or is exercising reasonable and due diligence in working toward completion of the appropriation."

I earnestly recommend that you complete your development and submit Proof of Appropriation at the earliest possible date.

Yours very truly,


Dee C. Hansen
State Engineer

jm

EXTENSION GRANTED



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

(801) 533-6071

October 3, 1977

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN

National Park Service
William L. Mekeel, Chief
Division of Water Resources
655 Parfet Street
P.O. Box 25287
DENVER CO 80225

RE: Application No. 30802 (61-148)

Dear Applicant:

This is to notify you of a hearing to consider the extension of time on the above-numbered application. The hearing will be held at 9:00 A.M., Wednesday, October 12, 1977, at the Garfield County Courthouse in Panguitch, Utah.

Extensions of time beyond fourteen years since the date of approval may be approved only after a hearing before the State Engineer to consider the diligence shown or cause for delay and to hear any protests, written or verbal, to the granting of the extension. It is suggested that the applicant or his representative attend the hearing to support his request and answer any protests.

Yours very truly,

Stanley Green
Directing Appropriations Engineer

SG:jb

*10/12/77
Hearing attended -
no protests
Application for extension of
time was approved and
signed. Wm.*

**NOTICE TO
WATER USERS**

Notice is hereby given that the U.S. National Park Service, c/o Richard Ketcham of 1709 Jackson Street, Omaha, Nebraska 68102, has filed a request for extension of time with the State Engineer to make and submit proof of appropriation under Application No. 30802 (61-148) covering 0.75 cfs. of underground water in Garfield County, Utah for domestic purposes.

It is represented that a 2000 ft. well was drilled in 1960 at a cost of \$69,332.00. The water was of poor quality and the only possibility of using the water would be by dilution with other sources. It is estimated that piping required for a distribution system will cost approximately \$60,000. Additional time is needed to complete the project and to make and submit proof of appropriation.

Protests resisting the granting of this request with reasons thereof must be filed in duplicate with the State Engineer, 442 State Capitol, Salt Lake City, Utah 84114, on or before October 8, 1977.

A hearing will be held on this request before the State Engineer at 9:00 a.m., Wednesday, October 12, 1977, in the Garfield County Courthouse in Panguitch, Utah. Protestants should appear at the hearing.

Dee C. Hansen
State Engineer

Published in the
Garfield County News
August 25, September 1
and 8, 1977.



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER
JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114
(801) 533-6071

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN

October 20, 1976

National Park Service
655 Parfet Street
P.O. Box 25287
Denver, Colorado 80225

ATTN: W. L. MEKEEL

Gentlemen: RE: ORDER NO. PX120070116

Item No.	Article	Amount
1	Request for Ext. of Time for Water Right Application No. 30802 (61-148)	\$37.50

NSP Water Rights Docket No. BRCA-3

Very truly yours,

A handwritten signature in cursive script, reading "Dee C. Hansen".

Dee C. Hansen, State Engineer

I N V O I C E

L54 (RMR)PN

October 14, 1976

Mr. Robert Morgan
State of Utah
Department of Natural Resources
Division of Water Rights
442 State Capitol
Salt Lake City, Utah 84114

Dear Mr. Morgan:

Please find enclosed our Request for Extension of Time for application number 30802 (61-148) at Bryce Canyon National Park.

We are also enclosing our purchase order in the amount of \$37.50 to cover the filing fee.

All National Park Service areas in the State of Utah are now serviced by the Rocky Mountain Regional Office here in Denver instead of the Midwest Region in Omaha, which apparently still appears on some of your records. In the future we would appreciate your directing any matters pertaining to Water Resources or Water Rights to the following address:

National Park Service
Rocky Mountain Regional Office
655 Parfet Street, P.O. Box 25287
Denver, Colorado 80225
Attn: William L. Mekeel

Sincerely yours,

William L. Mekeel

William L. Mekeel
Chief, Division of Water Resources

Enclosure s 2

cc:

RMR-PN, Mr. Mekeel

WLMekeel:jfh - October 14, 1976

Form 30

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(After Fourteen Years)

APPLICATION NO. 30802)
STATE OF UTAH)
COUNTY OF Garfield)

Applicant's Present Address

As below

William L. Mekeel, being first duly sworn says that he is the (agent of the) owner of the above-numbered application; that he knows of his own knowledge of the construction of works completed to date.

Describe briefly the type and extent of construction completed to date; cost of this construction, and the estimated cost of any remaining construction to be done for completion of project and to submit proof of appropriation. Give reasons why the work could not be completed and water put to beneficial use within time heretofore allowed.

A 2,000 foot well (telescoped from 16" to 10") was drilled in 1960 at a cost of \$69,332.00. Due to the extremely poor quality of the water produced by the well, the only possibility for using the water will be by dilution with other sources of good quality water. It is estimated the additional piping required for a distribution system will cost approximately \$60,000. (It was erroneously reported on the last Request for Extension of Time that 8,000 feet of CI pipe at a cost of \$24,000 had been added to the system). It is uncertain as to when funds will become available to accomplish this project or replacement of the present well, consequently an extension of time is requested.

Request is made for reinstatement and extension of time for filing proof

from October 18, 19 76, to October 18, 19 81.

Affiant understands he will be notified of a hearing date, at which time he or his representative must attend, be able to defend data given above, and answer any protests thereon; and affiant upon oath states that the information given above is to the best of his knowledge true and correct. ~~\$28.00~~ \$37.50 tendered herewith for publishing notice to water users.

William L. Mekeel, Chief, Division of Water Resources, National Park Service, Rocky Mountain Regional Office, 655 Parfet Street, P.O. Box 25287, Denver, Colorado 80225

APPLICANT

(If a corporation, give title of officer signing)

Subscribed and sworn to before me this 15th day of October, 19 76.

Mary E. Greenwald
NOTARY PUBLIC

FOR OFFICE USE ONLY

REQUEST RECEIVED _____ ADV. FEE \$37.50 ~~\$28.00~~ RECD. _____ by _____

RECEIPT NO. _____ NOTICE PUBLISHED WEEKLY IN _____

BEGINNING _____ AND ENDING _____

PROOF DUE DATE _____ 14 YEAR PERIOD ENDS _____

HEARING _____

APPLICANT DID APPEAR _____ APPLICANT DID NOT APPEAR _____

APPLICANT REPRESENTED BY _____

REMARKS _____

RECOMMENDED DISPOSITION: _____

FORM 10-131 (APRIL 1964)		PURCHASE ORDER																			
UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE Rocky Mountain Regional Office 655 Parfet Street P. O. Box 25287 Denver, Colorado 80225 PH: (303) 234-2792 (ISSUING OFFICE)		REQUISITION NO. Mekeel DATE OF ORDER October 13, 1976 ACCOUNTING CLASSIFICATION 1242-414 (2500N)	THIS NUMBER MUST APPEAR ON ALL PACKAGES AND PAPERS RELATING TO THIS ORDER ORDER NUMBER PX120070116																		
VENDOR'S NAME AND ADDRESS State of Utah Division of Water Rights XXXXXXXXXXXXXXXXXXXX 442 State Capitol XXXXXX Salt Lake City, Utah XXXXXX		SHIP TO: (Consignee and Address;) National Park Service 655 Parfet Street P. O. Box 25287 Denver, CO 80225 ATTN: Mr. W. L. Mekeel																			
CONTRACT NO. Open Market	DISCOUNT TERMS Net	SHIP VIA																			
DELIVERY: F.O.B. Destination		TIME FOR DELIVERY ASAP	GOVT. B/L NO.																		
<table border="1"> <thead> <tr> <th>ITEM NO.</th> <th>ARTICLES OR SERVICES</th> <th>QUANTITY ORDERED</th> <th>UNIT</th> <th>UNIT PRICE</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td> Fee for filing Request for Extension of Time for Water Right Application No. 30802 (61-148) NPS Water Rights Docket No. BRCA-3 </td> <td></td> <td>LUMP SUM</td> <td></td> <td>\$37.50</td> </tr> <tr> <td colspan="5">TOTAL</td> <td>\$37.50</td> </tr> </tbody> </table>				ITEM NO.	ARTICLES OR SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	1.	Fee for filing Request for Extension of Time for Water Right Application No. 30802 (61-148) NPS Water Rights Docket No. BRCA-3		LUMP SUM		\$37.50	TOTAL					\$37.50
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TOTAL					\$37.50																
SIGNATURE		NAME AND TITLE Joseph Gernat, Jr. Purchasing Agent PURCHASING OFFICER																			
		6. MEMORANDUM COPY																			

Form DI-1
(Rev. 4-56)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
REQUISITION**

Page 1 of Pages

To		Bureau or Office	Requisition Number
Procurement		NPS RMR-PN	Date
Appropriation and Allotment or Project No. 1242-414		Charge shipping costs to	10/13/76
Vendor		Deliver to	
State of Utah Division of Water Rights Southeastern Area Office P.O. Box 718 442 State Capitol Salt Lake City, UT 84114		National Park Service Rocky Mountain Regional Office 655 Parfet Street P.O. Box 25287 Denver, Colorado 80225	

ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Fee for filing Request for Extension of Time for Water Right Application No. 30802 (61-148) NPS Water Rights Docket No. BRCA-3	Lump	Sum		\$37.50

For Use When Additional Approval is Required		Requisitioned by (Signature)	
Bureau Officer		<i>J. Hitchcock</i>	
(Signature) _____ (Date) _____		Title	
Title		Clerk-Typist	
		Approved by (Signature)	
		<i>William H. Michael</i>	
		Title	
		Chief, Div. of Water Resources, RMR-PN	

Prepare in single space typing. Use double space between items. Fill out top of requisition completely, showing complete shipping instructions and appropriation if different from that to which requisition is chargeable.

BRCA #3

Rev 1/28



FORM 19

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114
(801) 328-6071

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
EARL M. STAKER

January 25, 1974

Richard Ketcham
National Park Service
1709 Jackson Street
Omaha, Nebraska 68102

Dear Mr. Ketcham:

RE: Appl. No. 30802 (61-148)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above application has been considered and the time for receiving proof is hereby extended from November 30, 1970 to October 18, 1976, end of 14-year period inclusive.

Yours truly,

Dee C. Hansen
State Engineer

pd

EXTENSION GRANTED

P. S. Although this extension is granted in accordance with the provisions of the law, I earnestly recommend that you proceed to prepare and submit proof at the earliest possible date. One cannot foresee what contingencies might arise in the future; the present possession of your certificate might stand you in good stead.

LS4(WSC)LWW
BRCA/WR#3

November 13, 1970

AIRMAIL

State Engineer's Office
Division of Water Rights
Department of Natural Resources
442 State Capitol
Salt Lake City, Utah 84114

Gentlemen:

In response to your October 1, 1970, letter, enclosed is a request for extension of time for Application No. 30802 for a well at Bryce Canyon National Park. A check for \$25 from the U. S. Treasury Department for the publication of "Notice to Water Users" will be forwarded under separate cover.

Sincerely yours,

(Sgd)

D. C. Barrett
Acting Chief, Water Resources Section
Office of Land Acquisition and
Water Resources

Enclosure

cc:

Chief, MW-WASO
Director, Southwest Region
Superintendent, Bryce Canyon

FORM 29

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(Before Fourteen Years)

APPLICATION NO. 30802
STATE OF UTAH
COUNTY OF Garfield

Donald C. Barrett, being first duly sworn that he is the (agent of the) owner of the above-numbered application; that he knows of his own knowledge of the construction of works completed to date.

Describe briefly the type and extent of construction completed to date; cost of this construction, and the estimated cost of any remaining construction to be done for completion of project and to submit Proof of Appropriation. Give reasons why the work could not be completed and water put to beneficial use within time heretofore allowed.

We have drilled a telescoped well (from 16" to 10" in diameter) to a depth of 2000' at a cost of \$69,332.00. This well was tied into the existing water system by adding 8,000' of C.I. pipe at an additional cost of \$24,000.00. Further development is anticipated in this area; an extension of time is requested as the source is not yet put to full beneficial use.

Request is made for reinstatement and extension of time for filing proof

from November 30, 19 70 to November 30, 19 75

Affiant understands he will be notified of a hearing date, at which time he or his representative must attend, be able to defend data given; and affiant upon oath states that the information given above is to the best of his knowledge true and correct.

Donald C. Barrett; Acting Chief, Water Resources
Section, Office of Land Acquisition and Water Resources,
P.O. Box 36025, 450 Golden Gate Ave., San Francisco
Calif. 94102

Donald C. Barrett
APPLICANT

(If a corporation, give title of officer signing)

Subscribed and sworn to before me this 13TH day of November, 19 70

A. Douglas
DEPUTY COUNTY CLERK
NOTARY PUBLIC
NORTHERN DISTRICT OF CALIFORNIA

FOR OFFICE USE ONLY

PROOF DUE DATE _____ 14 YEAR PERIOD ENDS _____

HEARING _____

APPLICANT DID APPEAR _____ APPLICANT DID NOT APPEAR _____

APPLICANT REPRESENTED BY _____

REMARKS _____

RECOMMENDED DISPOSITION: _____

L54-SM

Southwest Region
P.O. Box 728
Santa Fe, New Mexico 87501
OCT 23 1970

Memorandum

**To: Director, WSC
Attention: Chief, Water Resource Section**

From: Assistant Director, Park Support Services

Subject: Proof Due - Application No. 30802

We are enclosing the notice that proof is due on the subject application prior to November 30, 1970.

This application number is for the deep well at Bryce Canyon.

We are also enclosing Form 29 and suggest that you request a five-year extension of time because water has not been placed to beneficial use.

/s/ Monte E. Fitch

In duplicate
Enclosures

cc:
General Superintendent, Southern Utah Group (2)



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

Form 21 United States of America October 1, 1970
for Bryce Canyon National Park
National Park Service
Box 1728
Santa Fe, New Mexico

NPS- Bryce Canyon

DIVISION OF
WATER RIGHTS

HUBERT C. LAMBERT
STATE ENGINEER

Superintendent	
Adm. Assistant	
Ch. Clerk	
Ch. of Div.	
Files	

Gentlemen:

Re: Application No. 30802 (61-148)

To appropriate water in Utah you must receive approval of an application, complete the intended development work, and submit proof that the water has been put to beneficial use. Upon submission of satisfactory proof, a certificate will be issued which is your evidence of a water right.

Our records indicate that you have not made proof of appropriation or proof of change on your application. This is due November 30, 1970.

Proof must be prepared by a registered engineer or land surveyor and must be received in this office on or before the above proof-due date. Failure to make proof by the above date shall cause the application to lapse. Blank forms for submitting proof will be sent upon request.

If proof cannot be submitted at this time, an extension of time may be requested by completing the enclosed form and submitting the request in affidavit form on or before the proof-due date. Submission of a request for an extension of time in no way guarantees that it will be granted. An extension will generally be granted only after an applicant has made a showing of diligence before a meeting with the State Engineer. Requests should not be made for unreasonable periods of time beyond that needed to complete the appropriation and proof.

Yours truly,

Hubert C. Lambert

Hubert C. Lambert
State Engineer

j1

Enc. Form 29

Registered Mail

PROOF DUE



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

Form 21 United States of America October 1, 1970
for Bryce Canyon National Park
National Park Service
Box 1728
Santa Fe, New Mexico

RECEIVED	
NPS-BRYCE CANYON	
OCT 2 - 1970	
Superintendent	H
Adm. Assistant	
Ch. Engineer	
Ch. of Survey	
Mgr. & Inv.	
Series	
Files	

DIVISION OF
WATER RIGHTS

HUBERT C. LAMBERT
STATE ENGINEER

Gentlemen:

Re: Application No. 30802 (61-148)

To appropriate water in Utah you must receive approval of an application, complete the intended development work, and submit proof that the water has been put to beneficial use. Upon submission of satisfactory proof, a certificate will be issued which is your evidence of a water right.

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Yours truly,

Hubert C. Lambert
Hubert C. Lambert
State Engineer

j1

Enc. Form 29

Registered Mail

PROOF DUE

Form 19



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

April 14, 1965

STATE ENGINEER		
RECEIVED		
NPS SOUTHWEST REGIONAL OFFICE		
APR 16 1965		
	Surname	Date
Regional Director		
Operations		
Administration		
Public Relations		
Development		
Resource Studies		
Files		

Handwritten: 1008, 4/14/65

United States of America
for Bryce Canyon National Park
National Park Service
Box #1728
Santa Fe, New Mexico

Gentlemen:

RE: APPLICATION NO. 30802 (61-148)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above application has been considered and the time for receiving proof is hereby extended from November 30, 1964, to November 30, 1970, inclusive.

Yours truly,

Hubert C. Lamborn
ACTING

ADDRESS ALL COMMUNICATIONS TO: STATE ENGINEER
442 State Capitol
Salt Lake City 14,
Utah

sjz

cc: Mr. Louis W. Hallock, Superintendent
Bryce Canyon National Park

EXTENSION GRANTED
Bryce Canyon, Utah

P. S. Although this extension is granted in accordance with the provisions of the law, I earnestly recommend that you proceed to prepare and submit proof at the earliest possible date. One cannot foresee what contingencies might arise in the future; the present possession of your certificate might stand you in good stead.

L 54 Brea



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

November 3, 1964

Form 27

WAYNE D. CRIDDLE
STATE ENGINEER

D. 3 Bryce

RECEIVED	
NPS SOUTHWEST REGIONAL OFFICE	
NOV 5 1964	
Regional Director	Surname Date
Operations	
Administration	
Coop. Activities	
Development	
Resource Studies	
<i>1-1-64</i>	<i>5-1-64</i>
<i>Fields</i>	
Files	

11/5

United States of America
for Bryce Canyon National Park
National Park Service
Box #1728
Santa Fe, New Mexico

Gentlemen:

RE: APPLICATION NO. 30802

Your request for an extension of time in connection with the above application has been received.

It is the policy of this office to meet with each applicant requesting an extension of time at the courthouse of the county in which the point of diversion is located. The applicant or his representative must attend this meeting, answer any protests and be prepared to show the extent of work accomplished to date and a need for further time.

Until your particular county is scheduled for hearing, your request for an extension will be attached to the file; and the application will be in good standing. You will be notified of the date and time of the hearing.

Yours truly,

Donald G. Stewart
APPROPRIATIONS ENGINEER

DGS:fs

598-10-30-61

**Southwest Region
Santa Fe, New Mexico**

OCT 19 1964

**Mr. Wayne D. Griddle
State Engineer, Utah
403 State Capitol
Salt Lake City 14, Utah**

Dear Sir:

We have enclosed a copy of a request for a three year extension of time to make beneficial use of the water for Application No. 30802 at Bryce Canyon National Park. This form has been duly signed and notarized.

We have completed a well under this permit to a depth of 2,000 feet. However, the well has not yet been made a part of our water system because of fund limitations. Therefore, it has been impossible to make beneficial use and an extension of time is necessary.

Sincerely yours,

(SIGNED)

**Thomas J. Williams
Acting Assistant Regional Director**

Enclosures

**cc: Director (2) ✓
w/o encls.
Chief, WODE (2)
w/o encls.
Superintendent, Bryce Canyon
w/o encls.**

Form 29

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(Before Fourteen Years)

Application No. 30802)
STATE OF UTAH)
County of Garfield)

Daniel B. Beard, being first duly sworn says that he is the (~~owner~~) (agent) of the above numbered application; that he knows of his own knowledge that the construction of works as contemplated by the application has been prosecuted with diligence.

Describe briefly the type and extent of construction completed to date; cost of this construction, and the estimated cost of any remaining construction to be done for completion of project and to submit proof of appropriation.

We have drilled a telescoped hole (from 16" to 10" in diameter) to a depth of 2,000' at a cost of \$59,332.00. We intend to utilize this well in our present system by adding 8,000' of C.I. pipe at an estimated cost of \$24,000.

Request is made for reinstatement and extension of time for filing proof from November 30, 19 64 to November 30, 19 68.

Affiant understands he will be notified of a hearing date, at which time he or his representative must attend, be able to defend data given above and answer any protest thereon.

Affiant upon oath states he, or the owner of the application whom he represents, has a bonafide intention and the financial ability to complete the works and to apply the water to the beneficial use as provided in the application.
United States of America
National Park Service, Southwest Regional Off

Daniel B. Beard
APPLICANT

Daniel B. Beard, Regional Director
(If a corporation, give title of officer and affix corporate seal)

State of New Mexico
County of Santa Fe

Subscribed and sworn to before me this 16th day of October 19 64

Esther H. Humes
NOTARY PUBLIC Esther H. Humes

MY COMMISSION EXPIRES JUNE 23, 1965

FOR OFFICE USE ONLY

REQUEST DUE _____ REQUEST RECEIVED _____
FOURTEEN YEAR PERIOD ENDS _____



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY
September 30, 1964

WAYNE D. CRIDDLE
STATE ENGINEER
NPS SOUTHWEST REGIONAL OFFICE
OCT 2-1964

	Signature	Date
Regional Director		
Operations		
Administration		
Coop. Activities		
Development		
Public Affairs		
Land		
Field		

Land - Oct 14/64
Field

Form No. 21

United States of America
for Bryce Canyon National Park
National Park Service
Box #1728
Santa Fe, New Mexico

Gentlemen:

RE: APPLICATION NO. 30802

To appropriate water in Utah you must receive approval of an application, complete the intended development work and submit proof that the water has been put to beneficial use. Upon submission of satisfactory proof, a certificate will be issued which is your evidence of a water right.

Our records indicate that you have not made proof of appropriation or of change on your application. This is due November 30, 1964.

Proof must be prepared by a registered engineer or land surveyor and received in this office on or before the above proof due date.

Failure to make proof by the above date shall cause the application to lapse. Blank forms for submitting proof will be sent upon request.

If proof cannot be submitted at this time, an extension of time may be requested by completing the enclosed form and submitting the request, in affidavit form, on or before the proof due date. Submission of a request for an extension of time in no way guarantees that it will be granted. An extension will generally be granted only after an applicant has made a showing of diligence before a meeting with the State Engineer.

Requests should not be made for unreasonable periods of time beyond that needed to complete the appropriation and proof.

Yours truly,

Wayne D. Criddle

Wayne D. Criddle
STATE ENGINEER
442 State Capitol
Salt Lake City 14, Utah

rf
Enc.

P R O O F D U E

Southwest Region
Santa Fe, New Mexico

LS4
BRCA

DEC 3 - 1982

*Helds
Keef
ambry*

Memorandum

To: Superintendent, Bryce Canyon
From: Assistant Regional Director Arnberger
Subject: Water Measurement Data, Yellow Creek Springs, Application
No. 30802, Docket No. 3, Bryce Canyon National Park

We are in receipt of your memorandum of October 25 concerning the above subject, wherein you state that Park Engineer McCabe from Zion will make the measurements and mapping of Willow Creek Springs for our water right docket and for proof to the State Engineer. Your total cost of \$329.75 has been budgeted under Water Rights Account 143.2. We think that the outline of work which you have described will be satisfactory. Upon completion of this project we will appreciate receiving the collective data so that it can be recorded.

Upon completion the original drawing on linen should be transmitted to this office for our files. We can supply prints or a reproducible if needed.

L. P. Arnberger
Assistant Regional Director

WEFields:ew 11/30/62

LS4 Brca



IN REPLY REFER TO:

L54

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Bryce Canyon National Park
Bryce Canyon, Utah

November 30, 1962

RECEIVED	
NPS SOUTHWEST REGIONAL OFFICE	
DEC 5-1962	
	Surname Date
Regional Director	
Cons. Intarp & Use	
Administration	
Planning	12/15
Program Coord.	
Operations	
Concessions	
Natural History	
Hist & Archaeology	
Ranger Services	
Files	

Memorandum

To: Regional Director, Southwest Region

From: Superintendent, Bryce Canyon

Subject: Water Measurement Data, Yellow Creek Springs, Application No. 30802, Docket No. 3, Bryce Canyon National Park

In reference to your memorandum L54-BRCA dated September 21, 1962, we are sending a map of the Yellow Creek Springs Area which Park Engineer McCabe has prepared.

The spring flow measurements requested could not be obtained due to freezing conditions of the swamp area which make it impossible to obtain accurate data. However, these measurements can be made next spring before and after the growing season starts if this meets with your approval.

Louis W. Hallock
Louis W. Hallock
Superintendent

In duplicate

Map under separate cover w/ duplicate copy of memo

*L54
BRCA*

Equipment Operation:

Int. Power Wagon - 200 miles @ .10	20.00
------------------------------------	-------

Total	\$ 242.00
-------	-----------

Estimated cost for Engineer McCabe to collect data on Yellow Creek Springs.

Laborer: 1 man day @ 17.60	17.60
Per diem: 3 days @ 12.00	36.00
FICA	.55
	<u>54.15</u>

Equipment Depreciation:

Int. Power Wagon - 100 miles @ .07	7.00
Station Wagon - 200 miles @ .033	6.60
	<u>13.60</u>

Equipment Operation:

Int. Power Wagon - 100 miles @ .10	10.00
Station Wagon - 200 miles @ .05	10.00
	<u>20.00</u>

Total	\$ 87.75
-------	----------

GRAND TOTAL	\$ 329.75
-------------	-----------

We would appreciate your comments on this arrangement. _____

Louis W. Halleck
 Louis W. Halleck
 Superintendent

cc:
 Superintendent, Zion
 Maintenance Supervisor



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

WAYNE D. CRIDDLE
STATE ENGINEER

FORM 33

October 18, 1962

4 WR copy

RECEIVED	
OCT 22 1962	
Regional Director	
Cons., Insp. & Use	
Administration	
Public Affairs	
Plan. & Insp.	
Construction	
Records & Insp.	
Legal	

WDC

United States of America
for Bryce Canyon National Park
National Park Service
Box 1728
Santa Fe, New Mexico

Gentlemen:

RE: APPROVED APPLICATION NO. 30802

Enclosed find Approved Application No. 30802 . This is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated, 1953, as amended must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation made to the State Engineer on or before ~~November 30, 1964~~ otherwise the application will lapse.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of this application.

Yours truly,

ADDRESS ALL COMMUNICATIONS TO:

DS sb
Enc: Copy of Approved Appl.

Wayne D. Criddle
Wayne D. Criddle
STATE ENGINEER
STATE CAPITOL BUILDING
SALT LAKE CITY, UTAH

APPLICATION APPROVED

Rec'd w/ Reg. memo Oct. 25, 1962 L54 Bre

Form 98 6M 11-57

Page No. 1

Application No. 30802



APPLICATION TO APPROPRIATE WATER STATE OF UTAH

NOTE: The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☒ Power ☐ Mining ☐ Other Uses ☐
2. The name of the applicant is United States of America for Bryce Canyon National Park
3. The Post Office address of the applicant is National Park Service, Box 1728, Santa Fe, New Mexico
4. The quantity of water to be appropriated is 0.75 second-feet or acre-feet

5. The water is to be used each year from January 1 (Month) to December 31 (Month) Incl. and stored each year (if stored) from (Month) to (Month) Incl.

6. The drainage area to which the direct source of supply belongs is Colorado River (Leave Blank)
7. The direct source of supply is Underground water (Name of stream or other source)

which is tributary to , tributary to .
 *Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Garfield County, situated at a point which bears S 40° 38' E, 7541.81 ft. from the 1/4 corner common to sections 1 and 2, T. 37 S., R. 4 W., S. 10 N.

*Note.—The point of diversion must be located definitely by course and distance or by giving the distance north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object.

9. The diverting and carrying works will consist of a 16" well approx. 2000 ft. deep, pump and approx. 9000 of 6" pipe from well to 1,000,000 gallon distribution tank

10. If water is to be stored, give capacity of reservoir in acre-feet height of dam area inundated in acres legal subdivision of area inundated

11. The cross section of the diverting channel will be 1-1 (Strike ones not needed)
12. The length of the diverting channel, exclusive of laterals, will be 11,000 feet.
13. The grade of the diverting channel will be 2.063 ft. vertical & horizontal feet per thousand.
14. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

soil type Total area irrigated acs.

15. If application is for power purposes: Number of wheels Type and size of wheels Total horsepower output Head under which wheel will operate

16. If application is for mining, the water will be used in Mining District at the mine, where the following ores are mined

17. If application is for stockwatering purposes, number and kind of stock watered

18. If application is for domestic purposes, number of families to be served

19. If application is for municipal purposes, name of municipality Bryce Canyon National Park

20. If application is for other uses, include general description of proposed uses

21. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 15 to 20 incl. See attached boundary description which has also been given in Applications 20278 and by reference in Application 21353

Rec'd. w/ Reg. memo Oct. 25, 1962

Page No. 2

22. The use of water as set forth in this application will consume 0.75 second-feet of water and 0.75 second-feet will be returned to the natural stream or source at a point described as follows:

No Application will be received for filing in which the point of diversion is not described definitely.

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

The Quantity of Water Sought to be Appropriated is Limited to that which can be

Beneficially Used for the Purpose Herein Described.

This application for 0.75 sec.ft. is 12% in excess of anticipated yield, and subject to adjustment on basis of future pump tests. The well is to be drilled in accordance with recommendations in report Ground Water Resources of the Bryce Canyon National Park Area, 1958, by I. Wendell Marine, U. S. Geological Survey. The plan is to start with 16 inch bore and drill to depth of approximately 2000 ft., with at least one reduction in diameter but it may prove necessary to drill to between 2000 and 4000 ft. of depth, if adequate suitable water is not intercepted within the shallower limit.

This well is intended to provide the main supplemental water supply for the Municipal Area known as Bryce Canyon National Park, as previously described in Applications 20278 and 21353. Water is also obtained for the same Park community under Applications 9221, 94 and rights of the Utah Parks Company to waters of east Creek, tributary to the Sevier River and claims under Applications 27154 and 27385. Water will be commingled in said new 1,000,000 gallon reservoir at site of three existing reservoirs (to be removed), in SW 1/4 NE 1/4 Sec. 1, T 37 S, R 4 W, S. 34E.

The municipal community now consists of 13 permanent resident families, totaling 52 people, seasonal employee residences for an additional 127 people. There are approximately 30 horses for pack and saddle use. The public visitors, largely from June 15 to September 15, have been 254,162 in 1955; 257,570 in 1956; 268,994 in 1957 and 248,467 in 1958. The estimated attendance in 1959 is 265,000, and this water supply is part of the MISSION 66 program to provide for 500,000 annual visitors by approximately 1966. The community area includes aforesaid permanent and seasonal residences, a lodge with present capacity of 514 visitors in 138 cabins, campground with 55 camp sites, restaurants, comfort stations, gasoline service station, utility shops, and fire protective water system. All present facilities are to be increased in proportion to the increase in

THE UNITED STATES OF AMERICA

By ALLEN M. MILLER

Regional Director, Region Three, National Park Service, Department of the Interior

Signature of Applicant*

*If applicant is a corporation or other organization, signature must be in the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there are more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

STATE OF UTAH,

County of } ss

DECLARATION OF CITIZENSHIP

On the day of , 19 , personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

Notary Public

Name of Municipality - Bryce Canyon National Park

Description of boundary embracing municipal area - Beg. SW Cor. Sec. 36, T. 36 S., R. 4 W., S. L. B. & M., thence on the following traverse, northerly on W. line Secs. 36 and 25 to $\frac{1}{4}$ Cor. Sec. 25, easterly on center line to center Sec. 25, northerly on C. line to $\frac{1}{4}$ Cor. Sec. 25, and easterly on N. line to NE Cor. Sec. 25, T. 36 S., R. 4 W., northerly on W. line Sec. 19, T. 36 S., R. 3 W., to NW Cor. $\frac{3}{4}$ Sec. 19, easterly on N. line $\frac{3}{4}$ Sec. 19 to NE Cor. $\frac{3}{4}$ Sec. 19, northerly on W. line Sec. 20 to NW Cor. SW $\frac{1}{4}$ Sec. 20, easterly on N. line $\frac{3}{4}$ Sec. 20 to NE Cor. SE $\frac{1}{4}$ Sec. 20, northerly on C. line Secs. 20 and 17 to SE Cor. $\frac{1}{4}$ Sec. 17, westerly on S. line $\frac{1}{4}$ Sec. 17 to SW Cor. $\frac{1}{4}$ Sec. 17, northerly on C. line $\frac{1}{4}$ Sec. 17 to NW Cor. $\frac{1}{4}$ Sec. 17, easterly on N. line $\frac{1}{4}$ Sec. 17 to N.-S. C. line Sec. 17, northerly on C. line to C. Sec. 17, westerly on C. line to SW Cor. SE $\frac{1}{4}$ Sec. 17, northerly on W. line SE $\frac{1}{4}$ Sec. 17, westerly on S. line NW $\frac{1}{4}$ Sec. 17 and northerly on N. S. C. line NW $\frac{1}{4}$ Sec. 17, and easterly on N. line to $\frac{1}{4}$ Cor. Sec. 17, northerly on C. line Sec. 8 to $\frac{1}{4}$ Cor., easterly on N. line Secs. 8 & 9 to SW Cor. SE $\frac{1}{4}$ Sec. 4, northerly on W. line to NW Cor. SE $\frac{1}{4}$ Sec. 4, easterly on N. line $\frac{3}{4}$ Secs. 4, 3 & 2 to NE Cor. SE $\frac{1}{4}$ Sec. 2, southerly on C. line Secs. 2, 11, 14 & 23, to SE Cor. NE $\frac{1}{4}$ Sec. 23, westerly on S. line $\frac{1}{4}$ Secs. 23 & 22 to NE Cor. SW $\frac{1}{4}$ Sec. 22, southerly on E. line $\frac{1}{4}$ Sec. 22 to SE Cor. SW $\frac{1}{4}$ Sec. 22, easterly on S. line to $\frac{1}{4}$ Cor. Sec. 22, southerly on C. line Secs. 27 & 34 to SE Cor. NE $\frac{1}{4}$ Sec. 34, westerly on S. line $\frac{1}{4}$ Sec. 34 to NE Cor. SE $\frac{1}{4}$ Sec. 33, southerly on E. line to SE Cor. and westerly on S. line to $\frac{1}{4}$ Cor. Sec. 33, T. 36 S., R. 3 W., southerly on C. line to center Sec. 4, T. 37 S., R. 3 W., westerly on C. line Secs. 4 & 5 to NE Cor. NW $\frac{1}{4}$ Sec. 5, southerly on E. line NW $\frac{1}{4}$ Sec. 5 to NW Cor. NE $\frac{1}{4}$ Sec. 8, easterly on N. line, southerly on E. line, and westerly on S. line NE $\frac{1}{4}$ Sec. 8, southerly on E. line NW $\frac{1}{4}$ Sec. 8 to NW Cor. SE $\frac{1}{4}$ Sec. 8, easterly on N. line to NE Cor. SE $\frac{1}{4}$ Sec. 8, southerly on E. line Secs. 8, 17 & 20 to SE Cor. Sec. 20, westerly on S. line Secs. 20 & 19, T. 37 S., R. 3 W., and Secs. 24, 23 & 22, T. 37 S., R. 4 W., to $\frac{1}{4}$ Cor. Sec. 27, southerly on C. line to $\frac{1}{4}$ Cor. & westerly on S. line to SW Cor. Sec. 27, southerly on E. line Sec. 33 to $\frac{1}{4}$ Cor., westerly on C. line Sec. 33 to $\frac{1}{4}$ Cor. Sec. 32, southerly on E. line Secs. 32, T. 37 S., R. 4 W., and Sec. 5, T. 38 S., R. 4 W., to SE Cor. Sec. 5, westerly on S. line to $\frac{1}{4}$ Cor. Sec. 5, southerly on C. line Secs. 8 & 17 to $\frac{1}{4}$ Sec. 17, easterly on N. line Secs. 20, 21 & 22 to NE Cor. NW $\frac{1}{4}$ Sec. 22, southerly on E. line $\frac{1}{4}$ Secs. 22, 27 & 34 to SE Cor. SW $\frac{1}{4}$ Sec. 34, westerly on C. line Secs. 34 & 33 to center Sec. 33, southerly on C. line to $\frac{1}{4}$ Cor. Sec. 33, westerly on S. line Sec. 33, T. 38 S., R. 4 W., to $\frac{1}{4}$ Sec. 3, T. 39 S., R. 4 W., southerly on C. line to $\frac{1}{4}$ Cor. Sec. 3, westerly on S. line Secs. 3, 4 & 5, to $\frac{1}{4}$ Cor. Sec. 5, northerly on C. line to $\frac{1}{4}$ Cor. Sec. 5, easterly on N. line Sec. 5, T. 39 S., R. 4 W., to $\frac{1}{4}$ Cor. Sec. 31, T. 38 S., R. 4 W., northerly on C. line Secs. 31, 30 & 19, to $\frac{1}{4}$ Cor. Sec. 18, westerly on S. line Sec. 18 to SW Cor., northerly on W. line Secs. 18, 7 and 6, T. 38 S., R. 4 W., and Sec. 31, T. 37 S., R. 4 W., to $\frac{1}{4}$ Cor. Sec. 31, easterly on C. line Sec. 31 to $\frac{1}{4}$ Cor., northerly on W. line Sec. 32 to NW Cor., easterly on N. line Sec. 32 to NE Cor. NW $\frac{1}{4}$ Sec. 29, northerly on W. line $\frac{1}{4}$ Sec. 29 to NW Cor. NE $\frac{1}{4}$ Sec. 29, easterly on C. line to center Sec. 29, northerly on C. line to $\frac{1}{4}$ Cor. and easterly on N. line to NE Cor. NW $\frac{1}{4}$ Sec. 29, northerly on W. line $\frac{1}{4}$ Sec. 20 to NE Cor. NW $\frac{1}{4}$ Sec. 20, easterly on C. line to $\frac{1}{4}$ Cor. Sec. 20, northerly on W. line Sec. 21 to NW Cor., easterly on N. line to NE Cor. NW $\frac{1}{4}$ Sec. 21, northerly on W. line $\frac{1}{4}$ Sec. 16 to NW Cor. NE $\frac{1}{4}$ Sec. 16, easterly on C. line to center Sec. 16, northerly on C. line to $\frac{1}{4}$ Cor. and easterly on N. line to NE Cor. Sec. 16, northerly on W. line Sec. 10 to $\frac{1}{4}$ Cor., easterly on C. line to center Sec. 10, northerly on C. line Secs. 10 & 3 to NW Cor. SW $\frac{1}{4}$ Sec. 3, easterly on N. line $\frac{1}{4}$ Sec. 3 to NE Cor. SE $\frac{1}{4}$ Sec. 3, northerly on W. line Sec. 2 to $\frac{1}{4}$ Cor., easterly on C. line to $\frac{1}{4}$ Cor. and northerly on E. line to NE Cor. Sec. 2, T. 37 S., R. 4 W., westerly on S. line Sec. 36, T. 36 S., R. 4 W., S.L.B.&M. to SW Cor., the point of beginning.

Legal Subdivisions of U. S. Land Survey embraced within municipality.

Sec. 36, & S $\frac{1}{2}$ & NE $\frac{1}{4}$ Sec. 25, T. 36 S., R. 4 W., S.L.B. & M.; S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 2,
S $\frac{1}{2}$ S $\frac{1}{2}$ Sec. 3, SE $\frac{1}{4}$ Sec. 4, NE $\frac{1}{4}$ Sec. 8, Secs. 9 & 10, W $\frac{1}{2}$ Secs. 11 & 14,
Secs. 15 & 16, E $\frac{1}{2}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ & E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 17, S $\frac{1}{2}$ S $\frac{1}{2}$
Sec. 19, S $\frac{1}{2}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, & NE $\frac{1}{4}$ Sec. 20, Sec. 21, W $\frac{1}{2}$, W $\frac{1}{2}$ S $\frac{1}{2}$, & NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22,
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23, W $\frac{1}{2}$ Sec. 27, Secs. 28, 29, 30, 31, 32, 33 & NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34,
T. 36 S., R. 3 W., S.L.B. & M.; NE $\frac{1}{4}$ Sec. 4, NE $\frac{1}{4}$, SW $\frac{1}{4}$ & W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 5, Secs. 6,
7, W $\frac{1}{2}$, W $\frac{1}{2}$ S $\frac{1}{2}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, & SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8, Secs. 17, 18, 19 & 20, T. 37 S.,
R. 3 W., S.L.B. & M.; Sec. 1, S $\frac{1}{2}$ Sec. 2, S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3, S $\frac{1}{2}$ & NE $\frac{1}{4}$ Sec. 10,
Secs. 11, 12, 13, 14, 15 E $\frac{1}{2}$, & E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16, E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 20, Secs. 21,
22, 23, 24, W $\frac{1}{2}$ Sec. 27, Sec. 28, E $\frac{1}{2}$, & E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 29, S $\frac{1}{2}$ Sec. 31, Sec. 32,
& NE $\frac{1}{4}$ Sec. 33, T. 37 S., R. 4 W., S.L.B. & M.; Secs. 5, 6, & 7, W $\frac{1}{2}$ Secs.
8 & 17, Sec. 18, E $\frac{1}{2}$ Sec. 19, Secs. 20, 21, W $\frac{1}{2}$ W $\frac{1}{2}$ Secs. 22 & 27, Secs. 28
& 29, E $\frac{1}{2}$ Secs. 20 & 31, Sec. 32, W $\frac{1}{2}$ & NE $\frac{1}{4}$ Sec. 33, & W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 34, T. 38 S.,
R. 4 W., S.L.B. & M.; W $\frac{1}{2}$ Sec. 3, Sec. 4, & E $\frac{1}{2}$ Sec. 5, T. 39 S., R. 4 W.,
S.L.B. & M.

EXPLANATORY CONTINUED

annual public visitation. There is incidental irrigation of lawns and shrubs at various developed areas.

NOTHING HEREIN SHALL CONSTITUTE A WAIVER OF ANY OTHER RIGHTS WHICH THE UNITED STATES MAY HAVE TO THE SAME WATER.

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

NOTICE TO APPLICANT

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write to: State Engineer.

Fees Required by Law Payable to State Engineer

For Application to appropriate 10 second-feet of water or less.	\$2.50
For each additional, \$1.00 for each second-foot above 10.	
For Application to appropriate 500 acre-feet of water or less.	2.50
For each additional, 2 cents for each acre-foot above 500.	
When the filing fee on any application to appropriate water shall exceed \$1,000.00, the balance of the fee in excess of \$1,000.00 may, at the option of the applicant, be paid at the time of the Proof of Appropriation is submitted.	2.50
For approval and recording completed Application.	1.00
For filing written Proof of Appropriation.	5.00
For examining map, profile and drawings that are part of the Proof of Appropriation.	1.00
For issuing Certificate of Appropriation.	

NOTE—Applicants will save time and expense by familiarizing themselves with the law before making Application.

(This page is not to be filled in by applicant)
STATE ENGINEER'S ENDORSEMENTS

1. Application received ~~over counter~~ ^{by mail} in State Engineer's office by
 2. Priority of Application brought down to, on account of
 3. Fee for filing Application, \$....., received by..... Rec. No.....
 4. *Mar 31, 1957* Application copied book *211*, page..... and indexed by *145*
 5. *March 23, 1957* Application platted by *ELK* *6-37-412000*
 6. *June 8, 1959* Application examined by *ELK*
 7. Application returned, with letter, to..... for correction
 8. Corrected Application resubmitted ~~over counter~~ ^{by mail} to State Engineer's office.
 9. Fee for publishing notice requested.
 10. *July 2, 1959* Fee for publishing notice, \$ *11.20*, received by *ELK* Rec. No. *145225*
 11. *June 8, 1957* Application approved for advertisement by *ELK*
 12. *July 6, 1959* Notice to water users prepared by *R. K. H.*
 13. *July 16, 1959* Publication began; was completed *July 30, 1959*.
Notice published in *Garfield Co. News, Rangitich, Nt.*
 14. *July 27, 1959* Proof slips checked by *J. S. D.*
 15. Application protested by.....
 16. *Oct 5, 1962* Application designated for ~~rejection~~ ^{approval} by *ELK*
 17. Fee for approving Application requested
 18. Fee for approving Application, \$2.50 received by..... Rec. No.....
 19. Oct. 18, 1962 Application ~~rejection~~ or photostated by..... bs
 20. Oct. 18, 1962 Application ~~rejected~~ ^{approved} and returned to applicant.....
- This Application is approved, subject to prior rights, if any, on the following conditions:
1. Actual construction work shall be diligently prosecuted to completion.
 2. Proof of Appropriation shall be submitted to the State Engineer's office by Nov. 30, 1964
 - 3.
- Wayne D. Criddle*
Wayne D. Criddle, State Engineer.
21. Time for making Proof of Appropriation extended to.....
 22. Proof of Appropriation submitted.....
 23. Fee for filing Proof of Appropriation, \$1.00, received by..... Rec. No.....
 24. Fee for examining maps, profiles and drawings, \$5.00, received by.....
Rec. No.....
 25. Fee for issuing Certif. of Appropriation, \$1.00, received by..... Rec. No.....
 26. Certificate of Appropriation, No....., issued

Application No. *50103*

Southeast Region
Santa Fe, New Mexico

194
MGA

SEP 21 1982 1

Fields
Keefe
only you

Memorandum

To: Superintendent, Bryce Canyon
From: Acting Regional Director
Subject: Water Measurement Data, Yellow Creek Springs, Application No. 30802, District No. 3, Bryce Canyon National Park

This memorandum refers to a memorandum of September 13 from the Chief of the Branch of Water Resources concerning the above subject of which you received a copy, and the telephone call of September 19 from Superintendent Haddock to Regional Chief of Lands Zell.

We feel that the series of measurements suggested by Mr. Dunn should be made as soon as possible. If you will make an estimate of the cost of the project we expect to be able to make funds available from our Water Resources Construction Account 149.2.

We would suggest that you explore the possibility of using the services of Park Engineer Rotche from Zion to do the work requested by Mr. Dunn in his memorandum of September 13. Details should be worked out between you and the Superintendent, Zion.

If you require any assistance from this office we will make members of our staff available upon call.

SIGNED

J. M. Carpenter
Acting Regional Director

In duplicate

Copy to: Director (2)
Asst., Zion

R. Giles

WEFields:ew 9/21/62

LST Brea

OPTIONAL FORM NO. 10

UNITED STATES GOVERNMENT

Memorandum

TO : Civil Engineer Fields

DATE: Sept. 19, 1962

FROM : Regional Chief of Lands

SUBJECT: Spring Measurements, Yellow Creek Springs, Dunn's Memorandum
September 13, Application 30802, Bryce Canyon.

Lou Hallock telephoned this morning regarding Dunn's memorandum of September 13 and the measurements to be taken. Lou says that Joe McCabe is supposed to work for Bryce.

The measurements would be a proper charge to 113.2. Any additional construction if necessary should be charged against the work order.

Prepare a memo in duplicate for Lou suggesting that he obtain an estimate of costs of what is necessary and we will try to program it so the measurements can be taken.

You has also better check the status of Yovimpa Springs and when we have to make proof there.

J.E.K. *J.E.K.* L 54 Brea

154-M

September 13, 1962

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9/19
ACTION TAKEN - DATE
FILE

Memorandum

To: Regional Director, Southwest Region

From: Chief, Branch of Water Resources

Subject: Water Quality Reports and Water Measurement Data, Yellow Creek Springs, Application 30802, Docket No. 3, Bryce Canyon National Park

Your memorandum of August 27 enclosing copies of the letter from Superintendent Hallock of Bryce Canyon to the State Engineer, Salt Lake City and the related records has been received.

The records of spring flow are of considerable interest in that they indicate an apparent diurnal fluctuation in flow of considerable magnitude possibly due to evapotranspiration from vegetation around the spring or direct evaporation from the water surface. Unfortunately to prove this around-the-clock measurements for several days are necessary. Usually the decline starts about 9:00 a. m. to 11:00 a. m. and reaches its lowest stage about 6:00 p. m. to 7:00 p. m. If possible, a series of measurements covering at least two 24-hour periods should be made while vegetation is still active. Hourly readings throughout the night would not be necessary, perhaps one at 12:00 midnight and another at 6:00 a. m. the following morning would be sufficient to define the night recovery. Because evapotranspiration rate depends largely on the amount of sunshine, the weather water conditions should be recorded also and the vegetation in the area surrounding the spring and the flume should be described. A similar set of measurements, although perhaps not so elaborate, after the growing season is over, should show much less diurnal variation in flow. We should also have a map showing areas of exposed water surface and edges of adjacent vegetation, between the spring source and the gage.

The State Engineer may not consider the records supplied him as sufficient evidence that the well does not affect the springs. For our own information, as well as for the State Engineer, you should, if at all possible, arrange to have a series of measurements made as outlined above-both when the pump is operating and when it is not.

The monthly measurements of flow should contain the time of day when the measurements are made and the weather conditions.

We would appreciate receiving copies of any further measurements that are made.

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

Copy to: Superintendent, Bryce Canyon
✓ Chief, WDC (2)

Bryce Canyon National Park
Bryce Canyon, Utah

LS4

July 16, 1962

RECEIVED	
NPS SOLICITATION DEPT. OF THE INTERIOR	
JUL 19 1962	
Name: Date:	
Regional Director	
Chief, Interior	
Administrative	<i>File 7/19</i>
Resource Planning	
Program Coord.	
2 Operations	<i>File 7/19</i>
Concessions	
Natural History	
Hist. & Archeology	
3 Ranger	<i>File 7/19</i>
Files	

Mr. Wayne D. Criddle
Office of the State Engineer
403 State Capitol
Salt Lake City 14, Utah

*Fields 8/11

RE: APPLICATION NO. 30802

Dear Mr. Criddle:

We are glad to respond to Mr. Donald G. Stewart's request of May 14, 1962, for records of measurements of Yellow Springs and pumping activity at the drilled well in the park. There is also enclosed the summary of water analyses for water produced by this drilled well and a copy of the Gamma Ray-Neutron log made by the Schlumberger Well Surveying Corporation. This information should bring your records up to date. Further, this summary reporting has been delayed due to the test pumping of the drilled well.

The contract for the installation of a submersible pump was completed on May 16, 1962 and the electrical power transmission line to the well site was completed on the same date.

Beginning May 16, 1962, the well was pumped for 15 consecutive days at an average of 10 hours per day except for one continuous 56 1/2 hour period beginning May 27 at 9:00 A.M. and ending on May 30 at 5:30 P.M., which is a part of this 15 day period.

In the tabulation furnished for Yellow Creek Springs you will find a series of observations for May 28 and 29 taken every 30 minutes beginning at 9:15 A.M. and ending at 3:00 P.M. It is believed that you will find these observations of value when correlated to the test pumping period.

*Rec'd w/Reg memo
8/27/62*

*LS4
Bren*

During this test pumping four separate water samples were collected for chemical analysis. These were submitted to the Salt Lake Laboratory, Quality of Water Branch, U. S. Geological Survey. A copy of the report of these analyses is enclosed. These tests were made to provide comparative data concerning the chemical components of this water supply.

During the test pumping at the rate shown there was no interruption in the available supply due to draw-down beyond the depth of the submersible pump setting at 791 feet below the surface.

We hope this will provide the information requested.

Sincerely,

Louis W. Mallock
Superintendent

Enclosures

- (1) Gamma Ray-Neutron Report
- (2) Chemical Analysis Report
- (3) Yellow Springs Measurements

Copy to: Regional Director, Southwest Region (2) w/enclosures ✓
(2) and (3)
Chief, WODC w/ enclosures (2) and (3)

Bryce Canyon National Park
Bryce Canyon, Utah

YELLOW CREEK SPRINGS DATA

A 6" Parshall flume was installed on the Yellow Creek Springs August 19, 1960. Record of measurements since that date are as follows: (G.P.M. figures are approximate.)

<u>1960</u>	<u>Flume Reading</u>	<u>Gallons Per Min.</u>
August 19	.145	42½
August 26	.160	49
August 29	.159	48½
September 9	.139	39½
September 16	.160	49
October 7	.159	48½
October 28	.170	54
November 22	.200	72

The high reading on Nov. 22 was due to thawing ice on the swamp area.

<u>1961</u>		
April 29	.130	36
May 19	.130	36
June 7	.130	36
June 29	.150	45
July 7	.150	45
July 13	.130	36
July 27	.150	45
August 11	.160	49
August 18	.160	49
August 25	.160	49
September 1	.130	36
September 19	.150	45
September 29	.150	45
October 4	.150	45
October 21	.150	45
November 30	.200	72

<u>1962</u>		
April 30	.180	63
May 14	.170	54
May 15	.170	54
May 16	.170	54

<u>Year</u>	<u>Flume Reading</u>	<u>Gallons Per Min.</u>
-------------	----------------------	-------------------------

1962 Cont'd.

May 18	.170	54
May 21	.170	54
May 23	.150	45
May 28		

The following measurements were recorded while the pump was in operation and had been in operation for 24 hours steady:

Time

9:15 A.M.	.180	63
9:45 A.M.	.180	63
10:15 A.M.	.180	63
10:45 A.M.	.180	63
11:15 A.M.	.180	63
12:00 Noon	.180	63
1:00 P.M.	.175	59
1:30 P.M.	.170	54
2:00 P.M.	.165	52
3:00 P.M.	.160	49

*Could be
transpiration
losses*

May 29

The following measurements were recorded while the pump was in operation and had been in operation for 48 hours previously:

Time

9:15 A.M.	.185	65
9:45 A.M.	.185	65
10:15 A.M.	.180	63
10:45 A.M.	.180	63
11:15 A.M.	.180	63
11:45 A.M.	.180	63
12:15 P.M.	.180	63
12:45 P.M.	.180	63
1:15 P.M.	.180	63
1:45 P.M.	.180	63
2:15 P.M.	.175	59
3:00 P.M.	.170	54
June 5, 1962	.180	63

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

Sample Number	1	2	3	4		
Salt Lake City Laboratory Number	24936	24937	24938	24939		
Date of collection (1962)	May 16	May 21	May 25	May 31		
Silica (SiO ₂)	7.8	9.0	9.0	8.5		
Iron (Fe), dissolved*						
Iron (Fe), total	11	2.5	2.1	5.6		
Manganese (Mn), dissolved*						
Manganese (Mn), total	.21	.09	.07	.12		
Calcium (Ca)	182	182	180	172		
Magnesium (Mg)	74	77	83	66		
Sodium (Na)	2.5	2.0	2.0	2.5		
Potassium (K)	2.3	2.0	2.6	2.1		
Bicarbonate (HCO ₃)	439	470	469	450		
Carbonate (CO ₃)	0	0	0	0		
Sulfate (SO ₄)	388	370	375	310		
Chloride (Cl)	5.5	5.5	4.5	5.0		
Fluoride (F)	.0	.0	.0	.0		
Nitrate (NO ₃)	.2	.2	.2	.3		
Boron (B)	.01	.00	.00	.00		
Dissolved solids						
Sum						
Residue on evaporation						
at 180° C	906	894	898	788		
Hardness as CaCO ₃	758	770	790	700		
Non-carbonate	398	385	405	331		
Alkalinity as CaCO ₃	360	385	385	369		
Specific conductance						
(micromhos at 25° C)	1,240	1,230	1,240	1,130		
pH	7.2	7.4	7.3	7.5		
Color	40	5	5	5		
CO ₂ (calculated)						
Turbidity (as SiO ₂)	100	55	55	55		

*In solution at time of analysis.

Well (A-30802) Bryce Canyon National Park, Utah - G-37-4-12ccc

Depth: 2000.5 ft

Diam: 10 3/4" to 16"

Water level: 646.5 ft

Yield: 135 gpm

Use: Culinary

App: Clear

Point of collection: at well

Collected by: Ott, Pollock

U.S. GEOLOGICAL SURVEY
Unpublished records, subject to revision

COPY 1962

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

Sample Number Salt Lake City Laboratory Number	1 24936	2 24937	3 24938	4 24939
Date of Collection....(1962)....	May 16	May 21	May 25	May 31
Silica (SiO ₂).....	7.8	9.0	9.0	8.5
Iron (Fe), dissolved*				
Iron (Fe), total.....	11.	2.5	2.1	5.6
Manganese (Mn), dissolved*				
Manganese (mn), total.....	.11	.09	.07	.12
Calcium (Ca).....	182.	182	180	172
Magnesium (Mg).....	74	77	83	66
Sodium (Na).....	2.5	2.0	2.0	2.5
Potassium (K).....	2.3	2.0	2.6	2.1
Bicarbonate (HCO ₃).....	439	470	469	450
Carbonate (CO ₃).....	0	0	0	0
Sulfate (SO ₄).....	388	370	375	310
Chloride (Cl).....	5.5	5.5	4.5	5.0
Flouride (F).....	.0	.0	.0	.0
Nitrate (NO ₃).....	.2	.2	.2	.3
Boron (B).....	.01	.00	.00	.00
Dissolved solids				
Sum.....				
Residue on evaporation				
at 180° C.....	906	894	898	788
Hardness as CaCO ₃	758	770	790	700
Non-carbonate.....	398	385	405	331
Alkalinity as CaCO ₃	360	385	385	367
Specific conductance				
(micromhos at 25° C).....	1,240	1,250	1,240	1,130
pH.....	7.2	7.4	7.3	7.5
Color.....	40	5	5	5
CO ₂ (calculated).....				
Turbidity (as SiO ₂)	100	55	55	55

*In solution at time of analysis

Well (A-30802) Bryce Canyon National Park, Utah - C-17-4-12ccc

Depth: 2000.5 ft

Diam: 10 3/4" to 16"

Water level: 646.5 ft

Yield: 135 gpm

Use: Culinary

App: Clear

Point of collection: at well

Collected by: Ott, Pollock

w/ memo
4/6/10/62

COPY

Region Three
Santa Fe, New Mexico
May 21, 1962

L54

*Self
Fried
J. H. Allen
Carpenter*

AIRMAIL

Mr. Wayne D. Griddle
Office of the State Engineer
405 State Capitol
Salt Lake City 14, Utah

Dear Mr. Griddle:

Re: APPLICATION NO. 30802

We have Appropriations Engineer Donald G. Stewart's letter of May 14 requesting records of the measurements of the springs at Yellow Creek in connection with the subject application.

It is our understanding that the required well log information had been filed with your office by the Drilling Contractor Perry Brothers, Flagstaff, Arizona. A copy of our log, based upon information supplied by Perry Brothers is enclosed for your information. Prior to completion of the well a Gamma Ray-Neutron log was taken by the Schlumberger Well Surveying Corporation. This can be supplied if you do not have a copy.

By copy of this letter we are requesting the Superintendent Bryce Canyon National Park to supply the measurement data of the springs at Yellow Creek that have been taken.

Our Regional Chief of Lands, John E. Nell will be in Salt Lake City sometime during the week of May 21 - 25. I am asking Mr. Nell to call at your office and discuss with you the information you now have and the additional information that may be required.

(SIGNED)

Thomas J. Allen
Regional Director

Enclosure

Copy to: Superintendent Bryce Canyon
Director (2)

JENell:eh 5/21/62

*L54
Brea*



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

May 14, 1962

WAYNE D. CRIDDLE
STATE ENGINEER

10

RECEIVED		
NPS REGION THREE OFFICE		
MAY 17 1962		
	SUBNAME	DATE
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*Fields we 5/20

United States of America for
Bryce Canyon National Park
National Park Service
Box 1728
Santa Fe, New Mexico

Gentlemen:

RE: APPLICATION NO. 30802

In my letter to you of May 8, 1959, you were advised that permission to proceed drilling a well was granted with the condition that the springs that make up the waters of Yellow Creek be measured periodically, as will be agreed upon between the applicant, the State Engineer's Office and the United States Geological Survey, after the drilling of this proposed well and during the time when water is being diverted and used.

As of this date, there has been no further correspondence concerning this matter. Please forward to this office copies of all records showing measurements of the springs that make up Yellow Creek and of the well you have drilled and also such information as changes in the static water level, pumping lift and production capability of the well drilled under the above-numbered application.

This information is necessary so that action may be taken to consider your application further as to approval or rejection.

Yours truly,


Donald G. Stewart
APPROPRIATIONS ENGINEER

DGS:ds

L St/Brca

254

Region Three
Santa Fe, New Mexico

May 11, 1961

Mr. Wayne Criddle
Office of State Engineer
The State of Utah
Salt Lake City, Utah

Dear Sir:

Reference is made to your letter of May 1, 1961 concerning application no. 30802, which proposes to appropriate 0.75 sec.-feet of water from a well which has been drilled at Bryce Canyon National Park.

You state that you have reason to believe that the described point of diversion in this application was in error. We have requested the Park Engineer from Zion National Park at his earliest convenience to check this in the field and to forward the corrected information to you.

Sincerely yours,

(SIGNED)
Jerome C. Miller
Regional Chief of Operations

Copy to: Director (2)
Chief, WDC (2)
Supt., Bryce Canyon
Supt., Zion

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Region Three
Santa Fe, New Mexico

L-94
HRC

MAY 11 1961

Memorandum

To: Superintendent, Zion National Park
From: Regional Chief of Operations
Subject: Survey of New Well, Application No. 30802,
Bucket No. 3, Bryce Canyon National Park

We have received a letter from the State Engineer of Utah, who makes reference to our application no. 30802 wherein we are proposing to appropriate 0.75 sec.-feet of water from our new well at Bryce Canyon.

When the application was prepared the description of the point of diversion was taken from a map without any field work. The State Engineer feels that our location of the well is in error and has requested that we check it in the field.

We would appreciate it if in the near future you could have Park Engineer McCabe locate the well and send the subdivision and metes and bounds description to the State Engineer's office in Salt Lake City with a copy to us. This is the new well drilled by Perry Brothers to a depth of 2,000 feet last year.

(SIGNED)

Jerome C. Miller
Regional Chief of Operations

Copy to: Director (2)
Chief, WODC (2)
Supt., Bryce Canyon

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March 23, 1961

154-088

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section *GR*

Subject: FCP-U-7 Water Supply Developments and Water Rights,
Docket 3 and Alien Water Right 2, Bryce Canyon

The memorandum of March 16 from Mr. Miller suggests that I have not until now fully understood the extent of water system construction. I have had the idea, apparently incorrect, that the UFCo. pipeline from its reservoirs to the Lodge area was partially removed when the Park Service constructed its reservoir, and a new pipeline along the same general alignment, and thence to the Park Headquarters and Campground. I now gather that the two systems are still complete and independent except for possible cross connections for emergency or seasonal use.

My inquiry concerning the litigation over the Company's rights (Alien Water Right 2), and the State action on the Federal water right application 30802 (Docket 3) was only to bring me up-to-date. The Courts and Utah State Engineer are both slow, but I wished to be sure that we were up-to-date. I hope the water permit is granted before the State Engineer is replaced by some one with different ideas, with resulting action such as we have had on the amendment of rights for Timpanogos Cave.

It will probably be best to let the State follow its natural course in connection with Application 30802 until this Service is able to observe the flows of Yellow Spring during a summer season of well use, if that is what the State Engineer wishes. However, I should be reluctant to accept a permit which might be conditioned on subsequent effects on the spring flow which had not occurred during that test season.

I gather that the Federal need for the Company water sources and rights, or the Company need for water from the well, will depend on both the outcome of the litigation, further engineering study of the quality of water from each source and related design and operating details of the ultimate system. I believe that the matter of acquisition should be deferred until all aspects are fully evaluated, unless the Company volunteers to donate. I gather that the purchase will not be practical until at least next year.

SIGNED

A. van V. Dunn
 Chief, Water Resources Section

Copy to: Superintendent, Bryce Canyon
 Chief, WOBC (2)

W O B C	
MAY 27 '61	
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Handwritten signatures and initials are present over the routing slip.

Region Three
Santa Fe, New Mexico

MAR 16 1961

L-54

2-8-5039

Memorandum

To: Director

From: Assistant Regional Director

Subject: PCP-U-7, Water Source Development, Bryce Canyon National Park

Attached is a copy of Acting Superintendent Kent J. Wintch's memorandum of February 20 in reply to Mr. Dunn's memorandum of February 3.

By an earlier memorandum we have advised your office that the Utah Parks Company rights are still under protest and a meeting is proposed for a hearing presumably in Panguitch sometime during the middle of March. Until the protest, filed by the Tropic and East Fork Irrigation Company has been resolved, the Utah Parks Company does not have any rights to grant or sell to the National Park Service.

You will also note from Mr. Wintch's memorandum that our service does not plan, at least for the present, to co-mingle the water from East Creek Springs, Alien Water Right No. 2 with the water from the Park Service well. It is our opinion, that the water while not up to U. S. Public Health Service standards, will not cause any difficulty through its consumption at the Park. The major portion of the domestic water used at the Park by visitors will be that from East Creek supplied by the Utah Parks Company. We believe that the quality of the water from the Park Service well is sufficient quality that it will not be detrimental to Park Service employees and they will soon develop a tolerance for it. The small amount which the visitors will use should not be detrimental and it is a better quality water than many other sources currently used in the southwest.

The statements contained in the last paragraph, Page 2, of Mr. Wintch's memorandum of February 20 contain the basic facts regarding the current status of the application. When Mr. Kell discussed this matter with Mr. Francis T. Mayo in Salt Lake City on February 20, Mr. Mayo advised

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Wintch

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that he anticipated no difficulty in our continuing to use the water after the proper plans had been made. As we have previously explained the continued use of water will in all probability be based upon continued measurements of the flow of Yellow Creek and we anticipate no difficulty in completing our plans and making beneficial use of the water under application 30802.

(SIGNED)

George W. Miller
Assistant Regional Director

Copy to: Director (2) with copy of incoming
✓ WODC (2) with copy of incoming
Superintendent Bryce Canyon National Park



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Bryce Canyon National Park
Bryce Canyon, Utah
February 20, 1961

IN REPLY REFER TO

L54
(X-D5039)

RECEIVED
MAR 2 1961
FBI
ab 2-23
Miller 2-23
Holl JER
3/12

Memorandum

To: Regional Director, Region Three
From: Acting Superintendent, Bryce Canyon
Subject: PCP-U-7, Water Source Development, Bryce Canyon

This will reply to Mr. Miller's memorandum of February 17, 1961 requesting our comments on letter of February 3, 1961 from Chief, Water Resources Section.

In regards to the status of the Utah Parks Company rights for the use of water on its tract at the East Creek Springs, Alien Water Right No. 2. The use of this water is still under active protest, and the court has made no decision as to what use will be allowed in the park.

There has been no approach by the Utah Parks Company to the National Park Service, nor have we made a request for conveyance of the East Creek properties to the United States. We are not intending to use any Utah Parks Company water in the new system.

With regard to Mr. Smith's memorandum of January 25, 1961, we believe it was intended primarily for cost figures for preparation of a PCP for programming funds to complete the Park Service water development. Of course, water rights for this development must be considered.

The dilution process mentioned by Mr. Smith and questioned by the Chief, Water Resources Section could be done at the water storage reservoirs, as both the Utah Parks Company and the Park Service reservoirs are in close proximity. This could be done only during the Utah Parks Company operating period and would not involve acquisition under the current contract requirements. We do not intend to apply this process. It is our intention to divorce completely from use of Utah Parks Company water and develop our own source. The storage and distribution systems are and will remain separate.

Test pumping at the new well shows that sufficient water is available for Park Service needs, and proposals for treatment to meet public health standards are now being considered.

Available records contained in our Water Docket No. 2 show that advertising costs for Application No. 30802 were to be paid out of 4-WR-60 funds. Our records also show that we have approval for drilling the well but no right to use any of the water until our application is completed according to the laws controlling the appropriation of water by the State of Utah. We assume our application will be granted if no interference with other water rights is affected and the Yellow Creek Springs show no decrease after continued pumping.


Kent J. Wintch
Acting Superintendent

In duplicate

Copy to: Chief, WODC

We then come to the question of desirability of Federal acquisition and use of the Company interests. The adequacy of the well supply alone, is one factor. Mr. Smith has suggested that East Creek water may be desirable for dilution purposes even if not an essential quantitative supplemental supply. The cost of the Company interests might be a factor if they were conveyed by purchase, or in condemnation, rather than donation. There might also be a necessary agreement to be reached if the Park Service and Company were to contribute water under their respective rights to what is apparently to be a single reservoir and storage system.

It seems to me that these matters should be much more nearly resolved than they appear to be, before WODC considers the type of treatment plant to provide. I also fail to see why Mr. Smith should even consider treatment of only part of the water if all is to be used through the same reservoir and distribution system.

blending
of water of
different
chemical
quality —
p.m.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Bryce Canyon
Chief, WODC (2)

L54

Bryce Canyon National Park

Bryce Canyon, Utah

October 14, 1960

Memorandum

To: Regional Director, Region Three
From: Superintendent, Bryce Canyon
Subject: State Engineer Requirements for Drilling Water Well,
Application No. 30802, Docket No. 3, Bryce Canyon
National Park

W O D C	
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SFTY	
ACTION TAKEN - DATE	

done

The following information is furnished as requested in your undated memorandum received October 7, 1960:

1. Perry Brothers Drilling Company has filed the required "Report of Well Driller" with the State Engineer. A signed copy is attached for inclusion in your files. Additional copies have been prepared for park files and for WODC.
2. The log of the drilling operation was maintained throughout by Perry Brothers, and is still in their possession. Insofar as sub-items (a), (b), (c), and (d) of your memorandum are concerned, the answers, briefed necessarily, are contained in the attached "Report of Well Driller." Specifically for sub-items (c) and (d) the water temperature was 55° F.; the hydrostatic level - 646 feet; the yield using a pump capable of producing 200 g.p.m. was 200+ g.p.m. with a maximum drawdown of 134 feet. An earlier test with a pump capable of producing 100 g.p.m. the yield was 100+ g.p.m. with a maximum drawdown of 105 feet.

Since the well drillers log is not on file here but in possession of Perry Brothers, I am sure they would be willing to make it available at any time. It should also be pointed out that all log data was collected by the Salt Lake City office of U. S. Geological survey.

We had previously informed you that we had not received the tag bearing the well application number. A further check discloses

mg

that no one in our present organization nor Mr. Lloyd Perry, with whom I checked yesterday, has ever seen this tag.

If there is any further information required or any additional data necessary, we will be very glad to assist in gathering it for you.

(Sgd.) Louis W. Hallock

Louis W. Hallock
Superintendent

Attachment

Copy to: WODC w/attachment ✓

Ground Water Branch
503 Federal Building
Salt Lake City, Utah

October 13, 1960

✓	Supervisor	10-14
✓	Assistant	10-14
✓	Administrative	10-14
✓	Engineer	10-14
✓	Surveyor	10-14
✓	File	10-14

TO: Regional Director, Region 3, National Park Service
P. O. Box 1728, Santa Fe, New Mexico

FROM: Acting District Geologist, Salt Lake City, Utah (GW)

SUBJECT: Bryce Canyon Water-test Well

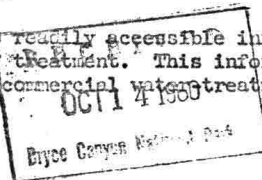
REFERENCE: I. W. Marine's memorandum of June 10, 1960 on the
above subject.

On September 23rd, J. S. Gates of this office visited Bryce Canyon to collect information so that I. W. Marine could prepare an appendix on the development and testing of the Bryce Canyon well for his report "Ground-Water Resources of the Bryce Canyon National Park Area, Utah."

Mr. Gates had a discussion with Louis W. Mallock, Richard V. Herrmann, and Driller Lloyd Perry on the future development and use of the well. Mr. Mallock requested that our office prepare a short summary of the possible courses of action and forward it to the Director, Region 3.

In our opinion there are the following alternatives:

- (1) Use the water as it is. The water is above the maximum of 500 ppm (parts per million) of dissolved solids recommended by the U. S. Public Health Service but below the 1,000 ppm allowed if no better water is available. The sulfate content is above the recommended maximum of 250 ppm. As a comparison, however, a sample taken at the Dinosaur National Monument museum on Nov. 18, 1958 contained 3,820 ppm dissolved solids and 2,550 ppm sulfate.
- (2) Treat the water. We have no readily accessible information on types and costs of treatment. This information could be obtained from commercial water treatment firms.



National Park Service, page 2

- III
- (3) Seal the 860-890 foot zone and use water from zones I, II, and IV. Examination of the chemical analyses of water samples collected during well-development indicates that the water of unsatisfactory quality is coming from zone III. Therefore, if zone III was sealed perfectly, water from zones I, II, and IV would apparently be of acceptable quality but of unknown potential quantity. The driller bailed 23 gpm from zones I and II and believes he can pump over 50 gpm from these zones. If the sealing of zone III were done, the pumping lift would be increased by 200 feet because zones I, II, and IV have lower pressure than zone III, but the extra cost and lower yield may be acceptable in the interest of getting better water.
- (4) Seal the lower 1,500 feet of the well by cementing and develop the upper zone (zone IV). Although zone IV is known to produce water of satisfactory quality, the driller estimates the quantity to be 5 gpm (gallons per minute) or less. The driller cannot develop this zone without considerable difficulty, and because of the type of rock in the zone, development would probably not increase its yield by more than a few gpm.

The above alternatives are listed in the order in which we believe they might be considered, but we have not attempted to weigh the economic factors that are unknown to us. The Park Service must weigh the economic and other factors that you consider pertinent and select the alternative that best suits your interests. If any of these alternatives are not clear, I shall be happy to try to clarify the points for you.

Harry D. Goode

JGG:kc

cc: Design Office, Attn: Ed. Smith
Western Office of Design and Construction
National Park Service
1000 Geary St.
San Francisco, California

✓ Superintendent, Bryce Canyon National Park
Bryce Canyon, Utah

Regional Chief of Lands
Region 3, National Park Service
P. O. Box 1728
Santa Fe, New Mexico

I. W. Marine

Region Three
Santa Fe, New Mexico

OCT 4 - 1960

L-94

Memorandum

To: Superintendent, Bryce Canyon
From: Acting Regional Director
Subject: State Engineer Requirements for Drilling Water Well,
Application No. 30802, Docket No. 3, Bryce Canyon
National Park

Now that the well in your area has been drilled, we are interested to find out if the rules and regulations as applied to drilling of wells in the State of Utah have been complied with.

Pertaining to these requirements will you notify us if:

1. Ferry Brothers filed a Well Drillers report with the State Engineer.
2. Did they have a log of this well containing the following information?
 - (a) The kind and nature of material in each stratum passed through or penetrated, with at least one entry for each ten-foot vertical interval;
 - (b) The depth from ground surface to the upper and lower limits of each formation and water-bearing stratum encountered;
 - (c) The hydrostatic level and temperature of the water in each aquifer encountered and the hydrostatic level in feet above or below ground surface of each completed well;
 - (d) The yield in second-feet, or in gallons per minute, of each completed well and, if equipped with a pump, the drawdown in feet at each measured yield.

If the above requirements have been complied with will you please send us copies of each?

In the letter from State Engineer of Utah dated May 8, 1959 giving us permission to drill this well, there was mention of a metal tag on which was stamped the application number covering the well.

W C T C
OCT - 6 '60

Mr. Tolson	
Mr. DeLoach	
Mr. Mohr	
Mr. Bishop	
Mr. Casper	
Mr. Callahan	
Mr. Conrad	
Mr. Felt	
Mr. Gale	
Mr. Rosen	
Mr. Sullivan	
Mr. Tavel	
Mr. Trotter	
Tele. Room	
Mr. Holmes	
Miss Gandy	

12-10-60
H. J. [unclear]
ACTION TAKEN DATE
H. J. [unclear]

We were supposed to receive this tag under separate cover and to the best of our knowledge, it never arrived. If your office received this tag, would you notify us as quickly as possible. If you have not received it, we will write to the office of the State Engineer and obtain a duplicate.

(SIGNED)

Jerome C. Miller
Acting Regional Director

Copy to: Director (2)
WODC (2) ✓

L-94

Region Three
Santa Fe, New Mexico

AUG 25 1960

Memorandum

To: Superintendent, Bryce Canyon
From: Assistant Regional Director
Subject: Measurements of Yellow Creek, Bryce Canyon National Park

Attached is a copy of conversion tables for Parshall flumes as distributed by the Thompson Pipe and Steel Company of Denver, Colorado. The conversion to c.f.s. using this table is fairly simple. You take the gage height reading, go across to the column for throat width of your gage, and you read c.f.s. direct. If you need to convert to g.p.m. you multiply by 448.8.

Now that water has been developed in the well, measurements of this stream are extremely important. Permission to drill the well, granted by the State Engineer of Utah in his letter of May 8, 1959, was granted with the condition "that the springs that make up the waters of Yellow Creek be measured periodically" (see paragraph three of letter of May 8, 1959, Application 30802). It is our suggestion that you begin measurements at least twice a week until test pumping begins. When Perry Brothers start pumping at 200 g.p.m. then this stream should be measured every day for at least a week making careful note of the decrease in flow if any.

A copy of this memorandum and a print of the conversion tables have been sent to Park Engineer Joe McCabe through the Superintendent, Zion.

(SIGNED)

George W. Miller
Assistant Regional Director

Attachments

Copy to: Director (2) without attachments
Supt., Zion with attachments
Chief, WADC (2) without attachments

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Copy to Hansen	
8/29/60	

Region Three
Santa Fe, New Mexico

JUL 8-1960

Memorandum

To: Superintendent, Bryce Canyon
From: Assistant Regional Director
Subject: Installation of Flumes in Yellow Creek, Bryce Canyon
National Park

On June 23, 1960, this office wrote a memorandum to you concerning the above subject. At that time it was anticipated that Civil Engineer Fields would be in your area to assist with the installation of the above flumes during the week of July 11-16.

Representatives of Western Office of Design and Construction will be in Grand Canyon to make a reconnaissance of the new water line location, and it is advisable that Mr. Fields be in Grand Canyon during the period July 12-16. Therefore, it will be necessary to again postpone his trip to your area. We will establish a firm date for installation of the flumes at Yellow Creek as soon as Mr. Fields returns from Grand Canyon.

(SIGNED)

George W. Miller
Assistant Regional Director

Copy to: Director (2)
Chief, WDC (2)

W O D C		JUL 11 '60	
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		SFTV	
		ACTION TAKEN - DATE	
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7/11/60

after

by sent Short & Stevens, 7/11/60

WAYNE D. CRIDDLE
STATE ENGINEER

RECEIVED	
U.S. DEPARTMENT OF AGRICULTURE	
AUG 24 1959	
TO	DATE
FROM	
SUBJECT	
REMARKS	
	
	
FILED	

Invoice in triplicate -

May have been sent one to Fred
direct in the 1. st. & sat. y

NOTICE TO WATER USERS

The following applications have been filed with the State Engineer to appropriate water in Garfield County, State of Utah, throughout the entire year unless otherwise designated. All locations are in SLB&M.

30474 - Amasa Lyman, Star Route, Sandy, Ut. 3 sec.-ft. from Pennel Creek, trib. to Bullfrog Creek at a point S. 1000 ft. and E. 100 ft. from NW Cor. Sec. 6, T34S, R11E. The water is to be diverted by means of an earth dam and conveyed by flume and earth ditch to a natural channel, thence 7,060 ft. to the place of use, and used from Mar. 15 to Oct. 15 to irrigate 160 acres in N $\frac{1}{2}$ Sec. 13, T34S, R10E, and for year-round domestic requirements of one family and watering of 100 cattle, 400 sheep and 10 horses.

30802 - United States of America for Bryce Canyon National Park, National Park Service, Box 1728, Sante Fe, New Mexico. .75 sec.-ft. from a 16-in. well, 2000 ft. deep at a point S. 4°38'E. 7541.81 ft. from W $\frac{1}{4}$ Cor. Sec. 1, T37S, R4W. The water will be pumped from the well through 9000 ft. of 6" pipe to a 1,000,000 gallon distribution tank from which the water will be distributed and used for the domestic requirements of 13 families, for seasonal requirements of 127 employees and 500,000 annual visitors, stock watering of 30 horses and for all municipal type uses within the Bryce Canyon National Park.

30854 - S. Ellis Johnson, Box 195, Wellington, Ut. 10 sec.-ft. from a 16-in. well bet. 300 and 500 ft. deep at a point N. 1620 ft. and W. 10 ft. from SE Cor. Sec. 29, T37S, R2W. The water is to be used from Apr. 1 to Oct. 31 to irrigate 480 acres in S $\frac{1}{2}$ Sec. 29, NW $\frac{1}{4}$ Sec. 32, T37S, R2W, and for year-round domestic requirements of two families and watering of 10 cattle, 2 horses, 50 sheep.

Protests resisting the granting of any of the foregoing applications with reasons therefor, must be filed in duplicate with the State Engineer, 403 State Capitol, Salt Lake City 14, Utah, on or before August 29, 1959.

Wayne D. Criddle
STATE ENGINEER
(Published in the Garfield County News, Panguitch, Utah, from July 16, to July 30, 1959)



THE STATE OF UTAH
OFFICE OF STATE ENGINEER

SALT LAKE CITY
May 8, 1959

United States of America
Bryce Canyon National Park
National Park Service
Box 1728
Santa Fe, New Mexico

L 54
BRCK

RECEIVED	
NPS	STATE ENGINEER
WAYNE D. CRIDDLE	1959
DATE	
ADVIS. R.D.	
ADMIN.	
INSTR.	
RECREATION	
FORESTRY	
SOLICITOR	
FILES	

Gentlemen:

RE: APPLICATION NO. 30802

Your above-numbered application proposes to appropriate 0.75 sec.-ft. of water from a 16-inch well, 2000 feet deep, located S. 4°38' E. 7541.81 ft. from W $\frac{1}{4}$ Cor. Sec. 1, T37S, R4W, S1B&M, for domestic and miscellaneous purposes within Bryce Canyon National Park.

You have requested permission to proceed immediately with the drilling of this well. This letter grants you that privilege with the understanding that all risks as regards water rights are being assumed by you, and with the assumption that there may be unappropriated water in this area and no likelihood of serious interference with other water rights. You may proceed to drill this well before receiving official approval of the application. However, this action in no way grants any right to the use of water from said well. Such right of use may be granted only if and when your application is completed according to the laws controlling the appropriation of water and, of course, subject to existing rights.

In regards to your particular situation please be advised that permission to proceed is granted with the condition that the springs that make up the waters of Yellow Creek be measured periodically, as will be agreed upon between the applicant, the State Engineer's Office and the United States Geological Survey, after the drilling of this proposed well and during the time when water is being diverted and used.

If other than new standard casing is to be used in this well such casing must be inspected and approved by a representative from this office. All wells must be so constructed and finished that they may be readily controlled at all times, in order to prevent waste of underground water. Wells must be drilled and cased in such a manner that will prevent the infiltration of contaminated water into them.

The driller must be bonded and have a current permit from the State Engineer. Before commencing, he must give this office notice as to the day he will begin drilling. Also, within 30 days after the well has been completed or abandoned, he must file a well driller's report. This report is to contain accurate and complete information regarding the work done, and become part of the files in this office pertaining to Application No. 30802. Under separate cover is forwarded a metal tag on which is stamped the application number covering your well. This metal tag must be attached to the well as a permanent part thereof.

This is permission for a licensed driller to begin drilling your well.

Yours very truly,

Wayne D. Criddle
Wayne D. Criddle,
STATE ENGINEER.

DGS/me

L. H. authorizes the drilling of well, but not the drawing of water.

L54-CBL

April 28, 1959

Memorandum (AIR MAIL)

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Application 30802 for the Appropriation of Ground Water
Pending Docket 3, Bryce Canyon

WESTERN OFFICE
DESIGN & CONSTRUCT
MAY 1 1959A

CHIEF
ADMIN. ASSIST.
PERSONNEL
PLANS & PROG.
SAFETY
ARCHITECT
ENGINEER
LAND ACQ.
RECORDS
ACTION TAKEN - DATE

Reply to Mr. Kell's memorandum of April 3 concerning the rental and use of the electric logging equipment of the Geological Survey has been inadvertently delayed. I believe that its use would be advantageous in this case, and the use of either M&P Investigation or Water Right Construction funds could be justified. I should prefer to use the M&P funds if the payment can be made as a 1959 charge, but would probably have to use Construction funds in 1960.

The time element, which depends largely on when the well is drilled, should be considered by you, Mr. Waite and WODC, and we should then be advised so that we can arrange for financing. If 1959 M&P funds can be used, please refer to earlier correspondence concerning the use of the same M&P funds for the Geological Survey payments for participation in the pump tests and analyses at Montezuma Castle and Mupatki. You should make one consolidated request for any further M&P funds you desire for 1959 work.

Folders for Docket 3 are being sent by separate memorandum today. We have made the addition on the application and draft of the docket folder, in accordance with Mr. Kell's memorandum of April 15. However, there are either errors in the second page of the memorandum, or the reference to priority of March 20, 1959, in second paragraph, page 1.

If, on page 4 of application, line 1 reads 9:30 AM March 30, 1959, that is date of priority, then I wonder whether line 5 should not give application plotted March 23, 1959, and not 1951. I believe line 1 should read March 20, 1959, and line 6 refers to action taken 3 days later. If Mr. Kell's memorandum is correct, the discrepancies should be referred to the State Engineer.

I also believe that Mr. Criddle had a letter instructing us to make some changes or additions in red ink. Otherwise, he would have held it until after advertising, and would have signed it.

*Bid item -
Specs for M
this is*

*4. No action
6. H. Kell*

I would write for explanation of all these points without returning the application until he requests you to do so.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Mr. Herbert A. Waite, Geological Survey, Salt Lake City, Utah
Superintendent, Bryce Canyon
Chief, WODC

Application No. 30802

APPLICATION TO APPROPRIATE WATER STATE OF UTAH

NOTE.—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☒ Power ☐ Mining ☐ Other Uses ☐

2. The name of the applicant is United States of America for Bryce Canyon National Park

3. The Post Office address of the applicant is National Park Service, Box 1725, Santa Fe, New Mexico

4. The quantity of water to be appropriated is 0.75 second-feet or _____ acre-feet

5. The water is to be used each year from January 1 (Month) to December 31 (Day) Incl., and stored each year (if stored) from _____ (Month) (Day) to _____ (Month) (Day) Incl.

6. The drainage area to which the direct source of supply belongs is Colorado River (Leave Blank)

7. The direct source of supply is Underground water (Name of stream or other source)

which is tributary to _____, tributary to _____
*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Garfield County, situated at a point which bears S 40° 38' E, 7541.81 ft. from the 1 corner common to sections 1 and 2, T 37 S. R 1 W. S 20 E

*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object.

9. The diverting and carrying works will consist of a 16" well approx. 2000 ft. deep, pump and approx. 9000 of 6" pipe from well to 1,000,000 gallon distribution tank

10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____ area inundated in acres _____ legal subdivision of area inundated _____

11. The cross section of the diverting channel will be 1-1 (Strike ones not needed) 11,000 feet.

12. The length of the diverting channel, exclusive of laterals, will be _____ feet.

13. The grade of the diverting channel will be 2.063 ft. vertical & horizontal feet per thousand.

14. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

soil type _____ Total area irrigated _____ acs.

15. If application is for power purposes:

Number of wheels _____ Type and size of wheels _____ Total

horsepower output _____ Head under which wheel will operate _____

16. If application is for mining, the water will be used in _____ Mining District at the _____ mine, where the following ores are mined _____

17. If application is for stockwatering purposes, number and kind of stock watered _____

18. If application is for domestic purposes, number of families to be served _____

19. If application is for municipal purposes, name of municipality Bryce Canyon National Park

20. If application is for other uses, include general description of proposed uses _____

21. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 15 to 20 inclusive see attached boundary description which has also been given in Applications 20276 and by reference in Application 21353

No Application will be received for filing in which the point of diversion is not described definitely.

EXPLANATORY

The Quantity of Water Sought to be Appropriated is Limited to that which can be

This well is intended to provide the main supplemental water supply for the Municipal Area known as Bryce Canyon National Park, as previously described in Applications 20276 and 21353. Water is also obtained for the same Park community under Applications 9221, 94 and rights of the Utah Parks Company to waters of east Creek, tributary to the Sevier River and claims under Applications 27154 and 27395. Water will be commingled in said new 1,000,000 gallon reservoir at site of three existing reservoirs (to be removed), in SW 1/4 NE 1/4 Sec. 1, T 37 S, R 4 E, SE 1/4 NE 1/4.

THE UNITED STATES OF AMERICA

Signature of Applicant*

STATE OF UTAH, } ss
County of

DECLARATION OF CITIZENSHIP

My commission expires:

(SEAL)

Notary Public

Name of Municipality - Bryce Canyon National Park

Description of boundary embracing municipal area - Beg. SW Cor. Sec. 36, T. 36 S., R. 4 W., S. L. B. & M., thence on the following traverse, northerly on W. line Secs. 36 and 25 to $W\frac{1}{2}$ Cor. Sec. 25, easterly on center line to center Sec. 25, northerly on C. line to $N\frac{1}{2}$ Cor. Sec. 25, and easterly on N. line to NE Cor. Sec. 25, T. 36 S., R. 4 W., northerly on W. line Sec. 19, T. 36 S., R. 3 W., to NW Cor. $S\frac{1}{2}S\frac{1}{2}$ Sec. 19, easterly on N. line $S\frac{1}{2}S\frac{1}{2}$ Sec. 19 to NE Cor. $SE\frac{1}{4}SE\frac{1}{4}$, northerly on W. line Sec. 20 to NW Cor. $SW\frac{1}{4}NW\frac{1}{4}$, easterly on N. line $S\frac{1}{2}NW\frac{1}{4}$ to NE Cor. $SE\frac{1}{4}NE\frac{1}{4}$, northerly on C. line Secs. 20 and 17 to SE Cor. $N\frac{1}{2}SE\frac{1}{4}SW\frac{1}{4}$ Sec. 17, westerly on S. line $N\frac{1}{2}SE\frac{1}{4}SW\frac{1}{4}$ to SW Cor. $N\frac{1}{2}SE\frac{1}{4}SW\frac{1}{4}$, northerly on C. line $SW\frac{1}{4}$ Sec. 17 to NW Cor. $S\frac{1}{2}NE\frac{1}{4}SW\frac{1}{4}$ Sec. 17, easterly on N. line $S\frac{1}{2}NE\frac{1}{4}SW\frac{1}{4}$ to N.-S. C. line Sec. 17, northerly on C. line to C. Sec. 17, westerly on C. line to SW Cor. $SE\frac{1}{4}NW\frac{1}{4}$, northerly on W. line $SE\frac{1}{4}NW\frac{1}{4}$, westerly on S. line $NW\frac{1}{4}NW\frac{1}{4}$ and northerly on N. S. C. line $NW\frac{1}{4}NW\frac{1}{4}$, and easterly on N. line to $N\frac{1}{2}$ Cor. Sec. 17, northerly on C. line Sec. 8 to $N\frac{1}{2}$ Cor., easterly on N. line Secs. 8 & 9 to SW Cor. $SE\frac{1}{4}SE\frac{1}{4}$ Sec. 4, northerly on W. line to NW Cor. $SE\frac{1}{4}SE\frac{1}{4}$ Sec. 4, easterly on N. line $S\frac{1}{2}S\frac{1}{2}$ Secs. 4, 3 & 2 to NE Cor. $SE\frac{1}{4}SW\frac{1}{4}$ Sec. 2, southerly on C. line Secs. 2, 11, 14 & 23, to SE Cor. $NE\frac{1}{4}NW\frac{1}{4}$ Sec. 23, westerly on S. line $N\frac{1}{2}NW\frac{1}{4}$ Secs. 23 & 22 to NE Cor. $SW\frac{1}{4}NE\frac{1}{4}$ Sec. 22, southerly on E. line $W\frac{1}{2}E\frac{1}{2}$ to SE Cor. $SW\frac{1}{4}SE\frac{1}{4}$, easterly on S. line to $S\frac{1}{4}$ Cor. Sec. 22, southerly on C. line Secs. 27 & 34 to SE Cor. $NE\frac{1}{4}NW\frac{1}{4}$ Sec. 34, westerly on S. line $N\frac{1}{2}NW\frac{1}{4}$ to NE Cor. $SE\frac{1}{4}NE\frac{1}{4}$ Sec. 33, southerly on E. line to SE Cor. and westerly on S. line to $S\frac{1}{4}$ Cor. Sec. 33, T. 36 S., R. 3 W., southerly on C. line to center Sec. 4, T. 37 S., R. 3 W., westerly on C. line Secs. 4 & 5 to NE Cor. $NW\frac{1}{4}SE\frac{1}{4}$ Sec. 5, southerly on E. line $W\frac{1}{2}SE\frac{1}{4}$ Sec. 5 to NW Cor. $NE\frac{1}{4}NE\frac{1}{4}$ Sec. 8, easterly on N. line, southerly on E. line, and westerly on S. line $NE\frac{1}{4}NE\frac{1}{4}$ Sec. 8, southerly on E. line $W\frac{1}{2}E\frac{1}{2}$ to NW Cor. $SE\frac{1}{4}SE\frac{1}{4}$ Sec. 8, easterly on N. line to NE Cor. $SE\frac{1}{4}SE\frac{1}{4}$ Sec. 8, southerly on E. line Secs. 8, 17 & 20 to SE Cor. Sec. 20, westerly on S. line Secs. 20 & 19, T. 37 S., R. 3 W., and Secs. 24, 23 & 22, T. 37 S., R. 4 W., to $N\frac{1}{2}$ Cor. Sec. 27, southerly on C. line to $S\frac{1}{4}$ Cor. & westerly on S. line to SW Cor. Sec. 27, southerly on E. line Sec. 33 to $E\frac{1}{4}$ Cor., westerly on C. line Sec. 33 to $E\frac{1}{4}$ Cor. Sec. 32, southerly on E. line Secs. 32, T. 37 S., R. 4 W., and Sec. 5, T. 38 S., R. 4 W., to SE Cor. Sec. 5, westerly on S. line to $S\frac{1}{4}$ Cor. Sec. 5, southerly on C. line Secs. 8 & 17 to $S\frac{1}{4}$ Sec. 17, easterly on N. line Secs. 20, 21 & 22 to NE Cor. $NW\frac{1}{4}NW\frac{1}{4}$ Sec. 22, southerly on E. line $W\frac{1}{2}W\frac{1}{2}$ Secs. 22, 27 & 34 to SE Cor. $SW\frac{1}{4}NW\frac{1}{4}$ Sec. 34, westerly on C. line Secs. 34 & 33 to center Sec. 33, southerly on C. line to $S\frac{1}{4}$ Cor. Sec. 33, westerly on S. line Sec. 33, T. 38 S., R. 4 W., to $N\frac{1}{2}$ Sec. 3, T. 39 S., R. 4 W., southerly on C. line to $S\frac{1}{4}$ Cor. Sec. 3, westerly on S. line Secs. 3, 4 & 5, to $S\frac{1}{4}$ Cor. Sec. 5, northerly on C. line to $N\frac{1}{2}$ Cor. Sec. 5, easterly on N. line Sec. 5, T. 39 S., R. 4 W., to $S\frac{1}{4}$ Cor. Sec. 31, T. 38 S., R. 4 W., northerly on C. line Secs. 31, 30 & 19, to $S\frac{1}{4}$ Cor. Sec. 18, westerly on S. line Sec. 18 to SW Cor., northerly on W. line Secs. 18, 7 and 6, T. 38 S., R. 4 W., and Sec. 31, T. 37 S., R. 4 W., to $W\frac{1}{2}$ Cor. Sec. 31, easterly on C. line Sec. 31 to $E\frac{1}{4}$ Cor., northerly on W. line Sec. 32 to NW Cor., easterly on N. line Sec. 32 to NE Cor. $NW\frac{1}{4}NW\frac{1}{4}$, northerly on W. line $E\frac{1}{2}SW\frac{1}{4}$ Sec. 29 to NW Cor. $NE\frac{1}{4}SW\frac{1}{4}$, easterly on C. line to center Sec. 29, northerly on C. line to $N\frac{1}{2}$ Cor. and easterly on N. line to NE Cor. $NW\frac{1}{4}NE\frac{1}{4}$ Sec. 29, northerly on W. line $E\frac{1}{2}SE\frac{1}{4}$ Sec. 20 to NE Cor. $NW\frac{1}{4}SE\frac{1}{4}$, easterly on C. line to $E\frac{1}{4}$ Cor. Sec. 20, northerly on W. line Sec. 21 to NW Cor., easterly on N. line to NE Cor. $NW\frac{1}{4}NW\frac{1}{4}$ Sec. 21, northerly on W. line $E\frac{1}{2}SW\frac{1}{4}$ Sec. 16 to NW Cor. $NE\frac{1}{4}SW\frac{1}{4}$, easterly on C. line to center Sec. 16, northerly on C. line to $N\frac{1}{2}$ Cor. and easterly on N. line to NE Cor. Sec. 16, northerly on W. line Sec. 10 to $W\frac{1}{2}$ Cor., easterly on C. line to center Sec. 10, northerly on C. line Secs. 10 & 3 to NW Cor. $SW\frac{1}{4}SE\frac{1}{4}$ Sec. 3, easterly on N. line $S\frac{1}{2}SE\frac{1}{4}$ to NE Cor. $SE\frac{1}{4}SE\frac{1}{4}$ Sec. 3, northerly on W. line Sec. 2 to $W\frac{1}{2}$ Cor., easterly on C. line to $E\frac{1}{4}$ Cor. and northerly on E. line to NE Cor. Sec. 2, T. 37 S., R. 4 W., westerly on S. line Sec. 36, T. 36 S., R. 4 W., S.L.B.&M. to SW Cor., the point of beginning.

Legal Subdivisions of U. S. Land Survey embraced within municipality.

Sec. 36, & S $\frac{1}{2}$ & NE $\frac{1}{4}$ Sec. 25, T. 36 S., R. 4 W., S.L.B. & M.; S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 2,
 S $\frac{1}{2}$ S $\frac{1}{2}$ Sec. 3, SE $\frac{1}{4}$ Sec. 4, E $\frac{1}{2}$ Sec. 8, Secs. 9 & 10, W $\frac{1}{2}$ Secs. 11 & 14,
 Secs. 15 & 16, E $\frac{1}{2}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ & N $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17, S $\frac{1}{2}$ S $\frac{1}{2}$
 Sec. 19, S $\frac{1}{2}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, & NE $\frac{1}{4}$ Sec. 20, Sec. 21, W $\frac{1}{2}$, W $\frac{1}{2}$ E $\frac{1}{2}$, & NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22,
 N $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 23, W $\frac{1}{2}$ Sec. 27, Secs. 28, 29, 30, 31, 32, 33 & N $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34,
 T. 36 S., R. 3 W., S.L.B. & M.; NW $\frac{1}{4}$ Sec. 4, N $\frac{1}{2}$, SW $\frac{1}{4}$ & W $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 5, Secs. 6,
 7, W $\frac{1}{2}$, W $\frac{1}{2}$ E $\frac{1}{2}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, & SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8, Secs. 17, 18, 19 & 20, T. 37 S.,
 R. 3 W., S.L.B. & M.; Sec. 1, S $\frac{1}{2}$ Sec. 2, S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3, S $\frac{1}{2}$ & NE $\frac{1}{4}$ Sec. 10,
 Secs. 11, 12, 13, 14, 15 E $\frac{1}{2}$, & E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16, E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 20, Secs. 21,
 22, 23, 24, W $\frac{1}{2}$ Sec. 27, Sec. 28, E $\frac{1}{2}$, & E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 29, S $\frac{1}{2}$ Sec. 31, Sec. 32,
 & N $\frac{1}{2}$ Sec. 33, T. 37 S., R. 4 W., S.L.B. & M.; Secs. 5, 6, & 7, W $\frac{1}{2}$ Secs.
 8 & 17, Sec. 18, E $\frac{1}{2}$ Sec. 19, Secs. 20, 21, W $\frac{1}{2}$ W $\frac{1}{2}$ Secs. 22 & 27, Secs. 28
 & 29, E $\frac{1}{2}$ Secs. 20 & 31, Sec. 32, W $\frac{1}{2}$ & NE $\frac{1}{4}$ Sec. 33, & W $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34, T. 38 S.,
 R. 4 W., S.L.B. & M.; W $\frac{1}{2}$ Sec. 3, Sec. 4, & E $\frac{1}{2}$ Sec. 5, T. 39 S., R. 4 W.,
 S.L.B. & M.

EXPLANATORY CONTINUED

annual public visitation. There is incidental irrigation of lawns and shrubs at various developed areas.

~~NOTHING HEREIN SHALL CONSTITUTE A WAIVER OF ANY OTHER RIGHTS WHICH THE UNITED STATES MAY HAVE TO THE SAME WATER.~~

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

NOTICE TO APPLICANT

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.

Fees Required by Law Payable to State Engineer

For filing Application to appropriate 10 second-feet of water or less.....	\$2.50
and additionally, \$1.00 for each second-foot above 10.	
For filing Application to appropriate 500 acre-feet of water or less.....	2.50
and additionally, 2 cents for each acre-foot above 500.	
When the filing fee on any application to appropriate water shall exceed \$1,000.00, the balance of the fee in excess of \$1,000.00 may, at the option of the applicant, be paid at the time of the Proof of Appropriation is submitted.	
For approving and recording completed Application.....	2.50
For filing written Proof of Appropriation.....	1.00
For examining map, profile and drawings that are part of the Proof of Appropriation.....	5.00
For issuing Certificate of Appropriation.....	1.00

NOTE—Applicants will save time and expense by familiarizing themselves with the law before making Application.

Page No. 4

(This page is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. 930 A.M. 3/24/59 Application received ~~over counter~~ ^{by mail} in State Engineer's office by ECA
2. _____ Priority of Application brought down to, on account of _____
3. No Fee Required Fee for filing Application, \$ _____, received by _____ Rec. No. _____
4. _____ Application copied in book M.S. 13, page 375, and indexed by V.G.
5. Mar 23, 1959 Application platted by A.C.T. (C-37-4) 12 ccs
6. _____ Application examined by _____
7. _____ Application returned, with letter, to _____ for correction _____
8. _____ Corrected Application resubmitted ~~over counter~~ ^{by mail} to State Engineer's office.
9. _____ Fee for publishing notice requested.
10. _____ Fee for publishing notice, \$ _____, received by _____ Rec. No. _____
11. _____ Application approved for advertisement by _____
12. _____ Notice to water users prepared by _____
13. _____ Publication began; was completed _____
Notice published in _____
14. _____ Proof slips checked by _____
15. _____ Application protested by _____
16. _____ Application designated for ~~approval~~ ^{rejection} by _____
17. _____ Fee for approving Application requested _____
18. No Fee Required Fee for approving Application, \$2.50 received by _____ Rec. No. _____
19. _____ Application proofread or photostated by _____
20. _____ Application ~~approved~~ ^{rejected} and returned to applicant _____

This Application is approved, subject to prior rights, if any, on the following conditions:

1. Actual construction work shall be diligently prosecuted to completion.
2. Proof of Appropriation shall be submitted to the State Engineer's office by _____
3. _____

State Engineer.

21. _____ Time for making Proof of Appropriation extended to _____
22. _____ Proof of Appropriation submitted.
23. _____ Fee for filing Proof of Appropriation, \$1.00, received by _____ Rec. No. _____
24. _____ Fee for examining maps, profiles and drawings, \$5.00, received by _____
Rec. No. _____
25. _____ Fee for issuing Certif. of Appropriation, \$1.00, received by _____ Rec. No. _____
26. _____ Certificate of Appropriation, No. _____, issued

Application No. 30802

[illegible]

81959

RECEIVED
MAR 23 1959
FBI - NEW YORK

It is our understanding that the cost of advertising must be borne by this office and that your office will send us a bill upon completion of the necessary newspaper publication. Upon receipt of this bill we will transmit a purchase order and voucher for you to sign to reimburse your office for the necessary expense.

If the application meets with your approval, we would like to have an original signed copy returned to this office at the above address.

In order to expedite matters, if you have any questions regarding the application, we suggest you telephone Mr. Kell collect. Our office hours are 8:00 to 12:00 and 12:30 to 4:30, Monday through Friday. Our telephone number is YUcca 5-4531.

Sincerely yours,

Hugh M. Miller
Regional Director

Enclosures

Copy to: Director (2) w/1 attachment
Supt., Bryce Canyon w/1 attachment ✓
Chief, WSPC w/1 attachment

L-54

Region Three
Santa Fe, New Mexico

MEMORANDUM

October 15, 1958

cy mule
Stratton

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
OCT 20 1958 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
ACTION TAKEN - DATE	
11/11	

To: Regional Director through Regional Chief of Operations

From: Regional Chief of Lands

Subject: Proposed Well, Water Supply System, Bryce Canyon National Park

Arrived at Panguitch, Utah, Monday afternoon, September 22 for attendance of water rights hearings to be held on September 23. I met Geologist I. Wendell Marine who had driven to Panguitch with representatives of the State Engineer's Office and Mr. Marine advised the hearings which we were interested in attending (Utah Parks Company vs. East Fork Irrigation Company) had been scheduled for 3 P.M. September 23. A separate report has been prepared covering the hearings.

In order to take the best possible advantage at the time, Mr. Marine and I went directly to Bryce Canyon the morning of September 23 where we met with Superintendent Dean, Landscape Architect Ronald Hartman, and Project Supervisor Ralph Stratton. Accompanied by these gentlemen and Chief Ranger Stanley E. Brown, we reviewed Mr. Marine's report on the ground and with his advice selected a site for the proposed test well. A well as a permanent source of water was recommended in Supervisory Engineer P. E. Smith's memorandum to the Regional Director of September 3. It is Mr. Marine's belief that an adequate supply of water (300 g.p.m.) can be encountered by drilling a bed-rock well to a depth of 1750 to perhaps 2000 feet. The location of the well would be approximately at the "test site" as shown on Figure 2, "Map of Bryce Canyon National Park area, Utah, showing the location of springs, wells, and other features" in the pocket of Mr. Marine's unedited report. On the ground Mr. Marine was able to point out the approximate location of the Bryce Canyon anticline, and the test well has been proposed along the long axis of the anticline. It was Mr. Marine's belief that the

well site could be located along the anticline in a general northeast-southwest direction with approximately the same production expected. He did, however, caution that we should not move any great distance northwest-southeast, perpendicular to the long axis of the anticline. A tentative location of the well based on this information was made in the field.

Superintendent Bean will arrange for the necessary engineering work in order that a tie to a section corner or quarter corner can be made to be used in our application for permit to drill a well as required by the State Engineer.

We continued this discussion in Salt Lake City with Mr. Waite and Mr. Marine and during a portion of the discussion Mr. Francis T. Mayo, Chief, Water Resources Branch of the Utah State Engineer's Office was present. We discussed informally with Mr. Mayo the restrictions of drilling a test well and the protests that might accrue when the well is advertised. We also informally explored the possibility of making a separate filing on Yellow Creek Springs.

The purpose of the filing of Yellow Creek Springs would be as a protection in the future:

1. Such filing is the only way of notification of the State Engineer of the proposed well.
2. Such filing in the State Engineer's Office is the best way of notifying the State Engineer of the flow of Yellow Creek Springs might possibly be diminished.

Mr. Mayo strongly recommended continued measurement of the flow of Yellow Creek and Yellow Creek Springs for at least another year in order to determine the effect of the flow of Yellow Creek, if any, as the result of pumping from the proposed well. It was also Mr. Mayo's recommendation that our application be for the full amount we expect to obtain--300 gallons per minute.

As soon as the necessary field data and ties to section corners are received from Superintendent Bean, I will discuss the drafting of the proposed applications with Mr. Dunn in order that applications can be filed with the State Engineer as soon as possible.

JOHN E. KELL

John E. Kell

Regional Chief of Lands

Copy to: Director (2)
Supt. Bryce Canyon
W. O. D. C. (2) ✓



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

June 27, 1957

IN REPLY REFER TO:

154-L BRCA

REG. DIRECTOR
ASST. REG. DIRECTOR
CHIEF, DIV. OF ADMIN.
CHIEF, DIV. OF OPERATIONS
CHIEF, DIV. OF INTERP.
CHIEF, DIV. OF COOP. ACT.
FIELD SOLICITOR
<i>Kell</i>
ACTION TAKEN
FILE

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Claim or Rights of Tropic and East Fork Irrigation Company to Bryce Springs, Alien Water Right No. 3, Bryce Canyon

With copies of this memorandum we are distributing the designated alien water right with available contents, to WODC as well as you and the Superintendent. As an encumbrance on the Park water resources it may be an important factor in the current water resources study, and planning and design of the new water system.

The question of land status and basis of water rights might both be clarified somewhat by Mr. Barton even though the area may not be under his jurisdiction, if more facts are supplied.

As one memorandum for insertion in Part I there should be a statement as to when the first water development was made in SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 5. If the land was actually occupied as early as 1875, I seem to recall that the United States did not require a filing with the General Land Office until about 1878, but cannot recall the reference. If my memory is correct, the Company has adequate vested use of the land without the special use permit. If the development and use of the land was made after that date when it became necessary to file maps with the General Land Office, but before the Park (Monument) was established by Proclamation 1664 of June 8, 1923, the vested land use would depend on whether the necessary filing was made. In any case, I think the special use permit should only be the basis of land use if there is not a vested authority for the use before June 8, 1923.

The second question, which should be covered by a separate memorandum for Part II of the assembly, is whether the Company bases claims to the waters of which Bryce Springs are tributary on use before 1903. Please refer to the copy of the letter of February 15, 1949, from the State Engineer which is included with my review of water rights etc., at Arches National Monument, of which copy was sent to you with the memorandum of November 16, 1956, from the Acting Assistant Director. I do not know whether there was any required appropriative procedure for county filing before 1903 because my condensed water code does not give the date of the various acts, but the Company may have a diligence right to all water it diverted

by 1903. The point of diversion and quantity of water diverted under diligence rights should be determined from old Company records, if possible.

As a third memorandum for Part III of the assembly we should obtain references to any water right applications which have been filed since 1903 for the appropriation of water to which Bryce Springs are tributary. (We should also get copies of the applications, proof maps and certificates from the State Engineer, as time and funds under Account 0140 (143.2) permit.) This memorandum, or a subsequent one, should indicate what increase in diverted water is actually obtained by the extension of the water system to SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5. Only the increased diversion was appropriated by that extension, whether there was an appropriative application or not. The increase was previously consumed by native vegetation, wildlife, and evaporation, and subject to appropriation by any one who could and would make the direct diversion before the water was so consumed.

The particular permit, therefore, may or may not have validated old rights, as stated therein. I do not intend to pass on the resulting administrative recognition of old rights to the water in SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5, but I do caution against making such determinations in the future without adequate factual support, unless such action is part of a negotiated allocation of the waters flowing or seeping from the Park, between the United States and the community in Tropic. I also think that further permits should also be deferred until the water resources study and tentative Federal water development plans are completed.



A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: Superintendent, Bryce Canyon, w/c attachment
Chief, WODC, w/c attachment

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
16-114
(September 1955)
(Revised)

No. 14-10-3
Previous Permit No. _____
Year 1956

REVOCABLE SPECIAL USE PERMIT

13031

Bryce Canyon National Park, Utah
The Tropic and East Fork
Irrigation Company of **Tropic, Utah** is hereby authorized

during the period from July 1, 1956, 19____ to June 30, 1976, 19____,
to use the following-described land in the above-named area:

SE 1/4, NE 1/4, Sec. 5, T. 37 S., R. 3 W., S.L.M., Utah, as shown on accompanying plat and
marked surveyed on the ground. Such lands described above lying within the drainage
of Bryce Canyon and containing certain springs, known collectively as Bryce Springs
only a portion of which lie within the Park boundaries. The springs both within
and without the Park have been used by the town of Tropic for irrigation and
culinary water since about 1876. This permit is issued by virtue of the fact that
the town appears to have had valid and existing rights prior to the creation of the
Park and to comply with standards for culinary water fixed by the Utah Department of
Health requiring fencing and underground conveyance of culinary water from source.
for the purpose of _____ (See P.3)

Collecting, conveying and fencing out all domestic and wild animals from the
source of the water, for entering upon, maintaining and repairing the collection and
conveying facilities and maintaining protective fences as shown on attached plat.
subject to the conditions on the reverse here of and attached pages and to the payment to the Government

of the United States of the sum of Five Dollars per mile dollars (\$ 5.00),
annually

in advance/or as follows: Fee waived because of rights in existence at time of creation
of Park.

payment to be made to the Superintendent by express or postal money order, certified check, or draft
payable to the National Park Service.

Signed and approved at Zion National Park, this 10 day of May, 19 56

/s/ Glen T. Bean
Glen T. Bean, Assistant Superintendent.
Bryce Canyon National Park

The undersigned hereby accepts this permit subject to the terms, covenants, obligations, and reserva-
tions, expressed or implied, therein.

Two witnesses to signatures:

/s/ Marcio L. Cope * Tropic & East Fork Irrigation Co.
Harmon Shakespear, President

Address Tropic, Utah Address Tropic, Utah

Cora Shakespear

Address Tropic, Ut. Address _____

APPROVED:

Superintendent, Zion and Bryce Canyon National Parks

/s/ Paul R. Franke

Date 5/15/56

*Sign name or names as written in body of permit; for copartnership, permittees should sign as "members of firm"; for corporation, the officer
authorized to execute contracts, etc., should sign, with title, the sufficiency of such signature being attested by the Secretary, with corporate seal, in lieu
of witnesses.

(This copy for the Lands Division, Washington)

16-33068-4

SPECIAL CONDITIONS OF THIS PERMIT

1. Permittee shall exercise this privilege subject to the supervision of the Superintendent and shall comply with the regulations of the Secretary of the Interior governing the area.
2. Use by the permittee of the land covered hereby is subject to the right of the Director, National Park Service, to establish trails, roads, and other improvements and betterments over, upon, or through said premises, and further to the use by travelers and others of such roads and trails as well as of those already existing.
3. The permittee agrees to hold harmless the United States from all claims for damages to the lands covered hereby caused by the use thereof by the permittee or his employees or agents, except to the extent that such damages may be caused by the negligence of the United States.
4. No building or other structure shall be erected under this permit except upon prior approval of plans and specifications by the Director, National Park Service, and the premises and all appurtenances thereto shall be kept in a safe, sanitary, and sightly condition.
5. Permittee shall dispose of brush and other refuse as required by the Superintendent.
6. Permittee shall pay the United States for any damage resulting from this use.
7. Permittee and his employees shall take all reasonable precautions to prevent forest fires and also shall assist the Superintendent to extinguish forest fires in the vicinity of any tract which may be used hereunder, and in the preservation of good order within the metes and bounds of the area.
8. No timber may be cut or destroyed without first obtaining permit therefor from the Director, National Park Service, in writing.
9. This permit may not be transferred or assigned without the consent of the Director, National Park Service, in writing.
10. This permit may be terminated upon breach of any of the conditions herein or at the discretion of the Director, National Park Service.
11. Neither Members of, nor Delegates to Congress, or Resident Commissioners shall be admitted to any share or part of this permit or derive, either directly or indirectly, any pecuniary benefit to arise therefrom: *Provided*, however, that nothing herein contained shall be construed to extend to any incorporated company, if the permit be for the general benefit of such corporation.
12. Permittee shall take adequate measures, as directed and approved by the Superintendent to arrest and prevent soil erosion on the lands covered hereby and shall so utilize such lands as not to contribute to erosion on adjoining lands.
13. Upon expiration of this permit by limitation of time or its termination for any reason prior to its expiration date, the permittee, if all charges due the Government hereunder have been paid, shall remove within such reasonable period as is determined by the Superintendent, but not to exceed 90 days unless otherwise stipulated in this permit, all structures and improvements placed on the premises by him, and shall restore the site to its former condition under the direction of the Superintendent. If the permittee fails to remove all such structures and improvements within the aforesaid period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and the restoration of the site.
14. The term "Director, National Park-Service" as used herein shall include the appropriate Regional Director or Superintendent as the representative of the Director.
15. This permit includes and is modified by attached pages through

15. The tract covered by this Revocable Special Use Permit is specifically described as follows:

1. For the right of way (not to be fenced) 12.5 feet each side of the following centerline: Beginning at a point on the Park boundary 458.5 feet due west from the E $\frac{1}{4}$ corner of Section 5, T 37 S, R 3 W, S.L.M., Utah; thence north 21°34' E., 184 feet to the south end of the spring area.

2. For the spring area to be fenced, bounded as follows: Beginning at a point the north end of the above described centerline for the unfenced lane, said point being 171 feet north and 391 feet west of the E $\frac{1}{4}$ corner of Section 5, T. 37 S., R. 3 W., S.L.M., Utah; thence N. 68°26' W. 12.5 feet to a point; thence due north 200 feet, to a point; thence N. 53°30' E. 128 feet to a point; thence due east 196 feet to a point; thence due south 66 feet to a point; thence south 51°39' west 350 feet to a point; thence N. 68°26' W. 12.5 feet to the point of beginning.

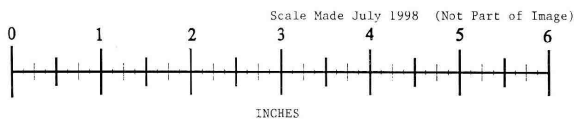
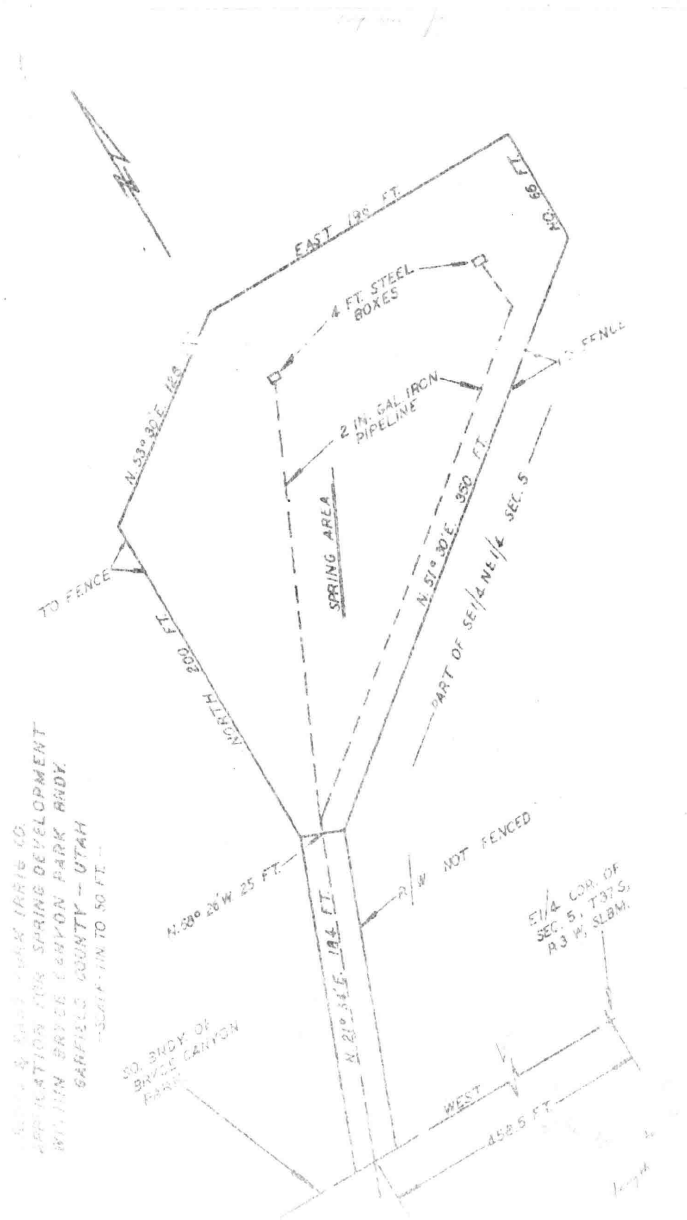
Rights to use the above described in no manner or way imply permission to appropriate water or use any other portion of Bryce Canyon National Park.

16. This permit shall be on an annual basis renewable from year to year for a period not to exceed twenty (20) years, and unless superseded by a new permit, shall be considered automatically renewed during each year and no formal renewal shall be required.

17. The rights of way and areas covered by this permit are limited to the areas described and to the use contemplated, but the permittee shall have further access as is required for the proper maintenance and operation of the system.

18. All pipes shall be buried a depth sufficient to prevent conflict with the normal use of the area by the National Park Service. Structures shall be located and designed in accordance with plans approved by the Director of the National Park Service.

18. As contemplated by Executive Order No. 9346 of May 27, 1943, the permittee shall not discriminate against any employee or applicant for employment because of race, creed, color, or national origin, and shall include a provision similar to this provision in any subcontract made with respect to the privileges herein granted.



Docket Information

Number of Documents in Docket 86

Documents Dated from 5/15/1956 to 12/3/1982

Docket Compiled: 2/1/2011