



WATER-RIGHT DOCKET

Bryce Canyon National Park

Docket No: 2

HEADQUARTERS, WELL #1

Preliminary Docket Information

04-20-1967: Letter regarding water right #2 :appropriation of water from well to be dug within park boundaries; april 20, 1967

BRYCE CANYON NATIONAL PARK

WATER RIGHT #2

Headquarters Well

(Appl. Nos. 21353 and 3461; Cert. #4979)

The National Park Service applied for appropriation (Appl.#21353) of water from a well to be dug within the Park boundaries. This well was sunk and a certificate of appropriation #4979 by the State of Utah was issued March 29, 1955, to the National Park Service authorizing appropriation of the well water flow which measured at 0.003 second feet. The anticipated flow of 2,000 gallons per day, however, failed and a new appropriation application #3461 was filed to deepen the well. The well was deepened successfully, with result the flow is in excess of that authorized by Certificate #4979. Utah law requires a new appropriation for such excess. This has not been satisfied by application #3461, as such is only an application to deepen the existing well. There is no indication an application to appropriate this excess flow has been filed.

William Cruzen

April 20, 1967

Federal Docket #2

Form 114
25M 4-63IN THE SIXTH..... JUDICIAL DISTRICT COURT, IN AND FOR THE
COUNTY OF WAYNE..... STATE OF UTAHIN THE MATTER OF THE GENERAL DETERMINATION
OF RIGHTS TO THE USE OF WATER, BOTH SURFACE AND
UNDERGROUND, WITHIN THE DRAINAGE AREA OF THE
COLORADO RIVER IN KANE, GARFIELD, WAYNE, PIUTE,
EMERY, SEVIER AND SANPETE COUNTIES, UTAH, AND
EXCLUSIVE OF THE GREEN RIVER AND VIRGIN RIVER
DRAINAGES.STATEMENT OF WATER
USER'S CLAIM

CODE NO. SERIAL NO.

61 121

MAP NO.

BRCA W 25 36 4 AF 2

NOTE: This blank is sent to you in accordance with Utah Law. The information called for herein will be used in connection with the adjudication of water rights on the above mentioned drainage area. All questions applicable to your claim must be answered fully, and one copy of this form must be filed with the Clerk of the District Court at

....., Utah, within sixty (60) days from date of service of the attached Notice. A copy shall be filed with the State Engineer, State Capitol, Salt Lake City. Failure to file the attached Statement of the Water User's Claim with the Clerk of the District Court within the time stated will forever bar and estop you from asserting any right to the use of water from said drainage area.

1. Name of Claimant United States of America, National Park Service
Bryce Canyon National Park Interest Claimed
2. Address Bryce Canyon, Utah 84717
3. Name of particular spring, spring area, stream, well, tunnel or drain from which water is diverted is
Well No. 1, Headquarters 6-23 in Garfield County.
4. Priority date claimed February 9, 1951 Date when water was first used February 9, 1951
Date when work on diverting system was first begun Date when diverting system was completed
Nature of work
5. Class of Right (Indicate by X):
(a).....Right to surface water initiated by beneficial use before 1903 Claim No.
(b).....Right to underground water initiated before 1933 Claim No.
(c).....Right decreed by court, cite title of case
(d) ☒ Application filed, State Engineer's Office No. 21253 Cert. of App. No. 4579
(e).....Right acquired by adverse use prior to 1939
6. Nature (Indicate by X), Amount, and Annual Period of Use (by month & day):
(a).....Irrigation Sec. Ft. from to (both dates incl.)
(b).....Stockwatering Sec. Ft. from to (both dates incl.)
(c).....Domestic Sec. Ft. from to (both dates incl.)
(d) ☒ Municipal Sec. Ft. 0.003 from January 1 to December 31 (both dates incl.)
(e)..... Sec. Ft. from to (both dates incl.)
7. Direct Flow Appropriation (must be described with reference to U. S. Government Survey Corner)
(a) Point of diversion from spring, spring area, stream, well, tunnel, drain
Sec. 23, T36S, R4W, S16M
(b) Description of spring area
(c) Point of redirection or point of return to natural channel
(d) If flow is intermittently diverted, list by number or description, all rights involved
8. Where water is used for irrigation purposes:
(a) Area irrigated in legal subdivisions of land by 40-acre tract. (All sources of water for same land or lands must be described in each instance by name or claim number)
.....
.....
.....
(b) Do you get water under a ditch owned by several users.....NO..... If so, give names of all users and divisions of interest
9. Where water is used for Stockwatering:
(a) Number of each kind of stock watered
(b) All sources of water for same stock. (Describe by name or claim number)
10. Where water is used for Domestic:
(a) Number of families or their equivalent All sources of water for same use.
(Describe by name or claim number)

FACE SHEET FOR COMPLETION REPORT																																																		
Park Bryce Canyon National Park		Region Southwest		Fund Symbol 14X1035																																														
Location in Park Headquarters		State(s) Utah		Year Programmed 1959 F. Y.																																														
		County or Counties Garfield		PCP No. U-12-7 Master Plan No. NP-BC 3113-B																																														
☒ Contract and/or ☒ Day Labor				Master Plan Corrected By WDOC Div. Engineer As Built Drawings By WDOC Div. Engineer																																														
Work Order Title Water Storage and Distribution System, Fire Hydrants				Date Started July 22, 1958 Date Completed May 16, 1962																																														
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)				TOTAL COSTS (For completion by FFO)																																														
8 Utilities 1. Water System 1) Diversion System including Reservoir a. Dig Well, Perry Bro., Ctr. 14-10-333-505 58,332.00 B. Install Pump, Sullivan, Ctr. 14-10-0333-790 10,351.00 c. Grade Resv. Site, Park Day Labor 9,205.00 d. Resv., U.S. Steel, Ctr. 14-10-0333-388 36,822.00 (Facilitating Services) 368.00 e. Test Reservoir, Park Day Labor 196.00 f. Repaint Resv., Wiscombe, Ctr. 14-10-0333-669 4,400.00				162,663.47																																														
2) Distribution System including Fire Hyd., Valves, Etc. a. Distrib. Lines & Fire Hose, Park Day Labor 4,117.37 b. Distribution Lines, Stratton Bros., Contract 14-10-333-367, Portion, 2933 l.f. 6" W, 25 l.f. 2" W, 476 l.f. 1" W 15,101.70 (Facilitating Services) 150.34																																																		
8 Utilities 2. Sewer system a. Septic tank and leach field, Portion, Stratton Bros. Ctr. 14-10-333-367 1,077.00 (Facilitating Services) 10.47 b. Collection lines and manholes, Portion, Stratton Bros. Ctr. 14-10-333-367 2,648.71 (Facilitating Services) 53.89				12,459.07																																														
TOTAL				\$ 151,501.27																																														
TOTAL				\$ 175,122.54																																														
<table border="1"> <thead> <tr> <th>DISTRIBUTION</th> <th>To</th> <th>Submitted</th> <th>Title:</th> <th>Date:</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>WASO, D&C</td> <td>By: [Signature]</td> <td>Maintenance Supervisor</td> <td>3/18/62</td> </tr> <tr> <td>1</td> <td>WDOC</td> <td>Approved</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>SW Region</td> <td>By: [Signature]</td> <td>Acting Superintendent</td> <td>3/18/65</td> </tr> <tr> <td>1</td> <td>SWEFO</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>BRCA</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">COSTS VERIFIED</td> <td colspan="2">Title:</td> <td>Date:</td> </tr> <tr> <td colspan="2">BY: [Signature]</td> <td colspan="2">James W. Mardis</td> <td>4/19/65</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Supervisory Accountant</td> <td></td> </tr> </tbody> </table>						DISTRIBUTION	To	Submitted	Title:	Date:	1	WASO, D&C	By: [Signature]	Maintenance Supervisor	3/18/62	1	WDOC	Approved			1	SW Region	By: [Signature]	Acting Superintendent	3/18/65	1	SWEFO				1	BRCA				COSTS VERIFIED		Title:		Date:	BY: [Signature]		James W. Mardis		4/19/65			Supervisory Accountant		
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NARRATIVE STATEMENT

Work Order 332.3 (15th Rev.) - Water Storage and
Distribution System, Fire Hydrants, U-12-17,
Headquarters, Bryce Canyon National Park

The construction covered by this Work Order encompassed five contracts and several Park day labor projects. Each contract and day labor project will be narrated separately for that scope of project work.

The overall project is incomplete and not a workable usable facility. The water of the well is not potable without treatment or dilution to lower the basic analysis. The well is not connected to the reservoir or distribution system. A decision must be made on treatment of the well water for use, dilution of the well water from another source for use or securing another adequate source of potable water to supply the park needs. The storage and distribution system constructed is complete and usable. This system is in use. The water for park use is purchased from the concessioner, Utah Parks Company. This source is dependent on the U. P. Company pumping capacity from their source and is not reliable. The source is adequate for U. P. Company and park needs but U. P. Company management of the resource in pumping, distribution and storage wastes water and creates unwarranted shortages.

Contract No. 14-10-333-367, Construction of a Sewage System, Expansion of Water and Sewage System at Utility Area and Residential Area, Headquarters, Bryce Canyon National Park

Bids on this project were opened in the Southwest Region Office, June 19, 1958 at 2:00 P.M. Six bids were received and award was made to the low bidder. The successful bidder was:

Stratton Brothers
P. O. Box 234
Hurricane, Utah

Their bid was for \$25,506.20, the Engineer's estimate for the work was \$31,328.00. After the award and execution of the Contract the notice to proceed was issued and August 13, 1958 was recorded as the first day of the 120 calendar days allowed for completion of the work, which terminated December 10, 1958. All work included in the Contract was complete October 27, 1958, well ahead of the contract time. Final acceptance was made October 27, 1958 and no liquidated damages are applicable to the contract for delay as the work was complete before the expiration date established in the contract.

The major items of work were 2,833 lineal feet of class 150, 6" Asbestos Cement water pipe with six 4" fire hydrants and 1" and 2" lateral copper water line to building sites for future connections, 2,468 lineal feet

of 6" vitrified and 395 lineal feet of 6" cast iron sewer pipe, ten concrete manholes and a 1,000 gallon septic tank and leach field. The septic tank serves the maintenance area utility building, the residential sewage connects to the park disposal system.

The construction layout and supervision was handled by the Western Office, Division of Design and Construction. The contract administration was handled by Bryce Canyon National Park and Southwest Region Office. Plans and Specifications and bid documents were prepared in the WODC Office. The drawing number BC-NP-3127 is assigned the drawings made a part of the contract for this work.

Two Change Orders were issued during construction. No. 1 increased and decreased contract quantities to correspond to the field layout and No. 2 was for addition of some minor item omitted but required to complete the project.

No unusual or extraordinary conditions were encountered during construction. The completed contract provided a complete workable usable facility for the scope of the contract work. Attached is a copy of the final pay estimate with contract quantities.

Day Labor Portion: Fire hose houses in the new residential area were equipped with 150' of 1½" fire hose and the necessary adapters for use on the fire hydrants. The fire truck was also equipped with 600' of additional 1½" hose and the necessary adapters for use in the residential area.

Contract No. 14-10-0333-388, Construction of a 1,000,000 gallon steel Water Tank, Headquarters, Bryce Canyon National Park

Bids on this project were opened in the Southwest Region Office, June 30, 1958 at 2:00 P.M. Nine bids were received and award was made to the low bidder. The successful bidder was:

U. S. Steel Corporation
Consolidated Western Division
P. O. Box 790
Phoenix, Arizona

Their bid was for \$36,822.00, the Engineer's estimate for the work was \$55,000.00. After the award and execution of the contract the notice to proceed was issued and July 23, 1958 recorded as the first day of the ninety day contract time which expired on October 20, 1958. The contract work was completed, final inspection and acceptance made on October 20, 1958, the last day of contract time. No liquidated damages are applicable to the contract.

The construction layout and supervision was handled by the Western Office, Division of Design and Construction. The contract administration was

... Bryce Canyon National Park and the Southwest Regional
Plans, Drawing No. NP-BC-3128, and Specifications and Bid
Documents were prepared by WODC.

No unusual conditions were encountered during construction. The completed project provides a complete usable facility for the storage of water. The final contract amount for the 1,000,000 gallon steel water storage reservoir was identical with the amount bid: \$36,822.00 for the one and only bid item.

Day Labor Portion: The preparation of the site for the 1,000,000 gallon steel water tank and the installation of the tank base and retaining ring was accomplished by park day labor. The project consisted of the excavation and removal of over 2,000 yards of rocky material to obtain an area of sufficient size to accommodate the tank. A steel retaining ring was then assembled on the site to support the tank base which consisted of 10 $\frac{1}{2}$ " of compacted base material and 1 $\frac{1}{2}$ " of compacted asphalt.

It was also necessary to re-route the concessioners water supply line which previously ran through the construction site. This included the removal of the old line and the trenching and installation of 417' of new 6" C.I. pipe with one large manhole and control valves.

After construction of the 1,000,000 gallon tank was completed the distribution line from the new tank to the existing 8" distribution line was installed by park day labor. This consisted of trenching and installing 77' of 8" C. A. pipe and 80' of 6" C. I. pipe with manholes and control valves.

The extension of the drain and overflow lines from the tank was also accomplished at this time.

Testing of the tank for leaks was accomplished by pumping it full of water and thoroughly checking all welded joints, manhole seals, etc.

Contract No. 14-10-333-505, For Drilling a Water Well, Headquarters, Bryce Canyon National Park, Utah

Bids on this project were opened in the Southwest Regional Office on June 24, 1959 at 2:00 P.M. Four bids were received and award was made to the successful low bidder:

Perry Brothers Drilling Company
2033 North Navajo Drive
Flagstaff, Arizona

Their bid was for \$54,250.00 on the items awarded. The Engineer's estimate for the same items was \$41,250.00. After the award and execution of the contract the notice to proceed was issued. The

first day of contract work was recorded as July 22, 1959 and the termination of the ninety calendar days allowed was set as October 19, 1959. The work was completed and accepted September 20, 1960, which was still within the allowed contract time which had been extended by Change Orders, Stop Orders and Finding of Fact:

- Finding of Fact No. 1, 75 day extension, October 19, 1959 to January 2, 1960
- Change Order No. 1, 40 day extension, January 2, 1960 to February 11, 1960
- Stop Order No. 1, December 23, 1959
- Resume Order, March 11, 1960, 78 day extension, February 11, 1960 to April 29, 1960
- Change Order No. 2, 40 day extension, April 29, 1960 to June 8, 1960
- Change Order No. 3, 40 day extension, June 8, 1960 to July 18, 1960
- Change Order No. 4, 30 day extension, July 18, 1960 to August 17, 1960
- Stop Order No. 2, March 22, 1960
- Resume Order, April 24, 1960, 34 day extension, August 17, 1960 to September 20, 1960

No liquidated damages are applicable as all work was completed and accepted within the contract time as extended.

The construction supervision was handled by the Western Office, Division of Design and Construction. The contract administration was handled by the Southwest Region and Bryce Canyon National Park office. Specifications and bid documents were prepared by WOOD.

Four Change Orders were executed to the contract each resulting in an increase in cost and extension of contract time:

- Change Order No. 1, changed 12" casing to 14" and allowed 40 days extension in time for procurement
- Change Order No. 2, provided for 10" casing in place and rental of casing and allowed 40 days extension in time for procurement
- Change Order No. 3, provided for a Gamma Ray and Neutron Log of the well and allowed 40 days extension for the extra work
- Change Order No. 4 required for removal of 726 feet of 19" casing and allowed 30 days extension for the extra work

Unusual and extraordinary conditions were encountered during drilling. Excessive caving and slumping of the bore required changes in casing and impeded progress as drilling tools were buried in cave-ins. The finished well, 2000 feet deep, was a tough project and the results not very satisfactory. The supply of water is generous but the quality of water is not usable for domestic purposes in the park.

The attached final payment estimate shows the work completed and items not executed. The final contract price was \$59,332.00 as compared to the bid of \$54,250.00.

Contract No. 14-1-0333-669, For Interior Painting of the 1,000,000 Gallon Steel Water Reservoir, Headquarters, Bryce Canyon National Park, Utah

Bids for this project were opened at the Southwest Regional Office on September 1, 1960 at 2:00 P.M. Nine bids were received and the award was made to the low bidder:

Wiscombe Painting Company
1610 Chicago Street
Salt Lake City, Utah

Their bid was for \$4,400.00 and the Engineer's estimate for the work was \$6,000.00. After the award and execution of the contract the notice to proceed was issued. The date of October 11, 1960 was recorded as the first day of the 30 day contract time which expired on November 9, 1960. The contract work was completed and accepted on October 24, 1960. No liquidated damages are applicable as all work was completed before the expiration date.

Specifications and bid documents were prepared by ASB who supervised the work. The Southwest Regional Office and Bryce Canyon National Park office assisted with the contract administration.

There were no change orders for the project and no unusual conditions were encountered. The final and only payment for the contract was for \$4,400.00 as bid.

Contract No. 14-10-0333-790, Installation of Pump in Water Well, Headquarters, Bryce Canyon National Park, Utah

Bids for this project were opened at the Southwest Regional Office, on July 5, 1961. One bid only was received from:

Sullivan Plumbing and Heating Company
Hurricane, Utah

This bid was in the amount of \$10,847.50, the Engineer's estimate was \$13,430.00. The contract was awarded to the Sullivan Plumbing and Heating Company. After the award and execution of the contract the notice to proceed was issued, the first recorded day of the contract was August 4, 1961 and 60 days of contract time expired October 2, 1961. The contractor made a claim for delay occasioned by time consumed in securing approval of the pump to be used. This was settled by Finding of Fact No. 1 which authorized 35 day extension of time to November 6, 1961.

The contract work was suspended by a Stop Work Order from November 1, 1961 until a Resume Work Order May 14, 1962. This changed the completion date until May 18, 1962. Final inspection, testing and acceptance

was made on May 16, 1962. No liquidated damages are applicable as all contract work was completed, and accepted during the contract time.

Specifications and bid documents were prepared by WODC which supervised the contract work. The Wouthwest Regional Office and Bryce Canyon National Park office assisted with the contract administration.

There were no change orders required and no unusual conditions were encountered during execution of the work. The final contract payment totaled \$10,851.00. The \$3.50 overrun was for one added foot of extra strong steel discharge column pipe. The final estimate is attached for reference of quantities of work completed and installed.

Office of
Chief, Western Office
of Design and Const.

NOV 23 1955 A.M.

Architect

Engineer

Landscaps Arch.

Engineer

Memorandum

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Well Deepening, Application 3461, Part II, Docket 2, Bryce Canyon

With copies of this memorandum to the Superintendent, in duplicate, and Western Office of Design and Construction, we are distributing copies of attached well driller's report. This should be filed at the top of the contents of Part II of Docket 2.

We have now filed Application 3461 for permission to deepen the well, but have not obtained any permit unless it was sent to the Park. We also have the attached report of completion of the well, which indicates that the original well yield had fallen to 300 gallons per day after the pump tests of 1950, and that deepening has increased the yield to 1,200 gallons per day. The proof, and Certificate 4979 which was granted on original Application 21353, indicate a short pumping rate of 20 to 25 gpm and grant a diversion of 0.003 sec.ft. Pumping at the rate of 0.003 sec.ft. for 1 hour and 40 minutes the well was reported to yield 2000 gallons per day, or 62% more than the well driller's report suggests, which had accumulated during the 24 hours from the end of the previous pumping until the end of the last pumping.

We might lose part of our right to 2000 gpd or 0.003 sec.ft. on the basis of the well driller's report unless we are ready to support claims that the decreased well yield was due to drought. We can also strengthen our rights if we can prove that more than 1,200 gallons can be pumped during some season of the year when the water is needed. For these reasons, the Superintendent should keep records of the length of daily pump runs, and change in water level in the 5000 gal. reservoir during the seasons of maximum use of well water, and supply us with copies of those records.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: Superintendent, Bryce Canyon (2), with copies of attachments
Western Office of Design and Construction, with copy of attachment

154-L

Zion + Bryce

(Signature or flow sheet will still be valid under emergency)

Report of well or tunnel driller is hereby made and filed with the State Engineer, in compliance with Sec. 100-3-22, Utah Code Annotated, 1943. (This report shall be filed with the State Engineer within 30 days after the completion or abandonment of well or tunnel. Failure to file such report constitutes a misdemeanor.)

1. Name and address of person, partnership, corporation, or firm making well and making
(Write the words and number)
B. L. Halterman, Panguitch, Utah.
2. Name and address of owner of well and making United States National Park Service,
(Write the words and number)
at Bryce Canyon, Utah.
3. Source of supply is in Garfield County;
(Leave blank) drainage area; (Leave blank) artesian basin
4. The number of approved application to appropriate water is 21353 - Certificate No. 4979.
5. Location of well or mouth of tunnel is situated at a point
S 32° 23' E 6037' off from W 1/4 Cor Sec 25, T 36 S, R 4 W, S 1 B 1 M.
- (Describe by rectangular co-ordinates or by one corner and distance with reference to U. S. Government Survey
Corner - Give description from well owner's approved application)
6. Date on which work on well or tunnel was begun July 20, 1955.
(Write the words and number)
7. Date on which work on well or tunnel was completed or abandoned July 28, 1955.
(Write the words and number)
8. Maximum quantity of water measured as flowing, measured or on completion of
(Write the words and number)
well or tunnel in sec. ft. ; or in gals. per minute Date

8. WELL: It is drilled, dug, flowing or pump well. Temperature of water°F.
(Strike words not needed)

(a) Total depth of well is ft. below ground surface.

(b) If flowing well, give water pressure (hydrostatic head) above ground surface ft.

(c) If pump well, give depth from ground surface to water surface before pumping
.....; during pumping.....

(d) Size and kind of casing. We casing just run hole down from 30 feet to 50 feet
with 12" bit and from 50' to 80' with 8" bit. (Strike words not needed)

(e) Depth to water-bearing stratum
(If more than one stratum, give depth to each)

(f) If casing is perforated, give depth from ground surface to perforations.
.....
.....
.....
.....

(g) Log of well
.....
.....
.....
.....
.....
.....
.....
.....
.....

(h) Well was equipped with esp. valve, or to control flow.
(Strike words not needed)

(Over)

This well belongs to the National Park Service who already had an open hole dug down 30 feet. I was employed to and did run a 12" bit from the bottom of the 30' hole a distance of 20 feet and an 8" bit on down from 50 feet to 80 feet. I encountered some water in crevices between 40' and 50'. The water did stand at 24 feet at first before I did the drilling and after the drilling it now stands 36 feet. The water that could be pumped out before drilling was about 300 gallons in 24 hours. After the drilling by me they can now get approximately 900 gallons in 24 hours, plus the 300 gallons they were getting before.

STATE OF UTAH
COUNTY OF Iron

I, R. L. Hatterman

do hereby certify that I am the father of the above said child and that the child was born to me and my wife on the 1st day of August, 1955, at the town of Hatch, in the County of Iron, State of Utah.

R. L. Hatterman

Subscribed and sworn to before me this 2nd day of September, 1955.

Notary Public for the State of Utah

OCT 4 1955
STATE OF UTAH

October 3, 1955

Memorandum

To: Superintendent, Zion and Bryce Canyon
From: Chief, Water Resources Section
Subject: Application 3461 for Deepening of Headquarters Well,
License 4979, Docket 2, Bryce Canyon

The attached copy of letter of September 22 from the State Engineer introduces two questions. First, where is the well driller's report which is required by Section 73-3-22 of the Utah Code Annotated of 1953? Second, how did the State Engineer obtain information that the well was to be deepened, and from which to assign Application 3461. These matters better be clarified before we communicate with the State Engineer again.

The well driller may have applied for authority to drill, and that state permit may have been deferred until the land owner filed Federal Application 3461, which was only completed and mailed on September 13. It is also probable that the well driller, Mr. Halterman, has deferred filing of his report until he obtained authority to drill. Since the driller's report is supposed to be filed within 30 days after the well is complete, he will probably comply with that regulation as soon as advised by the State Engineer that Application 3461 has been received.

Please determine whether Mr. Halterman has filed, or proposes to file said report. Also supply such answer as you can to the second question.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: Regional Director, Region Three, with copy of State Engineer's letter
Western Office of Design and Construction, with copy of State
Engineer's letter

In reply refer to
154-L

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

In reply refer to:
L54-L

September 14, 1955

Mr. Joseph M. Tracy
State Engineer
Salt Lake City, Utah

Re: Application 3461 to Deepen
Headquarters Well, Application
21353, Certificate 4979, Bryce
Canyon National Park

Dear Mr. Tracy:

Enclosed is Application to Repair, Clean, Deepen or Replace an Existing Well, originally dug under Application 21353, which you partially prepared, assigned No. 3461, and sent to the Superintendent of Zion and Bryce Canyon National Parks for completion, which has now been extended and signed on behalf of the United States.

Also enclosed are a Purchase Order for a copy of the report of the well driller, Mr. R. L. Halterman, of Parowan, and a voucher to be signed and returned for payment.

Very truly yours,



A. van V. Dunn
Chief, Water Resources Section

Enclosures 3

Copy to: Superintendent, Zion (2) with copy of attachment, detached
Regional Director, Region Three, with copy of attachment, detached
Western Office of Design and Construction, with copy of attachment,
detached

THE STATE OF TEXAS
COUNTY OF ST. LOUIS

No. 9461

APPLICATION TO ~~RENEW/REVOKE~~. DEVEN, ~~BOOKEND~~ AN EXISTING VAIL

CLARK, S.

RE: AFI. NO. 21353

Washington, D. C., September 13, 1955

Application is hereby made to the State Engineer to ~~repeatably~~, ~~repeatably~~
~~repeatably~~ an existing well, based upon the following showing of facts:

1. Name of applicant is United States of America, National Park Service
2. Post-office address of applicant is Washington 25, D. C.
3. Number of ~~Copies~~ application filed with the State Engineer covering
the well which applicant proposes to ~~deepen or replace~~, deepen, or replace is ~~One~~
~~Application No. 21359~~.
(Strike words not needed)
4. The existing well ~~has been found to be defective because of the~~
~~condition of the casing, requires cleaning, or deepening, or both; because of phase~~
~~and the casing will be replaced by new pipes; the location will be changed feet~~
~~southward and increased in foot construction from the existing well~~
(Strike words not needed)
5. The name of well driller who applicant proposes to do the work is:

6. Applicant hereby agrees, in case this application is approved, to abide by the rules and regulations promulgated by the State Engineer, set out on the reverse side hereof, for the repairing, cleaning, deepening, or replacing of existing wells. Applicant further agrees to and hereby authorizes the State Engineer to endorse his original claim or application to show any replacement resulting from this application.

7. Remarks: The well requires deepening . Contract calls for
drilling to additional depth of 30 feet and installation of 12 inch casing
in bottom of existing dug well. Hole to be plugged if additional water is
not obtained. D

Signature of Applicant
Acting Assistant Director
National Park Service

STATE ENGINEER'S LICENSE
(Not to be filled in by applicant)

1. _____ Application received over counter in State Engineer's office by _____
by mail
2. _____ Application examined by _____ . Recommendations: _____
3. _____ Field examination by _____ . Recommendations: _____
4. _____ Application approved subject to following conditions: See letter.
rejected
dated July 22, 1955, attached to file.

JOSEPH M. TRACY, State Engineer.

By FRANCIS T. MAYO, Asst. State Engineer

RULES AND REGULATIONSFOR REPAIRING, CLEANING, DEEPENING, OR REPLACING EXISTING WELLS

A well driller with a permit is authorized to repair, clean, deepen, or replace an existing well on which there is an underground water claim or an approved application to appropriate, only, however, when the owner thereof has received written approval of the State Engineer to do such work. (Underground water claims are made for wells drilled prior to March 22, 1935, and applications for wells drilled subsequent to that date.)

REPAIRING:

Repairing a well means the renewal or reconstruction of the existing casing or the installation of new casing within or without the existing casing, or the repairing or replacing of pumping equipment, where such is done for the purpose of recovering or controlling the normal flow or discharge of the well.

CLEANING:

Cleaning a well means the act of removing rust, algae, sand, gravel, or any other obstruction whatsoever from the inside of an existing well, or from the casing thereof, for the purpose of recovering the normal discharge or flow. If, by reason of such cleaning, the flow or discharge is increased in excess of the existing right attached to said well, an application to appropriate the excess water will be required from the well owner. (Sec. 73-3-1, Utah Code Annotated, 1953.)

DEEPENING:

Deepening a well means the act of digging, drilling, or casing an existing well to an increased depth for the purpose of again securing the normal supply of water. If, as a result of such work, whether from structural alterations or otherwise, the discharge or flow of the well is increased to a rate in excess of the existing right attached to said well, an application to appropriate will be required to cover the excess above normal. (Sec. 73-3-1, Utah Code Annotated, 1953.)

REPLACING:

An existing well may be replaced with a replacement well within a radius of 150 feet from the existing well without the filing of a change application under Sec. 73-3-3, upon approval first having been obtained from the state engineer.

Such request for permission to drill a replacement well shall be filed with the state engineer upon a blank to be furnished by the state engineer.***
****. No filing fee shall be required for the filing of such a request for permission to drill a replacement well and the state engineer need give only such notice as, in his judgment, is necessary to protect existing rights and in the event the state engineer shall determine that it is necessary to publish notice the advertising fee shall be paid in advance by the applicant.

The term "replacement well" as used herein means a new well drilled for the sole purpose of replacing an existing well which is impaired or made useless by structural difficulties and no new right in the use of water accrues. Upon completion of the new well the old well must be sealed by the applicant in a manner satisfactory to the state engineer. (Sec. 73-3-28, Utah Code Annotated, 1953.)

SEALING:

Permanently sealing a well for the use of these Rules and Regulations means the act of completely filling in said well from the bottom to the top in such a manner and with such materials necessary to prevent the flow of water from within or from without the well casing.

In reply refer to:

154

3

Zion and Bryce Canyon National Parks
Springdale, Utah

August 5, 1955

Memorandum

To: Regional Director, Region Three
From: Acting Superintendent, Zion and Bryce Canyon
Subject: Deepening Headquarters Well, Application 21353,
Certificate 1079, Docket 2, Bryce Canyon

The subject well has failed during the past two years to produce the 2,000 gallons per day, authorized by certificate 21353. Production has been only 650 gallons per day. Utah Parks Company brought in a licensed well driller to drill wells on their East Creek property to alleviate their water shortage. While at the park, the driller, R. L. Haltermen, Parowan, Utah offered to drill our well 30 feet deeper and case with 12 inch casing; fill and plug the bore if additional water was not developed. He was authorized by Purchase Order No. 45-70, copy attached, to proceed if he could obtain necessary authorization from the State Engineer. Contract was on a job basis in the sum of \$300. The bore was made in the bottom of the existing well. It has been drilled and cased but results are indeterminate at present writing.

We will request the driller to furnish us with a copy of his report. It is believed that all other requirements mentioned by Mr. Dunn have been met. Perhaps we should instruct the driller to fill and plug the hole.

CHESTER A. THOMAS

Chester A. Thomas
Acting Superintendent

cc: Director, AIR MAIL ✓

In reply refer to
L54-L

Office of Western Office Div. of Design and Const.
AUG 9 1955 A.M.
Supv. Architect
Supv. Engineer
Supv. Landscape Arch.
Safety Engineer

AIR MAIL

August 1, 1955

Memorandum

To: Regional Director, Region Three
From: Chief, Water Resources Section
Subject: Proposed Deepening, Headquarters Well, Application 21353,
Certificate 4979, Docket 2, Bryce Canyon

The attached copy of letter of July 22 from the State Engineer is the first indication we have had that the subject well is to be deepened by drilling, and that some information has been supplied to the State Engineer.

The first step should have been an application filed by this office, which still seems to be required and for which we have no data. It is also essential that the contract for drilling conform with the standard specification for deep wells, prepared jointly by the U. S. Geological Survey and the American Water Works Association, and published by the latter in 1945 and reprinted in 1946. You have been supplied with the publication.

The main requirements are that there must be a log and pump test of the well, and that there must be casing and sealing, as needed to prevent water from one aquifer from seeping away in another. A licensed well driller of Utah is presumably aware of the requirements, and required to comply under State groundwater laws; but we also require that the well driller supply this Service with a copy of his report, and that must be specified in the contract.

We have not yet received the form said to have been enclosed with attached letter, but we are going to have to work fast because of the irregular procedure. Accordingly, please supply us with complete description of proposed work, copy of past correspondence with State Engineer, and the contract with proposed driller. Also confirm that you propose to drill within the existing well, and not to one side. In the latter case, the plan would be to drill a replacement well and not to deepen, and it would be necessary to give new tie to section corner.

SIGNED
A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: Superintendent, Bryce Canyon, with attachment - AIR MAIL
Western Office of Design and Construction, with attachment - AIR MAIL

C
O
P
Y

THE STATE OF UTAH
Office of State Engineer
Salt Lake City
July 22, 1955

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

Attention: A. van V. Dunn, Chief, Water Resources Section

Gentlemen: RE: APPLICATION NO. 21353

Enclosed is a form, entitled "Application to Repair, Clean, Deepen or Replace an Existing Well", which has been partially prepared and numbered 3461. This application should be signed on the line indicated and returned to this office.

The well proposed to be deepened is covered by Application 21353, located at a point S. 32°31' E, 6037.0 ft. from W $\frac{1}{4}$ Cor. Sec. 25, T36S, R4W, SLB&M.

Your request is granted with the understanding as set forth under rules and regulations listed on the reverse side of your application, that deepening a well means the act of digging, drilling, or casing an existing well to an increased depth for the purpose of again securing the normal supply of water. In this well you must use new standard casing, or its equivalent. This well must be so constructed and finished that it may be readily controlled at all times, and prevent waste of underground water when it is not being used beneficially.

The driller must be bonded and have a Permit for the current year, issued by the State Engineer. Before commencing, he must give this office notice as to the day he will begin, and under the terms of his license, within 30 days after completion of the work, must file a well driller's report. This report must explain in detail the work done, and become part of the files in this office pertaining to Application No. 21353.

This is the licensed driller's authority to begin deepening your well under the conditions and provisions set forth herein.

Yours truly,

/s/ JOSEPH M. TRACY

Joseph M. Tracy,
STATE ENGINEER

FTM/mv

cc: Mr. Kennedy, Ranger
National Park Service
Bryce Canyon National Park, Utah
Enc: Application to Deepen.
cc: R. L. Halterman, Well Driller
Parowan, Utah

in reply refer to file of L54-L	Office of Chief, Western Office Div. of Design and Const.
	APR 13 1955 A.M.
	Supr. Architect
	Supr. Engineer
	Supr. Landscape Arch.
	Safety Engineer

April 8, 1955

Memorandum

To: Superintendent, Zion National Park
From: Chief, Water Resources Section
Subject: Headquarters Well, Water Right Application 21353, Docket 2,
Bryce Canyon

Attached are the original and a photostat copy of Certificate 4979, which has been issued on the subject water right application and permit 21353, and copy of the letter of transmittal from the State Engineer, which were received on April 4. Copies are also being sent to the Regional Director, Region Three, and the Western Office of Design and Construction, with copies of this memorandum.

You will note from the State Engineer's letter that the original certificate must be recorded in the Office of the County Recorder, Garfield County, within 30 days from April 4, the date of receipt. The recording data should then be entered on the photostat copy of the certificate, and the original should be filed in the Bryce Canyon assembly of Docket 2, and photostat copy should be filed in Docket at Zion.

Also please supply the Regional Director, Western Office of Design and Construction, and this office with copies of the recording data so that it can be entered on the copies to be placed in our docket assemblies.

Also, please refer to my memorandum of March 9, sent through Region Three, requesting information on the Yovimpa Springs water system, Application 20278, to permit action which is to be completed by May 12, either in the form of application for further extension of time, or as a proof that adequate pump has been installed.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachments 2

Copy to: Regional Director, Region Three, with copy of attachment

~~Western Office of Design and Construction, with copy of attachment~~

In reply refer to:
L54-L

April 6, 1955

Memorandum

To: Regional Director, Region Three
From: Chief, Water Resources Section
Subject: Water Right Proof, Headquarters Well, Permit 21353,
Docket 2 Bryce Canyon

Office of Chief, Western Office Div. of Design and Const.
APR 11 1955 A.M.
Supv. Architect
Supv. Engineer
Supv. Landscape Arch.
Safety Engineer

On March 28, Mr. Lassiter forwarded a memorandum of March 22 from Mr. Franke which gave the length, diameter, and a computed capacity of 725 gallons for the truck tank now being used at Bryce Canyon. Assuming that inside dimensions were given, the capacity might be stretched to 735 gallons, but it is more probable that Mr. Franke gave outside dimensions and the capacity is only between 600 and 630 gallons.

In any case, the previous correspondence indicates that a 1,000 gallon tank was previously used, and the proof has been submitted with computed rate of filling of a 1,000 gallon tank. In order to prevent a difficult explanation of any previous errors, we better assume that a truck with a 1,000 gallon tank was used when water was hauled. Such tanks would have an inside diameter of 5 feet and length of 5'-9.6", or diameter of 5'4" and length of 6 feet. Please advise if such a truck tank was available at the time of well digging, or has been in use at Zion or Bryce.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

In duplicate

Copy to: Western Office of Design and Construction

Form 28 2M 6-5-54

THE STATE OF UTAH
OFFICE OF STATE ENGINEER

SALT LAKE CITY

March 29, 1955

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

CERTIFICATE ISSUED

Gentlemen:

APPLICATION NO. 21353

Enclosed is Certificate No. 4979 issued by the State Engineer as the final step in completing the appropriation relating to Application No. 21353.

Under the law this Certificate must be recorded in the office of the County Recorder in the County where the water is diverted, within 30 days from the receipt hereof. You should attend to this matter at once.

ADDRESS ALL COMMUNICATIONS TO:

EEV/le
Encl: Certificate

Yours very truly,

Joseph M. Tracy
Joseph M. Tracy
STATE ENGINEER
STATE CAPITOL
SALT LAKE CITY 1, UTAH

BRCA

RECEIVED WITH MEMO OF *4/8/55*

FORM C-1 5000

ORIGINAL

CERTIFICATE OF APPROPRIATION OF WATER

STATE OF UTAH

BOOK 71 PAGE 333APPLICATION NO. 21353CERTIFICATE NO. 4979NAME AND ADDRESS OF APPROPRIATOR UNITED STATES OF AMERICA, NATIONAL PARK SERVICE, WASHINGTON, 25, D.C.SOURCE OF SUPPLY UNDERGROUND WATER IN GARFIELD COUNTY, UTAH; SEVIER RIVER DRAINAGE AREAQUANTITY OF WATER THREE/ONE THOUSANDTHS (0.003) SECOND-FOOT PRIORITY OF RIGHT FEBRUARY 9, 1951PERIOD AND NATURE OF USE FROM JANUARY 1 TO DECEMBER 31 INCLUSIVE OF EACH YEAR FOR MUNICIPAL PURPOSES

Whereas, It has been made to appear to the satisfaction of the undersigned that the appropriation of water has been perfected in accordance with the Laws of Utah, Therefore, Be it known that I, JOSEPH M. TRACY the duly appointed, qualified and acting State Engineer, by authority of the Laws of Utah, do hereby certify that said appropriator is entitled to the use of water as herein set out, subject to prior rights, if any, for diversion and use as follows, to wit:

The water appropriated is yielded by a pump well, dug to a depth of 30 ft. below ground surface, situated S32°31'E 6037.0 ft. from W 1/4 Cor. Sec. 25 T36S R4W S1B4M. The water is diverted by means of an electrically-driven centrifugal pump located below the natural ground surface within the rubble, masonry-lined dug well, having an average inside diameter of 6.3 ft. with the total depth of 30 ft. From the pump, the water is conveyed vertically 10.0 ft, thence S69°05'E 531 ft. through 2-in. diameter pipe into a circular, wood storage tank having inside diameter of 11.5 ft, depth of 8 ft, and capacity of 5000 gallons. From the tank, the water is released and conveyed northeasterly through 30.0 ft. of 2-in. diameter pipe to the distribution system, from which it is, during the period from September 15 of one year to June 15 inclusive of each year following, intermittently used, as a sole supply, for municipal purposes in serving 25 persons consisting of Park personnel, and, as a supplemental supply, from June 14 to September 14 inclusive of each year, for municipal purposes in serving the Park personnel and general public within the boundaries of Bryce Canyon National Park.

The works employed in this appropriation are to be operated and maintained in such manner and condition as will prevent waste of water.

In Witness Whereof, I have hereunto set my hand and affixed the seal of my office this 29th day of March, 19 55

RECORDED April 16 19 55 AT 10:34
AT REQUEST OF W. D. Kennedy
Theresa H. Huch COUNTY RECORDER

Joseph M. Tracy
Joseph M. Tracy, STATE ENGINEER

In reply refer to:
L54

Zion and Bryce Canyon National Parks
Springdale, Utah

March 22, 1955

Memorandum

To: Regional Director, Region Three
From: Superintendent, Zion and Bryce Canyon
Subject: Water Right Proof, Permit 21353, Docket 2, Bryce Canyon

Description of steel water tank used in hauling by truck,
requested by Mr. Dunn's memorandum of February 25 is:

Length 8'6", diameter 45 $\frac{1}{2}$ inches, calculated capacity
725 gallons.

(SGD) PAUL R. FRANKE

Paul R. Franke
Superintendent

In triplicate



In reply refer to:
L54-L

Office of Chief, Western Office Div. of Design and Const.
MAR 4 1955 A.M.
Supv. Architect
Supv. Engineer
Supv. Landscape Arch.
Safety Engineer

February 25, 1955

Memorandum

To: Regional Director, Region Three
From: Chief, Water Resources Section
Subject: Water Right Proof, Permit 21353, Docket 2, Bryce Canyon

With copies of this memorandum we are making direct distribution of the written proof and prints of the map which should be filed in the Docket 2 folder. The copies for the Western Office of Design and Construction are in a docket folder, since none was provided before.

Several irregularities are worth noting for future reference and guidance. The State Engineer has noted return for correction on February 4, 1952, which should be 1955. The tracing was signed by Mr. Wirth and me when submitted in 1953 on the assumption that only the written proof would need correction. We have added a confirming statement for which there is no precedent because erasures would not be acceptable. Mr. Wirth signed this new statement with fountain pen ink although the rules of the State Engineer prescribe black water proof ink.

It is also significant that such detail must be given with regard to measurement of diverted water. In reviewing the correspondence, I found several reports on the measurement, all incomplete, and only one indicated as actually written by Mr. Lewis, and have computed as much of the additional data required as possible. The proof may be returned again for a description of the 1000 gallon tank. If you have the inside diameter and length of a 1000 gallon truck tank of the type used, we should be supplied with the data for possible use.

We have not made a copy of the application for WODC because all data they may need seems to be on the proof, or will be on the pending certificate.

(500) A. van V. Dunn

A. van V. Dunn
Chief, Water Resources Section

Attachments 2

Copy to: Superintendent, Zion National Park, with attachments
Western Office of Design and Construction, with attachments

Proof of Appropriation

on
Application No. 21353

Proof of Appropriation on Water for Domestic and Municipal Purposes

STATE OF UTAH
FOR BRYCE CANYON NATIONAL PARK

Do not fill out this blank until you have read carefully the pamphlet on "Rules and Regulations" and Instructions in the body and on the back hereof.

1. The name of the appropriator is United States of America
2. The post-office address of the appropriator is National Park Service, Washington 25, D.C.
3. The quantity of water appropriated is 0.003 second-feet or 12.0 acre-feet
(See paragraph 4 under "Rules and Regulations" on page 4 hereof)
4. The water is used each year from June 1 to June 30 Dec. 31 incl.,
and stored each year (if stored) from --- (Month) (Day) to --- (Month) (Day) incl.
(Month) (Day) (Month) (Day)
5. The drainage area to which the direct source of supply belongs is Sevier River
(Leave Blank)
6. The direct source of supply is Underground water
(Name of stream or other source)
which is tributary to ---, tributary to ---

*NOTE—If water is diverted from a well, an underground drain or a tunnel, 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 surface 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.

7. The point of diversion from ~~stream, spring, spring area, drain~~, well (flowing or pump), ~~tunnel~~
is in Garfield county, situated at a point*
at center of well in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36, T. 36 S., R. 4 W., S.L.B. & M., in Bryce Canyon
National Park, S. 32 $^{\circ}$ 31' E. 6037.0 ft. from W $\frac{1}{2}$ Cor. Sec. 25, T. 36 S. R. 4 W.,
S.L.B. & M.
(Strike words not needed)

*NOTE—Give the location of the point at which the water is first diverted from its source or channel with reference to a United States survey corner or mineral monument. In case of storage on the natural channel of source of supply, describe the point of intersection of stream bed with the center line of impounding dam. If a spring area, describe the point at which water is collected and diverted therefrom, and under General Remarks give a description by metes and bounds of said area.

8. The diverting and carrying works consist of Well 30 ft. deep, pump 20 gpm capacity,
31 ft. of 2" pipe to 5000-gallon redwood distribution tank, whence water delivered
to main municipal water system by 30 ft. of 2" pipe.
9. The length of the diverting channel, exclusive of laterals, is 531 feet
10. The top width of the diverting channel is (if a ditch) --- feet
11. The bottom width of the diverting channel is (if a ditch) --- feet
12. The depth of water in the diverting channel is (if a ditch) --- feet
13. The width of the diverting channel is (if a flume) --- feet
14. The depth of water in the diverting channel is (if a flume) --- feet
15. The diameter of the diverting channel is (if a pipe) 2 inches
16. The grade of the diverting channel is vert. & pump lift 92 feet per thousand-
17. The place where the water is used is municipality of Bryce Canyon National Park,
chiefly in S $\frac{1}{2}$ NE $\frac{1}{4}$ said Sec. 36.

NOTE—Give place of use by legal subdivisions of section, township, and range of United States land survey, also by name if use is in town or city. If equalizing or distributing reservoir is used, give location of point of diversion therefrom by reference to a United States survey corner or mineral monument.

18. Construction of works was commenced* Aug. 16 1948, and completed Oct. 31 1948
*Date of first work subsequent to approval of Application. (See also the note under General Remarks.)
19. Works were first used to convey water about Oct. 15, 1948 including March 1, 1950
20. Water was measured by John G. Lewis, various Dates
(Name of hydrographer)
21. Water was measured by vessel, weir, reservoir capacity, or byt ---
(Strike words not needed)

*Give sufficient data under General Remarks to enable State Engineer to check the water measurements. It is necessary that the results of a series of such measurements be given.)

RECEIVED WITH MEMO OF 7/25/56

GENERAL REMARKS

NOTE—Give detailed description of the diverting and carrying works, tracing the water from point of diversion to place of use; give length and dimensions of each type of diverting channel. If all works necessary to apply the water to use were constructed prior to the time of approval of the Application herein described, so indicate and give a history of the development work. Name other rights, if any, to which this water is supplemental; also, name other rights, if any, the owners of which use these same works as a means of diversion and conveyance. If other uses incidental to the principal use are included in this proof, give period and extent of such uses.

Water supply is pumped to frostproofed 5000-gallon reservoir which is connected to main water system of Park, or municipality. Main distribution system was constructed jointly by National Park Service and Federal concessioner, Utah Parks Company. Well is used primarily as winter supply for permanent employees and a few visitors in Park Administrative Area, when concession system is drained, and as supplemental supply at peak of tourist season. Concessioner diverts under Certificates 1397 and 1382, and others, during tourist season. Winter population served, about 25 people. Water is also used in maintenance shops. Pump capacity has been checked by filling (1) a 1000-gallon tank, and (2) a 5000-gallon reservoir. Since 1950 the well has been pumped dry, daily in 1 hour and 40 minutes, to yield 2000 gallons per day.

Eng. pencil notations: $2000 = 83.2 \text{ gal. per hr.} = 1.39 \text{ gal. per min.} = .0003 \text{ sec. ft.}$
 $\frac{24}{1000}$

The water appropriated under this application has been the sole supply in the Federally developed area from about September 15 to June 15, each year, exact dates depending on climatic conditions. Frost proofing of the concessioner's water line from Trough and Shaker Springs will permit it to be used as a supplemental supply during more of the year, as it has been in the past from June 15 to September 15. Water was hauled from well to 5000 gal. tank in 1000 gal. tank until pipeline was completed. Granco pump filled 1000 gal. tank in 32 minutes in February 1949, with well draw-down of 50 inches. Fairbanks-Morse 25 gpm pump installed October 18, 1949, on completion of pipeline from well to 5000 gal. tank. Pumping 35 minutes on March 1, 1950, water level in 5000 gal. tank rose 13.5 inches and well draw-down was 56 inches. During April and May 1950 said pump operated periodically for 100 minutes at about 20 gpm and water rose 31 inches in 5000 gal. tank with well draw-down of 50 inches. Said tank has 11.5 ft. diameter and capacity of 777 gal. per foot, or 875 gal. per 13.5 inches and 2007 gal. per 31 inches of depth. All measurements made by John R. Lewis, Assistant Chief Ranger, Bryce Canyon National Park.

CERTIFICATE OF APPROPRIATOR

(Fill in blank spaces but do not sign until proof has been submitted to the State Engineer and accepted as sufficient.)

~~STATE OF UTAH~~, CITY OF WASHINGTON
~~COUNTY OF KANE~~ DISTRICT OF COLUMBIA

ss.

I, Conrad L. Wirth, Director, National Park Service, United States Department of the Interior, being first duly sworn, do hereby certify that I am the person, assignee, or the authorized representative of the United States who or which made an Application to appropriate water from underground flow - Sevier River drainage in Garfield county for domestic and municipal purposes; that said Application is filed in the State Engineer's office as No. 21353; that the works necessary to accomplish the diversion and perfect the appropriation of water in accordance with the said Application have been completed; that the foregoing statement of facts is submitted in proof of the completion of said works and the appropriation of said water; that I made the said statement and that each and all of the items contained therein are true to the best of my knowledge and belief.

United States of America

BY: /s/ Conrad L. Wirth

Director, National Park Service
 Signature of Appropriator.

United States Department of the Interior

Subscribed and sworn to before me this 25 day of February, 1955.

(Seal)

My commission expires Nov. 14, 1956 /s/ Lorin A. Davis

Notary Public.

CERTIFICATE OF DISINTERESTED WITNESSES

CERTIFICATE OF PROOF ENGINEER
 (Fill in blank spaces but do not sign until proof has been submitted to the State Engineer and Accepted by him as sufficient.)

CITY OF WASHINGTON)
) ss.
 DISTRICT OF COLUMBIA)

A. van V. Dunn, having been duly sworn, certifies that he is the engineer who prepared the within proof; that he is personally acquainted with the works constructed by the United States of America at Bryce Canyon National Park for the diversion and appropriation of water from underground in Sevier River Basin in Garfield county, under Application No. 21353 for municipal purposes; that said works have been fully completed and used to the extent and in the manner particularly set forth in the foregoing statement of facts; that he has read said statement and that each and all of the items therein contained are true to the best of his knowledge and belief.

/s/ A. van V. Dunn

Subscribed and sworn to before me this 25 day of February, 1955.
 Hydraulic Engineer and Chief Water Resources Sec.,
 National Park Service

My commission expires Nov. 14, 1956 /s/ Lorin A. Davis

(seal)

Notary Public

April 15, 1953. Proof of Appropriation and maps received in State Engineer's office by Eca.

April 6, 1954. Written proof and maps returned for correction by ASR.

Feb. 3, 1952. Written proof and maps returned for correction by ASR.

Corrected written proof and maps resubmitted, received by ASR.

Corrected written proof and maps examined and Certificate written by ASR.

Certificate of Appropriation issued (No. 21353)

Maps, profiles, and drawings filed in Book 21353 page 1.

(No fees. Fee for filing proof and maps \$6.00, received by ASR Receipt No. 1)

(required. Fee for issuing Certificate \$1.00, received by ASR Receipt No. 1)

This written proof and the maps, profiles, and drawings pertaining thereto are found to comply with the requirements of the Laws of Utah, and the same are hereby approved.

1955 State Engineer.

Proof of Appropriation

on Application No. 21353

CERTIFICATE OF PROOF ENGINEER

(Fill in blank spaces but do not sign until proof has been submitted to the State Engineer and Accepted by him as sufficient.)

CITY OF WASHINGTON)
) ss.
DISTRICT OF COLUMBIA)

A. van V. Dunn having been duly sworn, certifies that he is the engineer who prepared the within proof; that he is personally acquainted with the works constructed by the United States of America at Bryce Canyon National Park for the diversion and appropriation of water from underground in Sevier River Basin in Garfield county, under Application No. 21353 for municipal purposes; that said works have been fully completed and used to the extent and in the manner particularly set forth in the foregoing statement of facts; that he has read said statement and that each and all of the items therein contained are true to the best of his knowledge and belief.

/s/ A. van V. Dunn

Hydraulic Engineer and Chief Water Resources Sec.,
National Park Service

Subscribed and sworn to before me this 25 day of February, 1955
(seal)

My commission expires Nov. 14, 1956 /s/ Lorin A. Davis
Notary Public

FEES REQUIRED BY LAW FOR STATE TREASURY

For examining and filing written proof.....\$1.00
 For examining and filing maps, profiles, and drawings.... 5.00
 For issuing certificate of appropriation..... 1.00

Proof of Appropriation

RELATIVE TO

Application No.

MADE BY

TO

Appropriate Water

FROM

FOR

**Domestic and Municipal
Purposes**

RULES AND REGULATIONS

Each Proof shall consist of two parts: (a) a written proof and (b) a sheet or sheets of maps, profiles, and drawings. The maps must be prepared in accordance with Rules and Regulations published in pamphlet form by the State Engineer, a copy of which will be furnished upon request.

No Proof will be marked "received" until the statutory fees (\$1 for the written proof and \$5 for the maps) have been paid and the written proof, maps, profiles, and drawings submitted.

If there is insufficient information in the Proof to indicate that the water sought to be appropriated has been applied to beneficial use, as provided in the Application, the Proof will be returned to the applicant for the necessary corrections, additions, or deletions. These amendments must be made and the Proof returned to the office within the time allowed by the State Engineer in his letter returning the Proof.

Each written proof shall contain details of water measurements made to determine the quantity of water applied to beneficial use. Such details shall include a description of the method used in making the measurement, the date when made, the name of the person making the measurement, and sufficient information to enable the State Engineer to compute the quantity of water measured in each case. Where the source of supply is of a fluctuating nature, a series of measurements should be submitted to show the variation in flow and the period or periods during which it is available.

Water measurements may be made by vessel, weir, meter, rated flume, reservoir capacity curve or other accepted standard method of measurement; but not by floating chip or theoretical carrying capacity of conveying channel.

All ties to points of diversion, points of redirection, points of return, points of beginning of descriptions of irrigated areas, etc., must be given with reference to a regularly established U. S. land corner or mineral monument if within a distance of six miles of either; otherwise to a permanent and prominent natural object.

When Proof is made under an Application to appropriate water for municipal purposes, Certificate will be granted for the quantity of water actually impounded if storage is involved or such quantity of water in direct flow as the constructed works will convey to the actual place of use; provided, the Proof shows conclusively that the water is available.

All maps must be submitted on sheets of tracing linen having dimensions of 24" x 30" and a margin of at least 1½" on all sides.

PAGE.....
(Leave Blank)

Report No.
Filed..... 194.....
Rec. By
Ret'd.....

Report of Well and Tunnel Driller STATE OF UTAH

(Separate report shall be filed for each well or tunnel)

GENERAL INFORMATION:

Report of well or tunnel driller is hereby made and filed with the State Engineer, in compliance with Sec. 100-3-22, Utah Code Annotated, 1943. (This report shall be filed with the State Engineer within 30 days after the completion or abandonment of well or tunnel. Failure to file such report constitutes a misdemeanor.)

1. Name and address of ~~person, company or~~ corporation boring ~~or drilling~~ well ~~or tunnel~~
(Strike words not needed)
United States of America, National Park Service, Washington 25, D. C.
2. Name and address of owner of well ~~or tunnel~~ United States of America,
(Strike words not needed)
National Park Service, Interior Building, Washington 25, D. C.
3. Source of supply is in ground water, Garfield County;
(Leave blank) drainage area; (Leave blank) artesian basin
4. The number of approved application to appropriate water is.....
5. Location of well ~~or mouth of tunnel~~ is situated at a point in SW 1/4 NE 1/4 Sec. 24, T. 36 S., R. 4 W., S.L.B.M., in Bryce Canyon National Park, S12°31'E 4037.0 ft. from NE Corner Sec. 25, T. 36 S., R. 4 W., S.L.B.M.
(Describe by rectangular co-ordinates or by one course and distance with reference to U. S. Government Survey Corner — Copy description from well owner's approved application)
6. Date on which work on well ~~or tunnel~~ was begun Aug. 16, 1948
(Strike words not needed)
7. Date on which work on well ~~or tunnel~~ was completed ~~or abandoned~~ Oct. 8, 1948
(Strike words not needed)
8. Maximum quantity of water measured as flowing, ~~pumped or~~ into well on completion of well ~~or tunnel~~ in sec. ft.; or in gals. per minute 10.2 Date Feb. 22, 1949.
(Strike words not needed)

DETAIL OF COLLECTING WORKS:

9. WELL: It is ~~drilled~~, dug, ~~flowing~~ or pump well. Temperature of water..... 41 °F.
(Strike words not needed)
 - (a) Total depth of well is 30 ft. below ground surface.
 - (b) If flowing well, give water pressure (hydrostatic head) above ground surface..... ft.
 - (c) If pump well, give depth from ground surface to water surface before pumping
24.8 ; during pumping variable
 - (d) Size and kind of casing limestone rubble lining
(If only partially cased, give details)
 - (e) Depth to water bearing stratum 24.8 ft.
(If more than one stratum, give depth to each)
 - (f) If casing is perforated, give depth from ground surface to perforations
Entire well is lined with open joint rubble
 - (g) Log of well. 0-2.0 - native "top soil"
2.0-12.0 - mixed clay and dirt (dry)
12.0-15.2 - mixed clay and dirt (wet)
15.2-22.34 - heavy clay and rock
22.34-27.5 - rock (water-bearing fault at 24.8 feet of depth)
27.5-30.0 - rock (probably impervious)
 - (h) Well ~~was equipped with cap, valve, or~~ needed no capping to control flow.
(Strike words not needed)

(Over)

10. TUNNEL: It is timbered, tiled, piped, open, bulkheaded, covered or.....
(Strike words not needed)

(a) Dimensions.....; total length.....; temperature of water.....°F.

(b) Position of water bearing stratum or strata with reference to mouth of tunnel.....

(c) Log of tunnel.....

11. GENERAL REMARKS: (Note any general or detailed information not covered above.)

Various pump tests were made in February 1949 with pump that filled 1,000-gallon tank in 32 minutes. Regardless of water level in well when pumping started, the water level dropped 50 inches during pumping. Thus, the pump took approximately 675 gallons of stored water from well hole and 325 gallons from the cone of influence. This suggests a potential sustained yield of 10.2 g.p.m. or about 0.025 sec. ft.

The water level in the well has been under observation since February 1949, and has been found to build up to a maximum elevation of about 7,904 feet above sea level, or a depth of 10 feet, by March 15. It drops back to the level of the water-bearing fault at elevation 7,899.3 feet above sea level by early May and remains there until the next spring thaw in late January or early February.

An additional pump test was made with the water at its maximum level about March 1, 1950, and it was found that the water level was lowered 56 inches after pumping 25 g.p.m. for 35 minutes. Deducting the volume of water stored in the well pit, this gave a well yield of 15.6 g.p.m. or 0.35 sec. ft. during the peak of the spring run-off.

STATE OF UTAH,
 COUNTY OF Garfield } ss.

I, John G. Lewis, being first duly sworn,
 do hereby certify that I am the driller of the aforesaid well or tunnel who furnished the foregoing
 statement of facts; that I have read said statement and each and all of the items therein contained
 are true to the best of my knowledge and belief.

Subscribed and sworn to before me this 13th day of May, 1950.

(SEAL)

My Commission Expires:

Sept 23, 1953

John G. Lewis
 Driller
Mable C. O'H.
 Notary Public

Application lapsed 31st day of Dec. 1950Reason Adv. fee not paidApplication reinstated 9th day of Feb. 1951Reason " " paid

Form F-mu 5-11-45 2M

Application No. 21353

Application to Appropriate Water for Municipal Purposes

STATE OF UTAH

Do not fill out this blank until you have read carefully and thoroughly understand the Rules and Regulations on the back hereof, also in the pamphlet prepared by state engineer and all the notes in this form.

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for municipal purposes, 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.

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."

1. The name of the applicant is United States of America
2. The post-office address of the applicant is National Park Service, Washington 25, D. C.
3. The quantity of water to be appropriated is 0.025 second-feet or --- acre-feet
(See note on following page)
4. The water is to be used each year from January 1 to December 31 incl.
(Month) (Day) (Month) (Day)
and stored each year (if stored) from --- to --- incl.
(Month) (Day) (Month) (Day)
5. The drainage area to which the direct source of supply belongs is Sevier River
(Leave blank)
6. 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 or a tunnel, 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, a tunnel, 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.

7. The point of diversion from ~~stream, spring, spring area, drain, well~~ ^{pump} well (flowing or pump), tunnel, or --- is in Garfield county, situated at a point*
at center of well in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36, T. 36 S., R. 4 W., S.L.B.&M., in Bryce Canyon National Park, S32°31'E 6037.0 ft. from the W $\frac{1}{4}$ Cor. Sec. 25, T36S, R4W, S.L.B.&M.

*NOTE.—The point of diversion must be located definitely by course and distance or by rectangular distances, with reference to some 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. (Also see note, page 4.)

No Application will be received in which the point of diversion is not described definitely. Any change made in this description after Application is received and before approved will bring down the priority of Application to the date when the amendment is made of record in the State Engineer's office. If the point of diversion is described improperly it may result in the necessity for rediverting, or for filing a change application to correct the improper tie before certificate of appropriation can be issued.

8. The diverting and carrying works will consist of 30' well driller's report M.V.
well, pump unit, and pipe line.
(Dig well 30 feet deep.)
9. The cross section of the diverting channel will be 
(Strike one not needed)
10. The diverting works and diverting channel will be constructed of earth, wood, iron, concrete
(Strike words not needed)
11. The length of the diverting channel, exclusive of laterals, will be 530 feet
12. The top width of the diverting channel will be (if a ditch) --- feet
13. The bottom width of the diverting channel will be (if a ditch) --- feet
14. The depth of water in the diverting channel will be (if a ditch) --- feet
15. The width of the diverting channel will be (if a flume) --- feet
16. The depth of water in the diverting channel will be (if a flume) --- feet
17. The diameter of the diverting channel will be (if a pipe) 2.0 inches
18. The grade of the diverting channel will be --- feet per thousand

19. Name of Municipality..... Bryce Canyon National Park
20. Description of boundary embracing municipal area (Same as described in
(By closed traverse tied to regularly established
U. S. Land Survey corners)
question 20 of Application 20278 filed with State Engineer by United States on
October 19, 1948.)
21. Legal Subdivisions of U. S. Land Survey embraced within municipality. (Same as
described in question 21 of said Application 20278.)

EXPLANATORY

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

This well was dug by the United States, between August 16, 1948, and October 8, 1948, to provide an immediate winter water supply for the 4 permanent employees and their families, who are stationed at the Park throughout the year. The main water system serving this portion of the Park, built partially by the United States, and partially by the Utah Parks Company under Federal concession contract, is drained from October to May, which made it necessary to haul winter water 5 miles, or more, from one of the diversion works of the main system until this well was dug. With increasing annual public attendance at Bryce Canyon National Park, this well will also provide a supplemental supply for municipal purposes.

Nothing in this application shall constitute a waiver of any other rights which the United States may have to the use of the same water.

United States of America,
Department of the Interior
By /s/ Hillary A. Tolson
Acting Director, National Park Service.
*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. If a corporation, 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.

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.

My commission expires
(SEAL)

Notary Public.

Sec. 36 & 25, T36S, R4W, SLB&M. Secs. 2, 3, 4, 8, 9, 10, 11, 14, 15, 16, 17, 19, 20, 21, 22, 23, 27, 28, 29, 30, 31, 32, 33, 34, T36S, R3W, & Sec. 4, 5, 6, 7, 8, 17, 18, 19, 20, T37S, R3W, SLB&M. Secs. 1, 2, 3, 10, 11, 12, 13, 14, 15, 16, 20, 21, 22, 23, 24, 27, 28, 29, 31, 32, 33, T37S, R4W, SLB&M. Secs. 5, 6, 7, 8, 17, 18, 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, 33, 34, T38S, R4W, SLB&M. Secs. 3, 4, 5, T39S, R4W, SLB&M.

This was attached
to question #21.
Ted Shuman
9-1-1998

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

State Engineer's Endorsements

10:30 a.m.

1. Feb. 17, 1950 Application received ~~over counter~~ in State Engineer's office by M
by mail
2. Priority of Application brought down to, on account of Feb. 9, 1951 Lapse & Reinstatement
3. Fee for filing Application, \$ ~~No fee Req.~~, received by Rec. No.
4. March 2, 1950 Application copied in book Mun. 1., page 340, and indexed by L.C.M. LM
5. Feb. 20, 1950 Application plattd by A.C.T. (C-36-4) 36 A.C.C.-1 Band Made & Tabbed
6. Mar. 24, 1950 Application examined by C.N.H.
7. Application returned, with letter, to for correction
8. Corrected Application resubmitted ~~over counter~~ to State Engineer's office.
by mail
9. Fee for publishing notice requested.
10. Feb. 9, 1951 Fee for publishing notice, \$15.00, received by N.N. Rec. No. 25150
11. Mar. 24, 1950 Application approved for advertisement by J.A.W. C.N.H.
12. Aug. 23, 1950 Notice to water users prepared by C.N.H.
13. Aug. 31, 1950 Publication began; was completed Sept. 28, 1950
Notice published in Garfield County News, Panguitch, Ut.
14. Oct. 2, 1950 Proof slips checked by C.N.H. & J.G.
15. Application protested by
16. Feb. 14, 1951 Application designated for ~~approval~~ by J.A.W. C.N.H.
~~rejection~~
17. Fee for approving Application requested
18. No fee required
Fee for approving Application, \$2.50, received by Rec. No.
19. Mar. 12, 1951 Application proofread by L. E. E.C.A.
20. Mar. 12, 1951 Application ~~approved~~ and returned to applicant
~~rejected~~
- 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 April 15, 1953.
 - 3.
- /s/ Joseph M. Tracy
Joseph M. Tracy State Engineer.
21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Fee for filing Proof of Appropriation, \$1, rec'd by Rec. No.
24. Fee for filing maps, profiles and drawings, \$5, rec'd by Rec. No.
25. Fee for issuing Cert. of Appropriation, \$1, rec'd by Rec. No.
26. Certificate of Appropriation, No., issued

I HEREBY CERTIFY that the foregoing is a true copy of the Application by
to appropriate water and of the endorsements therein as shown by the records of my office on the date given below.

Salt Lake City, Utah, 19 State Engineer.

Application No. 21353

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 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.

NOTE.—The second space provided in Paragraph 3 on page 1 must not be used except when storage is contemplated; in such case Paragraph 4 (first line) should indicate the time in each year during which the water will be released and used. The lands to be inundated by the reservoir must be described under explanatory as nearly as may be and by government subdivisions if upon surveyed land, and the area of the reservoir when at full stage should be given in acres.

If the Reservoir is Located on the Channel of the Source from which the water is to be appropriated, it should be so stated under explanatory, and—

1. The location of the center of the impounding dam should be described in Paragraph 7.
2. The point where the released storage will be rediverted from the natural stream should be described under explanatory in accordance with the note under Paragraph 7.

When Water is Not Stored in the Natural Channel of the Source from which it is to be appropriated, it should be so stated under explanatory, and—

1. The point of diversion from the supplying source should be described in Paragraph 7.
2. The intersection of longitudinal axis of dam and center of stream or drainage channel and the point where the released storage will be rediverted from a natural channel should be described under explanatory in accordance with the note under Paragraph 7.

In all cases Paragraphs 8 to 18, inclusive, should describe the entire diverting works, exclusive of natural channels and laterals, even if already constructed in whole or in part.

Rules and Regulations

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.

The Application must be signed by the applicant at the bottom of page 2 and the affidavit relating to citizenship, acknowledged before a Notary Public before the Application be received by the State Engineer.

An Application shall not be made for more than one purpose, except where the secondary purpose is a necessary incident to the primary one; as for instance, an Application for irrigation purposes may specify domestic purposes as a necessary incident.

Before so-called water savings applications to appropriate or to change are approved, if otherwise satisfactory, the applicant must submit to the state engineer data to conclusively show to the state engineer's satisfaction that the water sought to be appropriated is actually lost, and was unappropriated under conditions existing at the time of filing the application. The applicant must also show that the physical changes contemplated by the application will actually save water. If measurements to conclusively establish the loss are not taken, before changes are made, and preserved by applicant for submitting later in proof the ground work for establishing the right sought will not have been laid and the proof of appropriation might be made impossible.

If Application is Made for the Water of a Number of Springs, or other sources collected at a common point, said point should be described as the point of diversion in Paragraph 7 and the point of diversion from each source should also be described under explanatory, in accordance with the note in Paragraph 7. The quantity of water sought from each source should be indicated under explanatory, the total equaling the quantity specified in Paragraph 3. Where the source of supply is in reality a spring area, the point of diversion is the point where the water is collected; in such case the exterior boundary of the spring area must be described under explanatory by metes and bounds and located with reference to a U. S. land corner as outlined by the note under Paragraph 7.

An Application made to appropriate water for use in a single system with one or more points of diversion or sources of supply, or both, if the water is commingled, may be accepted if made by one person or by a corporation, if and when the points of diversion be in close proximity or located in contiguous sections by government survey; provided, however, that the quantity of water sought, also lie to section corner, be given for each point of diversion.

In case an error is made in the description of the point of diversion, or in case any error is made the correction of which would enlarge the rights sought in an Application after its receipt in the State Engineer's office, then such error may be corrected, but the priority date of the Application will be changed to the time when the corrected Application is resubmitted in the State Engineer's office; and, if the notice to water users has been published, the State Engineer may in his discretion cause a revised notice to be published at the expense of the applicant. No change in point of diversion will be made after publication of notice without republication of notice.

When there are two or more coapplicants the Application must be accompanied by a power of attorney, authorizing one to act for all.

The applicant's permanent address should be given in Paragraph 2, and the State Engineer notified promptly of any change in address; otherwise applicant may lose rights initiated by Application by failing to receive notices sent from the State Engineer's office.

No Application will be marked received unless accompanied with the required filing fee.

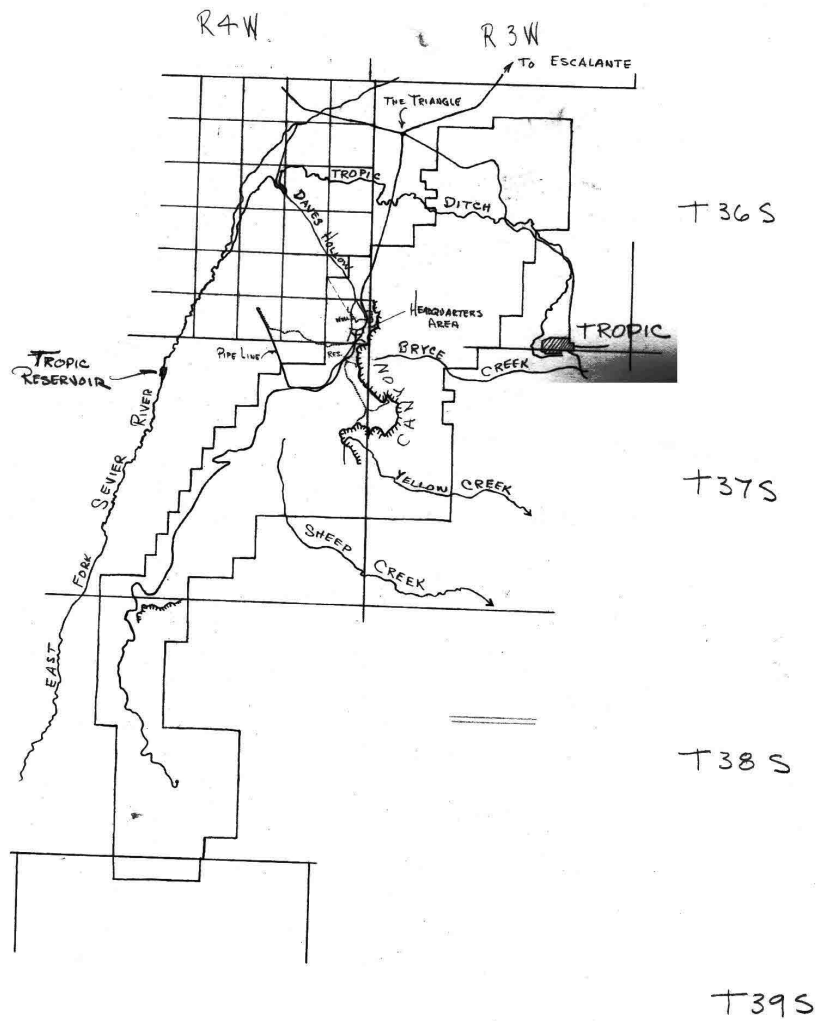
Applications accepted and numbered by the State Engineer, when returned to applicant for correction or additions, must be amended with red ink. Erasures must not be made, but any matter may be eliminated by running a red line through it. Corrected Applications must be resubmitted to the State Engineer's office, within sixty days from the date of State Engineer's letter returning Application for correction; otherwise the Application will lapse.

Applicants will be informed by the State Engineer's office when cost of publishing notice of Application is due, and must advance cost within sixty days after date of notice, otherwise Application will lapse.

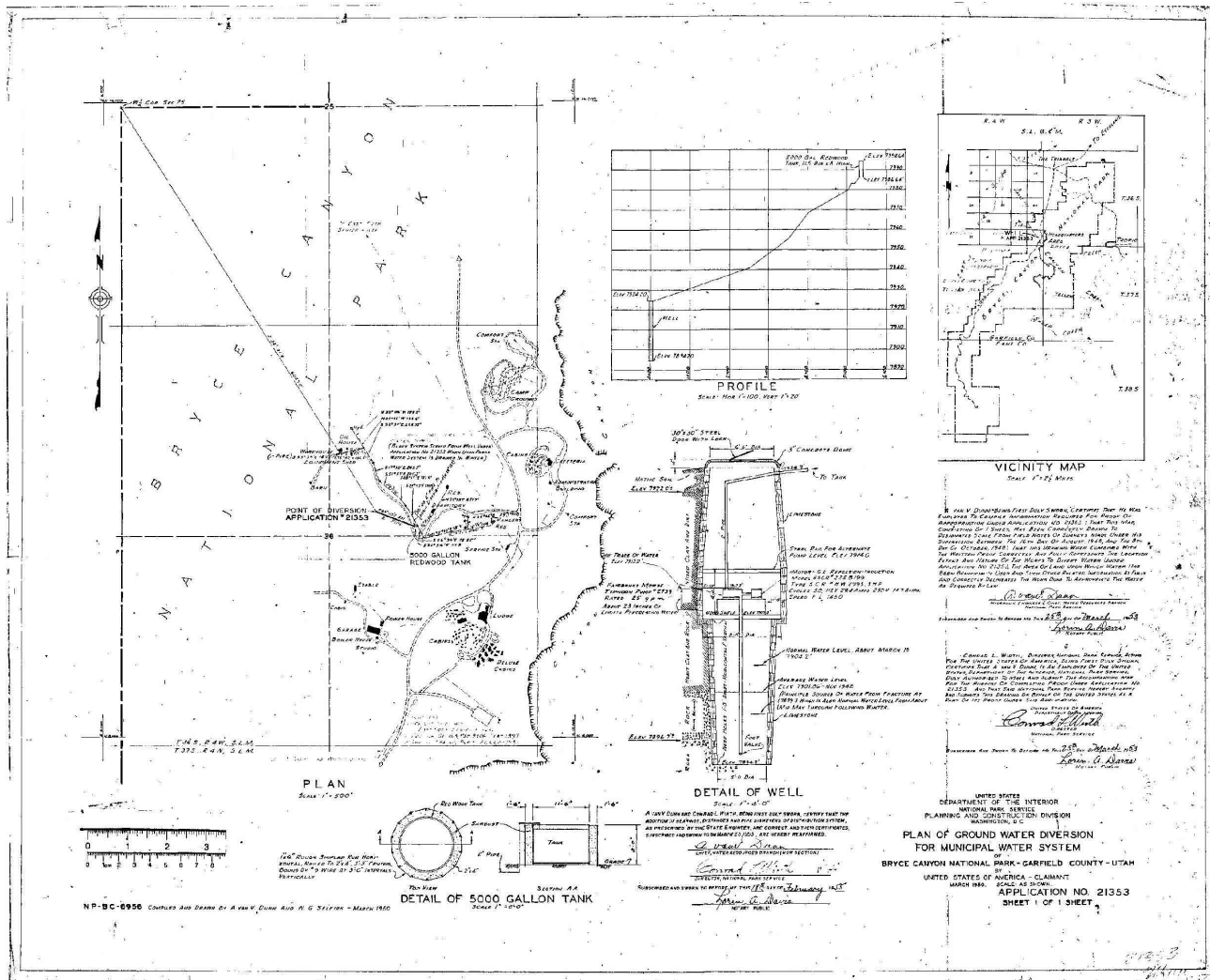
Fees Required by Law Payable to State Engineer

For filing Application to appropriate 10 second-feet of water or less and additionally, \$1.50 for each second-foot above 10.	\$2.50
For filing Application to appropriate 500 acre-feet of water or less and additionally, 2 cents for each acre-foot above 500.	2.50
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 the Proof of Appropriation is submitted.	
For approving and recording completed Application.	2.50
For filing written Proof of Appropriation.	1.00
For examining maps, profiles 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.



VICINITY MAP FOR WELL AT BRYCE CANYON



Docket Information

Number of Documents in Docket 38

Documents Dated from 5/13/1950 to 4/20/1967

Docket Compiled: 2/1/2011