



## Rocky Mountain National Park

Docket Number: 32

KAWUNEECHE VISITOR CENTER WELL (AKA HARBISON RANCH WELL)

Preliminary Docket Information

# DOCKET INFORMATION FORM

Compiled by: Alexa Kreiling Date: 6/25/2024  
 Initial Docket Information Form ☒ Amendment #          (1,2,3 ...)  
 Includes Confidential Content ☐

Park Unit: ROMO Docket #: 32 Docket Title Kawuneeche Visitor Center Well (AKA Harbison Ranch Well)

## Docket Type:

Select all applicable: ☐ PC/V (pre-code/vested) ☒ APP (appropriate) ☐ RIP (riparian)  
☐ FRR (federal reserved right) ☐ PWR (public water reserve) ☐ ACQ (acquired)  
☐ GW (groundwater) ☐ Own (ownership) ☐ Other         

## Region:

☐ NER & NCR ☒ IMR  
☐ SER ☐ MWR  
☐ IMR ☐ PWR  
☐ AKR

## Source:

☒ Groundwater ☐ Spring (When recognized by the State as separate from groundwater and surface water)  
☐ Surface Water  
☐ Direct Diversion ☐ Diversion to Storage ☐ Instream Flow  
 Name: Kawuneeche Visitor Center Well

State: CO  
 County: Grand

Owner: U.S. National Park Service (As listed by the State)

Application #: 9673 Date: 8/6/1985

Permit #: 31207-F Date Issued:         

License / Certificate #: 1064 Priority Date:         

Ruling/Order/Decree #:          Date Issued:         

Quantity: Rate: 8.2 Duty:           
 Units: ☐ cfs ☐ gpm ☒ afy ☐ other          Units: ☐ cfs ☐ gpm ☐ afy ☐ other         

Use(s): ☒ Domestic ☐ Livestock ☐ Irrigation ☐ Municipal ☒ Industrial/Commercial ☐ Wildlife ☐ Instream ☒ other Recreation

POD Name / Location:          ☐ Multiple PODs (see water right)

Qtr: NW Qtr: NW Sec: 31 T: 4 N R: 75 W PM: 6th

Latitude: 40.268772 Longitude: -105.839132

UTM 428654.0 , 4457925.7 Datum:         

POU Name / Location:          ☐ Multiple POU's (see water right)

Qtr:          Qtr:          Sec:          T:          R:          PM:         

Latitude:          Longitude:         

UTM          ,          Datum:         

Narrative / Remarks:          Enter short narrative in the space below, attach additional page(s) as needed.

-ROMO Dockets 66 and 67 were combined into this docket and cancelled because of redundancy.

-Permit is in good standing.

02 STATE

Rocky Mountain National Park

KAWUNEECHE VISITOR CENTER WELL (AKA HARBISON RANCH WELL)

State Water Rights Documentation

RICHARD D. LAMM  
Governor



JERIS A. DANIELSON  
State Engineer

**OFFICE OF THE STATE ENGINEER**  
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818  
Denver, Colorado 80203  
(303) 866-3581

January 23, 1986

National Park Service  
Water Resources  
301 S. Howes St., Room 343  
Ft. Collins, CO 80521

Attention: Pat Larson

RE: Well Permit <sup>9673</sup>~~9763~~ - Kawuneeche Visitors Center *per Ron Hermance*

Dear Ms. Larson:

Our records indicate that a verbal approval to construct a replacement well was given to your driller. A permit from this office is required to construct a new and/or replacement well. Your replacement application was returned for additional information. Action on this application has been delayed pending response. If the requested information is not submitted to this office within twenty (20) days we will assume that you do not intend to pursue this matter.

Since the replacement well has been constructed and a permit has not been issued by this office, any use of the well may be illegal and orders to plug and abandon the well may be issued. You may correct this situation by resubmitting your corrected application. After a permit is approved you must file a Statement of Beneficial Use and a Well Abandonment Affidavit.

You may contact Betty Dyce of this office if you have any questions concerning this matter.

Sincerely,

Steve Lautenschlager  
Water Resource Engineer  
Ground Water Section

SPL:BJD:mds

cc: Division 5

61631

*2/4/86 - Spoke with John Bilisoly re: 20 days, agreed to allow 20 days from today, the day we received the letter. sml*

*2/11/86*

*Ron Hermance assured me he was working on this issue and there is a typo on this letter so this does refer to the same well he's working on.*

*3/4/86 talked with Ron Hermance.*

*He's completed the permit application with requested info and sent it to the State Engineer's office. I requested a copy for our files. sml*

**L54 (RMR-MR)**

**FEB 11 1986**

**Mr. Reiner Haubold  
Office of the Colorado  
State Engineer  
Division of Water Resources  
1313 Sherman Street, Room 818  
Denver, Colorado 80203**

**Dear Mr. Haubold:**

**Enclosed is a completed Permit Application form for a water well located in Rocky Mountain National Park, with the requested corrections and supplemental data. Also enclosed is a copy of the driller's well completion report and a purchase order for the \$25 filing fee.**

**Please call Ron Hermance at 236-8645 if you have any questions concerning the application form.**

**Sincerely,**

**(Sgd) Homer L. Rouse**

**Associate Regional Director, Park Operations  
Rocky Mountain Region**

**Enclosures**

**cc:  
West Unit Manager, Rocky Mountain National Park**

**bcc:  
RMR-MR, Hermance w/c enc.  
RMR-MR, File Copy w/c enc.**

**RHermance:11c:2/6/86:776-8645**

WRJ-Rev. 76

**CC RADO DIVISION OF WATER RESOL ES**  
**818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203**

**RECEIVED****AUG - 6 1985**

**WATER RESOURCES  
STATE - ENGINEER  
COLO.**

**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

( ) A PERMIT TO USE GROUND WATER  
 ( ) A PERMIT TO CONSTRUCT A WELL  
 FOR: ( ) A PERMIT TO INSTALL A PUMP

(X) REPLACEMENT FOR NO. 9523 9673 **REH**  
 ( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

**(1) APPLICANT - mailing address**

National Park Service

NAME Rocky Mountain Regional OfficeSTREET 655 Parfet St., P.O. Box 25287CITY Denver CO 80225  
(State) (Zip)TELEPHONE NO. (303) 236-8745 8645**(2) LOCATION OF PROPOSED WELL**County GrandNW  $\frac{1}{4}$  of the NW  $\frac{1}{4}$ , Section 31Twp. 4 N, Rng. 75 W, 6th P.M.  
(N.S) (E.W)**(3) WATER USE AND WELL DATA**Proposed maximum pumping rate (gpm) 70 gpmAverage annual amount of ground water to be appropriated (acre-feet): 8.2 A.F.Number of acres to be irrigated: 0Proposed total depth (feet): 150

Aquifer ground water is to be obtained from:

Owner's well designation NPS Kawuneeche VisitorCenter Well**GROUND WATER TO BE USED FOR:**

- (X) HOUSEHOLD USE ONLY - no irrigation (0)  
 ( ) DOMESTIC (1) ( ) INDUSTRIAL (5)  
 ( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
 ( ) COMMERCIAL (4) ( ) MUNICIPAL (8)

(X) OTHER (9) Recreation

DETAIL THE USE ON BACK IN (11)

**(4) DRILLER**Name D.D. MacPhersonStreet P.O. Box 378City Empire CO 80438  
(State) (Zip)Telephone No. 534-4219 Lic. No. 1064

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. \_\_\_\_\_ / **10645**

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

**APPLICATION APPROVED**

PERMIT NUMBER \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

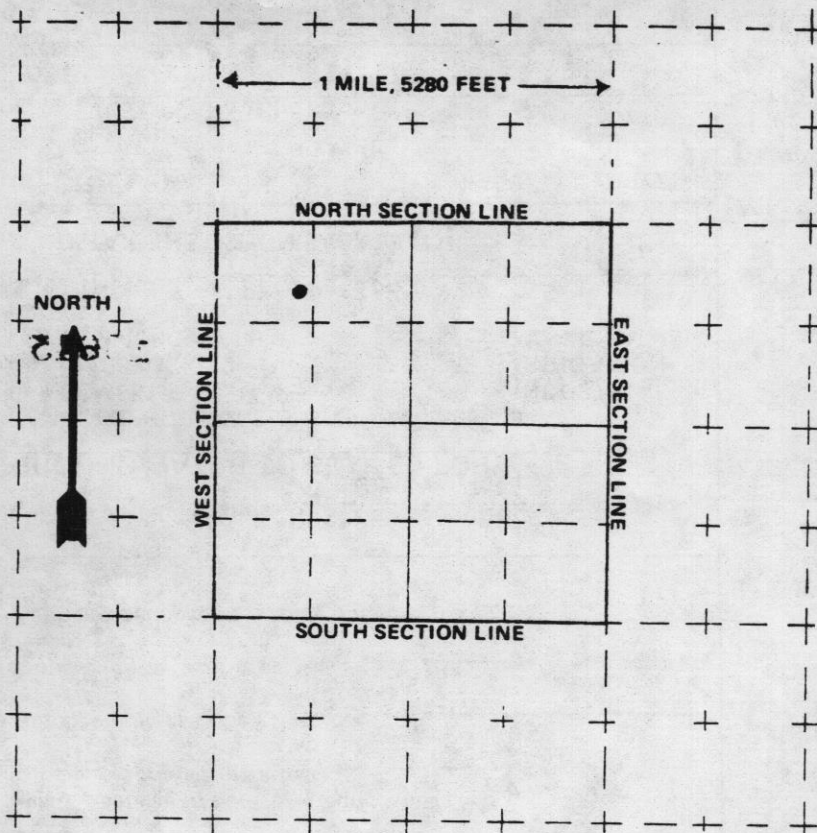
EXPIRATION DATE \_\_\_\_\_

(STATE ENGINEER)

BY \_\_\_\_\_

I.D. 5-51 COUNTY 25

(5) **THE LOCATION OF THE PROPOSED WELL** and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) ... 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot ... 43,560 cubic feet ... 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) **THE WELL MUST BE LOCATED BELOW** by distances from section lines.

850 ft. from North sec. line  
(north or south)

1,150 ft. from West sec. line  
(east or west)

LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING # \_\_\_\_\_

SUBDIVISION \_\_\_\_\_

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: United States of America

No. of acres \_\_\_\_\_ Will this be  
the only well on this tract? No

(8) **PROPOSED CASING PROGRAM**

Plain Casing

6 in. from 0 ft. to 135 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforated casing

6 in. from 135 ft. to 150 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) **FOR REPLACEMENT WELLS** give distance and direction from old well and plans for plugging it:  
(#9673) RCH

Old well (#9523) caved in and abandoned.

Proposed new well will be 30'

Northwest of the old well.

(10) **LAND ON WHICH GROUND WATER WILL BE USED:**

Owner(s): \_\_\_\_\_ No. of acres: \_\_\_\_\_

Legal description: \_\_\_\_\_

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

Visitor Center with two public restrooms with two fixtures each, an office building, utility building, ~~four~~ <sup>FIVE</sup> residences (two with 1-1/2 baths), ~~11~~ <sup>12</sup> trailers for seasonal quarters and an entrance station.

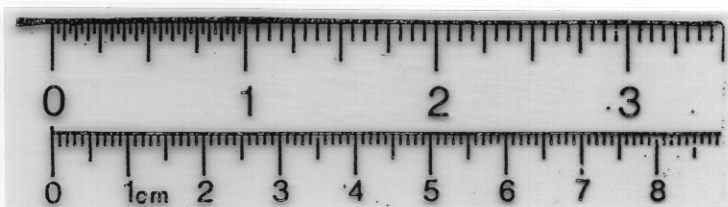
(12) **OTHER WATER RIGHTS** used on this land, including wells. Give Registration and Water Court Case Numbers.

| Type or right | Used for (purpose) | Description of land on which used |
|---------------|--------------------|-----------------------------------|
|               |                    |                                   |
|               |                    |                                   |

(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

Richard W. Kitcham Acting Chief, Water REsources Division  
SIGNATURE OF APPLICANT(S)

Use additional sheets of paper if more space is required.



COLORADO DIVISION OF WATER RESOURCES  
818 Centennial Building, 13 Sherman Street  
Denver, Colorado 80203

FROM: MEL MALLEY  
DATE: 8-28-85  
PHONE: (303) 866-3587

APPLICANT ☒ WELL DRILLER ( ) AGENT ( ) ATTORNEY ( )

RE: Well Permit Application

Receipt No. 10645

Your application for a well permit is being returned for the reason(s) indicated below. The additional data and corrections which we are requesting will aid us in evaluating your application. Prompt completion or correction of ALL items checked and the immediate return of the application to this office will expedite its processing. Please make corrections on the application, NOT on this flyer. Thank you for your attention.

~~PLEASE MAKE CHANGES PLEASE~~

- Item Nos. ☒ Statute requires a \$25.00 fee for this application. Please return the application with required fee.
- 2 ( ) The well location must be designated by the county and the 1/4 of 1/4, Section, Township, Range and P.M.
- 2,6,10 ( ) The 1/4 of 1/4 section (Item 2) does not agree with distances from section lines (Item 6). Distances place well in \_\_\_\_ 1/4 of \_\_\_\_ 1/4.
- 3,11 ( ) For a HOUSEHOLD USE ONLY WELL, no irrigation of lawns or gardens or stock watering can be permitted.
- 3,11 ( ) For a DOMESTIC WELL, no more than one (1) acre of lawn or gardens can be irrigated (Item 3).
- 3 ( ) Please indicate the proposed total depth.
- 3 ( ) If this well is to be used for HOUSEHOLD PURPOSES ONLY, with no lawn or garden watering, please indicate on the application under "Ground Water to be Used For." Do not indicate HOUSEHOLD USE ONLY and DOMESTIC as they are different.
- 6 ( ) Distances from section lines must be shown.
- 8 ( ) The proposed casing program must be completed.
- 9 ( ) The existing well must be plugged and abandoned according to rules and regulations. Please include the distance and direction from the old well.
- 10 ( ) If this well is to be the only well on 35 acres or more, please describe the acreage on the back of the application in Item 10. PLEASE ATTACH FULL METES AND BOUNDS PROPERTY DESCRIPTION OR SURVEY.
- 11 ( ) Please indicate the specific use intended for the water, and the type of disposal system to be used, or a copy of the disposal permit.
- 12 ( ) Please describe other water rights on this land and their use.
- 13 ( ) Signature of applicant is required on application unless it is accompanied by a power of attorney.
- ( ) Please provide a copy of a tax receipt, a surveyor's plat or a warranty deed to show ownership of the property described in Items 6 and 10. This must give the date when the land was subdivided.

☒ Please complete Item(s) 12 and complete item 3 where checked

( ) Please complete the enclosed ownership affidavit in full and return it with your application.

☒ Other: permit 9523 was cancelled. The well is registered under number 9673. The number at the top of the application form should be changed to 9673. also change item 9.

## COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818

Denver, Colorado 80203

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER VERBAL

## NATIONAL PARK SERVICE

WELL OWNER Rocky Mountain Regional Office655 Parfet St., P. O. Box 25287ADDRESS Denver, CO 80225       % of the        % of Sec.       T.        , R.        ,        P.M.DATE COMPLETED August 14 , 19 85

## HOLE DIAMETER

8 in. from 0 to 114 ft.       in. from        to        ft.       in. from        to        ft.DRILLING METHOD Air RotaryCASING RECORD: Plain CasingSize 6 5/8 & kind Steel from 0 to 104 ft.Size        & kind        from        to        ft.Size        & kind        from        to        ft.

## Perforated Casing

Size 6 5/8 & kind Steel from 104 to 114 ft.Size        & kind        from        to        ft.Size        & kind        from        to        ft.

## GROUTING RECORD

Material CementIntervals 10' to 20'Placement Method PouredGRAVEL PACK: Size NoneInterval       

## TEST DATA

Date Tested August 14 , 19 85Static Water Level Prior to Test 28 ft.Type of Test Pump Air LiftLength of Test 4 HoursSustained Yield (Metered) 90 GPMFinal Pumping Water Level 113'

## WELL LOG

| From                    | To  | Type and Color of Material | Water Loc.      |
|-------------------------|-----|----------------------------|-----------------|
| 0                       | 114 | Boulders                   | 28<br>to<br>114 |
| TOTAL DEPTH <u>114'</u> |     |                            |                 |

Use additional pages necessary to complete log.

## PUMP INSTALLATION REPORT

Pump Make Pump to be installed by others.

Type \_\_\_\_\_

Powered by \_\_\_\_\_ HP \_\_\_\_\_

Pump Serial No. \_\_\_\_\_

Motor Serial No. \_\_\_\_\_

Date Installed \_\_\_\_\_

Pump Intake Depth \_\_\_\_\_

Remarks \_\_\_\_\_

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested \_\_\_\_\_

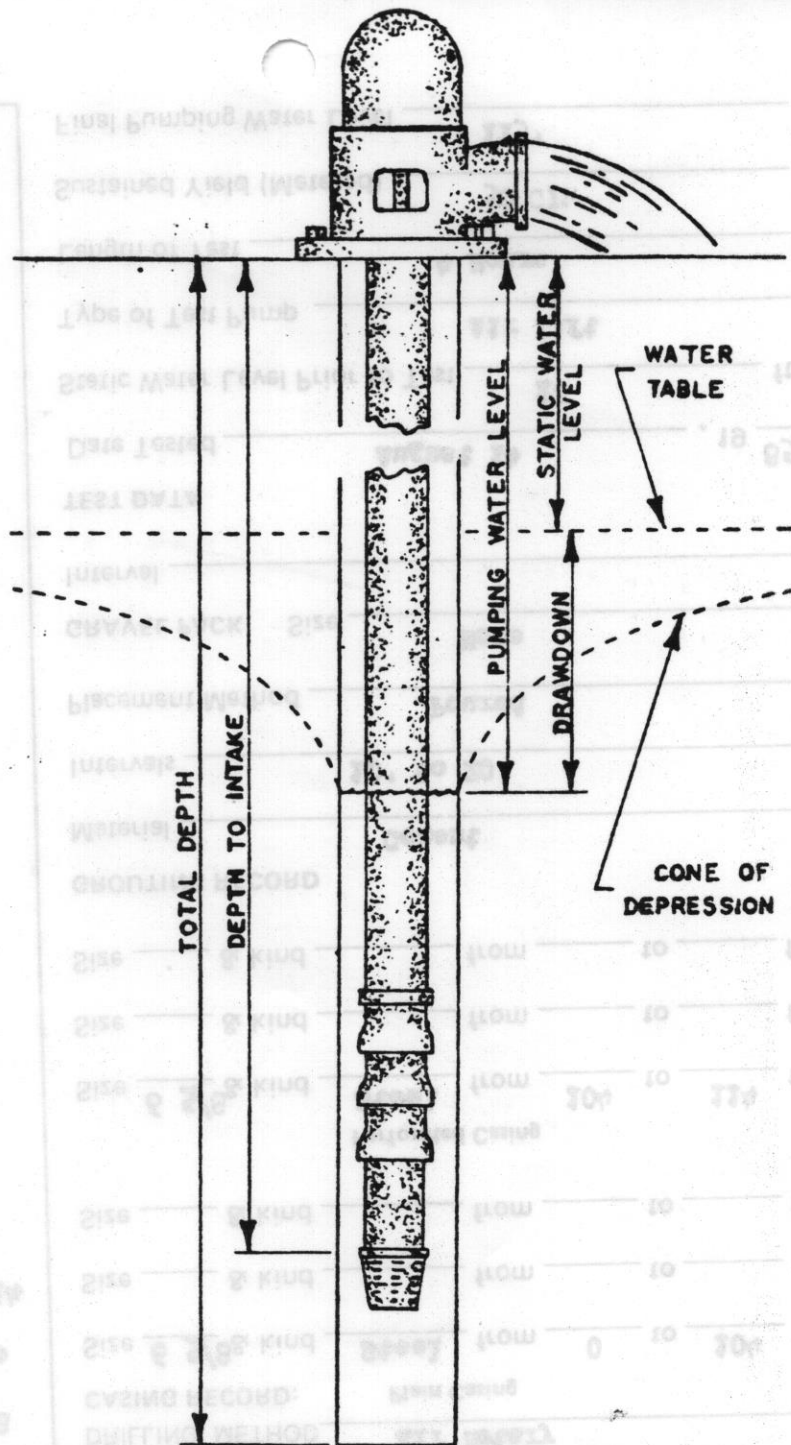
Static Water Level Prior to Test \_\_\_\_\_

Length of Test \_\_\_\_\_ Hours

Sustained yield (Metered) \_\_\_\_\_ GPM

Pumping Water Level \_\_\_\_\_

Remarks \_\_\_\_\_



## CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature

B. D. McPherson

License No.

1064

State of Colorado, County of

Clear Creek

SS

Subscribed and sworn to before me this 30 day of December, 19 85.

My Commission expires:

April 3, 19 88.

Notary Public

[Signature]

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

APPLICANT: NATIONAL PARK SERVICE  
ROCKY MOUNTAIN REGIONAL OFFICE

WELL PERMIT NO. 31207-F

CONDITIONS OF APPROVAL, CONTINUED:

NAME OF THE AQUIFER, AND COURT CASE NUMBERS. HE SHALL TAKE NECESSARY MEANS AND PRECAUTIONS TO PRESERVE THESE MARKINGS.

7) THIS WELL IS SUBJECT TO ADMINISTRATION BY THE DIVISION ENGINEER IN ACCORDANCE WITH APPLICABLE STATUTES.

8) THE ISSUANCE OF THIS PERMIT HEREBY CANCELS PERMIT NO. 9673. *2/17/86* *[Signature]*



# United States Department of the Interior

## NATIONAL PARK SERVICE

### ROCKY MOUNTAIN REGIONAL OFFICE

655 Parfet Street

P.O. Box 25287

Denver, Colorado 80225

IN REPLY REFER TO:

L54 (RMR-MR)

**RECEIVED**

**FEB 11 1986**

WATER RESOURCES  
STATE ENGINEER  
COLORADO

**FEB 11 1986**

Mr. Reiner Haubold  
Office of the Colorado  
State Engineer  
Division of Water Resources  
1313 Sherman Street, Room 818  
Denver, Colorado 80203

Dear Mr. Haubold:

Enclosed is a completed Permit Application form for a water well located in Rocky Mountain National Park, with the requested corrections and supplemental data. Also enclosed is a copy of the driller's well completion report and a purchase order for the \$25 filing fee.

Please call Ron Hermance at 236-8645 if you have any questions concerning the application form.

Sincerely,

*Homer L. Rouse*  
(Sgd) Homer L. Rouse

Associate Regional Director, Park Operations  
Rocky Mountain Region

Enclosures

cc:

West Unit Manager, Rocky Mountain National Park

RICHARD D. LAMM  
Governor



JERIS A. DANIELSON  
State Engineer

**OFFICE OF THE STATE ENGINEER**  
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818  
Denver, Colorado 80203  
(303) 866-3581

January 23, 1986

National Park Service  
Water Resources  
301 S. Howes St., Room 343  
Ft. Collins, CO 80521

Attention: Pat Larson

RE: Well Permit 9763 - Kawuneeche Visitors Center

Dear Ms. Larson:

Our records indicate that a verbal approval to construct a replacement well was given to your driller. A permit from this office is required to construct a new and/or replacement well. Your replacement application was returned for additional information. Action on this application has been delayed pending response. If the requested information is not submitted to this office within twenty (20) days we will assume that you do not intend to pursue this matter.

Since the replacement well has been constructed and a permit has not been issued by this office, any use of the well may be illegal and orders to plug and abandon the well may be issued. You may correct this situation by resubmitting your corrected application. After a permit is approved you must file a Statement of Beneficial Use and a Well Abandonment Affidavit.

You may contact Betty Dyce of this office if you have any questions concerning this matter.

Sincerely,

Steve Lautenschlager  
Water Resource Engineer  
Ground Water Section

SPL:BJD:mds

cc: Division 5

61631

NOTE: Ms. Pat Larson called this Office on 2-4-86 with concern that since they didn't receive our letter until today, they wouldn't be able to respond within 20 days of date of letter. Letter doesn't say when 20 days starts so I told her 20 days from today. John B. 2/4/86

RICHARD D. LAMM  
Governor



JERIS A. DANIELSON  
State Engineer

**OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES**

1313 Sherman Street-Room 818  
Denver, Colorado 80203  
(303) 866-3581

November 7, 1985

National Park Service  
Rocky Mountain Regional Office  
655 Parfet St., P.O. Box 25287  
Denver, CO 80225

Dear Sirs:

Our records indicate that a verbal approval to construct a replacement well was given to your driller. A permit from this office is required to construct a new and/or replacement well. Your replacement application was returned for additional information on August 28, 1985. Action on this application has been delayed pending response. If the requested information is not submitted to this office within twenty (20) days we will assume that you do not intend to pursue this matter.

If a replacement well has been constructed and a permit has not been issued by this office, any use of the well will be illegal and the well must be plugged and abandoned. You may correct this situation by resubmitting your corrected application. Once the permit is approved we must have a well completion report submitted by your driller and a statement of beneficial use and a well abandonment affidavit from you.

You may contact Mel Malley of this office if you have any questions concerning this matter.

Very truly yours,

Reiner G. Haubold  
Chief of Ground Water Operations  
Ground Water Section

RGH:MM:mds

## VERBAL AND REMARKS INFORMATION SHEET

|                                                                   |  |                                                                      |  |                                         |  |
|-------------------------------------------------------------------|--|----------------------------------------------------------------------|--|-----------------------------------------|--|
| Initial Permit No.                                                |  | REQUEST FOR VERBAL APPROVAL                                          |  | Date verbal approval given:             |  |
| Final Permit No.                                                  |  |                                                                      |  |                                         |  |
| Owner <i>Nat'l Park Sew</i>                                       |  | Driller <i>Mac Cheson</i>                                            |  | Location                                |  |
| Address:                                                          |  | Lic. No.                                                             |  | County:                                 |  |
|                                                                   |  | Phone                                                                |  | Sec. _____ Twp. _____ Rng. _____        |  |
|                                                                   |  | New <input type="checkbox"/> Repl. <input type="checkbox"/>          |  | _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ |  |
|                                                                   |  | Permit No. _____                                                     |  |                                         |  |
| Phone                                                             |  | Alt. Ft. Div. <input type="checkbox"/> T.H. <input type="checkbox"/> |  | Distances from Sec. Lines               |  |
| Approved Yes <input type="checkbox"/> No <input type="checkbox"/> |  | Proposed Depth:                                                      |  | Casing: Plain: _____                    |  |
| By:                                                               |  | Date of Construction                                                 |  | Perf: _____                             |  |
| ID _____                                                          |  | County _____                                                         |  | Subdivision _____                       |  |

| Date      | Initial       | Contact and Number | REMARKS                                                                                                                                                            |
|-----------|---------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7/85      | BJ            | Shin 5-            | 8:45 } Orlyan and Al Cresse<br>1:40 } back out                                                                                                                     |
|           |               | J. Napton          | 8:24 } hat in - left two<br>1:15 } Messages<br>Reimer also called<br>Napton & left message<br>this A.M.                                                            |
| 7 July 85 | Orlyan        |                    | advised of verbal request. If non-exempt must have app. plan. Have question on reserved rights. Has no problem w/ replacement - Need more work on application. RPH |
| 8 July 85 | Ben McPherson |                    | - gave OK to drill RPH                                                                                                                                             |

| Date | Initial | Contact and Number | REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|---------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8/85 | AD      | Jim Napton         | 5 homes (8 bachs) 17 residents<br>14 Trailers - 14 bachs 30 residents<br>Maintenance Bldg. (1 bathroom)<br>Visitors Center - 6 empl / 55 summer empl.<br>2 indoor Bathrooms / 2 outdoor<br>645 people per day / June thru Aug.<br>300 " per day / Sept thru Nov.<br>25 people now / Apr.<br>8 perm empl. / 20 summer empl.<br><br>If accommodation is necessary<br>they have plenty of surplus<br>rights.<br>Will put on 1/2 day mts<br>and send monthly reports<br>to Jim.<br>Move 100' |

07 OTHER

Rocky Mountain National Park

KAWUNEECHE VISITOR CENTER WELL (AKA HARBISON RANCH WELL)

Other Supporting Information



IN REPLY REFER TO

## United States Department of the Interior

### NATIONAL PARK SERVICE

Water Resources Division  
1201 Oakridge Drive, Suite 250  
Ft. Collins, Colorado 80525

TAKE  
PRIDE IN  
AMERICA

**RECEIVED**  
JAN 04 1993

L54(479)  
ROMO/General

### Memorandum

To: Regional Director, Rocky Mountain Regional Office  
From: *for* Acting Chief, Water Resources Division  
Subject: Trip Report for Travel by William Werrell to Rocky Mountain National Park, October 22, 1992

The attached trip report by William Werrell describes his recent trip to Rocky Mountain National Park (ROMO). The purpose of the trip was to provide ground water expertise to the dual issue at Kawuneeche Housing Area which includes drilling of a standby production well and addressing concerns of private parties regarding National Park Service ground water withdrawal. The trip report also recommends a study, including well drilling, to meet these needs.

If you have any questions, or if we can assist you further, please call Bill Jackson at (303) 225-3503 or William Werrell at (303) 225-3521.

Attachment

cc: ROMO - Superintendent, Ihost, Czarnowski  
479 - Kimball, Jackson, Williams  
RMR - Wise



IN REPLY REFER TO:

## United States Department of the Interior

### NATIONAL PARK SERVICE

Water Resources Division  
1201 Oakridge Drive, Suite 250  
Ft. Collins, Colorado 80525

December 28, 1992

TAKE  
PRIDE IN  
AMERICA

L54(479)  
ROMO/General

#### Memorandum

To: Chief, Water Operations Branch

Thru: Chief, Water Operations Branch *WS*

From: William Werrell, Hydrologist, Water Operations Branch

Subject: Trip Report for Travel to Rocky Mountain National Park, October 22, 1992

PURPOSE: The trip was made to provide technical assistance in determining the location of a new standby production well and in designing a study to define the impacts of well pumping on ground water tables.

ITINERARY: Departed Fort Collins on October 22 and returned the same day.

CONTACTS: Craig Melvin, Architect  
Ken Czarnowski, Hydrologist

DISCUSSION: Craig Melvin and I inspected the present production well at the Kawuneeche Housing Area. No data (depth, yield, etc.) on the well were available. Park plans are to enlarge the housing at this area which prompts the need for a standby well. Further, private property exists about 0.25 miles to the west and owners have expressed concern that their ground water supplies might be impacted by increased National Park Service (NPS) pumping.

The site of the well is on a valley flat associated with the Colorado River. An extensive meadow lies to the north of the site. No formation outcrops were seen in the general area. Colorado River flow is the likely source of groundwater recharge to the site.

At park headquarters I met with Ken Czarnowski. We discussed the issue at Kawuneeche and he stated that housing to the north (up the valley) was to be vacated and relocated at Kawuneeche. Further, proper water rights action would be taken to accommodate this move of water location. Thus the actual amount of water used by NPS within the valley would remain the same. He will acquire and forward to me all available well data.

I propose the following procedures in meeting the goals of this issue:

First, the site for drilling two observation wells will be selected. I recommend that the first well be drilled about 20 feet to the west of the production well, and the second drilled about 120 feet further to the west (observation wells would contain 4 inch diameter PVC casing). An aquifer test, using the existing production well, would then be conducted and data analyzed.

Second, based on the results of the aquifer test, the location of the standby well would be determined so that only minor draw down in the standby well would occur under normal pumping of the production well. The new standby well would then be drilled under specifications for a potable water supply well. A second aquifer test would then be conducted, while concurrently acquiring water levels in all of the new wells.

Third, a pump would be placed in the standby well and a final aquifer test conducted using the other wells as monitoring wells. This assumes that water levels can be obtained from the present production well, which may not be true due to the small diameter of the casing.

This process would: (1) allow placement of the standby well such that "well interference" would be minimal, if it were ever necessary to pump both wells at the same time, (2) provide actual cone of depression definition from field data, and (3) allow verification of the data by altering the pumped well.

I speculate that the cone of depression will extend on the order of 100 to 200 yards, far short of impact to private parties. However, from the standpoint of a private party, there can be no substitute for a report of the aquifer test(s) presenting actual field data and analysis.

It should be expected that some "glacial flour" (very fine silt) will be present in the alluvium. This material restricts alluvial water flow, causing greater well drawdowns (reduced well yield) than can be expected in nonglaciaded areas. However, since the present well has adequate yield for our purposes, the standby well is expected to be successful in potentially doubling our present quantity.

Further Water Resources Division assistance can be provided upon request and is offered in supervising the aquifer test(s), analyzing the test data, and preparing suggestions for standby well drilling specifications.

*William W. Weller*

**NATIONAL PARK SERVICE**

**Water Resources**

301 South Howes St., Room 343  
Ft. Collins, Colorado 80521

8/5/85

Enclosed is an application for a well permit for a replacement well for Kawuneeche Visitor Center, Rocky Mountain Nat'l Park.

apparently, the original well caved in and the area is in desperate need of water.

The NPS Rocky Mountain Regional office staff asked us to submit this application because the man who usually prepares the requests is not in the office this week.

If you have any questions or you need more information, please call me at (303) 221-5341 in Fort Collins.

Thank you.

Pat Lawson  
Project Assistant  
Water Rights Branch

**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

ROMO Docket 47

# PERMIT APPLICATION FORM

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

( ) A PERMIT TO USE GROUND WATER  
( ) A PERMIT TO CONSTRUCT A WELL  
FOR: ( ) A PERMIT TO INSTALL A PUMP

( X ) REPLACEMENT FOR NO. 9523

( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

(1) APPLICANT - mailing address

NATIONAL PARK SERVICE  
NAME Rocky Mountain Regional Office

STREET 655 Parfet St., P.O. Box 25287

CITY Denver CO 80225  
(State) (Zip)

TELEPHONE NO. (303) 236-8743

(2) LOCATION OF PROPOSED WELL

County Grand

    NW     ¼ of the     NW     ¼, Section     31    

Twp. 4 N, Rng. 75 W, 6th P.M.  
(N,S) (E,W)

### (3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 70 gpm

Average annual amount of ground water  
to be appropriated (acre-feet): \_\_\_\_\_

Number of acres to be irrigated: 0

Proposed total depth (feet): 150

Aquifer ground water is to be obtained from:

Owner's well designation NPS Kawuneeche Visitor

GROUND WATER TO BE USED FOR: Center Well

( ☒ ) HOUSEHOLD USE ONLY - no irrigation (0)  
 ( ) DOMESTIC (1) ( ) INDUSTRIAL (5)  
 ( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
 ( ) COMMERCIAL (4) ( ) MUNICIPAL (8)

(X ) OTHER (9) Recreation

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name D.D. MacPherson

Street P.O. Box 378

City \_\_\_\_\_ Empire \_\_\_\_\_ CO \_\_\_\_\_ 80438  
(State) (Zip)

Telephone No. 534-4219 Lic. No. 1064

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. \_\_\_\_\_ / \_\_\_\_\_

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

### CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

APPLICATION APPROVED

PERMIT NUMBER \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

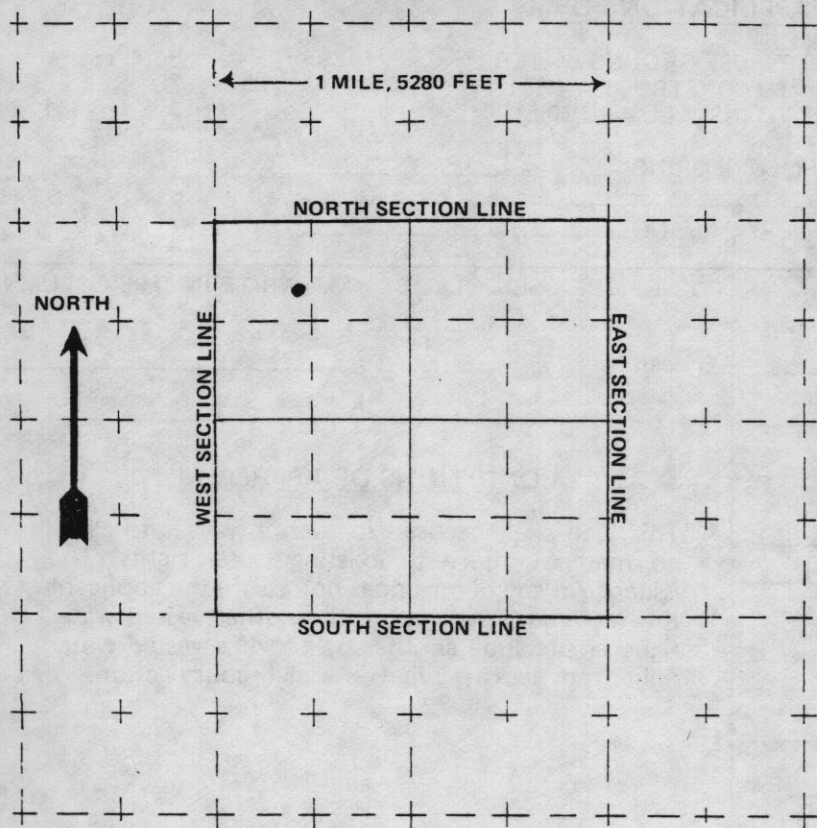
EXPIRATION DATE \_\_\_\_\_

(STATE ENGINEER)

BY \_\_\_\_\_

I.D. \_\_\_\_\_ COUNTY \_\_\_\_\_

(5) **THE LOCATION OF THE PROPOSED WELL** and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) **THE WELL MUST BE LOCATED BELOW** by distances from section lines.

850 ft. from North sec. line  
(north or south)

1,150 ft. from West sec. line  
(east or west)

LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING # \_\_\_\_\_

SUBDIVISION \_\_\_\_\_

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: United States of America

No. of acres \_\_\_\_\_ Will this be  
the only well on this tract? No

(8) **PROPOSED CASING PROGRAM**

Plain Casing

6 in. from 0 ft. to 135 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforated casing

6 in. from 135 ft. to 150 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) **FOR REPLACEMENT WELLS** give distance and direction from old well and plans for plugging it:

Old well (#9523) caved in and abandoned.

Proposed new well will be 30'

Northwest of the old well.

(10) **LAND ON WHICH GROUND WATER WILL BE USED:**

Owner(s): \_\_\_\_\_ No. of acres: \_\_\_\_\_

Legal description: \_\_\_\_\_

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

Visitor Center with two public restrooms with two fixtures each, an office building, utility building, four residences (two with 1-1/2 baths), 11 trailers for seasonal quarters and an entrance station.

(12) **OTHER WATER RIGHTS** used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right

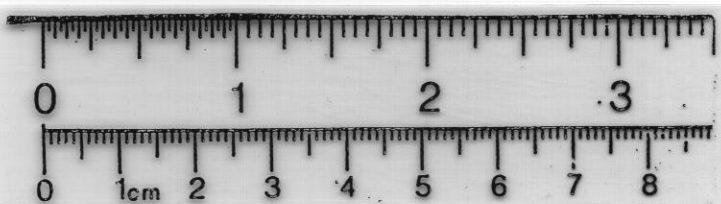
Used for (purpose)

Description of land on which used

(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

Richard W. Ketchum Acting Chief, Water REsources Division  
SIGNATURE OF APPLICANT(S)

Use additional sheets of paper if more space is required.



## NATIONAL PARK SERVICE

~~Western Regional Office~~

WRD

## MESSAGE RECORD

WR-8

(3/75)

Subject: Romo  
Replacement well

Date 7-31

Routed for: ☐ Information  
☐ Central File  
☒ Action

☒ Incoming Call☐ Outgoing Call

To: Pat Larson  
Stan Ponce

Name and Title Ron CottonRepresenting Romo chief of maintenance Telephone No. 586-2321Address HeadquartersNPS Personnel in on Call Rick Inglis  
[kawuneechee?]

Conversation: ~~A~~ Kawuneechee well (being developed this year) caved in and cannot be rebuilt. A new well is proposed (Kawuneechee #2) 30ft. away to the <sup>same</sup> depth and specifications and casing to the bottom. The park needs to drill this week because they have no water and the driller is still on site. (I assume this) This well will supply a visitor center with public rest rooms w/ 2 fixtures each, an office building, utility building, 4 permanent residences (2 w/ 1/2 baths), 11 trailers and an entrance station. Well specs are 6" casing, 150' depth casing to the bottom, 10'-15' well screen and a submersible pump.

Follow-up Action to be Taken: Ron Hermance in AL. we need to file the permit ourselves.

Follow-up Action Taken:

Docket Information

Number of Documents in Docket : 19

Documents Dated from : 00-00-1985 to 06-25-2024

Docket Compiled: 6/26/2024