



WATER-RIGHT DOCKET

Great Sand Dunes National Monument

Docket No: 2

WELL #2. PINYON FLAT CAMPGROUND

State Water Rights Documentation

00-00-0000: district court, water division no. 3, state of colorado: case no. 81cw161; findings of fact, conclusions of law and decree

COPY

JUL 5 - 1989
DISTRICT COURT, WATER DIVISION NO. 3, STATE OF COLORADO

*Filed in District Court
Water Division No. 3, Colorado*

CASE NO. 81CW161

*Carol S. Rodding
Clerk Of The Water Court*

FINDINGS OF FACT, CONCLUSIONS OF LAW AND DECREE

CONCERNING THE APPLICATION FOR WATER RIGHTS OF THE UNITED STATES
OF AMERICA IN ALAMOSA COUNTY.

THIS MATTER comes before the court for entry of Findings of Fact, Conclusions of Law and Decree, the parties having consented thereto. The court, having examined the records and files herein, and being now fully and sufficiently advised in the premises, hereby makes the following Findings of Fact, Conclusions of Law and Decree:

FINDINGS OF FACT

1. The United States of America was joined as a party in Water Division No. 3 pursuant to the McCarran Amendment, 43 U.S.C. §666, in 1979.
2. The United States of America filed an application for water rights in December 20, 1979, styled a general application which was assigned Case No. 79CW85. Thereafter, on November 24, 1981, the United States filed this application for water rights at the Great Sand Dunes National Monument as an amendment to Case No. 79CW85 which was assigned Case No. 81CW161.

3. In this case, the Applicant claimed reserved rights in two wells totalling 40 gpm, located on reserved lands in the Great Sand Dunes National Monument, in Alamosa County, Colorado, within the watershed of the Rio Grande River. The priority date claimed for both wells is March 17, 1932, the date the land upon which the wells are located was reserved by Proclamation No. 1994, 47 Stat. 2506. The claim for GRSA Well No. 1 was for 30 gpm for domestic, public and irrigation and for GRSA Well No. 4 is for 10 gpm for municipal, domestic and irrigation.

4. GRSA Well No. 1 was used for domestic uses in government-owned quarters by National Park Service employees engaged in administration, interpretation and protection of the Great Sand Dunes National Monument, for maintenance of government-owned vehicles and equipment, and for domestic use by visitors in a picnic area. After this application was filed, the well was capped and its functions replaced by GRSA Well No. 3, decreed as an appropriative right in Case No. 81CW163. Accordingly, the United States does not seek a decree for GRSA Well No. 1 in this proceeding.

5. The following Objectors filed Statements of Opposition in Case No. 79CW85 but failed to file Supplemental Statements of Opposition in the captioned case:

Seamster Farms, Inc.
Avis Neal Roemer Trust

Homestake Mining Co.
Fullenwider Ranches, Inc.
/LD Ranch
Neil F. Seitz
Blue Pond and Associates
City and County of Denver
Adolph Coors Company
AZL Resources, Inc.
Hans G. Hardt
Rosie Hardt
Walter Mundorf
SLV Municipalities
City of Alamosa
Conejos Water Conservancy District

6. The following Objectors filed timely Statements of Opposition and/or Supplemental Statements of Opposition in the captioned case:

State of Colorado
Rio Grande Water Conservation District
Rio Grande Water Users Association, et al.

The time for filing Supplemental Statements of Opposition to the captioned case expired May 8, 1987, pursuant to the Referee's Order filed March 4, 1987.

7. The Great Sand Dunes National Monument was established pursuant to the Antiquities Act, 16 U.S.C. §431 by Proclamation No. 1994 of March 17, 1932, 47 Stat. 2506, "for the preservation of the great sand dunes and additional features of scenic, scientific, and educational interest." Two later proclamations also pertain to the Great Sand Dunes National Monument. Proclamation No. 2681, dated March 12, 1946, 60 Stat. 1339 and Proclamation No. 3138, dated June 7, 1956, 70 Stat. C31 confirmed

and redefined the boundaries of the Great Sand Dunes National Monument.

8. GRSA Well No. 4 and GRSA Well No. 2, decreed as an appropriative right in Case No. 81CW163, pump into a common tank. The tank supplies a campground used by visitors to the Great Sand Dunes National Monument, a trailer dump station, a drinking fountain at the amphitheater, and one staff residence.

9. All legal descriptions in this Findings of Fact, Conclusions of Law and Decree are with reference to the 6th Principal Meridian.

CONCLUSIONS OF LAW

10. All notices required by law for filing and publication of the application in the Resume of Water Division No. 3 have been fulfilled, and the court has jurisdiction over the subject matter and all parties whether or not they have appeared.

11. The primary purpose of the Great Sand Dunes National Monument is as stated in the March 17, 1932, proclamation, to wit: "preservation of the great sand dunes and additional objects of scenic, scientific, and educational interest."

12. The uses of GRSA Well No. 4 are necessary for the primary purpose of the reservation and the amount is no more than is necessary. Therefore, the United States reserved 10 gpm out of GRSA Well No. 4 with priority of March 17, 1932. Cappaert v. United States, 426 U.S. 128, 138 (1976); United States v. Denver, 656 P.2d 1, __ (Colo. 1982).

13. This court has previously ruled that applications filed as amendments to Case No. 79CW85 prior to March 31, 1982, relate back to Case No. 79CW85. See, this court's Orders dated December 31, 1981, and June 9, 1988, Case No. 79CW85. The application in this case is within the terms of those Orders and is a clarifying amendment to the application filed by the United States in Case No. 79CW85, and the United States is, therefore, entitled to antedate priorities subsequent to March 17, 1932. United States v. Bell, 724 P.2d 631, 645 (Colo. 1986).

14. The United States has demonstrated its entitlement to this decree as a matter of law.

DECREE

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED THAT:

1. The Findings of Fact and Conclusions of Law contained herein are incorporated by reference and made a part of this Decree.

2. The United States of America is entitled to reserved water rights with a priority date of March 17, 1932, to a well in Alamosa County, State of Colorado, as set forth below:

Legal description:	SE1/4 NE1/4, Section 35, T. 26 S, R. 73 W. of the 6th P.M.
Name of well:	GRSA Well No. 4
Reg. No.:	None
Depth: 250 ft.	Pump: Submersible
Amount:	10 gpm
Uses:	Domestic

3. This judgment and decree and the judgment and decree in Case No. 81CW164 constitute the final adjudication of all claims of the United States for reserved rights for Great Sand Dunes National Monument pursuant to Proclamation No. 1994, 47 Stat. 2506; Proclamation No. 2681, 60 Stat. 1339; Proclamation No. 3138, 70 Stat. C31, and any act or acts of Congress approved prior to March 31, 1982.

4. The reserved right decreed herein is subject to administration by the State Engineer as is any other decree for the purposes decreed herein with a priority of March 17, 1932.

5. The Applicant shall install and maintain such water measurement devices, recording devices, content gauges and inlet and outlet measurement and recording devices, as the case may be, as are deemed essential by the Office of the State Engineer, and

the same shall be installed and operated in accordance with instructions from said Office.

6. IT IS FURTHER ORDERED that the Water Clerk shall mail copies of this Findings of Fact, Conclusions of Law and Decree as required by statute.

DATED AND ENTERED OF RECORD this 30th day of June,
1989
1988.

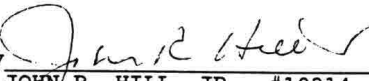
BY THE COURT:


ROBERT W. OGBURN, Judge
Water Division No. 3
State of Colorado

The undersigned agree to the entry of this decree.

DATE: 7 June 1989

MICHAEL J. NORTON
United States Attorney

By 
JOHN R. HILL, JR. #10214
Attorney
U. S. Department of Justice
Land and Natural Resources Div.
1961 Stout Street, Drawer 3607
Denver, CO 80294
(303) 844-2892

ATTORNEYS FOR APPLICANT
UNITED STATES OF AMERICA

DATED: 11-8-88

FOR THE ATTORNEY GENERAL

By Carol D. Angel
CAROL D. ANGEL #13123
Assistant Attorney General
Natural Resources Section
1525 Sherman Street, 3rd Floor
Denver, CO 80203
(303) 866-5114

DATED: 11-3-88

FOR OBJECTOR RIO GRANDE WATER
USERS ASSOCIATION

By Paula C. Phillips
PAULA C. PHILLIPS #8029
Carlson, Hammond & Paddock
2750 One United Bank Center
1700 Lincoln Street
Denver, CO 80203
(303) 861-9000

DATED: 10-31-88

FOR OBJECTOR RIO GRANDE WATER
CONSERVATION DISTRICT

By David W. Robbins
DAVID W. ROBBINS #6112
Hill & Robbins
1441 Eighteenth Street, Suite 100
Denver, CO 80202
(303) 296-8100

DISTRICT COURT, WATER DIVISION 3, STATE OF COLORADO

CASE NO. 81CW161

CERTIFICATE OF MAILING

I do hereby certify that on the 30th day of June, 1989
I personally deposited in the United States Mail, a signed copy of
the foregoing Findings of Fact, Conclusions of Law and Decree
in a sealed envelope bearing sufficient postage
properly addressed to:

Jeris A. Danielson
State Engineer
1313 Sherman Street
Denver, CO 80203

Steven E. Vandiver
Division Engineer
Water Division 3
P.O. Box 269
Alamosa, CO 81101

United States of America
c/o John R. Hill, Jr.
Dept. of Justice
Land & Natural Resources Div.
1961 Stout St., Drawer 3607
Denver, CO 80294

John R. Hill, Jr., Attorney
Department of Justice
Land & Natural Resources Sec.
1961 Stout St., Drawer 3607
Denver, CO 80294

State of Colorado
Dept. of Natural Resources
1525 Sherman St., 3rd Floor
Denver, CO 80203

Carol D. Angel
Assistant Attorney General
1525 Sherman St., 3rd Floor
Denver, CO 80203

Rio Grande Water Conservation District
10900 E. Hwy 160
Alamosa, CO 81101

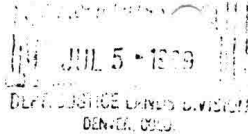
David W. Robbins
HILL & ROBBINS
1441 18th St., #100
Denver, CO 80202

Rio Grande Water Users Association
c/o John U. Carlson
CARLSON, HAMMOND & PADDOCK
1700 Lincoln St., Suite 3900
Denver, CO 80203

Paula C. Phillips
CARLSON, HAMMOND & PADDOCK
1700 Lincoln St., Suite 3900
Denver, CO 80203

By:  , Deputy
Carol S. Redding
Clerk of the Water Court
Water Division 3

COPY



*Filed in District Court
Water Division 3, Colorado*

JUN 29 1989

DISTRICT COURT, WATER DIVISION NO. 3, STATE OF COLORADO

CASE NO. 81CW163

*Curt S. Rothling
Clerk Of The Water Court*

FINDINGS OF FACT, CONCLUSIONS OF LAW AND DECREE

CONCERNING THE APPLICATION FOR WATER RIGHTS OF THE UNITED STATES
OF AMERICA IN ALAMOSA COUNTY.

THIS MATTER comes before the court for entry of Findings of Fact, Conclusions of Law and Decree, the parties having consented thereto. The court, having examined the records and files herein, and being now fully and sufficiently advised in the premises, hereby makes the following Findings of Fact, Conclusions of Law and Decree:

FINDINGS OF FACT

1. The United States of America was joined as a party in Water Division No. 3 pursuant to the McCarran Amendment, 43 U.S.C. §666, in 1979.
2. The United States of America filed an application for water rights in December 20, 1979, styled a general application which was assigned Case No. 79CW85. Thereafter, on November 24, 1981, the United States filed this application for water rights at the Great Sand Dunes National Monument as an amendment to Case No. 79CW85 which was assigned Case No. 81CW163.

3. In this case, the Applicant claimed rights in GRSA Well No. 2 to 30 gpm, for municipal use and in GRSA Well No. 3 to 25 gpm, for municipal and domestic use. The wells are located on reserved lands in the Great Sand Dunes National Monument, in Alamosa County, Colorado, within the watershed of Medano Creek. The priority date claimed for GRSA Well No. 2 is August 1, 1963, and the priority date for GRSA Well No. 3 is August 4, 1978.

4. The following Objectors filed Statements of Opposition in Case No. 79CW85 but failed to file Supplemental Statements of Opposition in the captioned case:

Seamster Farms, Inc.
Avis Neal Roemer Trust
Homestake Mining Co.
Fullenwider Ranches, Inc.
/LD Ranch
Neil F. Seitz
Blue Pond and Associates
City and County of Denver
Adolph Coors Company
AZL Resources, Inc.
Hans G. Hardt
Rosie Hardt
Walter Mundorf
SLV Municipalities
City of Alamosa
Conejos Water Conservancy District

5. The following Objectors filed timely Statements of Opposition and/or Supplemental Statements of Opposition in the captioned case:

State of Colorado
Rio Grande Water Conservation District
Rio Grande Water Users Association, et al.

The time for filing Supplemental Statements of Opposition to the captioned case expired May 8, 1987, pursuant to the Referee's Order filed March 4, 1987.

6. The appropriations were initiated by drilling the respective wells on the dates claimed and water therefrom applied to municipal uses.

7. All legal descriptions in this Findings of Fact, Conclusions of Law and Decree are with reference to the 6th Principal Meridian.

CONCLUSIONS OF LAW

8. All notices required by law for filing and publication of the application in the Resume of Water Division No. 3 have been fulfilled, and the court has jurisdiction over the subject matter and all parties whether or not they have appeared.

9. This court has previously ruled that applications filed as amendments to Case No. 79CW85 prior to March 31, 1982, relate back to Case No. 79CW85. See, this court's Orders dated December 31, 1981, and June 9, 1988, Case No. 79CW85. The application in this case is within the terms of those Orders and is a clarifying amendment to the application filed by the United States in Case No. 79CW85, and the United States is, therefore,

entitled to antedate priorities subsequent to March 17, 1932..
United States v. Bell, 724 P.2d 631, 645 (Colo. 1986).

10. Applicant, United States of America, is entitled to this Decree as a matter of law.

DECREE

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED THAT:

1. The Findings of Fact and Conclusions of Law contained herein are incorporated by reference and made a part of this Decree.

2. The United States of America is entitled to water rights in two wells in Alamosa County, State of Colorado, as set forth below:

SIXTH PRINCIPAL MERIDIAN

Legal description: SW1/4 NE1/4 Sec. 35, T.
26 S, R. 73 W
Name of well: GRSA Well No. 2
Well Permit No.: 04331-F
Depth: 180 ft. Pump: Submersible
Priority Date: August 1, 1963
Amount: 30 gpm absolute
Uses: Municipal

Legal description: SE1/4 SW1/4, Sec. 2, T.
27 S, R. 73 W
Name of well: GRSA Well No. 3
Well Permit No. None
Depth: 375 ft. Pump: Submersible
Priority Date: August 4, 1978
Amount: 25 gpm absolute
Uses: Municipal

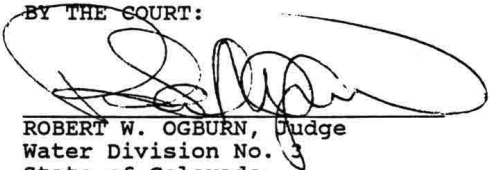
3. The right decreed herein is subject to administration by the State Engineer as is any other decree for the purposes decreed herein with the priority date as stated.

4. The Applicant shall install and maintain such water measurement devices, recording devices, content gauges and inlet and outlet measurement and recording devices, as the case may be, as are deemed essential by the Office of the State Engineer, and the same shall be installed and operated in accordance with instructions from said Office.

5. IT IS FURTHER ORDERED that the Water Clerk shall mail copies of this Findings of Fact, Conclusions of Law and Decree as required by statute.

DATED AND ENTERED OF RECORD this 30th day of June,
1988. 1989

BY THE COURT:


ROBERT W. OGBURN, Judge
Water Division No. 3
State of Colorado

The undersigned agree to the entry of this decree.

DATE: 7 June 1989

MICHAEL J. NORTON
United States Attorney

By

John R. Hill, Jr.
JOHN R. HILL, JR. #10214
Attorney
U. S. Department of Justice
Land and Natural Resources Div.
1961 Stout Street, Drawer 3607
Denver, CO 80294
(303) 844-2892

ATTORNEYS FOR APPLICANT
UNITED STATES OF AMERICA

DATED: 11-8-88

FOR THE ATTORNEY GENERAL

By

Carol D. Angel
CAROL D. ANGEL #13123
Assistant Attorney General
Natural Resources Section
1525 Sherman Street, 3rd Floor
Denver, CO 80203
(303) 866-5114

DATED: 11-3-88

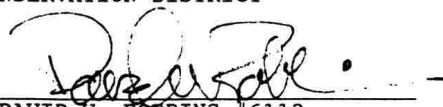
FOR OBJECTOR RIO GRANDE WATER
USERS ASSOCIATION

By

Paula C. Phillips
PAULA C. PHILLIPS #8029/
Carlson, Hammond & Paddock
2750 One United Bank Center
1700 Lincoln Street
Denver, CO 80203
(303) 861-9000

DATED: 10-31-88

FOR OBJECTOR RIO GRANDE WATER
CONSERVATION DISTRICT

By 

DAVID W. ROBBINS #6112
Hill & Robbins
1441 Eighteenth Street, Suite 100
Denver, CO 80202
(303) 296-8100

DISTRICT COURT, WATER DIVISION 3, STATE OF COLORADO

CASE NO. 81CW163

CERTIFICATE OF MAILING

I do hereby certify that on the 30th day of June, 1989
I personally deposited in the United States Mail, a signed copy of
the foregoing Findings of Fact, Conclusions of Law & Decree
in a sealed envelope bearing sufficient postage
properly addressed to:

Jeris A. Danielson
State Engineer
1313 Sherman Street
Denver, CO 80203

Steven E. Vandiver
Division Engineer
Water Division 3
P.O. Box 269
Alamosa, CO 81101

United States of America
c/o John R. Hill, Jr.
Dept. of Justice
Land & Natural Resources Section
1961 Stout St., Drawer 3607
Denver, CO 80294

John R. Hill, Jr., Attorney
U.S. Department of Justice
Land & Natural Resources Section
1961 Stout St., Drawer 3607
Denver, CO 80294

State of Colorado
Dept. of Natural Resources
1525 Sherman St., 3rd Floor
Denver, CO 80203

Carol D. Angel
Assistant Attorney General
Natural Resources Section
1525 Sherman St., 3rd Floor
Denver, CO 80203

Rio Grande Water Conservation District
10900 E. Hwy. 160
Alamosa, CO 81101

David W. Robbins
HILL & ROBBINS
1441 Eighteenth St., #100
Denver, CO 80202

Rio Grande Water Users Association
c/o John U. Carlson
CARLSON, HAMMOND & PADDOCK
1700 Lincoln, Suite 3900
Denver, CO 80203

Paula C. Phillips
CARLSON, HAMMOND & PADDOCK
1700 Lincoln St., Suite 3900
Denver, CO 80203

BY: Carol S. Redding, Deputy
Carol S. Redding
Clerk of the Water Court
Water Division 3

Beth

September 6, 1989

L54(479)
CRSA Water Rights

Colorado Division of Water Resources
618 Centennial Building
1313 Sherman Street
Denver, CO 80203

Subject: Well #2 (Application No. 04331-F) at Great Sand Dunes National Monument

Dear Sir or Madam:

Resubmitted herein are forms to amend the existing record of a water right within Great Sand Dunes National Monument.

These forms, originally submitted in November, 1988, were recently returned to our office because the Permit Number given was not listed on your microfiche records. We are resubmitting the forms with a copy of the approved Permit No. 04331-F, dated June 17, 1983. The permit and well driller's log are inconsistent as to the location of this well. The correct location is within the SW1/4 of the NE 1/4 of Section 35, Township 26 S, Range 73 W, of the 6th P.M.

If you have any further questions, please contact me at (303) 221-8301.

Thank you.

Owen Williams

Owen E. Williams
Chief, Water Rights Branch

Enclosures

cc: RMR - Hermance
CRSA - Superintendent

FNP:BVcelkel:bv:221-8323:09/06/89:WANG #287

WRJ#5-75

TYPE OR
PRINT IN BLACK INK
COPY OF ACCEPTED
STATEMENT MAILED
ON REQUEST.

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.
Denver, Colorado 80203

STATE OF COLORADO

COUNTY OF LARIMER

SS.

AFFIDAVIT

RECEIVED

NOV - 3 1988

WATER RESOURCES
STATE - ENGINEER
COLORADO

STATEMENT OF BENEFICIAL USE OF GROUND WATER

X AMENDMENT OF EXISTING RECORD FOR WELL REGR. # 04331-F

LATE REGISTRATION

PERMIT NUMBER _____

LOCATION OF WELL _____

Owen R. Williams, on behalf of the United

THE AFFIANT(S) States of America, National Park ServiceCounty Alamosa

whose mailing

address is 301 S Howes Street, Room 335

SW

1/4 of the

NE

1/4, Section

35City Fort Collins, CO 80521

(STATE)

(ZIP)

Twp. 26

S

(N OR S)

Rng. 73

W

(E OR W)

6

P.M.

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is

about

about

located as described above, at distances of 3660 feet from the south section line and 2840 feet from the

(NORTH OR SOUTH)

west section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the _____

(EAST OR WEST)

day of _____, 19____; the maximum sustained pumping rate of the well is _____ gallons per minute; the pumping

rate claimed hereby is _____ gallons per minute; the total depth of the well is _____ feet; the average annual amount

of water to be diverted is _____ acre-feet; for which claim is hereby made for _____

_____ purpose(s); the legal description of the land on which the water from this well is used is

_____ of which

_____ acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) O. Williams

Subscribed and sworn

to before me on this 1st day of November, 1988

My Commission expires:

(SEAL)

Cindy Pratt
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO
PURSUANT TO THE FOLLOWING CONDITIONS:

FOR OFFICE USE ONLY

Court Case No. _____

Prior. _____

Mo. _____

Day _____

Yr. _____

Div. _____

Cty. _____

Sec. _____

1/4. _____

1/4. _____

1/4. _____

Well Use _____

Dist. _____

Basin _____

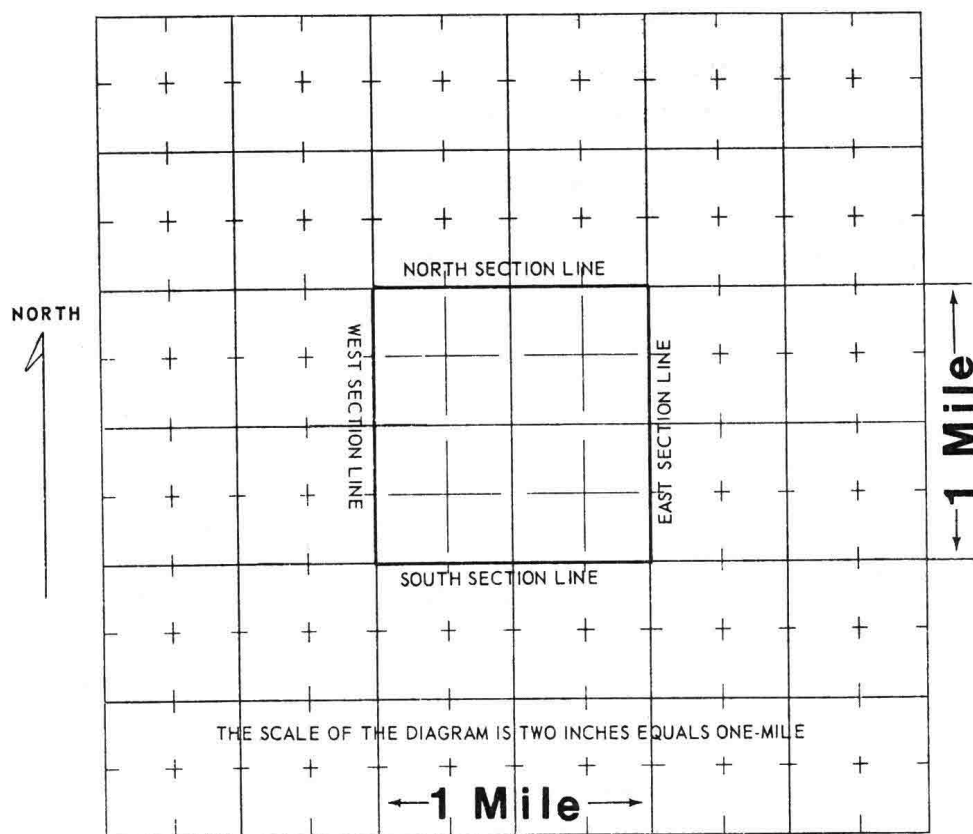
Man Dis _____

DATE

STATE ENGINEER

BY

Well drilled by _____ Lic. No. _____

Permanent
Pump installed by _____ Lic. No. _____Meter Serial No. _____ ☐ Flow Meter Date Installed _____Owner of land on which
water is being used _____**THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.**This diagram represents nine (9) sections. Use the **CENTER SQUARE**
(one section) to indicate the location of the well, if possible.**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).

1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.

1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

100 gpm pumped continuously for one year produces 160 acre-feet.

**(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
PINK COPY WILL BE RETURNED TO OWNER)**



United States Department of the Interior

NATIONAL PARK SERVICE

WATER RESOURCES DIVISION
301 SOUTH HOWES ST., ROOM 335
FT. COLLINS, COLORADO 80521

RECEIVED

NOV - 3 1988

WATER RESOURCES
SENIOR ENGINEER
GOLLA

IN REPLY REFER TO:

October 27, 1988

L54(479)
GRSA Water Rights

Colorado Division of Water Resources
818 Centennial Building
1313 Sherman Street
Denver, CO 80203

Subject: Well #2 (Registration No. 04331-F) at Great Sand Dunes National Monument

Dear Sir or Madam:

Submitted herein are forms to amend an existing record of a water right within the Great Sand Dunes National Monument.

Specifically, the only change requested is to correct the description of location for the well with registration #04331-F. This notice shall serve to correct inconsistencies found in the well driller's log and water right permit on file with the state of Colorado. Reiner Haubold in the ground water section of the state engineer's office is familiar with the issue.

A filing fee of one dollar is enclosed. Acknowledgement is requested in the form of an original receipt indicating "Paid in cash" and having an original, full signature by your cashier. This is necessary to comply with my office's provisions regarding petty cash.

If you have any questions, please contact me at (303)221-8301.

Thank you.

Owen R. Williams
Chief, Water Rights Branch
National Park Service

Enclosures

cc: Superintendent, GRSA
Hermance, RMR

ROY ROMER
Governor



JERIS A. DANIELSON
State Engineer

OFFICE OF THE STATE ENGINEER
DIVISION OF WATER RESOURCES

PERMIT NUMBER 2

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

FROM: Melissa Long
DATE: 8/24/89

REQUEST FOR CORRECTION OR ADDITIONAL INFORMATION ON STATEMENT OF BENEFICIAL USE.

Please correct or complete the Statement where checked and initial all changes on the Statement. Return Statement as soon as possible for completion.

- () The 1/4 1/4 location does not agree with the distances from section lines. Verify and correct the Statement.
- () The location of the well differs from the permit issued. No request for amendment of the location was received. Please clarify this matter.
- () The date of use must be when water from this well was first put to beneficial use or the date of permit issue whichever is later.
- () Records indicate the well was completed and the pump installed on _____. Your date of use is _____. The use should be after initial pump installation. Amend as necessary.
- () Test report(s) indicates a maximum sustained pumping rate of _____ gpm.
- () Maximum allowable pumping rate claimed cannot exceed 15 gpm.
- () The allowable annual amount of water to be diverted is _____ acre feet.
- () The approved total (acreage)(square feet) irrigated is _____.
- () The driller's report indicates a total depth of _____ feet.
- () Permit was issued for _____ purposes. You claim _____. If you are seeking the additional use, you must file an application and \$60.00 fee to change the use. The additional use may or may not be approved.
- () Complete or attach the legal description of the land on which the well is located.
- () Conditions of approval require a totalizing flow meter. Provide that information on the back of the Statement.
- () Pump installation report with test data must be submitted. Advise the installer to submit his report. A form is enclosed if you installed it.
- () Conditions of approval require that the old well be plugged. Submit the enclosed plugging and abandonment affidavit.
- () Signature(s) of owner(s) is/are required. if signed by agent, it must be accompanied by a letter signed by owner authorizing signature.

(x) Other need permit number

9-62/10M APPLICATION FOR: ☐ A PERMIT TO USE GROUND WATER JUL 22 1963
☒ A PERMIT TO CONSTRUCT A WELL GROUND WATER SECT

Applicant NATIONAL PARK SERVICE

P.O. Address Box 60, Alamosa, Colo.

Quantity applied for 50 gpm or AF Storage

Used for Domestic-Campground Purposes

on/at GREAT SAND DUNES N.M.
 (legal description of land site)
take subject to Sec. 35

Total acreage irrigated and other rts. ESTIMATED DATA OF WELL

Hole size: 8 in. to 150 ft.
6 in. to 500 ft.

Casing Plain 8 in. from 0 to 150 ft.
6 in. from 150 to 470 ft.

Open or Perf. 6 in. from 470 to 500 ft.
in. from to ft.

PUMP Outlet

DATA: Type Submersible HP 5 Size

Use initiation date Fall 1963
 (Use Supplemental pages for additional data)

Driller to furnish Log and History (Form E) within 30 days after completion of well.

LOCATION OF WELL COLORADO
 County Saguache STATE ENGINEER

N 1 of SE 1 of Sect. 26, Twp. 43N,
 Rge. 77W, 6th F.M. OR
 (Map Inclosed)
 Street Address or Lot & Block No.
 Town or Subdivision

Locate well in 40 acre (small) square as near as possible. Large square is one section.

\$5.00 fee required for uses other than Domestic or Livestock.

Applicant NATIONAL PARK SERVICE
 Agent or Driller Shannon J. Dilling No. 5-7
 Address Box 71, Alamosa, N.M.

THIS APPLICATION APPROVED
 PERMIT NO. 4331-F
 ISSUED: June 17 1963

NOTE - SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION

Form C Rev. 9-62/10M STATE OF COLORADO
 APPLICATION FOR: ☒ A PERMIT TO USE GROUND WATER JUN 17 1963
☒ A PERMIT TO CONSTRUCT A WELL GROUND WATER SECT

Applicant United States of America
National Park Service

P.O. Address Box 1728, Santa Fe, New Mexico

Quantity applied for 50 gpm or AF Storage

Used for municipal Purposes

on/at Great Sand Dunes National Monument
 (legal description of land site)

Total acreage irrigated and other rts. ESTIMATED DATA OF WELL

Hole size: 10 in. to 150 ft.
8 in. to 500 ft.

Casing Plain 8 in. from 0 to 150 ft.
6 in. from 150 to 400 ft.

Open or Perf. 6 in. from 400 to 500 ft.
in. from to ft.

PUMP Outlet

DATA: Type Unknown HP Size

Use initiation date 19
 (Use Supplemental pages for additional data)

Driller to furnish Log and History (Form E) within 30 days after completion of well.

LOCATION OF WELL COLORADO
 County Alamosa STATE ENGINEER

N 1 of SW 1 of Sect. 35, Twp. 26S,
 Rge. 72W, S. P.M. OR
 Street Address or Lot & Block No.
 Town or Subdivision

Locate well in 40 acre (small) square as near as possible. Large square is one section.

\$25.00 fee required for uses other than Domestic or Livestock.

Applicant United States of America
 Agent or Driller J. M. Carpenter, Acting Regional Dir.
 Driller Unknown as yet No. Address

THIS APPLICATION APPROVED
 PERMIT NO. 4331-F
 ISSUED: JUN 17 1963

NOTE - SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION



United States Department of the Interior

NATIONAL PARK SERVICE

WATER RESOURCES DIVISION
301 SOUTH HOWES ST., ROOM 335
FT. COLLINS, COLORADO 80521

IN REPLY REFER TO:

October 27, 1988

L54(479)

GRSA Water Rights

Colorado Division of Water Resources
818 Centennial Building
1313 Sherman Street
Denver, CO 80203

Subject: Well #2 (Registration No. 04331-F) at Great Sand Dunes National Monument

Dear Sir or Madam:

Submitted herein are forms to amend an existing record of a water right within the Great Sand Dunes National Monument.

Specifically, the only change requested is to correct the description of location for the well with registration #04331-F. This notice shall serve to correct inconsistencies found in the well driller's log and water right permit on file with the state of Colorado. Reiner Haubold in the ground water section of the state engineer's office is familiar with the issue.

A filing fee of one dollar is enclosed. Acknowledgement is requested in the form of an original receipt indicating "Paid in cash" and having an original, full signature by your cashier. This is necessary to comply with my office's provisions regarding petty cash.

If you have any questions, please contact me at (303)221-8301.

Thank you.

Owen R. Williams
Chief, Water Rights Branch
National Park Service

Enclosures

cc: Superintendent, GRSA
Hermance, RMR

WRJ-25-75

TYPE OR
PRINT IN BLACK INK.
COPY OF ACCEPTED
STATEMENT MAILED
ON REQUEST.

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.

Denver, Colorado 80203

STATE OF COLORADO

COUNTY OF LARIMER

} SS.

AFFIDAVIT

STATEMENT OF BENEFICIAL USE OF GROUND WATER

X AMENDMENT OF EXISTING RECORD FOR WELL REGR. # 04331-F

LATE REGISTRATION

PERMIT NUMBER

LOCATION OF WELL

Owen R. Williams, on behalf of the United
THE AFFIANT(S) States of America, National Park Service County Alamosa
whose mailing
address is 301 S Howes Street, Room 335 SW $\frac{1}{4}$ of the NE $\frac{1}{4}$, Section 35

City Fort Collins, CO 80521 Twp. 26 S 73 W 6 P.M.
(STATE) (ZIP) (N OR S) (E OR W)

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is
located as described above, at distances of about 3660 feet from the south section line and about 2840 feet from the
(NORTH OR SOUTH)
west section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the
(EAST OR WEST)

day of _____, 19____; the maximum sustained pumping rate of the well is _____ gallons per minute; the pumping
rate claimed hereby is _____ gallons per minute; the total depth of the well is _____ feet; the average annual amount
of water to be diverted is _____ acre-feet; for which claim is hereby made for _____

_____ purpose(s); the legal description of the land on which the water from this well is used is
_____ of which

_____ acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in
compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he
(they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) [Signature]Subscribed and sworn to before me on this 1st day of November, 19 88My Commission expires December 20, 1989
205 West Oak St. Ft. Collins, CO 80521

My Commission expires:

(SEAL)

[Signature]
NOTARY PUBLICACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO
PURSUANT TO THE FOLLOWING CONDITIONS:

FOR OFFICE USE ONLY

Court Case No. _____

Prior. _____ Mo. _____ Day _____ Yr. _____

Div. _____ Cty. _____

Sec. _____ $\frac{1}{4}$. _____ $\frac{1}{4}$. _____ $\frac{1}{4}$.

Well Use _____

Dist. _____ Basin _____ Man. Dis. _____

DATE

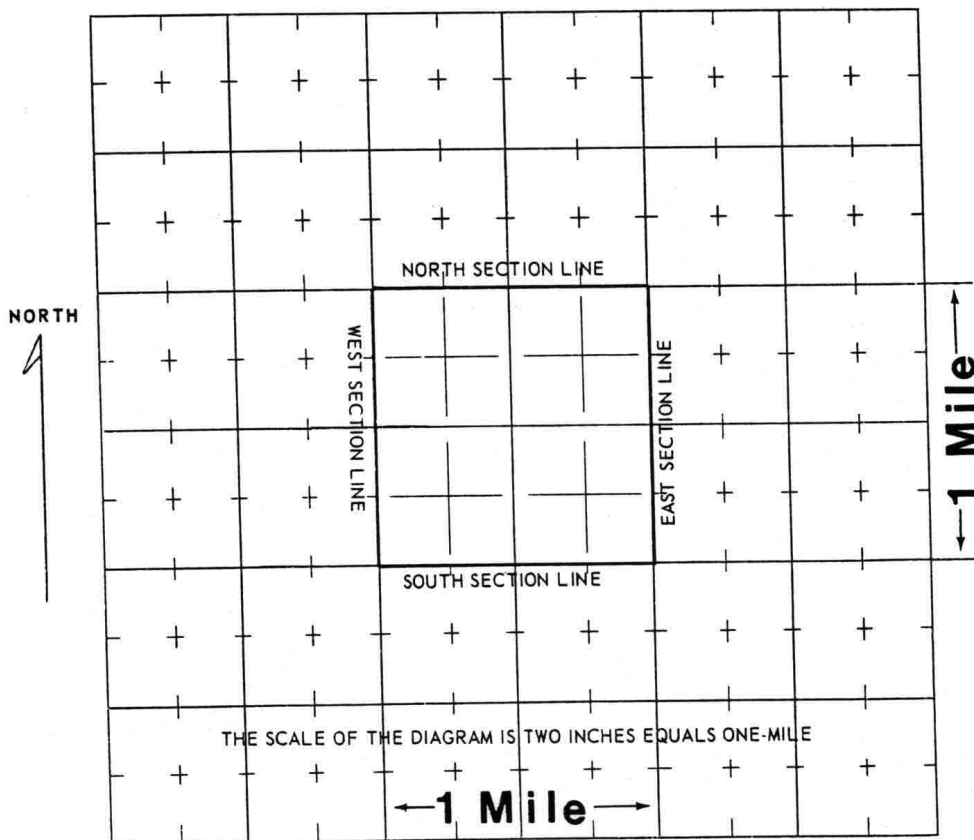
STATE ENGINEER

BY

Well drilled by _____ Lic. No. _____
 Permanent
 Pump installed by _____ Lic. No. _____
 Meter Serial No. _____ ☐ Flow Meter Date Installed _____
 Owner of land on which
 water is being used _____

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



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).
 1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.
 100 gpm pumped continuously for one year produces 160 acre-feet.

**(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
 PINK COPY WILL BE RETURNED TO OWNER)**

OWEN R. WILLIAMS
1430 SIOUX BLVD. 223-3086
FORT COLLINS, CO 80526

1 November 88 7003

75-532/919

PAY TO THE ORDER OF State of Colorado \$ 1 ⁰⁰/₁₀₀

One and ⁰⁰/₁₀₀ DOLLARS

LONGS PEAK FEDERAL CREDIT UNION
1601 ESTRELLA AVE
LOVELAND, CO. 80538
PAYABLE THROUGH FIRST BANK, N.A., ST. CLOUD, MN

MEMO O. Williams

⑆091905321⑆8810033690061⑆7003

WRJ-25-75

TYPE OR
PRINT IN **BLACK INK**
COPY OF ACCEPTED
STATEMENT MAILED
ON REQUEST.

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Blvd., 1313 Sherman St.
Denver, Colorado 80203

STATE OF COLORADO

COUNTY OF **LARIMER**

SEP 0 8 1989

WATER RESOURCES
STATE - ENGINEER
COLO.

SS.

RECEIVED

NOV - 3 1988

WATER RESOURCES
STATE - ENGINEER
COLO.
AFFIDAVIT

STATEMENT OF BENEFICIAL USE OF GROUND WATER

☒ AMENDMENT OF EXISTING RECORD FOR WELL REGR. # 04331-F☐ LATE REGISTRATION

PERMIT NUMBER

LOCATION OF WELL

THE AFFIANT(S) **Owen R. Williams, on behalf of the United States of America, National Park Service**

County **Alamosa**

whose mailing
address is

301 S Howes Street, Room 335

SW

1/4 of the

NE

1/4, Section

35City **Fort Collins, CO 80521**

(STATE)

(ZIP)

Twp. **26****S**

(N OR S)

Rng. **73****W**

(E OR W)

6

P.M.

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is located as described above, at distances of **about 3660** feet from the **south** section line and **about 2840** feet from the

west section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the

day of _____, 19____; the maximum sustained pumping rate of the well is _____ gallons per minute; the pumping

rate claimed hereby is _____ gallons per minute; the total depth of the well is _____ feet; the average annual amount

of water to be diverted is _____ acre-feet; for which claim is hereby made for _____

purpose(s); the legal description of the land on which the water from this well is used is _____

of which _____

acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) *O. R. Williams*

Subscribed and sworn to before me on this 1st day of November, 19 88

My Commission expires: December 20, 1989
205 West Oak St. Ft. Collins, CO 80521

(SEAL)

Cindy Pratt
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO
PURSUANT TO THE FOLLOWING CONDITIONS:

ACCEPTED FOR A CHANGE IN OWNERSHIP ONLY

OWNER'S COPY

OCT 20 1989

DATE

STATE ENGINEER

BY

FOR OFFICE USE ONLY

Court Case No. _____

Prior. _____ Mo. _____ Day _____ Yr. _____

Div. 3 City 5

Sec. _____ 1/4. _____ 1/4. _____ 1/4.

Well Use _____

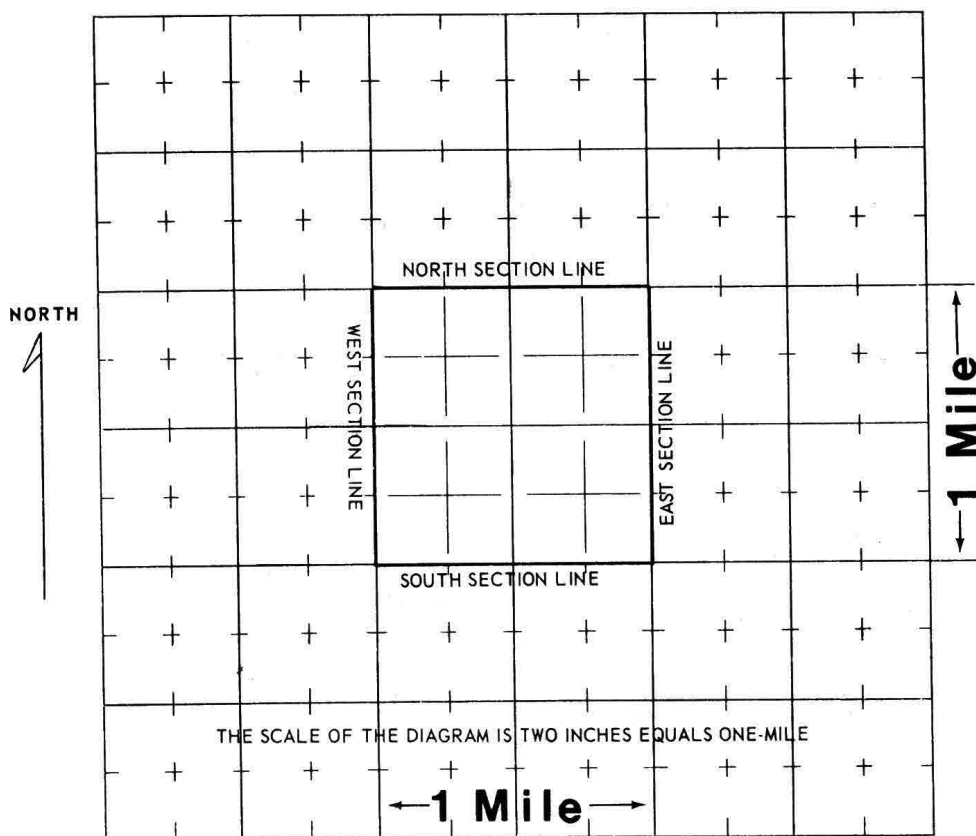
Dist. 35 Basin _____ Man. Dis. _____

Well drilled by _____ Lic. No. _____

Permanent
Pump installed by _____ Lic. No. _____Meter Serial No. _____ ☐ Flow Meter Date Installed _____Owner of land on which
water is being used _____

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



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).
 1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.
 100 gpm pumped continuously for one year produces 160 acre-feet.

(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
 PINK COPY WILL BE RETURNED TO OWNER)

L54 (RMR-ML)

MAR 3 1983

MEKEEL

PATTIE (later)

HERMANCE

3/1/83
SIMONS

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

Re: Well Permit Application
Receipt No. 08424

Dear Mr. Lautenschlager:

The above well permit was to have been a replacement of well permit No. 4331-F which has developed a contamination problem. However, the replacement well will only produce a limited amount (2-3 gallon per minute) which is not sufficient to sustain the campground operation. Consequently, we have decided to correct the contamination with a water treatment.

If possible we would like to keep the new well as a standby since we have a considerable investment and would encounter considerable difficulty and inconvenience numerous park visitors if the present well should fail. We are not aware of any provision under Colorado law for maintaining a standby system and would appreciate your advise on any possibilities that exist.

Sincerely,

(Sgd) L. E. Surles

Associate Regional Director
Park Operations

cc:
Supt., GRSA w/c inc.
RMR-ME, Hermance w/c inc.
RMR-ML, Mekeel w/c inc.

WLMEKEEL:ek 3/1/83:234-2766

RICHARD D. LAMM
Governor



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

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

February 7, 1983

Mr. L. E. Surles
Associate Regional Director
Park Operations
National Park Service
P.O. Box 25287
Denver, CO 80225

JERIS A. DANIELSON
State Engineer

Rec'd 2/9/83

Rocky Mountain Regional Office		Initial & Date
Regional Director		
Deputy Regional Director		
Administration		
Park Operations		
Plan & Resource Plan		
Open File		
Communications & P.R.		
FEIS		
Open File		
Action Taken		



RE: Well Permit Application, Receipt
No. 08424

Dear Mr. Surles:

Enclosed is the referenced application, which is being returned for additional information and clarification.

We believe that this application is for a permit for the test well that was constructed by Young's Contract Drilling beginning in October of 1982. It was our understanding that this well was to be a replacement of well permit No. 4331-F and that the old well was to be plugged and abandoned because of contamination problems. This application is for a new appropriation. Please be advised that it is unlikely that we could approve a new appropriation in this area.

If you wish, you may amend your application to request a replacement, supplemental point of diversion, or alternate point of diversion well. Applications of these types are considered based on the historic use of the original well. If we can determine that use of the new well will not increase the historic consumptive use of ground water, a permit might be issued.

If you would like to amend the application to a replacement well, please check the proper box at the top of the application and insert the permit number of the original well. You must also complete item No. 9 on the application.

If you wish to apply for a supplemental or alternate point of diversion well, you must check box at the top of the application marked "Other," insert which type of point of diversion you wish, and insert the permit number of the original well.

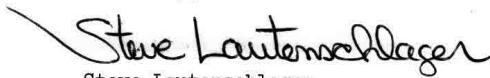
Completion of the Water Court case number under which an application for water rights for the original well has been filed is also desirable. Please be advised

Mr. L. E. Surles
Page -2-
February 7, 1983

that alternate and supplemental wells are considered changes in water rights and Water Court approval is required before such a well can be put to beneficial use.

Please initial any changes to the application and return it to this office as soon as possible. If you have any records concerning the historic use of the original well, such as records on hours or gallons pumped, please submit those with the application. If you have any questions, feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Steve Lautenschlager". The signature is written in dark ink and is positioned above the typed name and title.

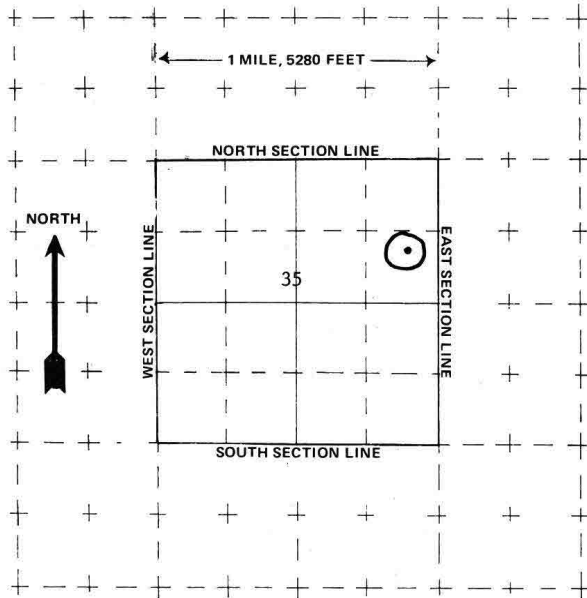
Steve Lautenschlager
Water Resources Engineer
Ground Water Section

SPL/ew
Enclosures

cc: Division 3

I.D. 3-35 COUNTY 02

(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.

3,430 ft. from South sec. line
(north or south)

4,200 ft. from West sec. line
(east or west)

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: Great Sand Dunes NM

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

(8) **PROPOSED CASING PROGRAM**

Plain Casing

8 in. from 0 ft. to 27 ft.

_____ in. from _____ ft. to _____ ft.

~~FOR OPEN HOLE~~ Open Hole

8 in. from 27 ft. to 200 ft.

7-3/4 in. 200 ft. 450 ft.

6-1/2 in. from 450 ft. to 525 ft.

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

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

Owner(s): Great Sand Dunes National Monument 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.

The water will be used in the "Pinyon Flats" Campground for culinary and sanitary disposal purposes.

(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
_____	_____	_____

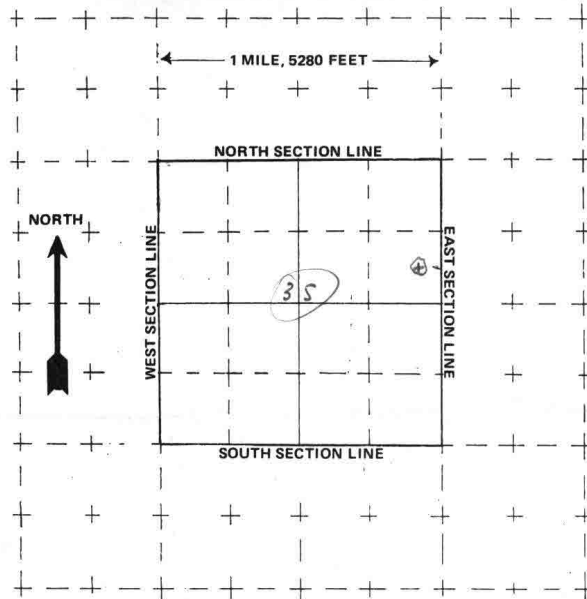
(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

L. E. Surles, Associate Regional Director, Park Operations
SIGNATURE OF APPLICANT(S)

Use additional sheets of paper if more space is required.

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.



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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.

3170 ft. from SOUTH sec. line
(north or south)
480 ft. from EAST sec. line
(east or west)

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: _____

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

(8) **PROPOSED CASING PROGRAM**

Plain Casing

8 in. from 0 ft. to 220 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

8 in. from 220 ft. to 250 ft.

_____ in. from _____ ft. to _____ ft.

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

This new well will be drilled approx.

5500' northeast of this old well.

This well will be capped with a

metal cap and cones were marked

for a standby water system.

(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.

THIS WATER WILL BE USED IN PUBLIC CAMPGROUNDS FOR CULINARY & SANITATION
PURPOSES. DISPOSAL BY SEPTIC TANK

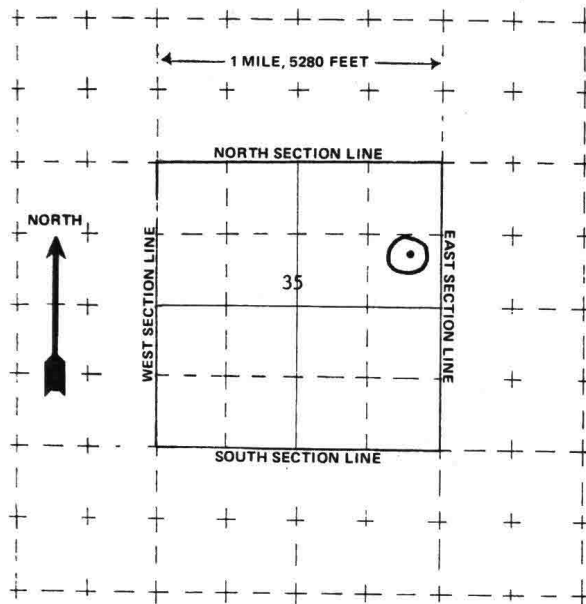
(12) **OTHER WATER RIGHTS** used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used
<u>Groundwater (16700)</u>	<u>domestic</u>	<u>SE 1/4, SW 1/4, Sec 2, T 27 S, R 73 W 6th PM.</u>

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

AND THAT HE IS AN INHABITANT OF THE UNITED STATES
SIGNATURE OF APPLICANT(S) _____

(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.



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3,430 ft. from South sec. line
(north or south)

4,200 ft. from West sec. line
(east or west)

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

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

(8) **PROPOSED CASING PROGRAM**

Plain Casing

8 in. from 0 ft. to 27 ft.

_____ in. from _____ ft. to _____ ft.

~~Plain Casing~~ Open Hole

8 in. from 27 ft. to 200 ft.

7-3/4 in. from 200 ft. to 450 ft.

6-1/2 in. from 450 ft. to 525 ft.

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

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Legal description: _____

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The water will be used in the "Pinyon Flats" Campground for culinary and sanitary disposal purposes.

(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.**

L. E. Surles, Associate Regional Director, Park Operations
SIGNATURE OF APPLICANT(S)

Use additional sheets of paper if more space is required.

To be Filed in Quadruplicate

5-25-72

IN THE DISTRICT COURT IN AND FOR

WATER DIVISION NO. 3

STATE OF COLORADO

IN THE MATTER OF THE APPLICATION)
 FOR WATER RIGHT OF) APPLICATION FOR UNDERGROUND
 United States of America) WATER RIGHT
) (Domestic and Other Small Wells)
) as defined by Sec. 148-21-45,
) as amended.
 IN Alamosa COUNTY.)

The undersigned applicant applies for adjudication of the following described domestic or other small well, and states:

1. Name of applicant: United States of America, c/o John R. Hill, Jr.
 Mailing Address: 1961 Stout St., Drawer 3607 Denver, Colorado 80294 Tel No. 303-837-2065
2. Legal description of location of well: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35, T26S, R73W.
 About 2,840 feet from west section line and about 3,660 feet from south section line.
 (Locate as closely as possible, without survey, showing number of feet from north-south and east-west section line. If in town, city or subdivision, also furnish lot and block number and name of town, city or subdivision and give number of feet from end and side of lot.)
3. (a) Applicant's well name or number, if any: Well #2
 (b) Registration number, if any: 04331-F
4. The well is located in the watershed of Medano
Creek or River.
5. Depth of well: 180' Pump: submersible Artesian: no
6. Date when well dug or drilled: Started July 17, 1963 and completed August 1, 1963
7. Amount of water claimed in gallons per minute: 30
8. Use or proposed use of water: municipal
 If domestic well, number of single family dwellings served: 1
 (House trailers are considered dwellings.)
9. (a) There are hereto attached copies of documents from State Engineer's Office showing permit and registration with pertinent details of well.
 (b) If well is registered in name of permittee other than present owner of the land on which well is situated, attach statement containing information as to conveyances so that chain of title in applicant is established, or copies of conveyances or abstract entries.
 (c) If well is unregistered, or is registered on forms not containing all necessary details of well, attach affidavit giving same information as nearly as possible as is shown for wells registered on form requiring such details.

- Remarks: (a) The United States seeks to antedate the adjudication dates of earlier decrees insofar as they, in conjunction with applicable statutes, appear or purport to preclude this Court from awarding to the United States its water rights bearing their true priority dates.
- (b) The filing fees which accompany this application are paid under protest. The United States hereby claims reimbursement thereof on the grounds that filing fees constitute "costs" within the meaning of 43 U.S.C.A., Section 666(a), and as such are not properly taxed against the government in water adjudication proceedings.

JOSEPH DOLAN, UNITED STATES ATTORNEY

HANK MESHORER, Senior Trial Attorney, Dept. of Justice

By

JOHN R. HILL, JR., Trial Attorney
Department of Justice, Land and Natural Resources Div
Federal Building, 1961 Stout Street
Drawer 3607, Denver, Colorado 80294

(303-837-2065)

Form C Rev.
9-62/10M

STATE OF COLORADO

4331-F

RECEIVED

9-62/10M

APPLICATION FOR:

☐ A PERMIT TO USE GROUND WATER
☒ A PERMIT TO CONSTRUCT A WELL

JUL 22 1963

GROUND WATER SECT

GREAT SAND DUNES N.M.

Applicant NATIONAL PARK SERVICE

P.O. Address Box 60, Alamosa, Colo.

Quantity applied for _____ gpm or _____ AF Storage

Used for Domestic-Campground Purposes

on/at GREAT SAND DUNES N.M.

(legal description of land site)

Total acreage irrigated and other rts.

ESTIMATED DATA OF WELL

Hole size: 8 in. to 150 ft.

6 in. to 500 ft.

Casing Plain 8 in. from 0 to 150 ft.

6 in. from 150 to 470 ft.

Open or Perf. 6 in. from 470 to 500 ft.

PUMP _____ in. from _____ ft.

DATA: Type Submersible HP 5 Size

Use initiation date Fall 1963

(Use Supplemental pages for additional data)

County Saguache

LOCATION OF WELL COLORADO

STATE ENGINEER

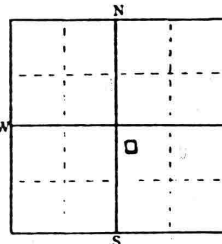
Sd 1 of SE 1/4 of Sect. 26, Twp. 43S

Rge. 7W, 6th F.M. OR

(Map Inclosed)

Street Address or Lot & Block No.

Town or Subdivision



Locate well in 40 acre (small) square as near as possible. Large square is one section.

\$5.00 fee required for uses other than Domestic or Livestock

GREAT SAND DUNES N.M.

Applicant NATIONAL PARK SERVICE

Agent on

Driller J. M. Carpenter, No. 5-9

Address Box 71, Alamosa, N.M.

THIS APPLICATION APPROVED

PERMIT NO. 4331-F

ISSUED:

DATE June 17 1963

NOTE - SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION

Form C Rev.
9-62/10M

STATE OF COLORADO

RECEIVED

APPLICATION FOR:

☒ A PERMIT TO USE GROUND WATER
☒ A PERMIT TO CONSTRUCT A WELL

JUN 17 1963

United States of America

Applicant National Park Service

P.O. Address Box 1726, Santa Fe, New Mexico

Quantity applied for 30 gpm or _____ AF Storage

Used for municipal Purposes

on/at Great Sand Dunes National Monument

(legal description of land site)

Total acreage irrigated and other rts.

ESTIMATED DATA OF WELL

Hole size: 10 in. to 150 ft.

8 in. to 500 ft.

Casing Plain 9 in. from 0 to 150 ft.

6 in. from 150 to 400 ft.

Open or Perf. 6 in. from 400 to 500 ft.

PUMP _____ in. from _____ ft.

DATA: Type Unknown HP _____ Size

Use initiation date 19

(Use Supplemental pages for additional data)

County Alamosa

LOCATION OF WELL COLORADO

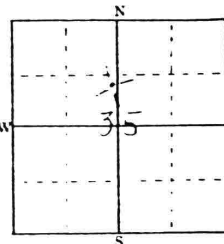
STATE ENGINEER

SE 1/4 of NW 1/4 of Sect. 35, Twp. 26 S,

Rge. 73 W, S. P.M. OR

Street Address or Lot & Block No.

Town or Subdivision



Locate well in 40 acre (small) square as near as possible. Large square is one section.

\$25.00 fee required for uses other than Domestic or Livestock

United States of America

Applicant National Park Service

Agent or J. M. Carpenter, Acting Regional Dir.

Driller* _____ No. _____

*Driller unknown as yet

Address _____

THIS APPLICATION APPROVED

PERMIT NO. 4331-F

ISSUED:

DATE JUN 17 1963

NOTE - SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION

Form C Rev.
9-62/10M

STATE OF COLORADO

APPLICATION FOR: ☒ A PERMIT TO USE GROUND WATER
☒ A PERMIT TO CONSTRUCT A WELLApplicant United States of America
National Park ServiceP.O. Address Box 1728, Santa Fe, New Mexico
Quantity applied for 30 gpm or
--- AF StorageUsed for municipal Purposesat Great Sand Dunes National Monument
(legal description of land site)

Total acreage irrigated and other rts.

ESTIMATED DATA OF WELL

Hole size: 10 in. to 150 ft.
8 in. to 500 ft.Casing Plain 8 in. from 0 to 150 ft.
6 in. from 150 to 400 ft.Open or Perf. 6 in. from 400 to 500 ft.
--- in. from --- to --- ft.PUMP _____ Outlet
DATA Type _____ HP _____ Size _____Use initiation date 19 _____
(Use Supplemental pages for additional data)

THIS APPLICATION APPROVED

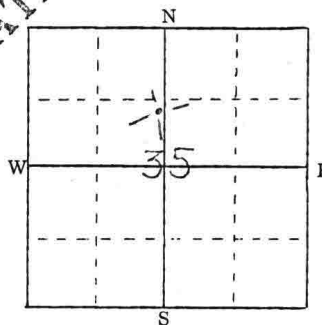
PERMIT NO. 04331-F

ISSUED:

DATE JUN 17 1963County AlamosaLOCATION OF WELL COLORADO
STATE ENGINEERSE 1/4 of NW 1/4 of Sect. 35, Twp. 26 S.,Rge. 73 W., 6 S. P.M. OR

Street Address or Lot & Block No. _____

Town or Subdivision _____

Locate
well in
40 acre
(small)
square
as near
as possible.
Large square
is one section.\$25.00 fee required for uses other
than Domestic or Livestock.Applicant United States of America
National Park Service
Agent of J. M. Carpenter, Acting Regional Dir.
Driller* _____ No. _____
* Driller unknown as yet
Address _____NOTE — SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION

Supporting Hydro Data

Geological Experiment		UNITED STATES DEPARTMENT OF THE INTERIOR Ground Water Analysis										Water Resources Division		
State	Colo.	County	Alamosa	Latitude	31	4	Longitude	12	18	Seq. No.	19	Date coll.	M 05 D 16 Y 66	
Local well No.	26.73.35.100	Owner	NPS. Great Sand Dunes Nat'l. Mon., Box 60, Alamosa	Collected by	Hal Hawman	Lab. Anal.	A-1	Project No.	NPS	No Fe Soln.	+ Test Fe	Sampling depth	26 29 Type C Pumped 1	
WBF		Appearance	Clear	Wa		Lab. No.	59495							
Kx10 ⁶	337	KCl	1180	31	35	SO ₄	sdit	17	1.7	0.35	Fe	1.85	25	
pH	7.2	Temperature °F	45	36	38	f	ml	68	0.92	72	Total	28	ml Abs 0.05	
SiO ₂	52.6	10 ml	24	42	44	Cl	50 ml	26	2.6		Dissol.	ml Abs		
Abs	455					Mg	MB.5 mg	73	0.30	78	Mn	f	ml	
Ca	3.48	50 ml	35	45	49	Mg · AgNO ₃			0.00		Total	ml Abs	46 49	
Mg	0.00					Source of data	d 79	Card Q	80	Q	Dissol.	ml Abs		
Subtotal cations (Ca, Mg)						F	10	ml Abs 1.370	0.4	0.02	Cu	ml	50 52	
Na	0.50	acid ml	9.2	54	58	NO ₃	f 12.0	10	ml Abs 1.09	1.3	Pb	ml	53 54	
K	0.16	acid ml	1.2	59	61	PO ₄	f	Abs			Zn	ml	55 57	
Subtotal cations (Ca, Mg, Na, K)						HPO ₄	%	H ₂ PO ₄			Subtotal cations (Al, Fe, Mn, Cu, Pb, Zn)			
HCO ₃	27.15	50 ml	147	62	65	Total anions			2.67		Subtotal cations (Ca, Mg, Na, K)			
CO ₂	19.80	50 ml	0	66	67	B	1.314	ml	0.00	0.00	Total cations			
	7.35					Al		ml			Dissolved solids	479319	166	
						Abs (Al + Fe)					Residue at 180°	47953	102	
						Remarks and explanation on other side					Dish No.	119	171	
											Calculated			
											Hardness	41.70		
											Ca, Mg	35.60	50 ml 122	
											Noncarbonate		2	
											Color	5	78-79 15 Card R 80 R	

Provisional records, subject to revision.

Rec'd at main station more to depth. Date Nov 7, 1966

659495

State	County	Lat.	Long.	Seq. No.	Date	Samp. depth	c
Remarks: Source: Cased water well DD: July 1963 Depth: 180' Producing intervals from: 141' to 171' WL: pumping 132' below Sampled after pumping (time): fill 50,000 gal. resv. Yield: 47 GM pump est. PC: Tap in rest room Use: Ps, Irr. Rmks: Well for Pinyon Flat Campground.							
B _____ ml 26 28				Radiochemical Alpha (pc/l) _____ 55 57			
I _____ ml 29 31				Beta (pc/l) _____ 58 60			
Alk. as CaCO₃ _____ 32 35				Ra (pc/l) _____ 61 63			
Free CO₂ _____ 36 38				U (ug/l) _____ 64 66			
SAR _____ 39 41				Other data (67-79) ^e			
RSC _____ 42 44							
Organics MBAS (ABS) _____ ml 45 47							
_____ 48 50							
_____ 51 54							
a Master card A (21-34) b Master card A (52-66) c Type: 1. Pumped 4. Spigot 2. Bucket 5. Bailer 3. Forest 6. Special d Source of data: 1. USGS 5. Industrial 2. UPHS 6. Private 3. State Health 7. Educational 4. State				e Indicate constituent and card columns. Card S _____ 80 S			

Chemist JOE O'NEILL Checked by E. F. WILLIAMS
 Date began JUL 20 1966 Date transmitted _____
 Punched by _____ Verified _____

Provisional records, subject to revision.

SHAMROCK DRILLING CO.

WATER WELL DRILLING
PUMP SALES and SERVICE
POST OFFICE BOX 491 TELEPHONE 753-6707
ESPANOLA, NEW MEXICO

Record of test pumping well No. 2, Great Sand Dunes Nat. Mon. Colorado.

Pump setting 165.

Water level at start of test ¹⁰⁴~~290~~ feet.

Started pumping 2PM Monday July 29th, 1963

3PM	Water level	110	Pumping rate	20 GPM
4PM	"	"	115	" " 23 GPM
5PM	"	"	118	" " 26 GPM
6PM	"	"	120	" " 32 GPM
7PM	"	"	123	" " 37 GPM
8PM	"	"	125	" " 40 GPM
9PM	"	"	128	" " 43 GPM
10PM	"	"	132	" " 46 GPM
11PM	"	"	134	" " 49 GPM
12PM	"	"	136	" " 53 GPM
1AM	"	"	136	" " 56 GPM
3AM	"	"	136	" " 56 GPM
4AM	"	"	132	" " 47 GPM

Well was tested for 37 hours. Water level and GPM remained steady during remainder of test.

Recovery data.

Water level at start.	133
one minute	123
three minutes	110
ten minutes	109

SHAMROCK DRILLING CO.

WATER WELL DRILLING
PUMP SALES and SERVICE

POST OFFICE BOX 491 TELEPHONE 753-6707

ESPADOLA, NEW MEXICO

August 3, 1963

Well log for well drilled at Great Sand Dunes, Colorado.

0	2	Topsoil	
2	3	Gravel	
3	9	Loose Sand	
9	13	Boulders and Clay	
13	100	Gravel and Clay	
100	108	Gravel	
108	140	Sand and Clay (some gravel)	
140	157	Coarse sand and Gravel	Water Encountered
157	174	Comglomerate	
174	190	Dirty sand and clay	Water Encountered

~~190~~

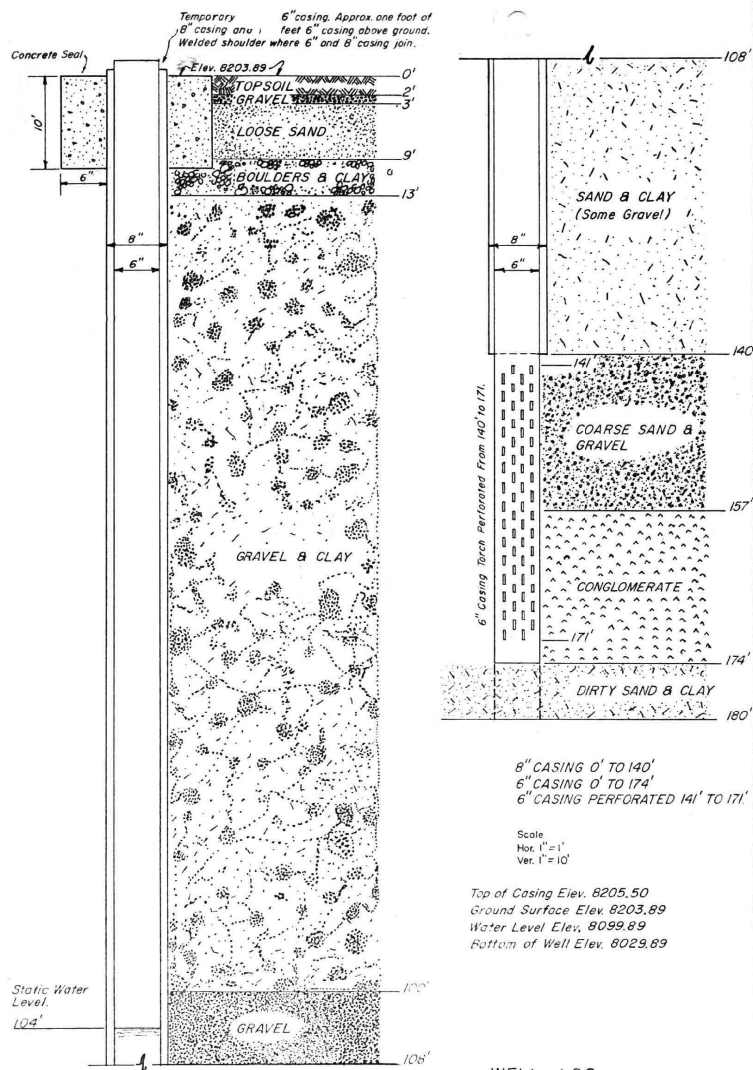
8" casing 0 to 140

6" casing 0 to 174

6" casing perforated 141 to 174.

Don Laughlin well driller

Don Laughlin
Signed

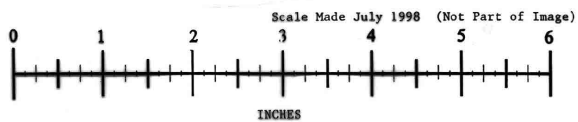


WELL LOG
PINYON FLATS CAMPGROUND
Shamrock Drilling Company
Don Loughlin - Driller
Esplanada, New Mexico

Contract 14-10-0333-1048

Started July 17, 1963 - Completed August 1, 1963
GREAT SAND DUNES NATIONAL MONUMENT

NW GSD-7112



AUG 20 1963
Form 8 (Rev. 1-55)
SEP 10 1963

Index No.	22
IDWD	3-35
Use	Domestic
Registered	8-6-63

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER
GROUND WATER SECTION

LOG AND HISTORY OF WELL
PERMIT NO. 4331-F

RECEIVED
AUG 6 1963
GROUND WATER SECT.
COLORADO
STATE ENGINEER

Driller Shamrock Drilling Co. Lic No 509
Owner National Park Service
Street Box 60 City Alamosa Colorado
Tenant _____
Use of Water Domestic - Campground
On or By Great Sand Dunes Nat. Mon. No Acres

Date Started July 13th 1963
Date Completed Aug 1st 1963
Yield 56 GPM or _____ CFS

WELL DESCRIPTION:

Depth to Water 104 ft. Total Depth 174 ft.
(measured from ground surface)
Hole Diameter { from 8 ft. to 140 ft. 8" in
from 0 ft. to 174 ft. 6" in
from _____ ft. to _____ ft. _____ in

TEST DATA:

How Tested H1 Lift Pump or _____ Bailed
Date Tested July 29, 1963 Length 37 hrs
Rate 47 GPM Drawn Down 28 ft

PUMP DATA:

Pump Type _____ Outlet Size _____ in
Driven by _____ HP

CASING RECORD:

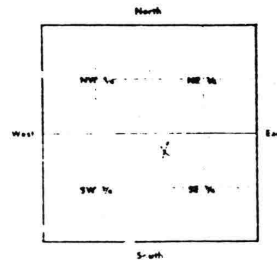
Main Casing
Size 6" Kind _____ from 0 ft. to 141 ft
Size 8" Kind _____ from 0 ft. to 140 ft
Size _____ Kind _____ from _____ ft. to _____ ft

Perforated Casing
Size 6" Kind _____ from 141 ft. to 174 ft
Size _____ Kind _____ from _____ ft. to _____ ft
Size _____ Kind _____ from _____ ft. to _____ ft

WELL LOCATION

Saguache County

N 1/4 of SE 1/4 of Sect 26
26S
Twp. 21 N Rge 73 W 6th PM



ABOVE DIAGRAM REPRESENTS ONE FULL SECTION. LOCATE WELL ACCURATELY IN SMALL SQUARE REPRESENTING 40 ACRES.

or

If the above is not applicable fill in.

No _____ Street _____

City or Town _____

or

Lot _____ Block _____

Subdivision
(include string or number)

TO BE MADE OUT IN QUADRUPPLICATE:

Original Blue and Duplicate Green Copy must be filed with the State Engineer within 30 days after well is completed. White copy is for the owner and Yellow copy for the Driller.

FOR WELL LOG USE REVERSE SIDE

OPTIONAL FORM NO. 10
5010-106

UNITED STATES GOVERNMENT

Memorandum

TO : Regional Chief of Operations and Maintenance DATE: Aug. 6, 1963

FROM : Superintendent, Great Sand Dunes

SUBJECT: Log on Well - Pinyon Flats Campgrounds

I believe this is the information John Kell requested on the well log.

You might also inform him that we resurveyed the well location and it lies on Government land by a comfortable 23 feet.

Harold F. Schaafama
Harold F. Schaafama
Superintendent

RECEIVED
AUG 1 - 1963

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

*Let
L. S. Ginn*

SHAMROCK DRILLING CO.

WATER WELL DRILLING
PUMP SALES and SERVICE
POST OFFICE BOX 491 TELEPHONE 753-6707
ESPANOLA, NEW MEXICO

Record of test pumping well No. 2, Great Sand Dunes Nat. Mon. Colorado.

Pump setting 165.

Water level at start of test ¹⁰⁴~~200~~ feet.

Started pumping 2PM Monday July 29th, 1963

3PM	Water level	110	Pumping rate	20 GPM
4PM	" "	115	" "	23 GPM
5PM	" "	118	" "	26 GPM
6PM	" "	120	" "	32 GPM
7PM	" "	123	" "	37 GPM
8PM	" "	125	" "	40 GPM
9PM	" "	128	" "	43 GPM
10PM	" "	132	" "	46 GPM
11PM	" "	134	" "	49 GPM
12PM	" "	136	" "	53 GPM
1AM	" "	136	" "	56 GPM
3AM	" "	136	" "	56 GPM
4AM	" "	132	" "	47 GPM

Well was tested for 37 hours. Water level and GPM remained steady during remainder of test.

Recovery data.

Water level at start.	133
one minute	123
three minutes	110
ten minutes	109

SHAMROCK DRILLING CO.

WATER WELL DRILLING
PUMP SALES and SERVICE
POST OFFICE BOX 491 TELEPHONE 753-6707
ESPANOLA, NEW MEXICO
August 3, 1963

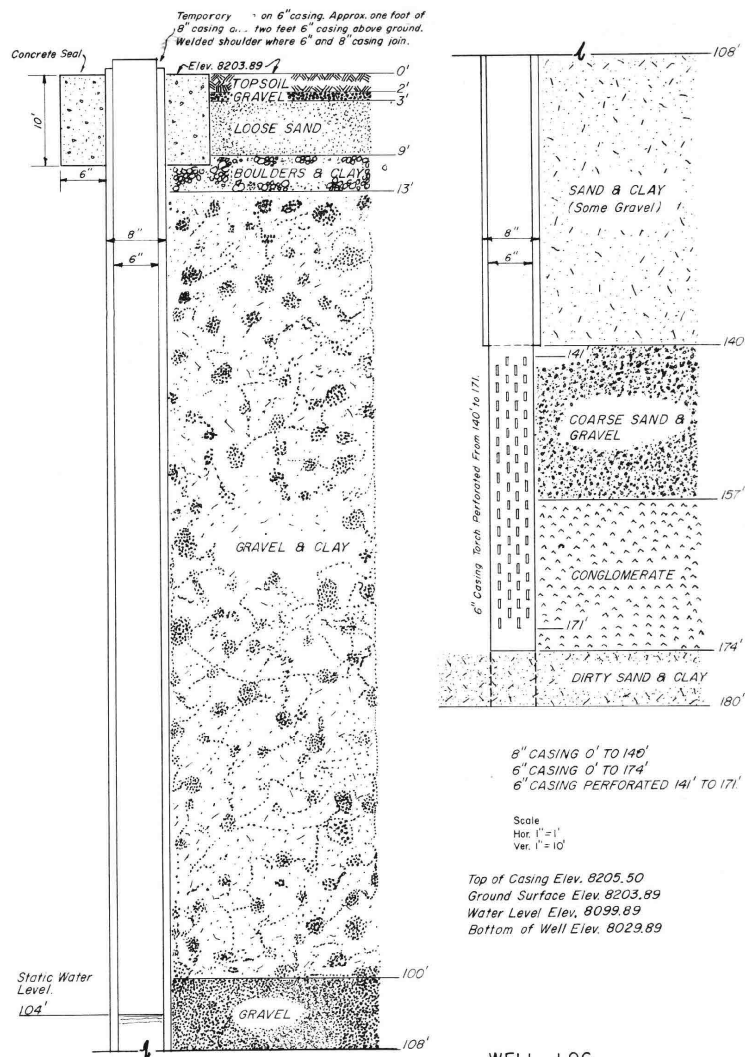
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2	3	Gravel
3	9	Loose Sand
9	13	Boulders and Clay
13	100	Gravel and Clay
100	108	Gravel
108	140	Sand and Clay (some gravel)
140	157	Coarse sand and Gravel Water Encountered
157	174	Conglomerate
174	180	Dirty sand and clay Water Encountered

8" casing 0 to 140
6" casing 0 to 174
6" casing perforated 141 to 171'.

Dan Laughlin well driller

Dan Laughlin
Signed



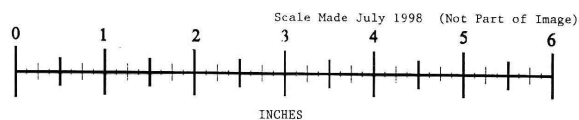
WELL LOG
PINYON FLATS CAMPGROUND
Shamrock Drilling Company
Dan Laughlin - Driller
Esplanada, New Mexico

Contract 14-10-0333-1048

Started July 17, 1963 - Completed August 1, 1963
GREAT SAND DUNES NATIONAL MONUMENT

By L. Sando 8/19/63.

NM-GSD-7112



Other Supporting Information

Owen Williams

OK

September 28, 1988

L54(479)
RMR/CRSA General

Mr. Steve van Diver
Colorado Division of Water Resources
Colorado Water Division No. 3
Alamosa County Courthouse
Alamosa, CO 81101

Alamosa, CO 81101

Re: Location of Well #2, Permit No. 04331-F, at Great Sand Dunes National Monument in Colorado Water Division No. 3, Case No. 81CW163

Dear Mr. van Diver:

I was requested by John Hill of the U.S. Department of Justice, during settlement discussions on September 22, to clarify the location of a well at Great Sand Dunes National Monument in Colorado Water Division No. 3. The well driller's log for Well #2, Permit No. 04331-F, is in error, locating the well in Section 26. The actual location of Well #2, is as shown in the proposed Consent Decree in Case No. 81CW163; that is, the SW1/4 NE1/4 Sec. 35, T. 26 S, R. 73 W.

If you have any questions please contact me at (303)221-8301.

~~Kenneth Overmire~~

for Owen R. Williams
Chief, Water Rights Branch

FNP:BVaelkel:bv:(303)221-8323:9/26/88:#90

NSN 7540-00-634-4105

RR: RMR-ML-Mekeel/ Info. Supply

PREVIOUS EDITION USABLE

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

1. DATE OF ORDER Feb. 2, 1983		2. CONTRACT NO. (if any) Govt.		3. ORDER NO. PX 1200-3-0409		PAGE 1 OF	
4. ISSUING OFFICE National Park Service RMRO 655 Parfet St. P.O.Box 25287 Denver CO. 80225							
5. ACCOUNTING AND APPROPRIATION DATA 1262-0001-414-G (2600) 39K							
6. SHIP TO (Consignee and Address, ZIP Code) William L. Mekeel RMR-ML 655 Parfet St. P.O.Box 25287 Denver, CO. 80225						VIA Best Way	
7. TO: CONTRACTOR (Name, Address, ZIP Code) State of Colorado Division of Water Resources Room 818 1313 Sherman St., Denver, CO. 80203					8. TYPE OF ORDER ☐ (a) Purchase Reference your _____ Please furnish the following on the terms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of _____ ☒ (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.		
9. REQUISITION OFFICE					10. REQUISITION NO./PURCHASE AUTHORITY		
11. F.O.B. POINT Origin		12. GOVERNMENT B/L NO. N/A		13. DELIVERY TO F.O.B. POINT ON OR BEFORE 1-30 days AND		14. DISCOUNT TERMS Net	
15. SCHEDULE *See reverse for rejections							
Item No. (a)	Supplies or Services (b)		Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted* (g)
	Application for water rights in Great Sand Dunes National Monument for well No. GRSA 352673CF04, filing fee		1	fee	(Estimate)	\$25.00	
16. CLASSIFICATION: ☐ SMALL BUSINESS ☒ OTHER THAN SMALL BUSINESS ☐ MINORITY BUSINESS ENTERPRISE						15. (h) Total from continuation pages	
SEE BILLING INSTRUCTIONS ON REVERSE	17. SHIPPING POINT		18. GROSS SHIPPING WEIGHT		19. INVOICE NO.		15. (i) GRAND TOTAL
	20. MAIL INVOICE TO (Include ZIP Code) National Park Service RMR-AF 655 Parfet St. P.O.Box 25287 Denver CO. 80225					est \$25.00	
21. UNITED STATES OF AMERICA BY (Signature) <i>Leslie J. Powell</i>			22. NAME (Typed) Leslie J. Powell Regional Purchasing Agent TITLE: CONTRACTING/ORDERING OFFICER				

ORDER FOR SUPPLIES OR SERVICES

147-108

STANDARD FORM 147 (REV. 2-77)
Prescribed by GSA, FPR (41 CFR) 1-3.605



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)MW

JUL 3 1980

John Hill, Jr., Esq.
Trial Attorney
Department of Justice
Land and Natural Resources Division
Denver Federal Building
1961 Stout Street
Drawer 3607
Denver, Colorado 80296

Dear Mr. Hill:

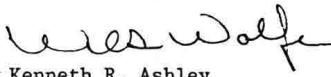
Enclosed are the Water Division 3 applications and related materials for National Park Service water rights claims at Great Sand Dunes National Monument.

We are including claims for three ditches within the monument that were acquired when certain lands were purchased. Since none of the three ditches have been used for many years, it appears they would be considered abandoned under Colorado law. However, inasmuch as it is our understanding that such rights cannot be abandoned we are submitting the claims including copies of the original filings. The only use contemplated for the ditches is for historical interpretation of the area.

The reserved rights for the monument consist of a number of intermittent streams and springs. One spring, Denton Spring, located in the extreme southeast corner of the monument, maintains a somewhat more consistent flow, and a claim for the spring is included herewith. As you know determination of the flow of an intermittent spring is virtually impossible so the estimate of .02 c.f.s. might be difficult to establish and defend. The use of the spring is for wildlife water and to maintain the natural integrity of the area.

If you need further information please call either Bill Mekeel or Ron Hermance at 234-5997.

Sincerely yours,


for Kenneth R. Ashley
Associate Regional Director
Park Operations
Rocky Mountain Region

Enclosures



STATE OF COLORADO

COUNTY OF JEFFERSON

)
)
)

ss.

Kenneth R. Ashley, being first duly
sworn, upon oath, deposes and says that (s)he has read the
foregoing application, knows the contents thereof, and that
the same are true.

Kenneth R. Ashley
APPLICANT

Subscribed and sworn to before me this 27th day of

June, 19 80.

Mary Esther Greenwalt
Notary Public

NATIONAL PARK SERVICE
ROCKY MOUNTAIN REGIONAL OFFICE
DIVISION OF WATER RESOURCES
655 PARFET STREET
DENVER, COLORADO 80225

GENERAL PROVISIONS FOR WATER WELL DRILLING

GP-1 DESCRIPTION OF WORK

THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AND PERFORM ALL WORK REQUIRED FOR THE DRILLING, CASING, GROUTING, DEVELOPING AND PUMP TESTING OF A WATER WELL LOCATED WITHIN Great Sand Dunes N.M. IN THE STATE OF CO. FOR THE GENERAL LOCATION OF THE WELL SITE SEE THE MAP ATTACHED HERETO.

GP-2 TYPE OF WELL AND DETAILS

THE WELL SHALL BE OF A SINGLE CASING TYPE. THE DEPTH OF THE WELL IS ESTIMATED TO VARY FROM 250 TO 350 FEET. THE CONTRACTOR MAY, AT HIS DISCRETION, DO THE DRILLING EITHER BY THE CABLE TOOL OR ROTARY DRILL METHOD. THE WELL SHALL BE DRILLED A MINIMUM OF SIX (6) INCHES IN DIAMETER AND SHALL BE STRAIGHT AND PLUMB.

- 2a CASING SHALL BE CONSTRUCTED OF SIX (6) INCH BLACK STEEL PIPE NOT LESS THAN .280 INCHES THICK, WEIGHING NOT LESS THAN 18.97 POUNDS PER LINEAL FOOT. JOINTS MAY EITHER BE WELDED OR WITH STANDARD THREADS AT THE DISCRETION OF THE CONTRACTOR. PERFORATED CASING, WHERE REQUIRED, SHALL BE PERFORATED WITHIN SUCH SECTIONS OF THE WELL AS DIRECTED BY THE CONTRACTING OFFICER. PERFORATIONS SHALL BE EITHER A PUNCHED PERFORATION (3/8 INCH DIAMETER) OR SLOTS (1/8 x 22 INCHES) BURNED WITH AN ACETYLENE TORCH EVENLY AND UNIFORMLY SPACED ON THE SURFACE OF THE CASING.

GP-3 DEVELOPING THE WELL

AFTER DRILLING OF THE WELL HAS BEEN COMPLETED THE CONTRACTOR SHALL DEVELOP AND CLEAN OUT THE WELL. THE WELL SHALL BE DEVELOPED WITH A SUITABLE SURGE PLUNGER OR OTHER SIMILAR DEVICE DESIGNED TO DEVELOP WELLS IN THE WATER BEARING FORMATION ENCOUNTERED. IF WATER IS DEVELOPED IN A FORMATION REQUIRING A GRAVEL PACK, THE CONTRACTOR SHALL PLACE GRAVEL IN THE ANNULAR SPACE BETWEEN THE WALL OF THE HOLE AND THE PERFORATED CASING. DEVELOPMENT SHALL BE CONDUCTED TO GIVE THE MAXIMUM PRACTICAL YIELD OF WATER PER FOOT OF DRAWDOWN AND TO EXTRACT FROM THE WATER BEARING FORMATION THE MAXIMUM QUANTITY OF SUCH FINE MATERIALS AS MAY, DURING THE LIFE OF THE WELL, BE DRAWN INTO THE WELL CASING WHEN THE WELL IS PUMPED UNDER MAXIMUM CONDITIONS OF DRAWDOWN. AT THE CONCLUSION OF THE DEVELOPMENT THE WELL SHALL BE CLEANED OF ALL ACCUMULATIONS OF SEDIMENT TO THE FULL DEPTH OF THE WELL.

GP-4 PUMP TESTING

THE CONTRACTOR SHALL FURNISH, INSTALL AND OPERATE ALL PUMPING EQUIPMENT NECESSARY TO ASCERTAIN THE MAXIMUM PUMPING RATE THE WELL CAN SUSTAIN WITHOUT UNDUE DRAWDOWN. HE SHALL THEN PUMP THE WELL AT THIS RATE FOR A PERIOD OF TIME SPECIFIED BY THE CONTRACTING OFFICER. THE CONTRACTOR'S ESTIMATE SHOULD INCLUDE AN HOURLY CHARGE FOR PUMP TESTING.

GP-5 GROUTING

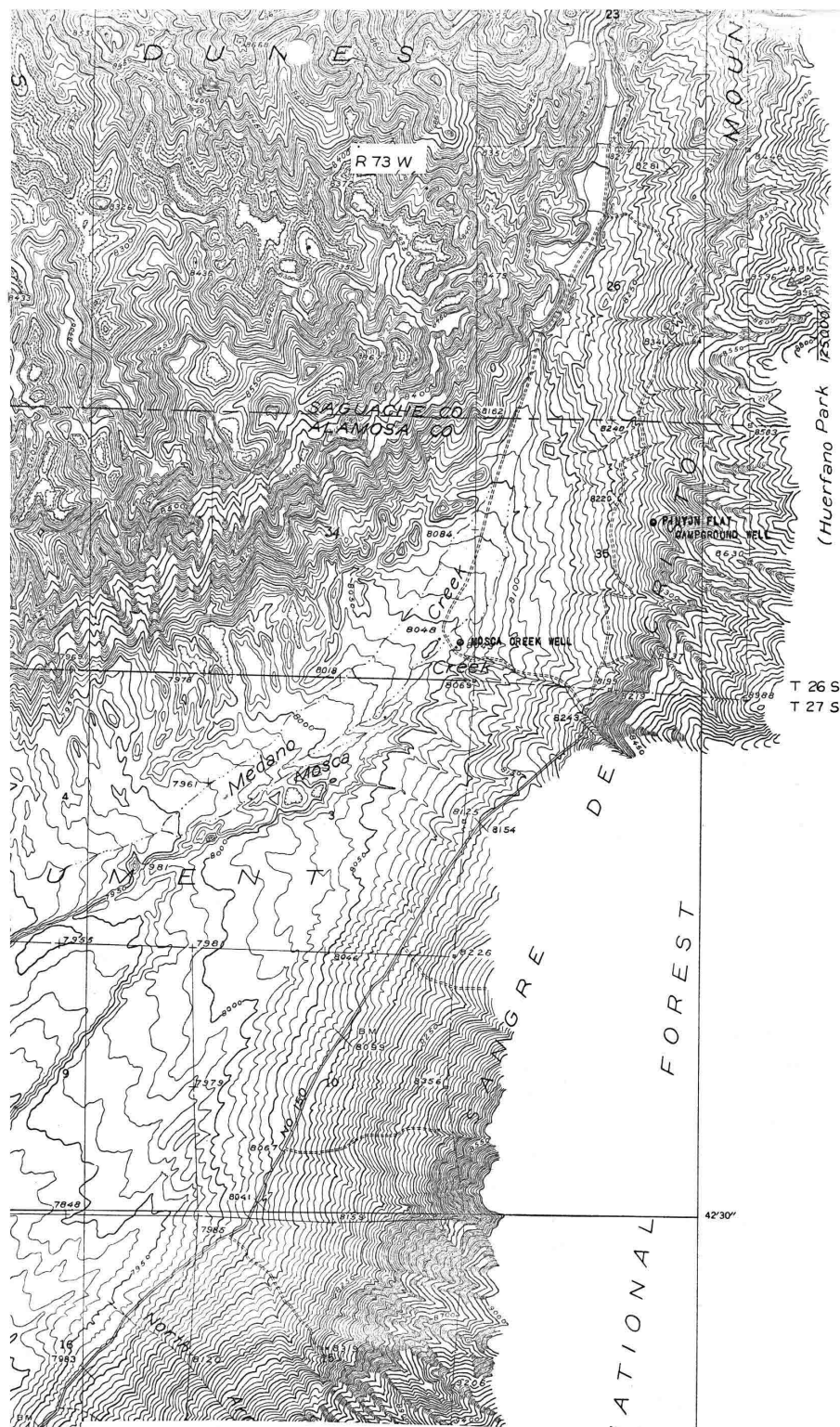
UPON ACCEPTANCE OF THE WELL BY THE CONTRACTING OFFICER, THE UPPER TEN (10) FEET OF THE BORE SHALL BE REAMED TO NOT LESS THAN A DIAMETER OF EIGHT (8) INCHES GREATER THAN THE CASING O.D., THE CASING CENTERED AND GROUTED. GROUT SHALL CONSIST OF ONE (1) PART PORTLAND CEMENT AND THREE (3) PARTS SAND AND SUFFICIENT WATER TO MAKE A WORKABLE MIXTURE. THE GROUT SHALL BE PLACED IN SUCH A MANNER THAT SURFACE WATER AND OTHER IMPURITIES WILL BE PREVENTED FROM ENTERING THE WELL BY INFILTRATION ALONG THE BORE OR CASING.

GP-6 LOGGING THE WELL

THE CONTRACTOR SHALL KEEP AN ACCURATE DAILY LOG AND RECORD OF THE WELL. SAMPLES OF EACH STRATUM SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN TEN (10) FEET AND PRESERVED IN RECEPTACLES TO BE FURNISHED BY THE CONTRACTING OFFICER. THE LOG OF THE WELL SHALL SHOW ALL MATERIAL PENETRATED AND FULL DESCRIPTIVE NOTES MADE OF EVERYTHING FOUND BY THE DRILL AND ALL DIFFICULTIES OR UNUSUAL CONDITIONS MET IN THE DRILLING. UPON COMPLETION OF THE WELL THE LOG SHALL BE DELIVERED TO THE CONTRACTING OFFICER.

GP-7 PROTECTION OF THE SITE

THE CONTRACTOR SHALL PROTECT ALL STRUCTURES, TREES, SHRUBBERY, ETC. DURING THE PROGRESS OF HIS WORK; HE SHALL REMOVE ALL CUTTINGS, DRILLINGS, DEBRIS AND UNUSED MATERIALS AND SHALL UPON COMPLETION OF THE WORK RESTORE THE SITE AS NEARLY AS POSSIBLE TO ITS ORIGINAL CONDITION. WATER PUMPED FROM THE WELL SHALL BE CONDUCTED TO A PLACE DESIGNATED BY THE CONTRACTING OFFICER WHERE IT WILL BE POSSIBLE TO DISPOSE OF IT WITHOUT EROSION OR OTHER DAMAGE TO PROPERTY OR THE CREATION OF A NUISANCE.



Form 10-174
(June 1962)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FACE SHEET FOR COMPLETION REPORT

Park GREAT SAND DUNES NATIONAL MONUMENT		Region Southwest	Order No. GRSA (7th Revision)
Location in Park Pinyon Flats Campground		State(s) Colorado	Fund Symbol 11X1035
☒ Contract and/or ☒ Day Labor		County or Counties Alamosa	Year Programmed 1963 & 1964
Work Order Title New Campground, Water Line, U-23, Sewer Line U-24, Campground Development (160 Sites), M-12-2, Comfort Stations (5), B-21-1		Master Plan No. 106-000-3028	PCP No. B-21-1, U-23, U-24, M-12-2
		Master Plan Corrected By V. Anderson	Date Started July 11, 1963
		As Built Drawings By T. Lippert	Date Completed April 24, 1965
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)		TOTAL COSTS (For completion by FFO)	
Const. Costs			
100.6 Buildings, Visitor Use:		54,183.60	
# 19, Comfort Station \$ 9,342.00			
# 20, Comfort Station 9,342.00			
# 21, Comfort Station 9,342.00			
# 22, Comfort Station 9,342.00			
# 23, Comfort Station 9,342.00			
100.8 Utilities:			
Water Systems \$ 30,867.64		35,806.46	
Sewer Systems 20,304.00		23,552.64	
Electrical Systems 1,600.00		1,856.00	
100.9 Grounds and Other Improvements:			
Campgrounds \$ 34,100.23		39,556.27	
Total \$133,581.87			
TOTAL		\$ 154,954.97	

DISTRIBUTION	THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES		
No. To	Submitted	Title	Date
1 WASO-D&C	By: <u>Thomas L. Lippert</u>	<u>Project Supervisor</u>	<u>11/24/64</u>
1 WODC	Approved: <u>Harold F. Schaafsm</u>	Title:	Date:
1 RD-GW	By: <u>Harold F. Schaafsm</u>	<u>Superintendent</u>	<u>6/22/65</u>
1 SWRO-FFO	COSTS VERIFIED	Title: <u>James W. Mardis</u>	Date:
1 Area Files	BY: <u>James W. Mardis</u>	<u>Supervisory Accountant</u>	<u>8/17</u>

DESCRIPTION OF FACILITIES UNDER PROJECT B-7 GRSA

BUILDING, VISITOR USE: Comfort Stations (5) Nos. 19, 20, 21, 22 & 23, one story building of concrete block, painted interior walls, bare concrete floors, flat roof built-up composition. Womens side is equipped with three stools and two lavatories, mens side has two stools a urinal and two lavatories. One room with utility sink and another room for utility purposes. Utilities available are electricity, water and sewer. Buildings are not heated.

Location of Property in Area (Including State): Pinyon Flats Campground - Colorado

How Asset Acquired: Appropriated Funds

Name of Contractor: Construction Investment Co., Denver, Colorado

WATER SYSTEM - This system consists of the following:

Well-140' 8" casing and 174' 6" casing including 34 feet perforated, 6" concrete seal first 10'.

1,100 LF 4" Class 150, Cement lined CI pipe	1 - 1" Air Relief Valve w/CMP box
550 LF 3" Std. Galvanized Steel pipe	1 - 50,000 Gallon Steel Water Reser-
1,350 LF 2" Std. Galvanized Steel pipe	voir w/concrete box and valve
250 LF 1" Std. Galvanized Steel pipe	1 - pump house w/heater
50 LF 6" cast iron soil pipe for valve drain	5 - water stations, complete
1 - 4" Gate Valve w/CI valve box	1 - Reda 5hp single phase submersible
8 - 2" Gate Valve w/CI valve box	pump
5 - 1" Gate Valve w/CI valve box	60 LF 3/4" Std. galvanized Steel pipe

Location of Property in Area (Including State): Pinyon Flats Campground - Colorado

How Asset Acquired: Appropriated Funds

Name of Contractor: Construction Investment Co., Denver, Colorado
Shamrock Drilling Co., Espanola, New Mexico

SEWER SYSTEM - This system consists of the following:

200 LF 6" VC Pipe	1 - Sanitary Station w/Water Towers
5 - 2,000 Gal. Septic Tank	90 LF 4" CI Soil Pipe
750 LF Absorption Trench	30 LF 4" VC Pipe
5 - Cleanouts	2 - 4" CI Cleanouts

Location of Property in Area (Including State): Pinyon Flats Campground - Colorado

How Asset Acquired: Appropriated Funds

Name of Contractor: Construction Investment Co., Denver, Colorado

ELECTRICAL SYSTEM - This system consists of the following:

NEW CAMPGROUND

**WATER SYSTEM, U-23-1, SEWER SYSTEM, U-24-1,
CAMPGROUND DEVELOPMENT (160 Sites), M-12-2,
COMFORT STATIONS (5), B-12-1,
WORK ORDER B-7, GRSA (Fifth Revision)**

Plans and specifications for the new campground, Great Sand Dunes National Monument, Colorado were prepared by the Western Office of Design and Construction in San Francisco, California.

Revised Preliminary Drawings entitled, Campground Development, Great Sand Dunes National Monument, No. NM-GSD-3030-A, signed by Mr. Sanford Hill, Chief, WODC on June 7, 1963, were submitted to the Southwest Regional Office and were subsequently approved by Regional Director Allen on June 25, 1963.

Working Drawings, Campground Water and Sewer System, Great Sand Dunes National Monument, Colorado, No. NM-GSD-3031 (5 sheets) were signed by Mr. Sanford Hill, Chief, WODC on July 3, 1963 and concurred with by Mr. C. E. Richey, USPHS on the same date. Working Drawings, Comfort Stations (FY 63), New Campground, Great Sand Dunes National Monument, Colorado, No. NM-GSD-3032 (12 sheets) were signed by Mr. Sanford Hill, Chief, WODC on May 17, 1963, recommended by Mr. J. S. Terzich, USPHS on May 16, 1963 and approved by Mr. Thomas C. Allen, Regional Director on May 31, 1963. Working Drawings, Campground Roads, Great Sand Dunes National Monument, Colorado, No. NM-GSD-3032 (12 sheets) were prepared in compliance with the Preliminary Drawings No. NM-GSD-3030-A as described above. Part of the Campground Development was included in this set of drawings. Working Drawings, Campground Facilities, Pinyon Flats, Great Sand Dunes National Monument, No. NM-GSD-3033 (3 sheets) completed the set of plans.

WATER AND SEWER SYSTEMS

Because of the remoteness of the new campground area from existing facilities located in the monument, the design of the utilities system required a new water well and individual water distribution and sewer disposal systems to serve the area.

The first phase of the project was initiated by the awarding of the well drilling and development contract. Invitation for bid for "Drilling of a Water Well, Campground, Great Sand Dunes National Monument, Colorado" was advertised on May 2, 1963. Two bids were received at the Southwest Regional Office by bid opening time, 3:00 P.M., June 4, 1963. The low and high bids were \$8,352.50 and \$15,092.50 respectively. The government estimate was \$9,420.00. The low bid, submitted by the Shandrock Drilling Company of Espanola, New Mexico, was approved and awarded Contract No. 14-10-0333-1040 was made on June 24, 1963.

Harold F. Schaafsma, Superintendent, Great Sand Dunes National Monument was appointed Contracting Officer for the contract. The Contracting Officer issued a Notice To Proceed on July 16, 1963. Mr. Dan Laughlin, owner of the Shamrock Drilling Company, returned the signed Notice To Proceed dated July 16, 1963. The Contractor was notified by letter dated July 19, 1963 that his contract beginning date would be July 17, 1963 and that the expiration date would be September 14, 1963, giving a contract period of 60 calendar days. The contract period was extended one day to a new completion date of September 15, 1963, by reason of a stand by order issued on July 19, 1963. The Stand by order was required because of the necessity for obtaining a chemical analysis of a water sample taken from the well when water was first encountered.

A preconstruction conference was held on July 16, 1963, at the Southwest Regional Office. Those in attendance were Mr. Ray Martinez, SWRO, Mr. Harold Schaafsma, Superintendent GKSA, Mr. Tom Lippert, Project Supervisor, WODC, and Mr. Dan Laughlin, Owner, Shamrock Drilling Company.

At the time that the plans and specifications were prepared for the contract only one well existed. The developed well, serving the existing monument, was drilled to a depth of 240 feet and was located one mile southwest at an elevation 193 feet lower than the proposed well. With this information and because of the uncertainty of the geological formations that might be encountered it was decided to prepare the contract calling for a total depth of 530 feet in the new well.

The contract called for the drilling and developing of a water well, placing 8" steel casing from the ground surface to 150 feet, placing a 6" steel casing from 150 feet to 500 feet and installing 30 linear feet of 6" perforated steel casing in the water bearing strata.

Drilling operations commenced on July 11, 1963 under Colorado State Permit No. 4331 F. Shamrock Drilling Company, a New Mexico chartered company was in possession of a temporary Colorado State Drilling license.

Water was first encountered at a depth of 140 feet in a strata of coarse sand and gravel. The initial flow was estimated to be 20 -25 gpm indicating a water sample should be taken since such a flow might prove adequate upon further development. The water sample was taken and submitted to the Adams State College Chemistry Department for quality analysis. Facilities at Adams State, located at Alamosa, Colorado, were used because of its proximity to the project and because time was of the essence since the contractor was on standby time. The water proved to be very good quality with only two ions present out of a total of 24 ions tested. Of the two ions found present in the sample, Na⁺ and Cl⁻, there was estimated to be only 22 ppm total residue in the concentration.

Upon obtaining the test results of the water sample the contractor was instructed to deepen the well to determine the extent of the water bearing strata. At a depth of 17 1/2 feet a dirty sandy clay material was encountered. It appeared to be fairly impervious to water indicating that the water bearing strata probably ended at this depth. The drilling was continued to 180 feet to learn the extent of this sandy clay strata and since the material continued to this depth it was decided that further drilling would be unnecessary. The well was cased, surged and test pumped to determine the maximum flow available. Test results indicated that the maximum practical yield was in excess of the contract required 50 gpm. The available drawdown, from the static water level to the top of the 30 foot perforated casing, is 36 feet with a specific capacity of 1.75 gpm per foot of drawdown.

With the completion of the pump tests the contractor was informed that the well was satisfactory. A letter requesting a release of claims against the Government was sent to the contractor and was signed "NO EXCEPTIONS" dated August 6, 1963. Upon receipt of the release the final pay estimate in the amount of \$4,641.50 was prepared and submitted for final payment. No liquidated damages were assessed since the contract was completed prior to the expiration date. The letter of acceptance dated August 5, 1963. The Contracting Officer.

Attached is a copy of the final payment estimate. This information is a list of construction items, their quantities, unit cost and total cost and is provided to give a description of the fixed assets provided by this contract. Also attached is a sketch showing the location of the well and its relation to other facilities located in the Monument.

Second phase of the Campground project consisting of a packaged contract entitled, Construction of Main Access and Campground Roads, Facilities, Comfort Stations and Utilities was commenced after the awarding of contract No. 14-10-0333-1125 to the Construction Investment Company of Denver, Colorado.

The invitation for bid for the above contract was advertised on July 16, 1963. Five bids were received at the Southwest Regional Office by bid opening time, 3:00 P.M., August 21, 1963. Low and high bids for all four schedules and two alternates were \$189,805.40 and \$239,395.00, respectively. The government estimate for the four schedules plus alternates was \$209,606.00.

By letter dated August 23, 1963, the Construction Investment Company, low bidder, claimed an error had been made in his bid. The contractor maintained that in bid item No. 3, under Schedule III, Alternate B, Wood Burning Fireplace, installed, a clerical error had been made in the unit price column. In the bid initially submitted the unit price for this item read \$15.00 each for installing 40 fireplaces and the contractor wished to correct this item to read \$50.00 each. The extension in the amount column for the 40 fireplaces showed a total bid of \$6,400.00 indicating that the intent was to bid the \$50.00 as claimed.

The matter of the claimed error in the bid was referred to the Director, Division of Property Management, Office of the Secretary, on August 29, 1963 for determination. A decision was made on September 3, 1963 and signed by the Director, Division of Property Management, favoring the contractor's claim. Notification of the decision was made by telegram to the Regional Office dated September 6, 1963. The contractor was given permission to change his bid by letter dated September 12, 1963. The letter went on to state, however, that the item would be deleted from the project by change order since the total amount of the contract would exceed the funds available for the project if the item remained in the contract. Change Order No. 1, dated October 1, 1963, deleted the item from the project and reduced the amount of the contract \$6,400.00.

Notice of Award was issued September 13, 1963, the Notice to Proceed was issued September 30, 1963 and the contractor acknowledged the receipt of same on October 3, 1963. By letter dated October 8, 1963, the beginning date of the contract was established as October 4, 1963 and expiration date as March 1, 1964.

A preconstruction conference was held at the Office of the Superintendent, Great Smoky Mountains National Park, TN. The conference was attended by Mr. H. Wayne Norrell, Superintendent, Mr. Tom Lippert, Project Supervisor WODO, and representatives of the Construction Investment Company were Mr. Ray Shavlik, President, Mr. Billy Evans, Superintendent of the project and Mr. Don Odell.

Construction operations commenced on October 14, 1963. The Contractor subsequently awarded subcontracts to the American Steel and Iron Works, Inc., Denver, Colorado for the erection of the 50,000 gallon steel water reservoir, to Mr. Ray Odell for the block work on the Comfort Stations and to Valley Roofing Company, Alamosa, Colorado for applying the built up roofing material. Remaining items in the contract were accomplished by the prime contractor.

The water system is composed of the well, as described earlier, a 50,000 gallon steel reservoir tank, and a distribution network consisting of 1,100 linear feet of 4" cement lined cast iron pipe, 550 linear feet of 3" standard galvanized steel pipe, 2,061 linear feet of 2" standard galvanized steel pipe and the necessary appertenances required for drainage purposes during the winter off season when the campground is not used. The system serves the five comfort stations built under this contract, the sanitary trailer station added to the project by Change Order No. 3 and the site where the proposed campground Ranger Station is to be located. Until the Ranger Station is constructed a temporary house trailer will be set up and will therefore use the facilities planned for the station. It was necessary to install the utilities to the proposed Ranger Station since the supply line from the water source passed under the paved access road. This precludes any necessity of tearing up the pavement to construct the system in the future.

The water distribution system was designed so that the water would be pumped from the well by a single phase 5 hp Reda submersible pump to the steel reservoir tank and then distributed to the various units by gravity flow. The well and pump are protected by a small 4' x 4' x 4' plywood structure that also houses the pump controls. Water level in the reservoir tank is controlled by float switch located inside the tank. Because of the severe climate in south-central Colorado during the winter it was determined that the campground would not be used during the colder months and therefore the water system could be drained at the end of the camping season to prevent freezing. The water lines were buried a depth of three feet. The soil encountered during the excavation for the lines was generally of a fine sandy nature.

The sewage disposal system consists of individual septic tanks draining into absorption trenches for each comfort station. A combined use septic tank was provided to serve the sanitary station and the proposed Ranger Station. Temporary hookups can be made to serve the house trailer.

Septic tanks are 2,000 gallon, two compartment, reinforced concrete structures with inspection and cleanout manholes located at each end of the unit. Absorption trenches are three feet wide with 4" vitrified clay tile. The tile was laid on a 6" mat of coarse gravel at the bottom of the trench and covered with 4" of soil. Trenches have a total usable length of 100 feet for each septic tank. A percolation rate of 5 gpm per square foot was used as a design basis for the absorption trenches.

CAMPGROUND DEVELOPMENT

The original project was advertised calling for the constructions of 160 campsites with accompanying parking spurs, dispersed in three areas with interconnected loop roads. Award of the contract was made based on this design. By letter addressed to the Chief, WODC dated August 30, 1963 Regional Director Beard suggested part or all of one of the loops be changed from individual to group camping. Since no construction had commenced at that time, the smallest of the three loops, loop 3, was restaked to develop an area suitable for group use.

This change was accomplished without benefit of a change order in the contract. Since the payment items for constructing group campsites would be the same as in individual campsites the contractor was agreeable to using a square yardage conversion factor for arriving at the quantities involved.

The completed campground contains 118 individual campsites located in two loops and 9 group campsites located in the third loop. The smaller of the two individual loops has 63 sites; the larger has 55 sites.

OPTIONAL FORM NO. 10
5010-108

UNITED STATES GOVERNMENT

Memorandum

L54

GRSA

TO : Acting Regional Chief of Lands

FROM : Superintendent, Great Sand Dunes

SUBJECT: Pinyon Flat Campground Well Data, Great Sand Dunes

RECEIVED	
NPS SOUTHWEST REGIONAL OFFICE	
AUG 19 63	
	Date
Regional Director	
Administration	
Resource Planning	
Public Affairs	
Program Coord.	
Operations	
Concessions	
Natural History	
Historic & Archaeology	
Ranger Services	

Bill, I checked with Project Supervisor Tom Lippert on your inquiry, above subject, and he informs me that with reference to water level at start of testing it should have read 104 feet instead of 140 feet.

We trust this clarifies the error.

Harold
Harold F. Schaafman
Superintendent

x Fields

L54 Hae

Southwest Region
Santa Fe, New Mexico

154
GRSA

AUG 9 1963

Memorandum

To: Superintendent, Great Sand Dunes
From: Acting Regional Chief of Lands
Subject: Pinyon Flat Campground Well Data, Great Sand Dunes

This office is in receipt of the chemical analysis of the water from the subject well dated August 2 and also the log of the well and pumping test data which you transmitted on August 6. The chemical analysis and the well log are both very clear. However, the record of the test pumping at this well is slightly confusing.

This record shows that the static water level at the start of the test was 140 feet. The pump was started at 2:00 PM on July 29 with no water level indicated and at 3:00 PM the water level is shown at 110 feet while pumping at 20 gpm. This indicates a rise in the water level of some 30 feet after the start of pumping. The record further indicates that after 26 hours of pumping the water level was still at 132 feet or 8 feet above the indicated static water level.

Would you please clarify this? Perhaps the water level at the beginning of the test was not 140 feet.

(SIGNED)

William E. Fields

OPTIONAL FORM NO. 10
5010-106

UNITED STATES GOVERNMENT

Memorandum

TO :Regional Chief of Operations and Maintenance DATE:

FROM :Acting Superintendent, Great Sand Dunes *act*

SUBJECT:Test Results on New Well, Pinon Flats Campground Area

Attached please find two copies of the subject test data. Mr. Ginoza is *working on it*
 a Graduate Student at Adams State College and was supervised by Mr. *act: [initials]*
 Richardson throughout the operations. *1 Fields*
moran

H. Wayne Norton
 H. Wayne Norton

D5039 Green

RECEIVED		AUG 5 1968	
	Services	Date	
Regional Director			
Gen. Information			
Administration			
Public Planning			
Public Affairs			
Program Coord.			
Operations			
Construction			
Natural History			
Wildlife/Archaeology			
Ranger Services			

Water Analysis
for
United States Dept. of Interior
Great Sand Dunes National Monument

Method used: Semimicro qualitative technique (Regular qualitative scheme). The scheme used can be found in the text, Introduction to Semimicro Qualitative Chemical Analysis by Louis J. Curtman. It can also be found in the Laboratory Manual and Work Book for General Chemistry by Richard L. Barrett.

Ions Present: Na^+ , Cl^-

Ions found to be absent: Ag^+ , Pb^{++} , $\text{Hg}_2^{++}(\text{pus})$, Hg^{++} , Bi^{+++} , Cu^{++} , Cd^{++} , As^{+++} , Sb^{+++} , Sn^{+++} , Al^{+++} , Cr^{+++} , Fe^{+++} , Fe^{++} , Mn^{++} , Co^{++} , Ni^{++} , Zn^{++} , Ba^{++} , Sr^{++} , Ca^{++} , K^+ .

<u>Material tested</u>	<u>Reagent</u>	<u>Result</u>	<u>Interpretation</u>
Group I	HCl	No ppt.	Absence of group I
Group II	H_2S	No ppt.	Absence of group II
Group II	Thioacetamide	No ppt.	Absence of group II
Group III	$(\text{NH}_4)_2\text{S}$	No ppt.	Absence of group III
Group IV	$(\text{NH}_4)_2\text{CO}_3$	No ppt.	Absence of group IV
Na^+	Flame test	Yellow flame	Presence of Na^+
Cl^-	AgNO_3	White ppt.	Presence of Cl^-
K^+	Flame test	No flame	Absence of K^+

Groups II & III were retested by increasing the concentration of the ions present by boiling the water until the final volume was approximately one fifth the original volume. In other words, the concentration of any ions present was increased by a factor of 5.

A small portion of the solution was completely evaporated and only small traces of residue remained. Dr. Richardson, the chemistry professor here, examined the residue and estimated the total concentration of the total concentration of the solution to be probably not exceeding 10 ppm. The whole process above was carried out after any insoluble material was centrifuged.

Yours Truly,

Edwin Gineza

Edwin Gineza
Adams State College

(Under
of 600)

RECEIPT		Date <u>June 17</u> 19 <u>63</u>	No. 4331
Received From <u>U.S.D.I. National Park Service</u>			
Address <u>Southwest Region, Santa Fe, N. Mexico</u>			
Twenty five and no/100			Dollars \$ <u>25.00</u>
For <u>Minigal well permit</u>			
Order No. <u>RD 33-598</u>			
ACCOUNT		HOW PAID	
AMT. OF ACCOUNT		CASH	
AMT. PAID		CHECK	<u>13,928.58</u>
BALANCE DUE		MONEY ORDER	
		By <u>J. R. Whitten</u>	
		By <u>REK</u>	

8K 808 1 Rediform

Handwritten:
K. P.
SFC
8/2/63

Southwest Region
Santa Fe, New Mexico

154

Office of the State Engineer
Ground Water Administration
232 State Services Building
Denver 3, Colorado

Dear Sir:

We have enclosed two original copies of Form 9-62/16M, which is your standard form for an application to use ground water and to construct a well. We intend to drill this well in the near future at Great Sand Dunes National Monument in Alamosa County for municipal purposes. We have enclosed two signed originals in order that you may mark one "Duplicate" and return one signed original for our files.

The basic design of the water system has not been made and the contract to drill the well has not been let, therefore, we do not know what type or size of pump will be used nor do we know who the well driller will be. As soon as we have this information we will forward it to your office.

We have also enclosed Order-Invoice-Voucher No. RO 33-598 in the amount of \$25 to cover the fee for this application. Will you please sign the original and return it to this office and we will process it for payment. You may keep the other copy for your files.

Sincerely,

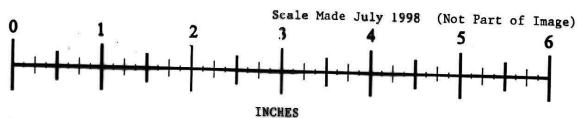
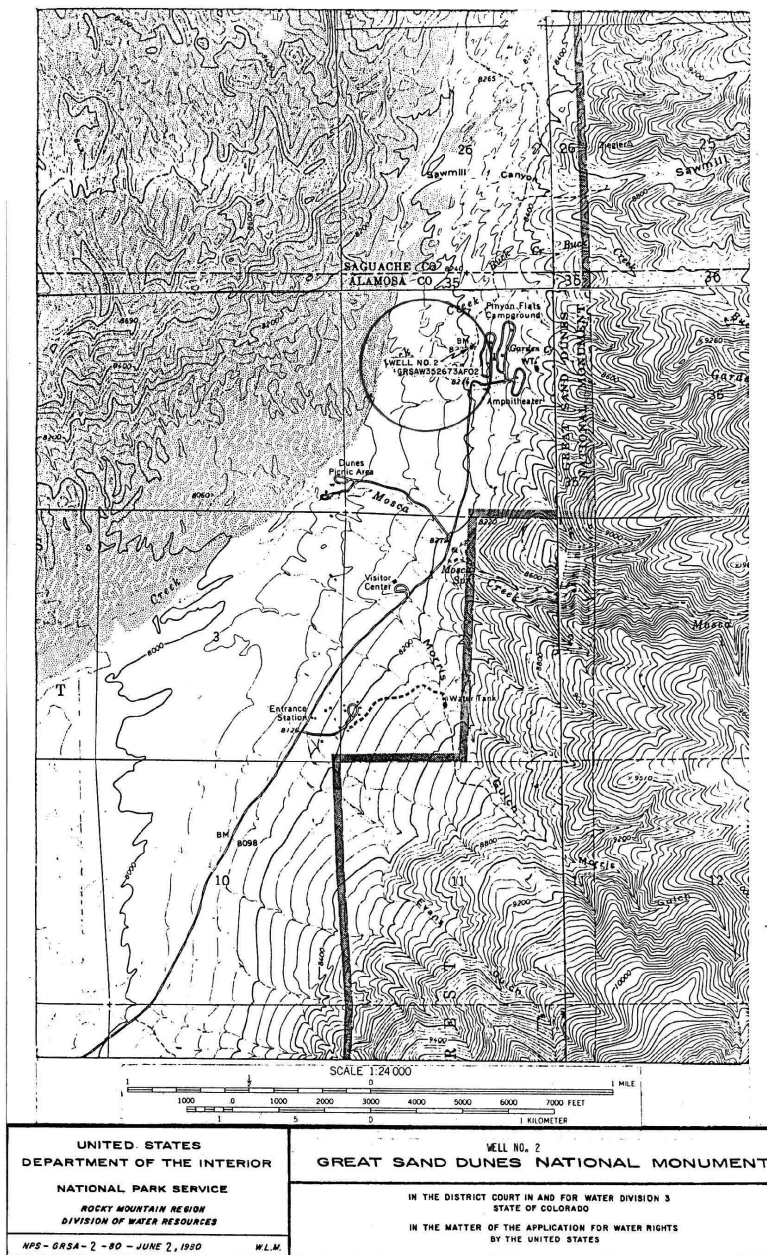
Leslie P. Arnberger
Assistant Regional Director
Resource Planning

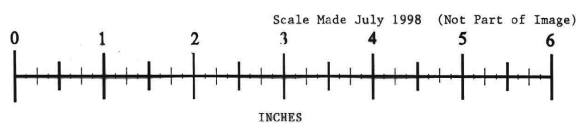
Enclosures

cc: Director (2)
WDC (2)
Superintendent, GRSA

Handwritten:
Permit # P-4331-F
check # 13,928.587

Maps and Miscellaneous Information





Number of Documents in Docket	75		
Documents Dated from	6/17/1963	to	10/24/1989
Docket Compiled:	3/29/2011		