



WATER-RIGHT DOCKET

Dinosaur National Monument

Docket No: 21

SPLIT MOUNTAIN GORGE WELL #2.

Preliminary Docket Information

00-00-0000: water right record split mountain gorge water system

WATER RIGHT RECORD

Park: DINO

Docket Number:
Federal #21

IDENTIFICATION NO: DINO W 3 0 0 4 2 4 A F 2 1

DITCH/WATER SYSTEM: Split Mountain Gorge Water System

SOURCE OF SUPPLY: Well #2

LOCATION: N 57°45'E, 1950 ft. from the $\frac{1}{4}$ corner common to Sec. 30-31,
T4S, R24E, SLB&M

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number: 26635

Certificate Record Number:

Date of Priority: January 24, 1955

Quantity of Water: 0.015 c.f.s.

Purpose: Domestic

Irrigated Land Description:

SUMMARY OF STATUS: This is a Federal water right consisting of a well
and hand pump.

Application approved August 10, 1955. Well drilled in 1958.

Three test wells drilled in this area in March, 1960.

For correspondence pertaining to this well, see Docket #4.



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY
August 10, 1955
APPLICATION APPROVED

U. S. Dept. of the Interior
Dinosaur Nat'l Monument
Box 621
Vernal, Utah

Gentlemen:

Re: Application No. 26635

Enclosed find above numbered application which has been approved. This is your authority to proceed with actual construction work, which, under the Laws of Utah must be diligently prosecuted to completion and the water applied to beneficial use before August 10, 1957, otherwise the application will lapse.

If your well has already been drilled under a temporary permit and the driller has not already placed the number on your well, a copper band containing the number will be mailed to you. If the well has not been drilled this band must be placed on the well by the driller as soon as it is finished.

Failure on your part to comply with these requirements may result in forfeiture of your application.

Yours truly,

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

ADDRESS ALL COMMUNICATIONS TO:

1c
Encl: Approved Application

NO PROOF REQUIRED
Account Application for not more than \$0.015 & F.

Application No. 26635

Application to Appropriate Water for Domestic Purposes

Spirit Lake Campground
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 domestic 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 U.S. Dept. of the Interior, National Park Service
2. The post-office address of the applicant is Box 621, Vernal, Utah
3. The quantity of water to be appropriated is 0.015 second-feet or acre-feet
(See note on page 4)
4. The water is to be used each year from Jan. 1 (Month) to Dec. 31 (Day) incl.,
and stored each year (if stored) from not stored (Month) to (Day) incl.,
(Month) (Day) (Month) (Day)
5. The drainage area to which the direct source of supply belongs is GREEN 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 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 ~~SPRING SPRING~~ ONE well (flowing ~~up from a tunnel~~)
(Strike words not needed)
or is in Wintah County county, situated at a point*
N 57° 15' E., 1950 ft. from the 1/4 corner common to sections 30-31, Township
14 S. Range 24 E., S. 1. 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 readvertising, 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 a drilled or driven well and hand
operated pump, depth 140 ft. minimum, 150 ft. maximum, 6-8 inches diameter.
9. The cross section of the diverting channel will be about 
(Strike ones not needed)
10. The diverting works and diverting channel will be constructed of BRICK, CONCRETE, iron, PIPE
well depth 150 ft. (Strike words not needed)
11. The length of the diverting channel, exclusive of laterals, will be no diverting channel feet
12. The top width of the diverting channel will be (if a ditch) not applicable feet
13. The bottom width of the diverting channel will be (if a ditch) not applicable feet
14. The depth of water in the diverting channel will be (if a ditch) not applicable feet
15. The width of the diverting channel will be (if a flume) not applicable feet
16. The depth of water in the diverting channel will be (if a flume) not applicable feet
17. The diameter of the diverting channel will be (if a pipe) no diverting channel inches
18. The grade of the diverting channel will be vertical and horizontal feet per thousand

19. Number of families to be served for household purposes..... 800-1600 families.....
20. General description of proposed household uses This water will be used for culinary purposes by transit campers visiting Split Mountain Gorge public campground in Dinosaur National Monument.
21. Place of use by Section, Township and Range In the area N. 57° 45' E. 1950 ft. from the 1/4 corner common to sections 30-31, Township 4S., Range 24 E. S. 1. M.

EXPLANATORY

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

The water used for any incidental purpose including Irrigation or Stock Watering will be limited to an amount less than that used for Domestic (Household) purposes.

The water of this well will be used for culinary purposes by transit campers visiting the Split Mountain Gorge public campground in Dinosaur National Monument. It is estimated that from 2500 to 5,000 people per year will use this water for at least one day and the number of people using this campground is increasing.

The National Park Service proposes to dig, drill, or drive a shallow well at this location not expected to exceed 50 ft. in depth and install hand operated pumps in accordance with plans supplied by U.S. Public Health Service to provide a supply of drinking and culinary water for the public using this campground. See attached plat of well location.

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described.

U.S. Dept. of the Interior, National Park Service, Dinosaur National Monument
by *Jess H. Lamberd* Superintendent
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 *Utah*

ss.

On the *21st* day of *January*, 19*55*, 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 *2-6-57*

(SEAL)

William D. Spott
Notary Public

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

STATE ENGINEER'S ENDORSEMENTS

- 91309.31
1. Jan. 24, 1955 Application received ~~over counter~~ by mail in State Engineer's office by See
2. Priority of Application brought down to, on account of
3. No fee required Fee for filing Application, \$....., received by..... Rec. No.....
4. Feb. 1, 1955 Application copied in book D-57, page 294, and indexed by See
5. Jan. 26, 1955 Application plotted by See (D-1-24) 30 ddb-1 Band/Mide-Tabbed
6. May 9, 1955 Application examined by See
7. Application returned, with letter, to..... for correction
8. Corrected Application resubmitted ~~over counter~~ by mail to State Engineer's office.
9. No adv. req. 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
14. Notice published in
15. Proof slips checked by
16. June 28, 1955 Application designated for ~~approval~~ rejection by F.T.M. 29
17. No fee required Fee for approving Application requested
18. No fee required Fee for approving Application, \$2.50, received by..... Rec. No.....
19. Aug. 10, 1955 Application proofread by See
20. Aug. 10, 1955 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, and the water applied to beneficial use on or before August 10, 1957, otherwise the application will lapse.
 2. Proof of Appropriation shall be submitted to the State Engineer's office by
 3. **NO PROOF REQUIRED**
ACCOUNT APPLICATION IS FOR NOT MORE THAN 0.015 S. F.
- 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 Exam. 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. 26635

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.

NOTE—The second space provided in Paragraph 3 on page 1 must not be used except in cases in which 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 shall 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 shall be given in acres.

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

1. The intersection of center line of stream bed and longitudinal axis of impounding dam shall be described in Paragraph 7.
2. The point where the released storage will be diverted from the natural stream shall be described under "explanatory" in accordance with the note under Paragraph 7. If a diversion dam is involved, the point of diversion is intersection of center line of stream bed and longitudinal axis of dam.

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

1. The point of diversion from the supplying source shall be described in Paragraph 7.
2. The intersection of center line of stream bed and longitudinal axis of impounding dam and the point where the released storage will be diverted from a natural channel shall be described under "explanatory" in accordance with the note under Paragraph 7. If a diversion dam is involved the point of diversion is intersection center line of stream bed and longitudinal axis of dam.

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

If Application is Made for the Water of a Number of Springs, or other sources collected at a common point, said point shall be described as the point of diversion in Paragraph 7 and the point of diversion from each source shall also be described under "explanatory," in accordance with the note under Paragraph 7. The quantity of water sought from each source shall 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 within the area, the point of collection being described in Paragraph 7; in such case the exterior boundary of the spring area shall be described under "explanatory" by metes and bounds and located as outlined by the note under Paragraph 7.

Rules and Regulations

If a dam is not required across the natural channel of the stream or outlet of the lake comprising the supplying source to divert water into the diverting channel, the point of diversion or redirection shall be the intersection of the axis of the first tangent in the diverting channel and the high water line on the adjacent side of the natural channel or body of water of the supplying source.

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.

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 tie to a U. S. land survey corner, be given for each point of diversion, and the point of commingling given by tie to a U. S. land survey corner.

In case a material 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 before advertising, but the priority date of the Application will be changed to the time when the corrected Application is resubmitted (received) in the State Engineer's office; and, if the notice to water users has been published, the State Engineer may in his discretion before approval cause a revised notice to be published at the expense of the applicant.

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 or other paper (requiring a fee) pertaining to an Application will be marked received unless accompanied with the required filing fee.

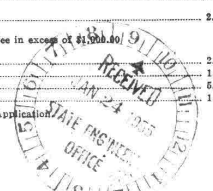
Applications accepted and numbered by the State Engineer, when returned to applicant for correction or additions, must be amended with red ink. Erasures must not be made, but any matter may be eliminated by running a red line through it in such manner that the stricken matter may still be read. Corrected 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 ENGINEERS

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 the Proof of Appropriation is submitted.....	
For approving and recording completed Application.....	1.00
For filing written Proof of Appropriation.....	1.00
For examining map, profile and drawings that are part of the Proof of Appropriation.....	6.00
For issuing Certificate of Appropriation.....	1.00

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



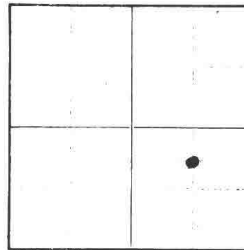
Supporting Hydro Data

(Jan. 1957)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

Split Mtn. Gorge



Locate well on plat of section.

1. Location: State Utah County Uintah
Nearest P. O. Jensen, Utah Direction from P. O. NE
Distance from P. O. 9 miles; SE 1/4 sec. 30 T. 4S R. 23E
If in city, give street and number _____

2. Owner: National Park Service Address Dinosaur National Monument, Vernal, Ut.
Driller: Birchell Address Roosevelt, Utah

3. Situation: Is well on upland, in valley, or on hillside? valley

4. Elevation of top of well: 4820 ft. above the level of sea level
(Above or below) (Sea, depot, lake, or stream)

5. Type of well: drilled; kind of drilling rig used rotary
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)

6. Depth of well: 50 ft.; year in which well was finished 1956
Does well enter rock? yes; if so, at what depth? 18 ft.; kind of rock limestone

7. Diameter: At top 8 inches; at bottom 8 inches.

8. Principal water bed: gravel
(Gravel, sand, clay, or rock. If rock, state kind.)
Depth to principal water bed 40 ft.; thickness of bed 10 ft.
If other water supplies were found, give depth to each _____

9. Casings: Kind galv. pipe; size 8; length 50 ft.; between depths of 0 and 50 ft.
Kind w/sandpoint; size _____; length _____ ft.; between depths of _____ and _____ ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.

Packers (if any): Depth at which packers were used none; kind _____

Screen or Strainer: Was well finished with screen? no; kind of screen _____
length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? no; did it overflow when new? no
if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
original pressure or head _____; if not flowing, give water level in well _____ ft. below surface.

11. Pump: Is the well pumped? yes; kind of pump hand
size or capacity of pump 20 gal. per min; kind of power manual

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at 20 gal. per min gallons per minute continuously for 4 hours;
quantity of water ordinarily obtained from well 100 gallons per day. (average)

13. Use: For what purpose is the water used? domestic

14. Quality of the water: med. soft; is there an analysis? yes
(Hard or soft, fresh or salty, etc.)

15. Cost of well, not including pump: \$130.00 plus \$0.1502 Temperature of water 50° F.
Name of person filling blank Jeddy M. Cockrell & John B. Carmack
July 2, 1958 Address Dinosaur National Monument, Vernal, Utah

See the back of this sheet for the record of the hole through which the well passes and any other facts not given above.

[illegible]

Form 10-174
(Rev. 1/56)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE9SP1
REPORT OF

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION Two	AREA Dinosaur National Monument	COUNTY Uintah-Utah Moffat-Colo.	STATE Utah and Colorado
PROJECT OR JOB TITLE Water Wells - Various Campgrounds		MASTER PLAN NO. NM-DIN-3127	PCP NO. U-16
LOCATION IN AREA Pat's Hole - Lodore - Split Mountain Gorge		BUILDING NO. None Assigned	
WORKING DRAWING NO. AND TITLE NM-DIN-2032 - Water Wells and Hand Pumps			
APPROPRIATION TITLE AND SYMBOL 14X1035 Construction		ACCOUNT NO. 332.3	
CONTRACT NO. None - Accomplished by Day Labor		DATE WORK STARTED July 1954	DATE WORK COMPLETED 3/5/58 ✓
NAME OF CONTRACTOR None		ADDRESS None	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Wells Drilled: Three each with a depth of from twenty to fifty feet. Wells are located at Lodore, Pat's Hole and Split Mountain Gorge, as shown on attached map. An ample, useable supply of water was obtained. Pumps installed were of the manually-operated suction type.			
TOTAL			1,751.71

COST AGREE WITH FFO RECORDS
C. D. VAN KIRK, SUPERVISORY ACCT.
REGION TWO OFFICE FFO
DATE APR 16 1958

SUMMARY OF EXPENDITURES

PERSONAL SERVICES 920.24	EQUIPMENT	MATERIALS AND SUPPLIES 714.51
OTHER 116.96		

CHANGE ORDERS

ORIGINAL CONTRACT AMOUNT -	FIRST	SECOND	THIRD
FINAL CONTRACT AMOUNT -	FOURTH	FIFTH	SIXTH

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH
APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES

SUBMITTED BY (Name and title) Jess H. Lombard, Superintendent	DATE 4/29/58
APPROVED BY (Name and title) Jess H. Lombard, Superintendent	DATE 4/29/58

(ATTACH NARRATIVE STATEMENT, PHOTOGRAPHS, AND "AS BUILT" DRAWINGS TO THIS FORM)

U. S. GOVERNMENT PRINTING OFFICE: 1956-O-374085

Other Supporting Information

LS4-OBL

Dinosaur National Monument
Box 621 - Vernal, Utah

May 11, 1959

Memorandum

To: Regional Director, Region Two

From: Superintendent, Dinosaur National Monument

Subject: Water Right Applications 26523 and 26635, Split Mountain Gorge Campground, Dinosaur

Reference is made to Mr. A. van V. Dunn's memorandum to you dated April 20 of which we have a copy. The following may assist in answering the three questions framed by Mr. Dunn:

1. Wells were drilled at the approximate site designated in Applications 26523 and 26635. Well No. 26523 was drilled in 1956, well No. 26635 in 1958. Both wells produce good potable water and are equipped with hand-operated pumps according to Public Health Service standards. One well (26523) tested unsatisfactory on several occasions; however, the pump was not a sealed unit and was subject to contamination by priming with dirty water. A new sealed unit pump has been installed and so far all tests have been satisfactory.

2. A third well has not been drilled approximately half way between sites designated in Applications 26523 and 26635.

3. We have no plans to drill a third well. Several proposals have been made to complete a pressurized water system in the campground including flush toilets and water distribution lines and storage tank. We feel that further development of one or both existing wells would provide adequate water supplies if the above proposal is finalized.

Drawing No. NM-DIN-3135, Split Mountain Gorge Campground and Geological Cross Section Trail, dated February, 1958, references the two wells as drilled and now in use.

(Sgd) Oscar T. Dick
Acting Superintendent

Oscar T. Dick
Acting Superintendent

In dupl.

cc: Chief, WODC in dupl.

WESTERN OFFICE
DESIGN & CONSTRUCTION
MAY 13 1959 A.M.

CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	✓
LAND/ARCH.	✓

ACTION TAKEN - DATE
22 2 2 2

4. Monte, Sun
6. Hickory

L54-GBL

April 20, 1959

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Water Right Applications 26523 and 26635, Split Mountain
Gorge Campground, Dinosaur National Monument

Mr. Lombard's memorandum of April 9 to the Hydraulic Engineer is not surprising, but the correspondence might be largely clarified if we know:

1. Were wells drilled approximately at sites designated in Applications 26523 and 26635?
2. Has a third well been drilled yet, approximately half way between the sites designated in Applications 26523 and 26635? *No*
3. When is the third well to be drilled, if it is still only proposed?

The further water right procedure could be determined from answers to these questions. Moreover, no further filings should be made until we have the answers.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Dinosaur
✓ Chief, WDC

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
APR 23 1959	
CHIEF	
ADMIN. ASST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
WATER RES.	
ACTION TAKEN - DATE	
1. 26523/24	
2. 26635	
3. 26635	
4. 26635	
5. 26635	

April 10, 1959

Memorandum

To: Regional Director, Region Two

From: Chief, Water Resources Section

Subject: Water Right Applications 26523 and 26635, Split Mountain
Gorge Campground, Dinosaur National Monument

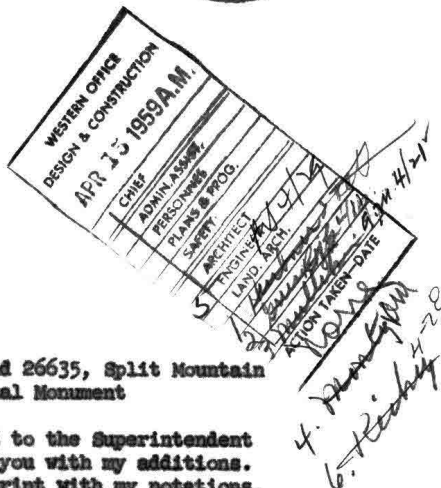
Mr. Mott's memorandum of March 23 to the Superintendent refers to the photostat negative I sent to you with my additions. I am not sure that the Superintendent has print with my notations, which would be helpful in locating well sites 1, 2 and 3. I seem to recall that I showed more on the negative than I did on the print in Docket 4.

Although Mr. Mott properly asks for confirmation of whether wells 1 and 2 were dug, I assume the answer will be no. However, wells 1 and 2 have legal status through the water right applications (with no proof needed). I think the best water right procedure will be to treat them as established wells, and consider well 3 as a replacement. Proof will be needed on an application and permit for wells if the yield and use is equal to the sum of claims for wells 1 and 2, but we will not have to prove construction or use of wells 1 and 2.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Dinosaur
Chief, WDC



154

Dinosaur National Monument
Box 621 - Vernal, Utah

April 9, 1959

Memorandum

To: Hydraulic Engineer, Region Two
From: Superintendent, Dinosaur National Monument
Subject: Water Right Applications 26523 and 26635, Split
Mountain Gorge Campground, Dinosaur National Monument

In reference to your memorandum of March 23, subject, we are simply confused on the issue of well sites, completion dates and Water Rights Dockets and by the volume of paper work dealing with water in Dinosaur National Monument. Much of the correspondence in our files is based upon assumptions, projected survey lines and other questionable data.

We would like to suggest that you or your representative visit this area and assist us in bringing our water rights file up to date and securing such data as needed by you to complete your files.

If you do not agree to our proposal, we will attempt to provide you, to the best of our ability, with the information requested.

(Sgd) Jess H. Lombard
Superintendent
Jess H. Lombard
Superintendent

cc: Director in dupl.
Chief, WODC in tripl.

WESTERN OFFICE DESIGN & CONSTRUCTION	
APR 13 1959 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SURVEY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
1. <i>H. Lombard</i> 4/13	
2. <i>H. Lombard</i> 4/13	
3. <i>H. Lombard</i> 4/13	
ACTION TAKEN—DATE	
<i>me</i>	

L 54 *Dunn*

Mott

3/23/59

MAR 23 1959

Memorandum

To: Superintendent, Dinosaur National Monument
From: Hydraulic Engineer, Region Two
Subject: Water Right Applications 26523 and 26635, Split Mountain Gorge Campground, Dinosaur National Monument

Mr. Dunn sent to this office a negative photostat-copy of Drawing 3108-A in his memorandum of January 16, 1959. Upon this drawing he located Well Site No. 3, by scaling from the plat on the Record of Well. The location is approximately midway between Well Site No. 1 and Well Site No. 2.

Please prepare a narrative statement of each well in the Quarry Headquarters and Split Mountain Gorge campground areas, identifying each well as follows:

1. Well Number, or Well Site location.
2. Date the drilling was completed.
3. Whether Well was used, or abandoned.

Our Water Right Docket No. 1 file contains Part III - Well 3. It is believed this well is located by the river and that it supplies the Quarry Headquarters.

Please let us have also the correct figure for the number of wells drilled in the Split Mountain Gorge campground area. It is our understanding that only two wells have been drilled in this area. *5 1/2*

Signed

William A. Mott
Hydraulic Engineer

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

WAMott/etb

L54-CBL

January 16, 1959

Memorandum

To: Regional Director, Region Two

From: Chief, Water Resources Section

Subject: Water Right Applications 26523 Well 1 and 26635 Well 2, Split Mountain Gorge Campground Water System, Docket 4, Dinosaur

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
JAN 21 1959 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	1/1/59
LAND. ARCH.	
ACTION TAKEN-DATE	
None	

We are returning the original subject water right applications and letters of approval which Mr. Mott forwarded by registered memorandum of December 3, 1958, directly to the Superintendent with registered copy of this memorandum. Photostat copies and negatives are attached. A set of the photostat copies are also being sent to WDC. I did not note that Mr. Mott proposed to duplicate and distribute until the copies were made.

In each case the instruments should be filed in Docket 4, below the copy of the Completion Report. It is noted that each application refers to an attached plat, of which copies should also be filed, but of which no copies have been sent to this office.

Also attached are the photostat negatives of the left and right halves of Drawing 3108-A which are based on Mr. Grunigen's 3108 of November 1955. The memorandum of December 4, 1958, to the Hydraulic Engineer from Mr. Dick indicates that the Monument did not have a copy of the left half, but it was included in the assembly of Docket 4, and the right half was included in Docket 3, when folders for Dockets 2, 3 and 4 were distributed with my memorandum of July 29, 1958. I gather that Mr. Dick only looked for the drawing in his map file, but you can supply another photostat positive for Docket 4, if necessary.

Two prints of Drawing 3108 were sent to the Chief, Design and Construction, with copies to the Region and Monument, with a memorandum of November 30, 1955, from Mr. Hill, reference L-54, subject - Water Right Acquisition by Appropriation, Dinosaur. Drawing 3108-A, in the two halves, was made in this office, using one of the two prints of 3108 as a base, and projecting topography, meander of the River, and section subdivisions from plat and survey notes of the Geological Survey and Bureau of Land Management. It is necessary to compare Drawing 3108 with my modified 3108-A in two halves to see how little of the data on the latter is based on correlated field surveys.

For this discussion it should be noted that Mr. Grunigen located Well sites 1 and 2 at Split Mountain Gorge Campground from the corner common to Sections 29, 30, 31 and 32, and did not show either the east or south 1/4 corners of Section 30 on Drawing 3108. I projected the section lines and 1/4 corners from BLM plats of questionable accuracy. The ties in Applications 26523 and 26635 are given to the south 1/4 corner, which does not appear to have been recovered by Mr. Grunigen. Moreover, they appear to have been made before Mr. Grunigen made his survey and Drawing 3108.

In yellow on the negative of left half of 3108-A and on my print in Docket 4, I have project Well sites 1 and 2 from Applications 26523 and 26635; and Well site 3 (as drilled), by scaling from the Record of Well in Docket 4. The two locations of Well sites 1 and 2 by applications and later Grunigen survey, respectively, should ultimately be reconciled by an extension of the Grunigen survey to the S 1/4 corner, Section 30. There will apparently still be some variation, probably due to less accurate survey which seems to have been made for the ties in the applications.

For your information, I am sending you and WDC prints of the 10 pages of my computations of BLM surveys. These were made at home, with logs, to find errors in work, and check speed of Mr. de Chany. The latitudes and departures are as accurate as the basic survey notes. However, I had to set up my own coordinate grids because none were on Mr. Grunigen's Drawing 3108, and they will doubtless disagree with any coordinate grids which may have been adopted in the field. These traverses should be incorporated in maps of the areas, with any corrections which may be possible by NPS recovery of both section and meander corners.

The contours on 3108-A are projected by scaling from much smaller Geological Survey maps. They are subject to considerable refinement if the Park Service makes topographic maps of either area. I assume that such maps are contemplated for master plans.

Now, a well was authorized at site 1, at Split Mountain Gorge Campground, with priority of December 10, 1954, if drilled and used by June 28, 1957, in accordance with approved Application 26523. A well was authorized at site 2 with priority of January 24, 1955, if drilled and used by August 10, 1957. The Record of Well and Completion Report of April 29, 1958, indicate that a well was drilled at site 3 during 1956, and was in use by March 5, 1958. We should be supplied with the actual date in 1956 (?) when well 3 was equipped with a pump, and placed in operation.

Applications 26523 and 26635 are each for 0.015 sec.ft., or a total of 0.3 sec.ft. (19,388 gpd or 13.46 gpm). The Record of Well indicates that Well 3 has been pumped at 20 gpm, or 148.5% of the claim under the two applications, at a date which should be supplied.

Applications 26523 and 26635 were approved with the waiver of proof because not for more than 0.015 sec.ft., each. If answers to all of above questions as to further dates are correct, I recommend that rights under the two applications be treated as established. Two actions are then possible.

1. We file an application for change in point of diversion from Well site 1 as described in the application, to Well site 3 under Application 26523 with the explanation that Well site 1 was found undesirable but not stating whether Well 1 was drilled or not, and the well was relocated at site 3 before June 28, 1957, on a date to be supplied.

2. We file an application for change in point of diversion from Well site 2 as described in the application, to Well site 3 under Application 26635 with the explanation that Well 3 produced adequate water to supply all the needs under both applications at a central location, and that the 0.03 sec.ft. has all been pumped from Well 3 since the date of the 20 gpm pump test which is to be supplied.

The resulting right to 0.03 sec.ft. under the two priorities of December 10, 1954, and January 24, 1955, will probably require proof, but we need not acknowledge that assumption until, or unless the State Engineer suggests it. - However, such proof would require plan of water system, record and description of method of measuring the diverted and used water, and notes and bounds description of any irrigated areas. We seem to plan to install a power pump, reservoir and distribution system by 1966, which is logical with a centralized source. Accordingly, both applications for change in point of diversion should also be for change in method of diversion and distribution by stating that hand pump is being, or to be replaced by the proposed water system as described under "Explanatory", and that such new system will be completed in 1965 or 1966.

For the proof we shall have to show Well sites 1 and 2 as described in the applications with relation to S 1/4 Section 30, but that 1/4 corner should be properly tied to SE corner of the section on a proper map of the River. No reference need be made to the sites shown on Drawing 3108, if they are different, because those sites have not been made a matter of state record unless Drawing 3108 was sent to the

State Engineer 10 months, or more, after the second application was filed. Well 3 should be located by accurate tie to agree with site to be shown on all future maps of the area.

The State Engineer may reject the two applications for change in point of diversion and prescribe a new application, with 1959 priority for Well No. 3 when they are filed. I do not think the loss of priority would be significant, but I think it is worthwhile to attempt to retain the 1954 and 1955 priorities.

Mr. Mott should only explain to the State Engineer that we wish to transfer the rights under Applications 26523 and 26635 to a single well half way between, to be equipped with power pump, reservoir and distribution system, and that he wishes a dozen of the proper forms. A copy of the form, Mr. Mott's suggested answers for both applications, and any comments from the State Engineer, should be referred to us before the forms are filled in.

On the tab of our Docket 4 folder I have entered 26523 after the typed "Application", and entered 26635 on the line below. I have also deleted "#3" after the word well, and added - Well 1 - and then shown December 10, 1954, after "Priority". I have added -Well 2 - and January 24, 1955, on the line below, and - Well 3 -, with no priority shown, on the line below that. Further modifications and new folders, will doubtless be needed later.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachments

Copy to: Superintendent, Dinossur, with attachments - REGISTERED MAIL
Chief, WDC, w/c attachments

L 54

~~Grunigen~~
2/6
Garber 1/14

~~Smith~~
SM

January 14, 1959

Memorandum

To: Regional Director, Region Two
From: Acting Supervisory Engineer, WOOD
Subject: Land Ties for Applications 26523 and 26635 for Water Rights
to Well Water, Split Mountain Corps Campgrounds, Rocket 4,
Dinosaur National Monument

As requested in Mr. Mott's memorandum of January 8 to this office on the subject, there are attached three prints of Drawing No. RM-DIN-3108-A, Water Well Locations, Dinosaur National Monument. Three copies of Mr. Grunigen's field notes, copies from Page 22 of Dinosaur National Monument Field Book No. 6A, are also attached for Mr. Mott's use.

Signed

Richard T. Montgomery
Acting Supervisory Engineer

In duplicate

Attachments

Copy to: Chief, D&C
Chief, Water Resources, WAGO
Supt., Dinosaur NM

Proj. Supv. Grunigen
Mr. Richey, PHS
P.E. Smith

RNGrunigen:he

FILE COPY

7

L 54 *Dunn*

Mott

1/8/59

JAN 8 1959

Memorandum

To: Chief, Western Office, Division of Design and Construction
From: Hydraulic Engineer, Region Two
Subject: Land Ties for Applications 26523 and 26635 for Water Rights to Well Water, Split Mountain Gorge Campgrounds, Docket 4, Dinosaur National Monument

When I was at Dinosaur National Monument in September I was informed that Mr. Grunigen had surveyed and tied the two water wells to land corners.

Will you please forward to this office three prints of drawing based upon Mr. Grunigen's survey if it shows corrections to drawing NM-DIN-3108-A (left half), and copies of Mr. Grunigen's field notes.

Mr. Dunn's memorandum of December 17, 1958, suggests a question as to the accuracy of drawing NM-DIN-3108-A.

Signed

William A. Mott
Hydraulic Engineer

In duplicate

Copy to: Director (2)
Supt., Dinosaur NM

WAMott/etb

LS4-CBL

December 17, 1958

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Applications 26523 and 26635 for Rights to Well Water,
Split Mountain Gorge Area, Docket 4, Dinosaur

Much of Mr. Baggeley's memorandum of December 11 was answered
in my memorandum of December 10 concerning Mr. Mott's earlier memorandum.

As stated, the scheduling of new or amended applications can
be deferred until we complete proper plans. It does not matter which
section corner is used for ties to wells, and I should leave the
matter to the surveyor's choice.

You may, or may not know that the drawing in the docket was
based on the traverse shown, and topography added from Geological
Survey maps by my former assistant, Mr. de Chanay, who was dismissed
for incompetence. I believe that traverse was also plotted in the
first place by a rather inexperienced draftsman in Region Three.
The drawing should be replaced if later surveys show errors.

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

Copy to: Superintendent, Dinosaur
Chief, WDC

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
DEC 19 1958 A.M.	
CHIEF	
ADMIN. ASST.	
PERSONNEL	
PLANS & DESIG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. & H.	
ACTION TAKEN—DATE	
None	

*Cpg for
Summit
city*

12/19

LSA-OEL

December 10, 1958

Memorandum

To: Regional Director, Region Two
 From: Chief, Water Resources Section
 Subject: Water Right Applications 26523, Well 1 and 26635, Well 2,
 Docket 4, Split Mountain Gorge, Dinosaur

The subject applications, as approved by the State Engineer, have been received by registered mail with the memorandum of December 3 from Mr. Mott. They will be duplicated for distribution for Docket 4 after the Christmas congestion of mail.

As Mr. Mott indicates, the well sites are shown at different points on Drawing 3108-A in the docket, and by description in the applications. However, the differences are not immediately important unless there is a private land boundary between the two sites, and I believe that there is not.

The applications, and said drawing are both for proposed wells. A variation of 200 to 300 feet in final location, somewhat large but some variation might be expected. A check for accurate tie will be desirable, but other matters need more immediate attention.

The applications were both approved without further required proof, but Well 1 was to have been completed by June 28, 1957, and Well 2 was to have been completed by August 10, 1957. Record of well in the docket indicates that only one well has been dug to 50 feet, in 1956, at site approximately half way between the two designated sites. Technically, both applications are for new wells to have been drilled on the basis of data obtained from the 1956 dug well, and both applications are subject to revocation for failure to complete drilling within the specified time, or obtain extensions of time.

It would be disastrous to request an extension of time at this time. However, it may be possible to salvage one, or both rights by amendment in connection with a claim for the ultimate water system. Each application for 0.015 sec.ft. gives a combined total potential claim to about 19,000 gallons per day. Before going further with water rights, we should have the report on the Geological Survey of this past fall, and water system development plans by WDC which give

WESTERN	
DESIGN & CO	
DEC 10 1958	
CHIEF	
ADMIN. ASSIS	
PERSONNEL	
PLANS & PROG	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
ACTION TAKEN-DATE	
Horn	
G. Mott	
H. Mott	

site for the permanent well, plan of both area and water system development, and estimates of ultimate water use. We can then decide on the nature of new or amended water right application.

My major comments on the subject applications are that they were filed prematurely and the timing was not integrated with the construction schedule. I am not sure whether they are based on development plans or not, but I cannot understand why question 10 specifies 150 foot wells, and the explanatory descriptions cover 90 foot wells. There appears to have been a directive by the State Engineer which led to the reference to the 150 foot well in Application 26523 in red. This was incorporated in later application before submission. We should have copies of the exchange of correspondence concerning filing and return of the applications for correction.

Under existing procedure the applications should have been prepared or cleared by the Water Resources Section before signing and filing in 1957. Any further applications at this time should also have such prior clearance, and should be filed only when there is a firm related construction schedule. Any new application for water in excess of 0.015 sec.ft. will also require subsequent proof.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Dinosaur
Chief, WODC

V. OR
INSTN
95
7.
F.
L.

154-OBL

December 5, 1958

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Applications 26523 and 26635 for Rights to the Use of
Wells at Split Mountain Gorge, Dinosaur

The memorandum of October 22 to the Hydraulic Engineer from Mr. Dick refers to the two subject applications for which we do not seem to have any records. I presume they were prepared and filed by the Superintendent.

Please supply us with the applications and copies of related correspondence for review and preparation of docket assemblies, before further action is taken on any changes.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Dinosaur
Chief, WDC

WESTERN OFFICE DESIGN & CONSTRUCTION	
DEC 12 1958 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
ACTION TAKEN - DATE	

L54

Dinosaur National Monument
Box 621 - Vernal, Utah

December 4, 1958

Memorandum

To: Hydraulic Engineer, Region Two
From: Superintendent, Dinosaur National Monument
Subject: Application for Water Rights at Split Mountain Gorge Well, Dinosaur National Monument

Reference your memorandum of November 12, 1958.

We do not have Drawing No. NM-DIN-3108-A, dated November, 1955, titled (left 4) Water Well Location. We do have Drawing No. NM-DIN-3108-A, Revised January 3, 1956. Therefore, we cannot verify the discrepancy between well locations on the drawings you refer to. We assume the locations on Drawing No. NM-DIN-3108-A, Revised January 3, 1956, to be correct.

To the best of our knowledge, the descriptions of the well locations in Applications Nos. 26523 and 26635 were obtained by staff compass and tape measure and are subject to correction. The locations were tied to the quarter corner common to Sections 30 and 31. If it is necessary to file a correction notice, the same tie should be used.

In reference to Mr. Dunn's memorandum of November 20 to Regional Director, Region Two, Application for Water Rights at Split Mountain Gorge Wells, there were no filing fees connected with the application since Federal Agencies need not pay a fee with this type of application.

If you wish to retain the approved applications submitted to you with our memorandum of October 22, please furnish copies to us on the forms enclosed. We will furnish "Record of Well" at well site #2 as soon as we receive the record from the contractor.

Oscar T. Dick
Acting Superintendent

cc: WODG
Chief, Water Resources, Waso

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
DEC 29 1958	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
ACTION TAKEN-DATE	

DEC 3 1958

*copy made
Granger*Registered Mail

Memorandum

To: Director

From: Hydraulic Engineer, Region Two

Subject: Application for Water Rights at Split Mountain Gorge
Campground, Dinosaur National Monument

Reference is made to memorandum, dated October 22, 1958, from Acting Superintendent of Dinosaur National Monument to this office, in which he advises that subject applications, Nos. 26523 and 26635, were filed with the State Engineer and approved June 28, 1955 and August 10, 1955, respectively, and to Mr. Smith's memorandum, November 24, 1958, to Mr. Lombard, copy to your office.

Ties superimposed on Drawing No. 3108-A, as mentioned by Mr. Smith, refer to the ties set forth in the Application being superimposed on Drawing 3108-A to check the accuracy of the Application description against the survey. The location of the wells, as evidenced on the applications, does not correspond to their respective locations shown on Drawing 3108-A in Docket #4. The Application ties are to the 1/4 corner common to Sections 30 and 31 whereas the ties shown on Drawing No. 3108-A are to the SE corner of Section 30. According to WDC, the ties shown on Drawing No. 3108-A reflect a survey by Mr. Grunigen in 1955. We have no information concerning the origin of the descriptions used in the applications.

Since the applications were filed with the State of Utah in 1955 and prior to development of the wells, it seems we should file correction notices so that the records will conform with construction. We assume this may be accomplished by letter as no forms for this purpose are provided by the State.

We are attaching single original copies of Application Nos. 26523 and 26635 for your review and comment. We would appreciate return of the applications so we may effect duplication and distribution.

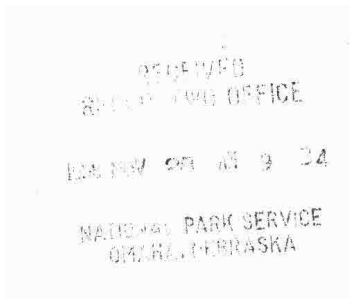
Signed

In duplicate
Attachments 2
Copy to: Chief, WDC (2)
Supt., Dinosaur NM

William A. Nott
Hydraulic Engineer

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
DEC 3 1958A.M	
CHIEF	
ADMIN. ASST.	
PERSONNEL	
PLANS & PROG. <i>MP</i>	
SAFETY	
ARCHITECT	
ENGINEER <i>off</i>	
LAND. ARCH.	
ACTION TAKEN-DATE <i>Nott</i>	

*copy made**copy*



November 24, 1958

REG. DIRECTOR	
ASST. REG. DIRECTOR	
CHIEF, DIV. OF ADMIN.	
CHIEF, DIV. OF OPERATIONS	
CHIEF, DIV. OF INTERP.	
CHIEF, REG. RES. PLANNING	
CHIEF, RANGER ACTIVITIES	
FIELD SOLICITOR	
ACTION TAKEN	
sent Director	
FILE 12/2/58	

Pls discuss with

Memorandum

To: Superintendent, Dinosaur National Monument

From: Supervisory Engineer, WODC

Subject: Application for Water Rights at Split Mountain Gorge Wells, Dinosaur National Monument

A copy of Hydraulic Engineer Mott's memorandum of November 12, on the subject, was sent to this office.

In the third paragraph of the memorandum, Mr. Mott refers to some ties to the wells which he has superimposed on Drawing No. NM-DIN-3108-A. We have no idea what ties he refers to because to the best of our knowledge the only survey for these wells is the one made by Mr. Grunigen in 1955. These ties are shown on the Drawing NM-DIN-3108-A which was prepared in this office at the request of Mr. A. van V. Dunn.

(Sgd) P. E. Smith

P. E. Smith
Supervisory Engineer

In duplicate

Copy to: Chief, D&C
Chief, Water Resources, WABO
Reg. Dir., Region Two

NOV 25 1958

11-20-1958

November 20, 1958

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Application for Water Rights at Split Mountain Gorge
Wells, Dinosaur National Monument

Mr. Mott's memorandum of November 12 indicates that there is considerable water right activity without following the procedure now prescribed.

Applications 26635 and 26523 should have had Washington Office clearance before filing, and copies should have been made for all docket assemblies. We should also have been advised of all action by the State Engineer, and supplied with copies of the notice as published in the paper. There is also a suggestion that the \$20.00 fee for publication may have been paid from Park funds, and it should be paid from funds under your Work Order 2-WR-59, if this year, or from your water rights allotment if last year.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Dinosaur
Chief, WDC

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
NOV 24 1958 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
ACTION TAKEN-DATE	
Slower	

LSH
Dino

NOV 12 1958

Mott
8/12/58

Memorandum

To: Superintendent, Dinosaur National Monument
From: Hydraulic Engineer
Subject: Application for Water Rights at Split Mountain Gorge Wells,
Dinosaur National Monument

Reference is made to your memorandum of October 22 relative to the status of the applications to appropriate water for the two wells at the Split Mountain Gorge campground.

In our docket file in this office we have drawing No. NM-DIN-3108-A dated November 1955, titled (Left $\frac{1}{2}$) Water Well Locations.

Upon the referred drawing we have superimposed the ties to each of the two wells and find a discrepancy of approximately 300 feet at well site #1 and approximately 180 feet at well site #2. It is believed this drawing was prepared with the topography and additional details prior to the revision of the full sized drawing No. NM-DIN-3108-A Revised in 1956.

It is believed that the quarter corner common to Section 30 and Section 31 would be more accessible to which the ties might be made than the southeast section corner of Section 30, to which the ties by bearings and distance are so indicated.

It was my understanding at the time I was in the Monument in September that Mr. Grunigen, Engineer for WODC, had tied the subject wells by survey. Please check and see if the map accompanying the application for the appropriation of water conforms with that survey by Mr. Grunigen. If so, this office would appreciate you forwarding three prints of the final survey drawing.

Regional File Docket No. 4 for Split Mountain Gorge campground water systems does not have a copy of the approved applications to appropriate water (applications #26635 and #26523).

Also, the "Record of Well" at well site #2 is missing from the Regional Office File. It would be appreciated if you would supply us with three copies of this record.

Signed
William A. Mott
Hydraulic Engineer

In duplicate

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

WAMott/etb

**Dinosaur National Monument
Box 621 - Vernal, Utah**

October 22, 1958

Memorandum

To: Hydraulic Engineer, Region Two

From: Superintendent, Dinosaur National Monument

Subject: Application for Water Rights at Split Mountain Gorge Well, Dinosaur National Monument

154-L

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
OCT 21 1958 A.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	✓
LAND ARCH.	
ACTION TAKEN—DATE	
None	

*cy made
Grunge*

af/19

19/10/58

In reference to your memorandum of August 29, we filed Application No. 26523 December 9, 1954 and Application No. 26635 January 21, 1955 for wells in Split Mountain Gorge Campground and received approval June 28, 1955 and August 10, 1955 respectively. The two wells have been drilled and are now in use equipped with hand operated pump installed according to Public Health Service specifications.

We believe Application No. 26523 refers to the same or approximately the same location described in the unnumbered Application you requested us to execute and distribute copies thereof. In reference to Drawing 3100-3, our approved Applications established the well locations at points "from the 1/4 corner common to Sections 30-31, Township 4S, Range 24E, S.L.R." Your Application establishes the location "from SE Corner, section 30, Township 4S, Range 23E." If the courses described in the separate Applications are projected on the referenced drawing, they intersect approximately 400 feet northwest of the well location.

We believe a correction notice filed with the State of Utah in reference to Application No. 26523 will be sufficient, and the application you requested us to execute need not be submitted. Applications No. 26523 and 26635 and your unnumbered application are attached for your review and comments.

Please advise if you did or did not secure all of the data requested in the third paragraph of your August 20 memorandum since our files were made available to you during your recent visit.

(Sgd) Oscar T. Dick
Acting Superintendent

Oscar T. Dick
Acting Superintendent

in dupl. w/Attachments
cc: Director in dupl.
WODC in dupl.

NO COPY MADE IN MAIL ROOM

154-L
Deno

AUG 20 1958

Memorandum

To: Superintendent, Dinosaur National Monument
From: Hydraulic Engineer, Region Two
Subject: Application for Water Rights at Split Mountain Gorge Well, Dinosaur National Monument

Mott.

8/19/58

I am attaching an application to appropriate water for the Split Mountain Gorge Well. The quantity of water to be appropriated (.00315 second feet) will accommodate 34 camp units, with an average of 4 persons, each person consuming 15 gallons per day.

Please insert in the "Explanatory" section, the cost of the present well and pump.

Referring to Mr. Dunn's letter of July 29, 1958, he requests the "Record of Well" data of each of the wells drilled during the development of the Split Mountain Gorge campground water supply. We request the data whether the drilling was for a test well, or a single well for final development. There is some question as to the identity of the point of diversion of the Split Mountain Gorge campground well (well #3 ?). Please advise of the proper identity, whether the well was located at or near well site #1 or well site #2 as indicated on the drawing NM-DNM-3108-A. The location indicated on the application form was taken from the referenced drawing and marked (N515) which was considered the final figure identifying the location by bearing and distance. Should this designation be erroneous, please correct and indicate such on the application.

I do not have a sufficient supply of application forms to provide the necessary copies for distribution. Please execute the application and distribute copies for the four dockets.

Signed

William A. Mott
Hydraulic Engineer

Attachment (1)

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

WAMott/etb

L54-L

July 29, 1958

Memorandum

To: Regional Director, Region Two
From: Chief, Water Resources Section
Subject: Water Rights Dockets No. 2 Ladore Well, No. 3 Pat's Hole Well,
and No. 4 Split Mountain Gorge Well, Dinosaur

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
AUG 1 1958 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANNING & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
ELECTRICAL	
ACTION TAKEN - DATE	

Attached are your copies of the subject dockets, with the data available at this time. Similar assemblies are being sent to the Superintendent and WDC. Also attached is a draft of an application for the appropriation of the water from Split Mountain Gorge Well.

The record of the Ladore Well was received with the location shown in SW $\frac{1}{4}$ Sec. 20, T 4 N, R 102 W, 6 PM. I have corrected to show the location in T 9 N, assuming a typographical error.

The Split Mountain Well is in Utah. Mr. Mott should prepare an application similar to the attached copy, in accordance with our air mail memorandum of July 28 to Regions Two and Three concerning re-adjudication of rights to Colorado River water in Utah. I believe that the attached draft gives the general form, such that no further review will be needed here before the final application is signed and submitted by the Superintendent.

I am not sure that there is not a more up-to-date form for only domestic purposes, just as there are separate forms for appropriation of water for irrigation, stock watering, and miscellaneous purposes. The application should be prepared with copies for each of the four docket assemblies, and the copies should be amended and corrected in the same manner that the original may be changed on instructions from the State Engineer.

There is no Federal filing fee in Utah, but the State Engineer will request \$20 for advertising at the proper time.

I have only been able to rough out a draft of the proposed application because of inadequate and conflicting data. The Drawing 3108-A showed two well sites, while the Record of Well shows a site approximately half way between. In the docket I have also designated the completed well as Well No. 3, in the event that there may have been prior bores at sites 1 and 2. We should have the "Records of Well" for

any bores at sites 1 and 2, even if dry, but if only one well has been drilled, its number should be corrected in the docket. For further explanation of the drawing, please refer to my memorandum of March 13, 1956, which does not appear to have been answered.

From the drawing I believe that the constructed well can be located with sufficient accuracy by pacing or chaining from the earlier traverse, sealing coordinates, and computing the resulting tie to SE Cor. Sec. 30. However, I seem to recall that part of Lot 7, and possibly Lot 12 may have been privately owned. The tie should be sufficiently accurate to prevent conflict with private interests, if any.

There is also some question as to the extent of development for which water should be appropriated. From the data in the attached docket, not over 10,000 or 15,000 gallons per day is now used, and there are apparently pit toilets. The draft of the application provides for a possible modernization and enlargement to use an ultimate of about 32,850 gallons per year with flush toilets. The application can be simplified if the present development is also the ultimate, but we should be sure to claim enough water for any ultimate, and Mr. Mott should give a better description of the ultimate development than I have offered, if there is to be expansion.

Mr. Mott should also prepare the notices and applications for use of the Pat's Hole and Ladore Wells, but there is less need to rush the matter. We do not need to assign well numbers, because they will be identified by the numbers assigned by the Colorado Division of Water Resources. Mr. Mott should need no further assistance from here for the procedure to follow in the Colorado filings, but we should like to see the applications for use of groundwater before they are filed.

The portion of Drawing 3108-A at bottom of Docket No. 3 for the Pat's Hole Well indicates that we should indicate that the groundwater is probably the subsurface flow of the Green River. I suggest an interlinear statement to that effect, just below the quantity of water to be claimed on the Application for Use of Ground Water. I also think it will be desirable to show distance from river to well and relative elevations on the sketches on Forms for both Registration of Well and Application for Use of Ground Water.

The table of contents for Docket No. 2, Ladore Well, calls for drawing similar to those we have prepared from 3108-A. Mr. Mott may find it sufficient to give the data on the small sketches on the state forms.

Tie to section corner, distance from river, and relative elevations of water in the well and river, are not needed for filing, but they would help in defining the nature of the claim. They will also be needed if, or when the rights are adjudicated.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachments: 4
Copy to: / Superintendent, Dinosaur, with 3 docket folders
✓ Chief, WDC, with 3 docket folders

8-3-90

orig. of Memo filed

Has this been cleared up?

L 26

January 14, 1959

Memorandum

To: Regional Director, Region Two
From: Acting Supervisory Engineer, WRO
Subject: Land Ties for Applications 26523 and 26635 for Water Rights to Well Water, Spirit Mountain Gorge Campgrounds, Inset 4, Lincoln National Monument

As requested in Mr. Holt's memorandum of January 8 to this office on the subject, there are attached three prints of Aerial No. 26-212-2107-4, Water Well Location, Lincoln National Monument. Three copies of Mr. Gresham's field notes, copies from Page 22 of Lincoln National Monument Field Book No. 46, are also attached for Mr. Holt's use.

(Signed)

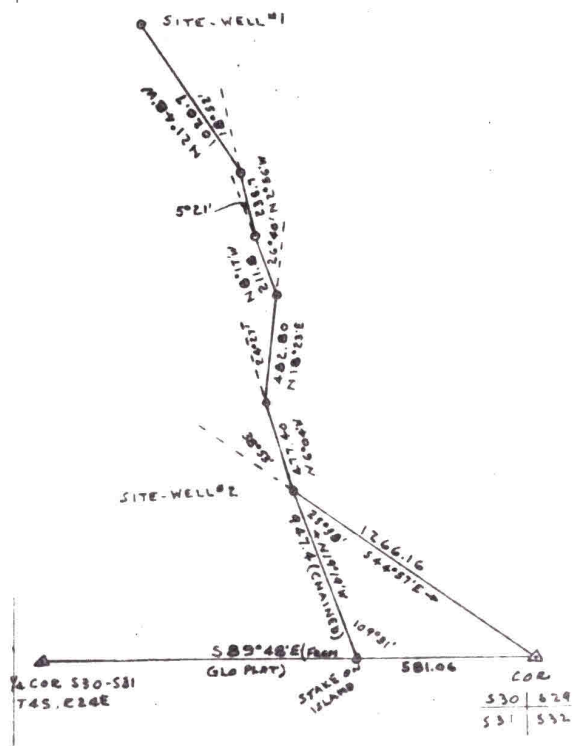
Richard T. Montgomery
Acting Supervisory Engineer

In duplicate ✓

Attachments

Copy to: Chief, WRO
Chief, Water Resources, WRO
Capt., Lincoln NM

(NOTE:
LEFT & RIGHT HAND PAGES (22)
OF DINOSAUR N.M. FIELD BOOK No. 6-A.)



Number of Documents in Docket	36		
Documents Dated from	8/10/1955	to	5/11/1959
Docket Compiled:	3/9/2011		