



WATER-RIGHT DOCKET

Wupatki National Monument

Docket No: 5

CITADEL RUINS WELL

State Water Rights Documentation

06-11-1962: registration of existing well

DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

REGISTRATION OF EXISTING WELLS

READ INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING
PRINT OR TYPE - FILE IN DUPLICATE



REGISTRATION FEE (CHECK ONE)

EXEMPT WELL (NO CHARGE) ☒

NON-EXEMPT WELL - \$10.00 ☐

FOR OFFICE USE ONLY

REGISTRATION NO. 55- 649814

FILE NO. A(25-9)6CC9

FILED 6/14/82 AT 9:00

(DATE) (TIME)

INA _____

AMA _____

03

1. Name of Registrant: United States of America, National Park Service

P.O. Box 728 Santa Fe New Mexico 87501

(Address) (City) (State) (Zip)

2. File and/or Control Number under previous groundwater law:

35-

(File Number) (Control Number)

3. a. The well is located within the NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 6,
of Township 25 N/~~E~~, Range 9 E/~~N~~, G & SRB & M, in the
County of Coconino.

b. If in a subdivision: Name of subdivision Wupatki National Monument (Citadel Well),
Lot No. _____, Address Tuba Star Route, Flagstaff, Arizona 86001.

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
Future municipal and other park uses

5. If for irrigation use, number of acres irrigated from well N/A.

6. Owner of land on which well is located. If same as Item 1, check this box ☒

(Address) (City) (State) (Zip)

7. Well data (If data not available, write N/A)

a. Depth of Well 1788 feet

b. Diameter of casing 8 inches

c. Depth of casing 1780 feet

d. Type of casing Steel, welded, standard gage

e. Maximum pump capacity 17.6 gallons per minute.

f. Depth to water 1584 feet below land surface.

g. Date well completed January 25 1967
(Month) (Day) (Year)

8. The place(s) of use of water. If same as Item 3, check this box ☐. Observation well.
NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section _____ Township _____ Range _____
NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section _____ Township _____ Range _____

Attach additional sheet if necessary. Observation well.

9. DATE 6/11/82 SIGNATURE OF REGISTRANT [Signature]
Regional Director, Southwest Region

CHANGE OF WELL INFORMATION

Registration No. 55- 649814

I request the following information be changed in Well File Number A(25-9)6cca

Date _____, 19____ Signature of Well Owner _____

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, _____, state that I am (no longer) the
(new) owner of the well described below:

Township _____ Range _____ Section _____, _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$

Registration #55- _____ File No. _____

Previous Owner _____ New Owner _____

Address _____ Address _____

City _____ State _____ Zip _____ City _____ State _____ Zip _____

NOTE: ARS 45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE
CHANGES IN OWNERSHIP OR WELL
DATA SUCH AS PUMP CAPACITY, ETC.



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE
Water Resources Division
1201 Oak Ridge Drive, Suite 250
Fort Collins, Colorado 80525-5596

May 15, 2000

L54 (2380)
WUPA/Water Rights
PEFO/Water Rights
SUCR/Water Rights
WACA/Water Rights

Ms. Lisa M. Jannusch
Arizona Department of Water Resources
Adjudications Division
500 North 3rd Street
Phoenix, Arizona 85004

Re: Statement Of Claimant Form For Other Uses Amendment - File No.s 39-89220,
39-89222, 39-91444, 39-91445, 39-91446, and 39-91447.

Dear Lisa:

Attached you will find completed (signed and notarized) water rights claim forms for Wupatki National Monument, Petrified Forest National Park, Sunset Crater National Monument, and Walnut Canyon National Monument. The information you requested in your letter of December 3, 1999 has been provided on the attached forms.

Thanks again for your help with these claims. If we can do anything else please contact Jim Harte at (970) 225-3538.

Sincerely,

Charles W. Pettee
Chief, Water Rights Branch

Attachments (6)

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street, Phoenix, Arizona 85004

Telephone (602) 417-2442

Fax (602) 417-2401



December, 3, 1999

Charles W. Pettee
National Parks Service
Water Resource Division
1201 Oak Ridge Dr., Ste250
Fort Collins, Co 80525-5596

RE: STATEMENT OF CLAIMANT NO. 39

Dear: Claimant,

The Department of Water Resources has received your request to assign/amend a Statement of Claimant filed in the adjudication proceedings. The information you have supplied is **insufficient** to complete your request. **Please provide the information noted in bold below** so that we may continue to process your assignment or amendment.

Please complete the enclosed form(s) and return with all supporting documentation.

We cannot determine what Statement of Claimant is being referenced in your request. Please identify the file reference number (39-) of the Statement of Claimant you are assigning or amending.

All signatures must be acknowledged by a Notary Public.

Proof of ownership must be submitted with the original assignment form:
Copy of a RECORDED DEED, TAX VALUATION NOTICE, OR A TAX BILL.

Other:

Sincerely,

Lisa M. Jannusch

Administrative Assistant III

(602) 417-2442 / Toll-Free in Arizona 1-800-352-8488



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

Water Resources Division
1201 Oak Ridge Drive, Suite 250
Fort Collins, Colorado 80525-5596

September 30, 1999

L54 (2380)
WUPA/Water Rights
PEFO/Water Rights
SUCR/Water Rights
WACA/Water Rights

Diane Hanna, Surface Water Rights
Arizona Department of Water Resources
Adjudications Division
500 North 3rd Street
Phoenix, Arizona 85004

Re: Statement Of Claim Of Right To Use Public Waters Of The State Of Arizona –
Registry No.s (to be assigned)
Statement Of Claimant Form For Other Uses Amendment – File No.s 39-89220,
39-89222, 39-91444, 39-91445, 39-91446, and 39-91447.

Dear Ms. Hanna:

Attached you will find completed water rights claim forms for Wupatki National Monument, Petrified Forest National Park, Sunset Crater National Monument, and Walnut Canyon National Monument.

“Statement Of Claim Of Right To Use Public Waters Of The State Of Arizona” forms are filed for Peshlaki and Heiser Springs in Wupatki National Monument.

“Statement Of Claimant Form For Other Uses Amendment” forms are filed to amend the claimed priority dates for Peshlaki and Hesier Springs in Wupatki National Monument. Please note the “Registry Number” referred to in Items 2, 3, and 15 must be filled in after your office has processed the “Statement Of Claim” forms and assigned a Registry Number. Amended claims are also filed to amend the quantifiable present and future administrative consumptive uses for Petrified Forest National Park, Sunset Crater National Monument, and Wupatki National Monument, and to amend the boundary description for Walnut Canyon National Monument.

Please return signed and dated copies of the processed claim forms to our office. Contact

Jim Harte (970) 225-3538 with any questions you may have regarding these claims.

Sincerely,

A handwritten signature in cursive script, appearing to read "Charles W. Pettee".

Charles W. Pettee
Chief, Water Rights Branch

Enclosures

cc: Peter Fahmy
Andy Walch
Flagstaff Areas – Sam R. Henderson
PEFO – Michelle Hellickson

STATEMENT OF CLAIMANT FORM
FOROTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39-

Date Filed:

WFN

1. Claimant Name: United States of America c/o National Park Service (Walnut Canyon NM)Claimant Address: 1201 Oak Ridge Dr. Suite 250 City Fort CollinsState: Colorado Zip Code 80525-5596 Telephone 970-225-3500

2. Basis of Claim:

- A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____
- B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____ Permit No. _____, or Certificate of Water Right No. _____
- C. ☐ Decreed water right. Principal litigants, court, date and case no. _____
- D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____
- E. ☒ Other, describe: (see file No. 39-89220)

3. Claimed Priority Date: ____/____/____ (month/day/year) (see File No. 39-89220)-

4. Use:

- A. ☐ Municipal
- B. ☐ Commercial or Industrial
- C. ☐ Mining
- D. ☐ Stockwatering other than from a stockpond
- E. ☐ Recreation, Fish & Wildlife
- F. ☒ Other, describe: (see file No. 39-89220)

5. Source of Water: (see file No. 39-89220)

- A. ☐ Stream: name _____, tributary to _____
- B. ☐ Spring: name _____, tributary to _____
- C. ☐ Lake or Reservoir: name _____, tributary to _____
- D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required) (see file No. 39-89220)

____ 1/4, ____ 1/4, ____ 1/4, Section _____, Township _____ N/S, Range _____ E/W

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

- A. ☐ Instream pump.
- B. ☐ Gravity flow into a ditch, canal or pipeline.
- C. ☒ Well: Arizona Department of Water Resources Well Registration No. 55-629093
- D. ☒ Other, describe: (see file No. 39-89220)

¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

- A. ☐ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____
- B. ☒ Other, describe: (see file No. 39-89220) _____

10. Place of Use, If other than point of diversion: (attach additional sheet if required)County Coconino County

Legal Subdivision _____

Section _____

Township _____

Range _____

N/S

E/W

N/S

E/W

11. Claimed Right: (see file No. 39-89220)

- A. Maximum Flow Rate: _____
- ☐ cubic-feet per second
- ☐ gallons per minute
- ☐ Arizona miner's inches

B. Annual Volume of Water Use: 12 _____ acre-feet per Annum

C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.**13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____**

(Chuck Pettee, Branch Chief, Water Rights Branch, National Park Service)

14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include William Hansen (970) 225-3532 and _____

Jim Harte (970) 225-3538.

15. Additional comments: Amends claim No. 39-89220 to include Walnut Canyon National Monument boundary modification, Section 208, --P.L. 104-333, 110 Stat. 4093, "Walnut Canyon National Monument Boundary Modification", November 12, 1996, published in the Federal Register and included as an attachment to this amendment.

(attach additional sheet if required)

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.

ARIZONA DEPARTMENT OF WATER RESOURCES
ADJUDICATIONS DIVISION
500 NORTH 3RD STREET
PHOENIX, ARIZONA 85004

17. Notarized Statement:

I (We), _____

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires _____

Notary Public

or, _____

Authorized Personnel of the Department of Water Resources

STATEMENT OF CLAIMANT FORM
FOR

OTHER USES¹ AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39-
 Date Filed:
 WFN

1. Claimant Name: United States of America, c/o National Park Service (Wupatki NM)
 Claimant Address: 1201 Oakridge Drive, Suite 250 City Fort Collins
 State: Colorado Zip Code 80525 Telephone (970) 225-3500

2. Basis of Claim:

A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____

B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____
 Permit No. _____, or Certificate of Water Right No. _____

C. ☐ Decreed water right. Principal litigants, court, date and case no. _____

D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____

E. ☒ Other, describe: (see File No. 39-91444)

3. Claimed Priority Date: ____/____/____ (month/day/year) (see file No. 39-91444)

4. Use:

A. ☐ Municipal

B. ☐ Commercial or Industrial

C. ☐ Mining

D. ☐ Stockwatering other than from a stockpond

E. ☐ Recreation, Fish & Wildlife

F. ☒ Other, describe:
(see file No. 39-91444)

5. Source of Water: (see file No. 39-91444 with attachment)

A. ☐ Stream: name _____, tributary to _____

B. ☐ Spring: name _____, tributary to _____

C. ☐ Lake or Reservoir: name _____, tributary to _____

D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required) (see file No. 39-91444)
 _____ 1/4, _____ 1/4, _____ 1/4, Section _____, Township _____ N/S, Range _____ E/W

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

A. ☐ Instream pump.

B. ☐ Gravity flow into a ditch, canal or pipeline.

C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55- _____

D. ☒ Other, describe: (see file No. 39-91444)

¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

A. ☐ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____

B. ☒ Other, describe: (see file No. 39-91444) _____

10. Place of Use, If other than point of diversion: (attach additional sheet if required)

County Coconino

Legal Subdivision _____

Section _____

Township _____

Range _____

N/S

E/W

N/S

E/W

11. Claimed Right: (see file No. 39-91444)

A. Maximum Flow Rate: _____

☐ cubic-feet per second

☐ gallons per minute

☐ Arizona miner's inches

B. Annual Volume of Water Use: 16.0

acre-feet per annum

C. Storage Right: _____

acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.

13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____

(Chuck Pettee, Branch Chief, Water Rights Branch, National Park Service)

14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include: William Hansen (970) 225-9532 and
Jim Harte (970) 225-3538.

15. Additional comments: Amends item II-A-4-C (page 4), to the attachment to claim

No. 39-91444, regarding Wupatki National Monument. Amends quantifiable present
and future administrative consumptive uses from 17 acre-feet per annum to
16 acre-feet per annum.

(attach additional sheet if required)

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.

ARIZONA DEPARTMENT OF WATER RESOURCES
ADJUDICATIONS DIVISION
500 NORTH 3RD STREET
PHOENIX, ARIZONA 85004

17. Notarized Statement:

I (We), _____

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires _____

Notary Public

or, _____

Authorized Personnel of the Department of Water Resources

STATEMENT OF CLAIMANT FORM
FOROTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39: _____

Date Filed: _____

WFN: _____

1. Claimant Name: United States of America c/o National Park Service (Petrified Forest NP)
 Claimant Address: 1201 Oak Ridge Drive, Suite 250 City Fort Collins
 State: Colorado Zip Code 80525 Telephone 970-225-3500

2. Basis of Claim:

- A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____
- B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____
 Permit No. _____, or Certificate of Water Right No. _____
- C. ☐ Decreed water right. Principal litigants, court, date and case no. _____
- D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____
- E. ☒ Other, describe: (see File No. 39-89222)

3. Claimed Priority Date: ____/____/____ (month/day/year) (See File No. 39-89222)

4. Use:

- A. ☐ Municipal
- B. ☐ Commercial or Industrial
- C. ☐ Mining
- D. ☐ Stockwatering other than from a stockpond
- E. ☐ Recreation, Fish & Wildlife
- F. ☒ Other, describe:
(see File No. 39-89222)

5. Source of Water: (see File No. 39-89222)

- A. ☐ Stream: name _____, tributary to _____
- B. ☐ Spring: name _____, tributary to _____
- C. ☐ Lake or Reservoir: name _____, tributary to _____
- D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required) (See File No. 39-89222)

____ 1/4, ____ 1/4, ____ 1/4, Section _____, Township _____ N/S, Range _____ E/W

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

- A. ☐ Instream pump.
- B. ☐ Gravity flow into a ditch, canal or pipeline.
- C. ☒ Well: Arizona Department of Water Resources Well Registration No. 55. (see Item 15)
- D. ☒ Other, describe: (see File No. 39-89222)

¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

A. ☐ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____

B. ☒ Other, describe: (See File No. 39-89222) _____

10. Place of Use, if other than point of diversion: (attach additional sheet if required) Petrified Forest National Park

County Apache & Navajo

Legal Subdivision _____

Section _____

Township _____

Range _____

N/S E/W

N/S E/W

11. Claimed Right: (see File No. 39-89222) ☐ cubic-feet per second

A. Maximum Flow Rate: _____ ☐ gallons per minute

B. Annual Volume of Water Use: 35.0 acre-feet per annum

C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.

13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____

(Chuck Pettee, Branch Chief, Water Resources Branch, National Park Service)

14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include: William Hansen (970) 225-3532 and
Jim Harte (970) 225-3538

15. Additional comments: Amends Item II-B-4-C (page 9), to attachment to claim No. 39-89222,
regarding Petrified Forest National Park. Amends quantifiable, present and future
administrative consumptive uses from 10 acre-feet per annum to 35 acre-feet per annum.
8.c.(continued) well registration No. 55-629113, 629091, 506605, 506603

(attach additional sheet if required)

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.

ARIZONA DEPARTMENT OF WATER RESOURCES
ADJUDICATIONS DIVISION
500 NORTH 3RD STREET
PHOENIX, ARIZONA 85004

17. Notarized Statement:

I (We), _____

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires _____

Notary Public

or, _____

Authorized Personnel of the Department of Water Resources

STATEMENT OF CLAIMANT FORM
FOROTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39- _____

Date Filed: _____

WFN _____

1. Claimant Name: United States of America c/o National Park Service (Sunset Crater NM)
 Claimant Address: 1201 OakRidge Drive, Suite 250 City Fort Collins
 State: Colorado Zip Code 80525 Telephone (970) 225-3500

2. Basis of Claim:

- A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____
- B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____ Permit No. _____, or Certificate of Water Right No. _____
- C. ☐ Decreed water right. Principal litigants, court, date and case no. _____
- D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____
- E. ☒ Other, describe: (see File No. 39-91447)

3. Claimed Priority Date: ____/____/____ (month/day/year) (see file No. 39-91447)

4. Use:

- A. ☐ Municipal
- B. ☐ Commercial or Industrial
- C. ☐ Mining
- D. ☐ Stockwatering other than from a stockpond
- E. ☐ Recreation, Fish & Wildlife
- F. ☒ Other, describe: (see file No. 39-91447)

5. Source of Water: (see file No. 39-91447)

- A. ☐ Stream: name _____, tributary to _____
- B. ☐ Spring: name _____, tributary to _____
- C. ☐ Lake or Reservoir: name _____, tributary to _____
- D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required) (see file No. 39-91447)
 _____ 1/4, _____ 1/4, _____ 1/4, Section _____, Township _____ N/S, Range _____ E/W

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

- A. ☐ Instream pump.
- B. ☐ Gravity flow into a ditch, canal or pipeline.
- C. ☒ Well: Arizona Department of Water Resources Well Registration No. 55- 649813
- D. ☒ Other, describe: (see file No. 39-91447)

¹ See Instructions for explanation of uses in this category.

9. Means of Conveyance:

A. ☐ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____

B. ☒ Other, describe: (see file No. 39-91447) _____

10. Place of Use, If other than point of diversion: (attach additional sheet if required) Sunset Crater National Monument
 County Coconino
 Legal Subdivision _____ Section _____ Township _____ Range _____
 _____ N/S _____ E/W
 _____ N/S _____ E/W

11. Claimed Right: (see file No. 39-91447) ☐ cubic-feet per second

A. Maximum Flow Rate: _____ ☐ gallons per minute

B. Annual Volume of Water Use: 32 _____ acre-feet per annum ☐ Arizona miner's inches

C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.

13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____

(Chuck Pettee, Branch Chief, Water Rights Branch, National Park Service)
 14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include: William Hansen (970)225-3532 and Jim Harte (970) 225-3538

15. Additional comments: Amends Item II-B-4-C (page 8), to the attachment to claim No. 39-91447, regarding Sunset Crater National Monument. Amends quantifiable present and future administrative consumptive uses from 20 acre-feet per annum to 32 acre-feet per annum.
Well #55-649813 replaces Well #A23-8(21-1)715 however #A23-8(21-1) 715 is available for
 (attach additional sheet if required) emergency use.

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.

17. Notarized Statement:

I (We), _____

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires _____

Notary Public

or,

Authorized Personnel of the Department of Water Resources

STATEMENT OF CLAIMANT FORM
FOROTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39-

Date Filed:

WFN

1. Claimant Name: United States of America c/o National Park Service (Wupatki NM)Claimant Address: 1201 OakRidge Drive, Suite 250 City Fort CollinsState: Colorado Zip Code 80525 Telephone (970) 225-3500

2. Basis of Claim:

A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act
Registry No. _____B. ☒ Appropriation Right acquired after June 12, 1919. Application No. (A-25-0) 32-1(718)
Permit No. _____, or Certificate of Water Right No. _____C. ☐ Decreed water right. Principal litigants, court, date and case no. _____D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____E. ☒ Other, describe: (see file No. 39-91445)3. Claimed Priority Date: ____ / ____ / 1892 (month/day/year) (see Registry No. ____ and attachment)

4. Use:

A. ☒ MunicipalB. ☐ Commercial or IndustrialC. ☐ MiningD. ☒ Stockwatering other than
from a stockpondE. ☒ Recreation, Fish & WildlifeF. ☒ Other, describe:(see file No. 39-91445 and
attachment)

5. Source of Water:

A. ☐ Stream: name _____, tributary to _____B. ☒ Spring: name Heiser Spring in Heiser Wash tributary to Little Colorado RiverC. ☐ Lake or Reservoir: name _____, tributary to _____D. ☐ Groundwater.6. Legal description of the Point of Diversion: (attach additional sheet if required) (see file No. 39-91445)
NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 32, Township 25 N/S, Range 10 E/W7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion,
describe: (see file No. 39-91445)

8. Means of Diversion:

A. ☐ Instream pump.B. ☒ Gravity flow into a ditch, canal or pipeline.C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55-D. ☐ Other, describe: _____¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

- A. ☒ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____
- B. ☐ Other, describe: _____

10. Place of Use, if other than point of diversion: (attach additional sheet if required)

County Coconino

Legal Subdivision

(see file 39-91445)

Section _____

Township _____

Range _____

N/S _____

E/W _____

N/S _____

E/W _____

11. Claimed Right: (see file No. 39-91445)

- A. Maximum Flow Rate: _____
- B. Annual Volume of Water Use: 2.5 acre-feet
- C. Storage Right: _____ acre-feet

- ☐ cubic-feet per second
- ☐ gallons per minute
- ☐ Arizona miner's inches

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.

13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____

(Chuck Pettee, Branch Chief, Water Rights Branch, National Park Service)

14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include: William Hansen (970) 225-3532 and
Jim Harte (970) 225-353815. Additional comments: Amends item 3 (file No. 39-91445): claimed priority Date,
from August 23, 1942 to 1892. (See Registry No. _____ with attached affidavit)

(attach additional sheet if required)

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix,
Arizona 85007.

ARIZONA DEPARTMENT OF WATER RESOURCES
ADJUDICATIONS DIVISION
500 NORTH 3RD STREET
PHOENIX, ARIZONA 85004

17. Notarized Statement:

I (We), _____

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires _____

Notary Public

or, _____

Authorized Personnel of the Department of Water Resources

ARIZONA DEPARTMENT OF WATER RESOURCES
SURFACE WATER RIGHTS

MAIL TO: P.O. BOX 458

PHOENIX, ARIZONA 85001-0458

500 North Third Street

Phoenix, Arizona 85004-3903

Telephone (602) 417-2442

Fax (602) 417-2424

(For office use only)

Registry No: _____

Date Filed: _____

STATEMENT OF CLAIM OF RIGHT TO USE PUBLIC WATERS OF THE STATE OF ARIZONA

1. Claimant USA, National Park Service Telephone 970-225-3500
Address 1201 OakRidge Dr. Suite 250 City Fort Collins State CO Zip 80525
2. Type of water source and name Heiser Spring in Heiser Wash
a tributary to Little Colorado River within the Kana a Wash watershed
(for office use only)
- 3.

Type of Water Use(s) (e.g. irrigation, domestic, stock)	Annual Use (list use amount for each type)	Acres Irrigated (irrigation use only)	Specific Months of Use (if not for entire year)
Municipal, irrigation,	2.5 acre-feet	N/A	January thru December
Stock watering,	(total for all uses)	N/A	(for all uses)
recreation, wildlife			

4. Date the water was first used beneficially (month/day/year): _____ /1892
5. Location of point of water diversion: County Coconino
Lot _____ NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 32, Township 25 N/S Range 10 E/W
(if applicable)
6. Location of place(s) of water use: County Coconino
Lot _____ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$, Section 30, Township 25 N/S, Range 10 E/W
(if applicable)
Lot _____ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$, Section 32, Township 25 N/S Range 10 E/W
(if applicable)
7. Legal basis for the claim (attach any documents being filed in support of claim): State law-initiation of
diversion and application to beneficial use. Conveyed to U.S. by warranty deed dated
Nov. 22, 1949 from CO Bar Livestock Company (see attached affidavit)
The information contained herein is true and correct to the best of my (our) knowledge.

STATE OF ARIZONA)

County of _____)

Signature(s)

SUBSCRIBED AND SWORN to before me this _____ day of _____, 19____.

My commission expires _____

Notary Public

INSTRUCTIONS

STATEMENT OF CLAIM OF RIGHT TO USE PUBLIC WATERS OF THE STATE OF ARIZONA

This claim is for surface water which is defined by statute as "the waters of all sources, flowing in streams, canyons, ravines, or other natural channels, or in a definite underground channel, whether perennial or intermittent, flood, waste or surplus water, and of lakes, ponds and springs on the surface."

The following instructions are referenced by number to the questions on the claim.

1. Complete name of claimant, current mailing address, including zip code and telephone number. If the claimant is a corporation or business, include the name of the authorizing agent.
2. Give the name of the direct source of surface water and the type of source. If known, provide the name of the drainage, creek, etc. to which the source is a tributary.
3. Describe the claimed beneficial uses including the annual quantity of use (in gallons or acre-feet for each type of use), the irrigated acreage for any claimed irrigation use and the months the water is used. A quantity of use must be provided for each beneficial use or the claim will be returned for correction. Per Arizona Revised Statute § 45-181, beneficial use includes but is not limited to, use for domestic, municipal, recreation, wildlife, including fish, agricultural, mining, stockwatering, and power purposes.
4. The date of first beneficial use must be completed or the claim will be returned for correction.
5. Provide the legal land description for the location of the claimed point of diversion from the claimed source. This location must be described to the nearest 40 acre tract ($\frac{1}{4}, \frac{1}{4}$) or other appropriate description or the claim will be returned for correction.
6. Provide the legal land description for the location of the place(s) of use. This location must be described to the nearest 40 acre tract ($\frac{1}{4}, \frac{1}{4}$) or other appropriate description or the claim will be returned for correction.
7. Provide any information you may have pertaining to the legal basis of the claim. Documentation could include affidavits, homestead documents, a notice of location, notice of appropriation, photographs, etc.

General Instructions:

1. A separate form must be filed for each claimed right to use public water.
2. A \$10.00 filing fee must accompany each claim.
3. The statement of claim is a sworn affidavit. The statement of claim must be signed by the claimant(s) and must be subscribed and sworn to.
4. The filing of a statement of claim pursuant to this article which knowingly provides for an overstatement of a right either in quantity of water or times of use claimed constitutes a class 3 misdemeanor.

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P.2

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AFFIDAVIT

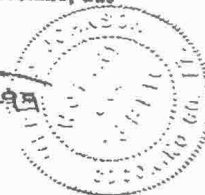
I, James Babbitt, being duly sworn and more than eighteen years of age, do hereby state and affirm as follows:

1. I am the DIRECTOR of the CO Bar Ranch, located N. of FLAGSTAFF, AZ. I have been a DIRECTOR since 1985.
2. Based on my own investigations about the history of water use on the CO Bar Ranch, I believe water from Peshlaki and Heiser Springs was first used for domestic and stockwatering purposes at the original homestead on the ranch in 1892.
3. I further believe that since 1892 water from Peshlaki and Heiser Springs has been continuously used for domestic and stockwatering purposes by CO Bar Ranch, the Navajo Nation, and the National Park Service.

James E. Babbitt
JAMES BABBITT
DIRECTOR of the CO Bar Ranch

Subscribed and sworn to before me in the State of Arizona, County of Coconino, this 21 day of April, 1998, by James Babbitt.

Martin D. John
NOTARY PUBLIC
6-9-98



STATEMENT OF CLAIMANT FORM
FOROTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39- _____

Date Filed: _____

WFN _____

1. Claimant Name: United States of America c/o National Park Service (Wupatki NM)
 Claimant Address: 1201 OakRidge Drive, Suite 250 City Fort Collins
 State: Colorado Zip Code 80525 Telephone 970-225-3500

2. Basis of Claim:

- A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____
- B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____ Permit No. _____, or Certificate of Water Right No. _____
- C. ☐ Decreed water right. Principal litigants, court, date and case no. _____
- D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____
- E. ☒ Other, describe: (see registry No: _____)

3. Claimed Priority Date: _____ / _____ / 1892(month/day/year) (see registry No.: _____ and attachment)

4. Use:

- A. ☒ Municipal
- B. ☐ Commercial or Industrial
- C. ☐ Mining
- D. ☐ Stockwatering other than from a stockpond
- E. ☒ Recreation, Fish & Wildlife
- F. ☒ Other, describe: (see file No. 39-91446 and attachment)

5. Source of Water:

- A. ☐ Stream: name _____, tributary to _____
- B. ☒ Spring: name Peshlaki(aka Cottonwood), tributary to N/A
- C. ☐ Lake or Reservoir: name _____, tributary to _____
- D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required)

NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 32, Township 25 N/S, Range 10 E/WX

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

- A. ☐ Instream pump.
- B. ☒ Gravity flow into a ditch, canal or pipeline.
- C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55- _____
- D. ☐ Other, describe: _____

¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

A. ☒ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____

B. ☐ Other, describe: _____

10. Place of Use, If other than point of diversion: (attach additional sheet if required)

County _____

Legal Subdivision _____

Section _____

Township _____

Range _____

N/S

E/W

N/S

E/W

11. Claimed Right: (see file No. 39-91446)

A. Maximum Flow Rate: _____

☐ cubic-feet per second☐ gallons per minute☐ Arizona miner's inches

B. Annual Volume of Water Use: 0.5 _____ acre-feet per annum

C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.

13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____
(Chuck Pettee, Branch Chief, Water Rights Branch, National Park Service)

14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include: William Hansen (970) 225-3532 and Jim Harte (970) 225-3538

15. Additional comments: Amends item 3 (file No. 39-91446): claimed priority date, from December 31, 1983 to 1892. (see Registry No. _____ with attached affidavit)

(attach additional sheet if required)

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.

ARIZONA DEPARTMENT OF WATER RESOURCES
ADJUDICATIONS DIVISION
500 NORTH 3RD STREET
PHOENIX, ARIZONA 85004

17. Notarized Statement:

I (We), _____

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires _____

Notary Public

or, _____

Authorized Personnel of the Department of Water Resources

ARIZONA DEPARTMENT OF WATER RESOURCES
SURFACE WATER RIGHTS

MAIL TO: P.O. BOX 458
PHOENIX, ARIZONA 85001-0458
500 North Third Street
Phoenix, Arizona 85004-3903
Telephone (602) 417-2442
Fax (602) 417-2424

(For office use only)

Registry No: _____

Date Filed: _____

STATEMENT OF CLAIM OF RIGHT TO USE PUBLIC WATERS OF THE STATE OF ARIZONA

1. Claimant USA, National Park Service Telephone 970-225-3500
Address 1201 OakRidge Dr. Suite 250 City Fort Collins State CO Zip 80525
2. Type of water source and name Peshlaki (aka Cottonwood) Spring
a tributary to N/A within the Kana a Wash watershed
(for office use only)

Type of Water Use(s) (e.g. irrigation, domestic, stock)	Annual Use (list use amount for each type)	Acres Irrigated (irrigation use only)	Specific Months of Use (if not for entire year)
Municipal, Recreation,	.5 acre-feet (total	N/A	January thru December
Fish and Wildlife	for all uses)	N/A	(for all uses)

4. Date the water was first used beneficially (month/day/year): _____/1892
5. Location of point of water diversion: County Coconino
Lot _____ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 32, Township 25 N/S Range 10 E/W
(if applicable)
6. Location of place(s) of water use: County Coconino
Lot _____ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$, Section 32, Township 25 N/S Range 10 E/W
(if applicable)
Lot _____ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$, Section _____, Township _____ N/S, Range _____ E/W
(if applicable)
7. Legal basis for the claim (attach any documents being filed in support of claim): State law-initiation of
diversion and application to beneficial use, conveyed to U.S. by warranty deed dated
Nov. 22, 1949 from CO Bar Livestock Company (see attached affidavit)
The information contained herein is true and correct to the best of my (our) knowledge.

STATE OF ARIZONA)
County of _____)

Signature(s)

SUBSCRIBED AND SWORN to before me this _____ day of _____, 19____.

My commission expires _____

Notary Public

INSTRUCTIONS

STATEMENT OF CLAIM OF RIGHT TO USE PUBLIC WATERS OF THE STATE OF ARIZONA

This claim is for surface water which is defined by statute as "the waters of all sources, flowing in streams, canyons, ravines, or other natural channels, or in a definite underground channel, whether perennial or intermittent, flood, waste or surplus water, and of lakes, ponds and springs on the surface."

The following instructions are referenced by number to the questions on the claim.

1. Complete name of claimant, current mailing address, including zip code and telephone number. If the claimant is a corporation or business, include the name of the authorizing agent.
2. Give the name of the direct source of surface water and the type of source. If known, provide the name of the drainage, creek, etc. to which the source is a tributary.
3. Describe the claimed beneficial uses including the annual quantity of use (in gallons or acre-feet for each type of use), the irrigated acreage for any claimed irrigation use and the months the water is used. A quantity of use must be provided for each beneficial use or the claim will be returned for correction. Per Arizona Revised Statute § 45-181, beneficial use includes but is not limited to, use for domestic, municipal, recreation, wildlife, including fish, agricultural, mining, stockwatering, and power purposes.
4. The date of first beneficial use must be completed or the claim will be returned for correction.
5. Provide the legal land description for the location of the claimed point of diversion from the claimed source. This location must be described to the nearest 40 acre tract ($\frac{1}{4}$, $\frac{1}{4}$) or other appropriate description or the claim will be returned for correction.
6. Provide the legal land description for the location of the place(s) of use. This location must be described to the nearest 40 acre tract ($\frac{1}{4}$, $\frac{1}{4}$) or other appropriate description or the claim will be returned for correction.
7. Provide any information you may have pertaining to the legal basis of the claim. Documentation could include affidavits, homestead documents, a notice of location, notice of appropriation, photographs, etc.

General Instructions:

1. A separate form must be filed for each claimed right to use public water.
2. A \$10.00 filing fee must accompany each claim.
3. The statement of claim is a sworn affidavit. The statement of claim must be signed by the claimant(s) and must be subscribed and sworn to.
4. **The filing of a statement of claim pursuant to this article which knowingly provides for an overstatement of a right either in quantity of water or times of use claimed constitutes a class 3 misdemeanor.**

03/27/99 02:52PM NPS WATER RESOURCES DIVISION/R/DENVER

P.2

002

AFFIDAVIT

I, James Babbitt, being duly sworn and more than eighteen years of age, do hereby state and affirm as follows:

1. I am the ² DIRECTOR of the CO Bar Ranch, located N. EE FLAGSTAFF, AZ. I have been a DIRECTOR since 1985.

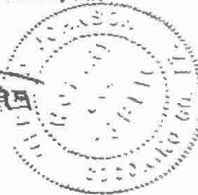
2. Based on my own investigations about the history of water use on the CO Bar Ranch, I believe water from Peshlaki and Heiser Springs was first used for domestic and stockwatering purposes at the original homestead on the ranch in ~~1885~~ ¹⁸⁹².

3. I further believe that since ¹⁸⁹² ~~1885~~ water from Peshlaki and Heiser Springs has been continuously used for domestic and stockwatering purposes by CO Bar Ranch, the Navajo Nation, and the National Park Service.

James E. Babbitt
JAMES BABBITT
DIRECTOR of the CO Bar Ranch

Subscribed and sworn to before me in the State of Arizona, County of Coconino, this 27 day of April, 1998, by James Babbitt.

Martin D. John
NOTARY PUBLIC
6-9-98



JUN-15-99 TUE 15:55

JUN-15-99 TUE 10:55 AM

INTMOW LAND RES-SANCA FE

FAX NO. 5059886709

P. 05

P. 4

WALNUT CANYON NATIONAL MONUMENT

AREA: 40.00 Acres

DATE: June 29, 1998

INTEREST TO BE ACQUIRED: Fee

TRACT 01-117

Situated in the State of Arizona, County of Coconino, being more particularly described:

All of the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 31 of Township 21 North, Range 9 East of the Gila and Salt River Base and Meridian and containing 40.00 acres of land, more or less.

JUN-15-99 TUE 15:55

JUN-15-99 TUE 10:55 AM

WNTMTH LAND RES-SANTA FE

FAX NO. 5059886709

P. 06

P. 5

WALNUT CANYON NATIONAL MONUMENT

AREA: 690.00 Acres

DATE: June 29, 1998

INTEREST TO BE ACQUIRED: Fee

TRACT NO. 01-115

Situated in the State of Arizona, County of Coconino, in a portion of Section 27, a portion of Section 33 and Section 34 of Township 21 North, Range 8 East of the Gila and Salt River Base and Meridian, being more particularly described:

All of Lot 1; Lot 2; the S $\frac{1}{4}$ SE $\frac{1}{4}$; E $\frac{1}{4}$ of Lot 3; and the E $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ of said Section 27 and containing 200.00 acres of land, more or less.

All of the E $\frac{1}{4}$ E $\frac{1}{4}$ SE $\frac{1}{4}$; E $\frac{1}{4}$ W $\frac{1}{4}$ E $\frac{1}{4}$ SE $\frac{1}{4}$; E $\frac{1}{4}$ of Lot 1; and E $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ of said Section 33 and containing 50.00 acres of land, more or less.

All of the N $\frac{1}{4}$; N $\frac{1}{4}$ SW $\frac{1}{4}$; and N $\frac{1}{4}$ S $\frac{1}{4}$ SW $\frac{1}{4}$ of said Section 34 and containing 440.00 acres of land, more or less.

The above described parcel, known as Tract 01-115 of Walnut Canyon National Monument contains a total of 690.00 acres of land, more or less.

SEP-13-99 MON 10:52 AM

INTERN LAND RES-SANTA FE

FAX NO. 5059886709

P. 2

WALNUT CANYON NATIONAL MONUMENT

AREA: 547.00 ACRES

DATE: JUNE 29, 1998

REVISED DATE: SEPTEMBER 2, 1999

INTEREST TO BE ACQUIRED: FEE

TRACT 01-106 AND 01-116

Situated in the State of Arizona, County of Coconino, in a portion of Section 28, Section 29 and Section 30 of Township 21 North, Range 9 East of the Gila and Salt River Base and Meridian, being more particularly described:

The Northwest Quarter of Section 28;

Also, a parcel of land more particularly described as follows:

Beginning at the West 1/16 corner common to Section 31 and said Section 30 of Township 21 North, Range 9 East;

Thence, Northeasterly, on a straight line to the quarter corner common to said Section 29 and said Section 30;

Thence, Northeasterly, from said quarter corner on a straight line, to the Section corner common to the Section 20, Section 21, said Section 28 and said Section 29;

Thence, South, along the section line common with said Section 28 and said Section 29 to the quarter corner common with said sections;

Thence, Southwesterly, from said quarter corner to the section corner common to said Section 29, said Section 30, Section 31 and Section 32;

Thence, West, along the South line of said Section 30, to the point of beginning.

Excepting therefrom a 50.00 foot right-of-way designated as the Walnut Creek Reservoir Pipeline right-of-way in a Quitclaim Deed from The Atchison, Topeka and Santa Fe Railway Company to Warren Stanley Smith, et ux. as recorded in Docket No. 1259, page 512 of the deed records of Coconino County.

The above-described parcel, known as Tract 01-106 and 01-116 of Walnut Canyon National Monument contains a total of 547.00 acres of land, more or less.

JUL-27-1998 13:42

SANTA FE FIELD SOLICITOR

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Nov. 12

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Nov. 12

PARKS AND PUBLIC LANDS ACT

P.L. 104-388
Sec. 208

"(d) To further the purposes of the monument, the Secretary is also authorized to acquire from willing sellers only, by donation, purchase with donated or appropriated funds, or exchange not to exceed 65 acres outside the boundary depicted on the map referred to in section 301 and develop and operate thereon research, information, interpretive, and administrative facilities. Lands acquired and facilities developed pursuant to this subsection shall be administered by the Secretary as part of the monument. The boundary of the monument shall be modified to include the lands added under this subsection as a non-contiguous parcel."

SEC. 207. WUPATKI NATIONAL MONUMENT BOUNDARY ADJUSTMENT.

16 USC 431 note.

The boundaries of the Wupatki National Monument, Arizona, are hereby revised to include the lands and interests in lands within the area generally depicted as "Proposed Addition 168.89 Acres" on the map entitled "Boundary—Wupatki and Sunset Crater National Monuments, Arizona", numbered 322-80,021, and dated April 1989. The map shall be on file and available for public inspection in the Office of the National Park Service, Department of the Interior. Subject to valid existing rights, Federal lands and interests therein within the area added to the monument by this section are hereby transferred without monetary consideration or reimbursement to the administrative jurisdiction of the National Park Service, to be administered as part of the monument in accordance with the laws and regulations applicable thereto.

SEC. 208. WALNUT CANYON NATIONAL MONUMENT BOUNDARY MODIFICATION.

16 USC 431 note.

(a) PURPOSE.—The purpose of this section is to modify the boundaries of the Walnut Canyon National Monument (hereafter in this section referred to as the "national monument") to improve management of the national monument and associated resources.

(b) BOUNDARY MODIFICATION.—Effective on the date of enactment of this Act, the boundaries of the national monument shall be modified as depicted on the map entitled "Boundary Proposal—Walnut Canyon National Monument, Coconino County, Arizona", numbered 360/80,010, and dated September 1994. Such map shall be on file and available for public inspection in the offices of the Director of the National Park Service, Department of the Interior. The Secretary of the Interior, in consultation with the Secretary of Agriculture, is authorized to make technical and clerical corrections to such map.

(c) ACQUISITION AND TRANSFER OF PROPERTY.—The Secretary of the Interior is authorized to acquire lands and interest in lands within the national monument, by donation, purchase with donated or appropriated funds, or exchange. Federal property within the boundaries of the national monument (as modified by this section) is hereby transferred to the administrative jurisdiction of the Secretary of the Interior for management as part of the national monument. Federal property excluded from the monument pursuant to the boundary modification under subsection (b) is hereby transferred to the administrative jurisdiction of the Secretary of Agriculture to be managed as a part of the Coconino National Forest.

(d) ADMINISTRATION.—The Secretary of the Interior, acting through the Director of the National Park Service, shall manage the national monument in accordance with this title and the provisions of law generally applicable to units of the National Park Service, including "An Act to establish a National Park Service,

110 STAT. 4107

110 STAT. 4093
NOV. 12, 1996

JUL-27-1999 13:43

SANTA FE FIELD SOLICITOR

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P.L. 104-333
Sec. 208

LAWS OF 104th CONG.—2nd SESS.

Nov. 12

and for other purposes" approved August 25, 1916 (39 Stat. 535; 16 U.S.C. 1, 2-4).

(c) AUTHORIZATION OF APPROPRIATIONS.—There are hereby authorized to be appropriated such sums as may be necessary to carry out this section.

SEC. 208. BUTTE COUNTY, CALIFORNIA LAND CONVEYANCE.

(a) PURPOSE.—It is the purpose of this section to authorize and direct the Secretary of Agriculture to convey, without consideration, certain lands in Butte County, California, to persons claiming to have been deprived of title to such lands.

(b) DEFINITIONS.—For the purpose of this section:

(1) The term "affected lands" means those Federal lands located in the Plumas National Forest in Butte County, California, in sections 11, 12, 13, and 14, township 21 north, range 5 East, Mount Diablo Meridian, as described by the dependent resurvey by the Bureau of Land Management conducted in 1992, and subsequent Forest Service land line location surveys, including all adjoining parcels where the property line as identified by the 1992 BLM dependent resurvey and National Forest boundary lines before such dependent resurvey are not coincident.

(2) The term "claimant" means an owner of real property in Butte County, California, whose real property adjoins Plumas National Forest lands described in paragraph (1), who claims to have been deprived by the United States of title to property as a result of previous erroneous surveys.

(3) The terms "Secretary" means the Secretary of Agriculture.

(c) CONVEYANCE OF LANDS.—Notwithstanding any other provision of law, the Secretary is authorized and directed to convey, without consideration, all right, title, and interest of the United States in and to affected lands as described in subsection (b)(1), to any claimant or claimants, upon proper application from such claimant or claimants, as provided in subsection (d).

(d) NOTIFICATION.—Not later than 2 years after the date of enactment of this Act, claimants shall notify the Secretary, through the Forest Supervisor of the Plumas National Forest, in writing of their claim to affected lands. Such claim shall be accompanied by—

(1) a description of the affected lands claimed;

(2) information relating to the claim of ownership of such lands; and

(3) such other information as the Secretary may require.

(e) ISSUANCE OF DEED.—(1) Upon a determination by the Secretary that issuance of a deed for affected lands is consistent with the purpose and requirements of this section, the Secretary shall issue a quit claim deed to such claimant for the parcel to be conveyed.

(2) Prior to the issuance of any such deed as provided in paragraph (1), the Secretary shall ensure that—

(A) the parcel or parcels to be conveyed have been surveyed in accordance with the Memorandum of Understanding between the Forest Service and the Bureau of Land Management, dated November 11, 1989;

(B) all new property lines established by such surveys have been monumented and marked; and

Nov. 12

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TOTAL P.03

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Federal Register / Vol. 63, No. 164 / Tuesday, August 25, 1998 / Notices

the proposed projects will be implemented. He will document the decision and reasons for the decision in the Record of Decision. That decision will be subject to Forest Service Appeal Regulations (36 CFR part 215).

Dated: August 17, 1998.

Monte Fujishin,

District Ranger.

[FR Doc. 98-22736 Filed 8-24-98; 8:45 am]

BILLING CODE 3410-11-M

DEPARTMENT OF AGRICULTURE

Forest Service

DEPARTMENT OF THE INTERIOR

National Park Service

USDA, Forest Service, USDI, National Park Service; Notice of Transfer of Administrative Jurisdiction, Coconino National Forest and Walnut Canyon National Monument

SUMMARY: The Forest Service previously had administrative jurisdiction over 1,279 acres, more or less, as depicted on the map entitled, "Boundary Proposal—Walnut Canyon National Monument," numbered 360/80,010, and dated September 1994. The National Park Service formerly had administrative jurisdiction on 54 acres, more or less, as shown on the same map. Notice is hereby given that, pursuant to the provisions of Section 208 of Pub. L. 104-333, 110 Stat. 4093, administrative jurisdiction on the 1,279 acres is now in the National Park Service, and administrative jurisdiction on the 54 acres is now in the Forest Service. Both transfers are subject to prior existing rights and applicable laws and regulations. The specific lands and/or interests, subject to this notice, include both the surface and minerals on 1,279 acres, more or less, and 54 acres, more or less.

SUPPLEMENTARY INFORMATION: The maps and other documents associated with this transfer of lands and minerals may be reviewed at the Intermountain Land Resources Program Center, 1220 South St. Francis Drive, Santa Fe, New Mexico 87504, and at Walnut Canyon National Monument Headquarters, 6400 North Highway 89, Flagstaff, Arizona 86004. The same materials are available at the USDA, Forest Service, Regional Office, 517 Gold Avenue, SW, Albuquerque, New Mexico 87102, and Coconino National Forest, 2323 Greenlaw Lane, Flagstaff, Arizona 86004.

Dated: May 5, 1998.

Eleanor Towns,

Regional Forester, USDA, Forest Service, Region 3.

Dated: July 17, 1998.

John E. Cook,

Regional Director, Intermountain Region, National Park Service.

[FR Doc. 98-22723 Filed 8-24-98; 8:45 am]

BILLING CODE 4310-70-P

DEPARTMENT OF COMMERCE

Submission for OMB Review; Comment Request

The Department of Commerce (DOC) has submitted to the Office of Management and Budget (OMB) for clearance the following proposal for collection of information under provisions of the Paperwork Reduction Act (44 U.S.C. Chapter 35).

Agency: Bureau of Export Administration (BXA).

Title: Approval of Triangular Involving Commodities Covered by a U.S. Import Certificate.

Agency Form Number: None.

OMB Approval Number: 0694-0009.

Type of Request: Extension of a currently approved collection of information.

Burden: 1 hour.

Average Time Per Response: 30 minutes per response.

Number of Respondents: 1.

Needs and Uses: The triangular symbol will be stamped on the certificate as notification to the government of the exporting country that the U.S. importer is uncertain whether the items will be imported into the U.S. or knows that the items will not be imported into the U.S., but that, in any case, the items will not be delivered to any other destination except in accordance with the EAR. This procedure was developed in an effort to increase the effectiveness of controls over international trade in strategic commodities, ensuring that they will not be delivered to any other destination except in accordance with export control regulations.

Affected Public: Individuals, businesses or other for-profit institutions.

Respondent's Obligation: Required to obtain or retain a benefit.

OMB Desk Officer: Victoria Baecher-Wassmer (202) 395-5871.

Copies of the above information collection proposal can be obtained by calling or writing Linda Engelmeier, DOC Forms Clearance Officer, (202) 482-3272, Department of Commerce,

Room 5327, 14th and Constitution Avenue, NW, Washington, DC 20230.

Written comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to Victoria Baecher-Wassmer, OMB Desk Officer, Room 10202, New Executive Office Building, Washington, DC 20230.

Dated: August 18, 1998.

Linda Engelmeier,

Departmental Forms Clearance Officer, Office of the Chief Information Officer.

[FR Doc. 98-22726 Filed 8-24-98; 8:45 a.m.]

BILLING CODE 3510-33-P

DEPARTMENT OF COMMERCE

Submission for OMB Review; Comment Request

The Department of Commerce (DOC) has submitted to the Office of Management and Budget (OMB) for clearance the following proposal for collection of information under the provisions of the Paperwork Reduction Act (44 USC Chapter 35).

Agency: National Oceanic and Atmospheric Administration (NOAA).

Title: Northeast Region—Gear Identification Requirements.

Agency Form Number(s): None.

OMB Approval Number: None.

Type of Request: New collection.

Burden: 24,518 hours.

Number of Respondents: 3,253 (multiple requirements).

Avg. Hours Per Response: One minute to mark gear.

Needs and Uses: This collection is under the authority of the Magnuson-Stevens Fishery Conservation and Management Act. The regulations specify that federal permit holders using specified fishing gear be marked with the vessels official identification number, Federal permit number, tag number, or some other specified form of identification. The regulations further specify how the gear is to be marked (e.g., location and visibility). This information is used for enforcement purposes and for the identification of gear concerning damage loss or civil proceedings.

Affected Public: Businesses or other for-profit organization, individuals.

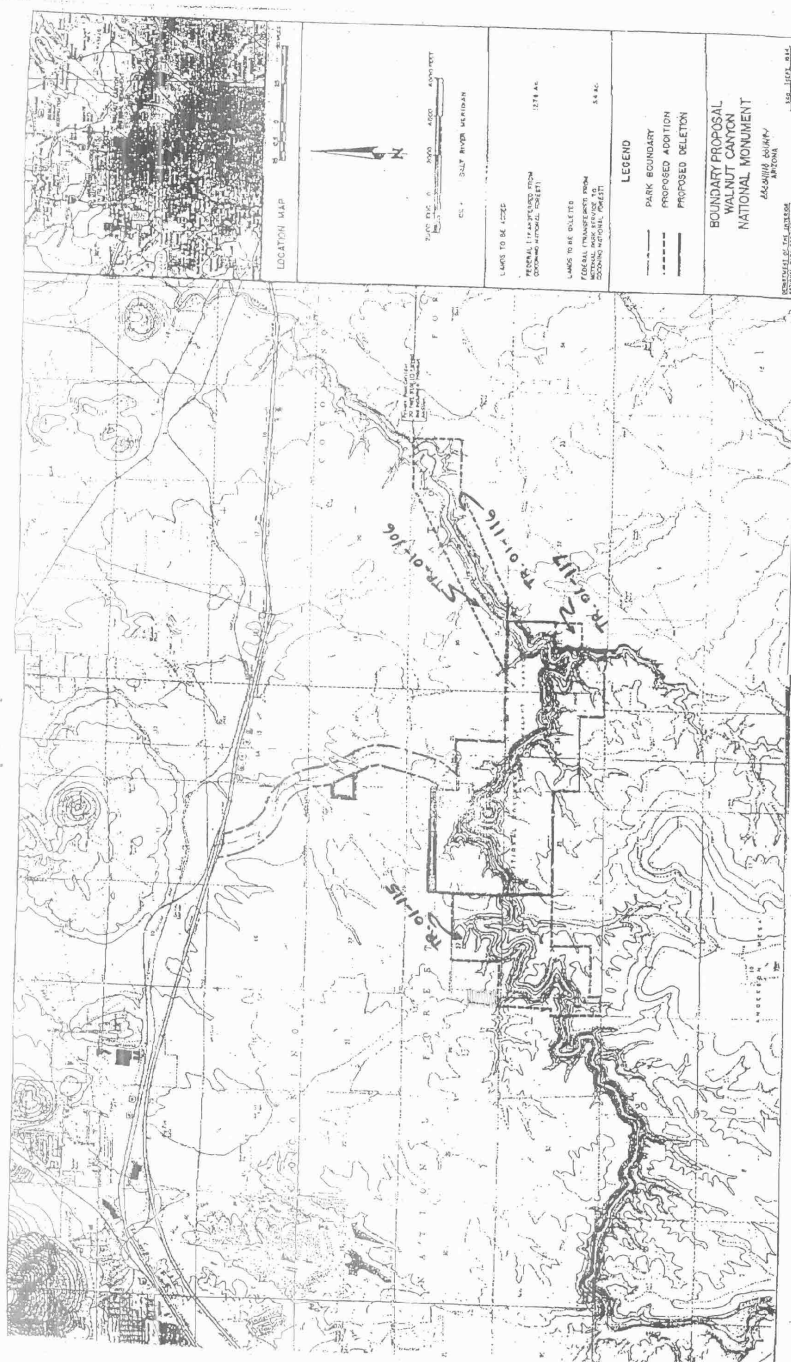
Frequency: Recordkeeping.

Respondent's Obligation: Mandatory.

OMB Desk Officer: David Rostker, (202) 395-3897.

Copies of the above information collection proposal can be obtained by calling or writing Linda Engelmeier, DOC Forms Clearance Officer, (202) 482-3272, Department of Commerce,

WALNUT CANYON NM DEED NO. 6





United States Department of the Interior

NATIONAL PARK SERVICE

Water Resources Division
1201 Oak Ridge Drive, Suite 250
Fort Collins, Colorado 80525-5596

October 13, 1999

IN REPLY REFER TO:

LS4 (2380)
WUPA/Water Rights
PEFO/Water Rights
SUCR/Water Rights
WACA/Water Rights

Diane Hanna, Surface Water Rights
Arizona Department of Water Resources
Adjudications Division
500 North 3rd Street
Phoenix, Arizona 85004

Re: Statement Of Claim Of Right To Use Public Waters Of The State Of Arizona –
Registry No.s (to be assigned)
Statement Of Claimant Form For Other Uses Amendment – File No.s 39-89220,
39-89222, 39-91444, 39-91445, 39-91446, and 39-91447.

Dear Diane:

Attached you will find completed (signed and notarized) water rights claim forms for Wupatki National Monument, Petrified Forest National Park, Sunset Crater National Monument, and Walnut Canyon National Monument.

Thanks for your help with these claims. If we can do anything else please contact Jim Harte at (970) 225-3538.

Sincerely,

Charles W. Pettee
Chief, Water Rights Branch

Enclosures (7)

STATEMENT OF CLAIMANT FORM
FOROTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39-	91444
Date Filed:	
WFN	

1. Claimant Name: United States of America, c/o National Park Service (Wupatki NM)
 Claimant Address: 1201 OakRidge Drive, Suite 250 City Fort Collins
 State: Colorado Zip Code 80525 Telephone (970) 225-3500

2. Basis of Claim:

- A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____
- B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____, Permit No. _____, or Certificate of Water Right No. _____
- C. ☐ Decreed water right. Principal litigants, court, date and case no. _____
- D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____
- E. ☒ Other, describe: (see File No. 39-91444)

3. Claimed Priority Date: ____/____/____ (month/day/year) (see file No. 39-91444)

4. Use:

- A. ☐ Municipal
- B. ☐ Commercial or Industrial
- C. ☐ Mining
- D. ☐ Stockwatering other than from a stockpond
- E. ☐ Recreation, Fish & Wildlife
- F. ☒ Other, describe: (see file No. 39-91444)

5. Source of Water: (see file No. 39-91444 with attachment)

- A. ☐ Stream: name _____, tributary to _____
- B. ☐ Spring: name _____, tributary to _____
- C. ☐ Lake or Reservoir: name _____, tributary to _____
- D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required) (see file No. 39-91444)

____ 1/4, ____ 1/4, ____ 1/4, Section _____, Township _____ N/S, Range _____ E/W

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

- A. ☐ Instream pump.
- B. ☐ Gravity flow into a ditch, canal or pipeline.
- C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55- _____
- D. ☒ Other, describe: (see file No. 39-91444)

STATEMENT OF CLAIMANT FORM
FOR

OTHER USES¹
AMENDMENT

SUPERIOR COURT OF APACHE COUNTY

File No. 39-	91444
Date Filed:	
WFN	

1. Claimant Name: United States of America, c/o National Park Service (Wupatki NM)
 Claimant Address: 1201 Oakridge Drive, Suite 250 City Fort Collins
 State: Colorado Zip Code 80525 Telephone (970) 225-3500

2. Basis of Claim:

- A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____
- B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____ Permit No. _____, or Certificate of Water Right No. _____
- C. ☐ Decreed water right. Principal litigants, court, date and case no. _____
- D. ☐ Right to withdraw groundwater. Grandfathered Right No. _____
- E. ☒ Other, describe: (see File No. 39-91444) _____

3. Claimed Priority Date: ____/____/____ (month/day/year) (see file No. 39-91444)

4. Use:

- A. ☐ Municipal
- B. ☐ Commercial or Industrial
- C. ☐ Mining
- D. ☐ Stockwatering other than from a stockpond
- E. ☐ Recreation, Fish & Wildlife
- F. ☒ Other, describe: (see file No. 39-91444) _____

5. Source of Water: (see file No. 39-91444 with attachment)

- A. ☐ Stream: name _____, tributary to _____
- B. ☐ Spring: name _____, tributary to _____
- C. ☐ Lake or Reservoir: name _____, tributary to _____
- D. ☐ Groundwater.

6. Legal description of the Point of Diversion: (attach additional sheet if required) (see file No. 39-91444)
 _____ 1/4, _____ 1/4, _____ 1/4, Section _____, Township _____ N/S, Range _____ E/W

7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____

8. Means of Diversion:

- A. ☐ Instream pump.
- B. ☐ Gravity flow into a ditch, canal or pipeline.
- C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55- _____
- D. ☒ Other, describe: (see file No. 39-91444) _____

¹ See Instructions for use.

9. Means of Conveyance:

A. ☐ Ditch, canal or pipeline. If the means of conveyance is owned and/or operated by some other entity, please give name and address: _____

B. ☒ Other, describe: (see file No. 39-91444)

10. Place of Use, If other than point of diversion: (attach additional sheet if required)

County Coconino

Legal Subdivision _____

Section _____

Township _____

Range _____

N/S

E/W

N/S

E/W

11. Claimed Right: (see file No. 39-91444)

A. Maximum Flow Rate: _____

☐ cubic-feet per second

☐ gallons per minute

☐ Arizona miner's inches

B. Annual Volume of Water Use: 53 acre-feet per annum

C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage reservoir(s) place(s) of use and means of conveyance.

13. It may be necessary for a representative from the Department of Water Resources to inspect the diversion, conveyance and place of use. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant Charles W. Pettee

(Chuck Pettee, Branch Chief, Water Rights Branch, National Park Service)

14. Should it be necessary for a representative of the Department to contact you as the claimant or your representative, are there any special instructions regarding time of day or address to aid in locating the specified person? Additional contacts include: William Hansen (970) 225-3532 and Jim Harte (970) 225-3538.

15. Additional comments: Amends item II-A-4-C (page 4), to the attachment to claim

No. 39-91444, regarding Wupatki National Monument. Amends quantifiable present and future administrative consumptive uses from 17 acre-feet per annum to 53 acre-feet per annum.

(attach additional sheet if required)

16. Mail form(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.

ARIZONA DEPARTMENT OF WATER RESOURCES
ADJUDICATIONS DIVISION
500 NORTH 3RD STREET
PHOENIX, ARIZONA 85004

17. Notarized Statement:

I (We), Charles W. Pettee for NPS

the claimant(s) named in this claim, do hereby certify under penalty of perjury, that the information contained and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

(seal)

My Commission Expires
Flora B. Romero, Notary Public
State of Colorado

Notary Public

Supporting Hydro Data

mm
Southwest Region
P. O. Box 728
Santa Fe, New Mexico 87501

L54

DEC 27 1973

Memorandum

To: Superintendent, Wupatki/Sunset Crater NM
From: Hydraulic Engineer, Water Resources, SWRO
Subject: Well Schedule - Test Pumping Data, Citadel Well,
Wupatki NM

Enclosed is subject received from USGS, Flagstaff, to be added to Water Right Docket #4. Analysis of the pump data is complicated by the presence of a nearby fault zone and several severe storms which occurred during the test. As a result, the time drawdown curve has numerous changes of slope which are difficult to interpret.

Recovery data also indicates various permeabilities with the aquifer. The early part of the curve indicates an apparent transmissivity of 2,430 gallons per day per foot. The later portion with an apparent transmissivity of 1,250 gallons per day per foot is probably reflective of aquifer conditions. The well can produce at least 50 gpm from a pump setting of 1,700 feet BTC.

WATER AND DRIVING DO MIX

(SIGNED)

Garland Moore

GM:ba
Enclosures
cc:

Chief of Maintenance, MRM-WASO
Gen. Supt., Navajo Lands Group
Associate Regional Director, M-SWR
PSN-SWR

Shirk
Please file
enclosure in
Wupatki WR Docket 4.
Cover memo in
Wupatki Water Rpt
Cone. file
V

APR 11 1966

Well No. (A-25-9) 6cca

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

1,62,500

Record by E. H. McGAVOCK Source of data Obs. Driller Date Dec. 14, 1966 Map U. S. F. S. Quad 120

State Arizona 02 County Cocconino (or town)

Latitude: 353410N Longitude: 1112840 Sequence number: 1

Lat-long accuracy: 3 35 9 Sec 6 NE < SW < SW < G < SP

Local ☐ Other ☒ *Citadel West*

Well number: 21 22 23 24 number: Chapter well

Local use: Owner: Muzatri Nat Mo

LOCAL USE:

OF NAME: HUPA/KI WAI, "MOUNTAIN"

NAME OF PLACE:

Address: Ehateff

Owner or name: _____ Address: F12731211

(c) (P) (M) (H) (P) (S) (U)

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist _____

	(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(M)	(N)	(P)	(R)	(S)
Use of water:	Air cond.	Bottling,	Comm.	Dewater,	Power,	Fire,	Dom.	Irr.	Mnd.	Ind.	P.S.	Rac.	

(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)
Stock	Instit.	Unused	Repressure	Recharge	Desal-P S	Desal-other	Other

Use of (A) (B) (C) (H) (I) (F) (R) (T) (U) (V) (X) (B)
well. Anode, Drain, Seismic, Heat Res., Obs., Oil-gas, Recharge, Test, Unused, Withdwn, Waste, Destroyed

Page Date Time

DATA AVAILABLE: Well data 76 Freq. W/L meas. Inventory 77 Field aquifer char. 78

Hyd. lab. data: _____

Qual. water data: type: Complete

Freq. sampling: Original ☐ Pumpage inventory: ☒ period:

Aperture cards: _____

Log data: Driller's log

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1788 ft [] [] [] Meas. rest Nat. Park Service

Depth cased: 1780 ft. Casing type: steel Diam. 8 in.

(C) (Y) (G) (H) (B) (P) (S) (T) (W) (X) (B)

porous stage w. stage w. bar. open. acraen. ad. st.. shored. open

Finish:	porous concrete, (perf.), gravel w. gravel w. nobis. open (perf.), screen, ss. pt., shales, holes, and, gallery, and, other											
Method	(A)	(B)	(C)	(D)	(H)	(J)	(P)	(R)	(T)	(V)	(W)	(8)

Drilled: air, bored, cable, dug, hyd, jacked, air, reverse trenching, driven, drive
rot, rot., percussion, rotary, wash, other

Date _____
Drilled: Dec. 1966 Pump intake setting: _____ ft

Driller: Bill Myers, Holbrook

Life (A) (B) (C) (J) (L) (M) (N) (P) (R) (S) (T) (B) ☐ Deep ☐
(type): air, bucket, cent, jet, multiple, turb., none, piston, rot, submers, turb, other ☐ Shallow

Power	nat	LP	☐	Trans. of meter no.
(type): diesel, elec, gas, gasoline, hand, gas, wind; H.P.				

Descript. MP top of casing 3.4 above LED, Alt. MP 5383

Accracy:
(source) altimeter

Alt. LSD: 3580 42 43 (SOURCE) centimeter

Water 1586.3 above m. w. above LSD 1583 Accuracy: mass within 5%

Level	1286.5 ft	below MP; ft below	LSU	48	31	Accuracy	1 mps; 0.1 mps
Date	Jan 23 '63			53	136		Method
							determined

date: Jan 23 67 Yield: 17.6 gpm 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540 1550 1560 1570 1580 1590 1600 1610 1620 1630 1640 1650 1660 1670 1680 1690 1700 1710 1720 1730 1740 1750 1760 1770 1780 1790 1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060 2070 2080 2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230 2240 2250 2260 2270 2280 2290 2300 2310 2320 2330 2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750 3760 3770 3780 3790 3800 3810 3820 3830 3840 3850 3860 3870 3880 3890 3900 3910 3920 3930 3940 3950 3960 3970 3980 3990 4000 4010 4020 4030 4040 4050 4060 4070 4080 4090 4100 4110 4120 4130 4140 4150 4160 4170 4180 4190 4200

Drawdown: 5 ft Accuracy: meas. period 30 hrs
QUALITY OF 0.02 83 90 454

WATER DATA: Iron 0.02 Sulfate 03 Chloride 70 Hard. 73.7

Sp. Conduct 1050 $\kappa \times 10^3$ 58 Temp. 58 °F 1-25-67 Sampled 1-25-67

Taste, color, etc. good taste, clear

Well No. A-25-9 6cca

Well No. (A-25-9) 6 cca

Latitude-longitude 35, 34, 10 ⁰ 11, 28, 40.1

HYDROGEOLOGIC CARD

NAME AS ON MASTER CARD ☐ Physiographic Province: Colorado Plateaus ☐ Section: Grand Canyon
☐ Drainage Basin: Little Colorado R. ☐ Subbasin: Saline Silver Cr. ☐

(D) (U) (N) (V) (H) (K) (L)
 Topo of depression, stream channel, dunes, flat, hilltop, sink, swamp,
 (S) (P) (S) (T) (U) (V)
 offshore, pediment, hillslope, terrace, undulating, valley flat

MAJOR AQUIFER: Permian ☐ Supai Fm ☐
 system series aquifer, formation, group
 Lithology: very fine-gr ss ☐ Origin: ☐ Thickness: ☐ ft
 Length of well open to: ☐ ft Depth to top of: ☐ ft
 MINOR AQUIFER: ☐ ☐ ☐ ☐
 system series aquifer, formation, group
 Lithology: ☐ Origin: ☐ Thickness: ☐ ft
 Length of well open to: ☐ ft Depth to top of: ☐ ft

Intervals Screened: ☐
 Depth to consolidated rock: 49 ft ☐ Source of data: Driller's log ☐
 Depth to basement: ☐ ft ☐ Source of data: ☐
 Surficial material: sandy silt + cinders ☐ Infiltration characteristics: good ☐
 Coefficient Trans: ☐ spd/ft ☐ Coefficient Storage: ☐ ☐
 Coefficient Perm: ☐ spd/ft² ☐ Spec cap: 3-5 ☐ spm/ft; Number of geologic cards: ☐

Driller's Log

- 49 Red cinders
- 70 Yellow lime
- 105 Crack, lime
- 135 Crack, lime
- 180 Light brown lime
- 225 Light yellow lime
- 265 White lime
- 305 Yellow lime
- 490 Buff or reddish yellow sandstone
- 1275 Yellow sandstone
- 1350 Red sandstone
- 1580 Buff sandstone
- 1558 Red sandstone
- 1800 Yellow sandstone;

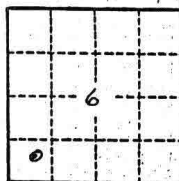
Water at 1670

Well in to 1789

Bail Test on Dec. 14, 1966

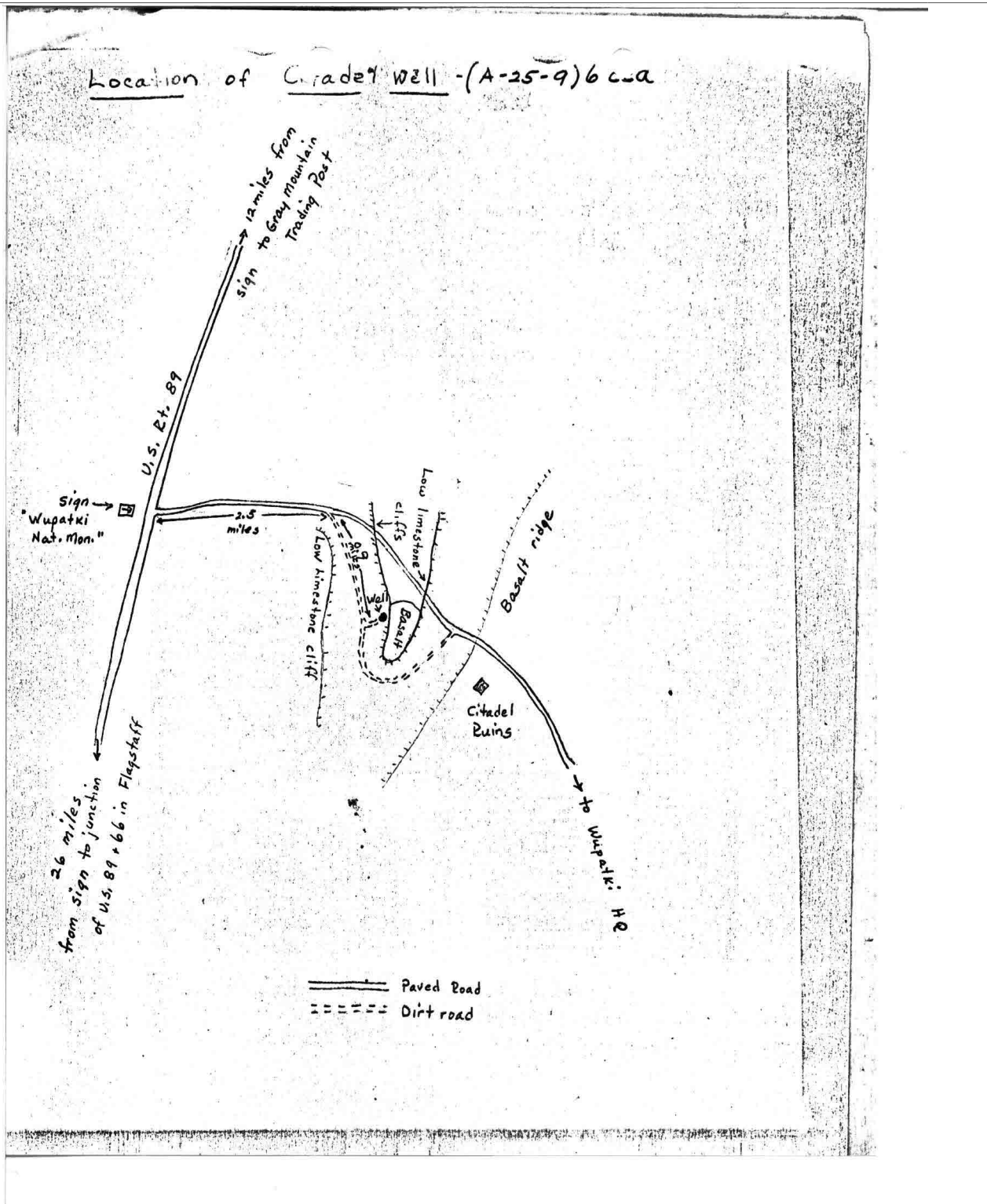
Bailed 15 gpm for 2 hours with
no noticeable drawdown.

Specific conductance 725.

S. Conductance 910 during
development 1-16-66.see sketch map
attached.

Well No. (A-25-9) 6 cca

GPO 857-700



CITADEL WELL - Wupatki National Monument

AQUIFER TEST FIELD DATA SHEET

☒ Pumped wellPage 1 of 11

___ Observation well No. ___

Owner: *National Park Service*Location: *(A-25-9) 6 cca*

Observers:

Measuring point is top 1" air line which is 3.4 feet ^{above}~~below~~ surface.Static water level 1582.90 feet below land surface.Distance to pumped well 0 feet. *Pump set at 1704'*Discharge rate of pumped well 17.6 gpm (gallons per minute). *for last 48 hrs.*Total number of observation wells 0.*Pump started at 11:15*

Date	Clock time	Elapsed time since pumping started / stopped (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Remarks
1-23-67	11:16	1/2		0.2	
		1		0.3	
		1 1/2		0.25	
	11:17	2		0.25	<i>5.8 gpm</i>
		2 1/2		0.25	
	11:18	3		0.20	<i>water clear</i>
		3 1/2		0.25	
		4		0.30	
		4 1/2		0.25	<i>5.8 gpm</i>
		5		0.30	
		5 1/2		0.25	
	11:21	6		0.30	
		6 1/2		0.30	
		7		0.30	

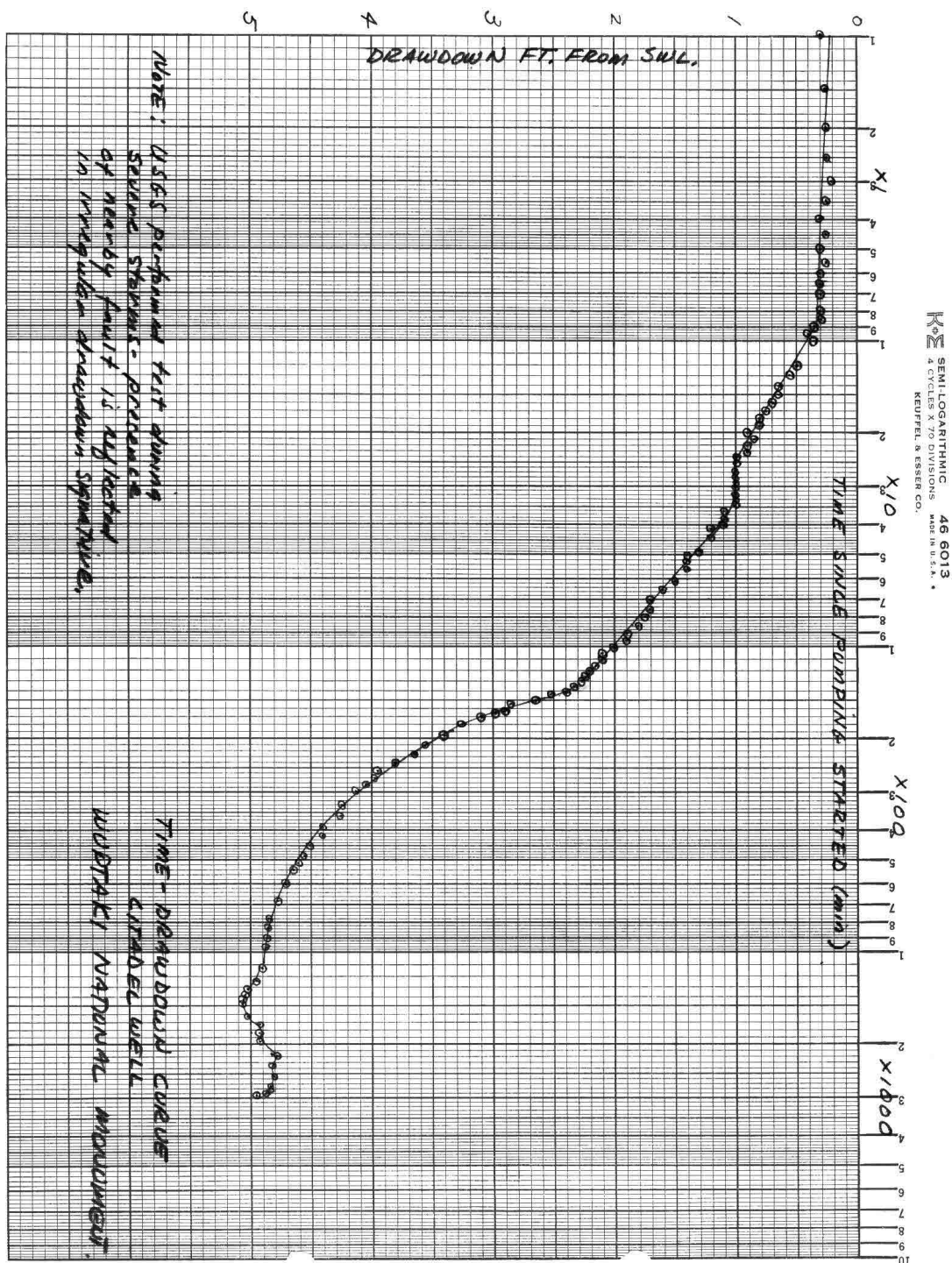
Citadel well
AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

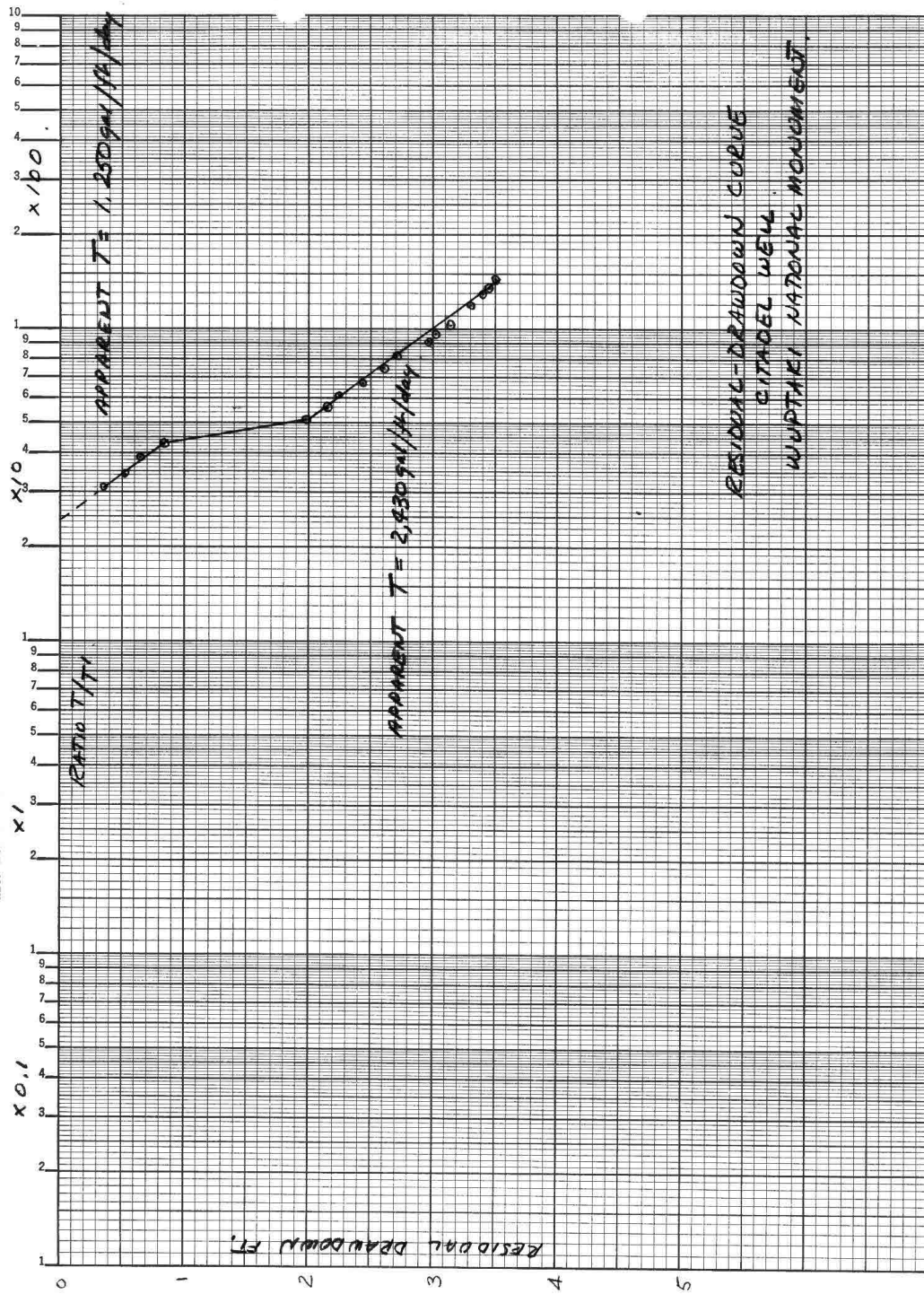
Page 2 of 11

☐ Observation well No.

Date	Clock time	Elapsed time since pumping started / ~~stopped~~ (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Remarks
<u>1-23-67</u>		<u>7 1/2</u>		<u>0.30</u>	
		<u>8</u>		<u>0.30</u>	
		<u>8 1/2</u>		<u>0.30</u>	
	<u>11:24</u>	<u>9</u>		<u>0.35</u>	<u>5.8 gpm</u>
		<u>9 1/2</u>		<u>0.40</u>	
		<u>10</u>		<u>0.35</u>	<u>5.6 gpm</u>
		<u>11</u>			<u>opened valve</u>
		<u>12</u>		<u>0.50</u>	<u>15 gpm</u>
		<u>13</u>		<u>0.55</u>	<u>12 gpm</u>
		<u>14</u>		<u>0.65</u>	
	<u>11:30</u>	<u>15</u>		<u>0.65</u>	
		<u>16</u>		<u>0.70</u>	<u>12 gpm</u>
		<u>17</u>		<u>0.75</u>	
		<u>18</u>		<u>0.80</u>	
		<u>19</u>		<u>0.80</u>	
		<u>20</u>		<u>0.90</u>	<u>12 gpm</u>
		<u>21</u>		<u>0.85</u>	
		<u>22</u>		<u>0.90</u>	
<u>✓</u>	<u>11:38</u>	<u>23</u>		<u>0.90</u>	



KEE SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS
MADE IN U.S.A.
KEUFFEL & ESSER CO.



Citadel well
AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

Page 3 of 11

☐ Observation well No.

Date	Clock time	Elapsed time since pumping started / ~~stopped~~ (minutes)	Depth to water, below land surface (feet)	Drawdown or ~~recovery~~ (feet)	Remarks
1-23-67		24		1.0	
	11:40	25		1.0	
		26		1.0	
		27		1.0	
		28		1.0	12 gpm
		29		1.0	
	11:45	30		1.0	
		32		1.0	
		34		1.0	
		36		1.1	
		38		1.1	
	11:55	40		1.1	
		42		1.2	
		44		1.2	
		46		—	12 gpm
		48		1.3	
	12:05	50		1.4	
		52		1.4	
✓		54		1.4	

Citadel Well
AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

Page 4 of 11

Observation well No.

Date	Clock time	Elapsed time since pumping started / stopped (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Remarks
1-23-67		56		1.4	Temp. = 68°F Sp. Cond. 1100
		61		1.5	
		65		1.6	
		70		1.7	12.1 gpm
	12:30	75	1584.6	1.7	
		80		1.75	
		85		1.80	Sp. Cond. 1100
	12:45	90		1.90	
		95		1.90	
		100		2.00	
	13:00	105		2.10	12.2 gpm
		110		2.10	
		115		2.15	
	13:15	120		2.20	
		125		2.22	
		130		2.26	12.1 gpm
		135		2.25	
		136		—	Increase to 17.6 gpm
✓		137		2.33	

Citadel Well
AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

Page 5 of 11

___ Observation well No. ___

Date	Clock time	Elapsed time since pumping started / ~~stopped~~ (minutes)	Depth to water, below land surface (feet)	Drawdown or ~~recovery~~ (feet)	Remarks
1-23-67		138		2.35	
		139		2.40	
		140		2.40	
		142		2.52	17.6 gpm
		144		2.52	
		147		2.65	
		150		2.65	17.6 gpm
		155		2.85	
		162		2.90	
	14:00	165		2.98	
		170	1586.0	3.10	
		175		3.15	
		180		3.25	
	14:30	195		3.40	17.6 gpm
		210		3.56	
	15:00	225		3.65	
		240		3.80	
	15:30	255		3.95	
↓		270		3.98	

Citadel Well
 AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

Page 6 of 11

Observation well No.

Date	Clock time	Elapsed time since pumping started / ~~stopped~~ (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Remarks
1-23-67	16:00	285		4.05	
	16:15	300		4.12	17.6 gpm
	16:45	330		4.24	Temp. 69°F Sp. Cond. 950
	17:15	360		4.25	
	17:45	390		4.44	17.6 gpm
	18:15	420		4.44	
	18:45	450		4.50	17.6 gpm
	19:15	480		4.55	
	19:45	510	1587.5	4.60	
	20:15	540		4.63	17.6 gpm
	20:45	570		4.68	
	21:15	600		4.70	17.6 gpm
	21:45	630		4.71	
	22:15	660		4.73	
	22:45	690		4.77	17.6 gpm
	23:15	720		4.81	
↓	23:45	750		4.83	
1-24-67	00:15	780		4.82	
↓	00:45	810		4.83	17.6 gpm

Citadel Well
AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

Page 7 of 11

☐ Observation well No.

Date	Clock time	Elapsed time since pumping started / ~~stopped~~ (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Remarks
1-24-67	01:15	840		4.84	
	01:45	870		4.85	17.6 gpm
	02:15	900		4.85	
	02:45	930		4.85	17.6 gpm
	03:30	975		4.86	
	04:30	1035		4.86	17.6 gpm
	06:00	1125		4.90	
	07:00	1185		4.93	
	08:00	1245		4.94	17.6 gpm
	09:00	1305		5.01	Sp. Cond. 950 17.6 gpm
	10:00	1365		5.03	17.7 gpm
	11:00	1425	1587.95	5.05	17.6 gpm
	12:00	1485		5.05	
	13:00	1545		5.04	Sp. Cond. 980 17.0 gpm
	14:10	1615		5.01	17.6 gpm
	15:00	1665		4.95	17.8 gpm
	16:00	1725		4.92	17.4 gpm
	18:00	1845		4.92	Temp. 68 °F Sp. Cond. 1000 17.7 gpm
✓	20:00	1965		4.82	17.6 gpm

Page 8 of 11[illegible]

Citadel well
 AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

☒ Pumped well

Recovery

Page 9 of 11

Observation well No. _____

Date	Clock time	Elapsed time since pumping started / stopped (minutes)	Depth to water, below land surface (feet)	<i>Residual</i>	Remarks
				Drawdown or recovery (feet)	
1-25-67	13:00 1/2	0.5		4.80	
	13:01	1		4.75	
		1.5		4.70	
	13:02	2		4.60	
		2.7		4.55	
		3		4.50	
		3.8		4.45	
	13:05	5		4.40	
		6		4.35	
		6.8		4.30	
		7.5		4.25	
	13:08	8		4.20	
		9		4.15	
		10		4.10	
		10.5		4.05	
	13:11	11		4.00	
		12		3.95	
		13		3.90	
✓	13:14	14		3.85	

Citadel Well
 AQUIFER TEST FIELD DATA SHEET
 Continuation sheet

Recovery

☒ Pumped well

Page 10 of 11

Observation well No.

Residual

Date	Clock time	Elapsed time since pumping started / stopped (minutes)	Depth to water, below land surface (feet)	Drawdown ~~or~~ recovery (feet)	Remarks
1-25-67	13:15	15		3.80	
		15.5		3.75	
		16.5		3.70	
		17.5		3.65	
		18.8		3.60	
	13:20	20.0		3.55	
		21		3.50	
		22.3		3.45	
		23.1		3.40	
		24.5		3.35	
		25.3		3.30	
	13:27	27.0		3.25	
		29		3.15	
		31		3.04	
		33		2.96	
	13:35	35		2.92	
		37		2.70	
		40		2.61	
✓	13:45	45		2.43	

Citadel Well - Recovery

-1-

Time since pump test started (mins) t	Time since pump stopped (minutes) t'	Ratio t/t'	Residual Drawdown
2985	0	—	4.95
2986	1	2986.0	4.75
2986.5	1.5	1,991.0	4.70
2987	2	1,493.5	4.60
2987.7	2.7	1,106.6	4.55
2988	3	996.0	4.50
2988.8	3.8	786.5	4.45
2990	5	598.0	4.40
2991	6	498.5	4.35
2991.8	6.8	440.0	4.30
2992.5	7.5	399.0	4.25
2993	8	374.1	4.20
2994	9	332.7	4.15
2995	10	299.5	4.10
2995.5	10.5	285.3	4.05
2996	11	272.4	4.00
2997	12	249.8	3.95
2998	13	230.6	3.90
2999	14	214.2	3.85
3000	15	200.0	3.80
3000.5	15.5	193.6	3.75
3001.5	16.5	181.9	3.70
3002.5	17.5	171.6	3.65
3003.8	18.8	159.8	3.60
3005	20	150.2	3.55

Time since pump test started (mins) t	Time since pump stopped (minutes) t'	Ratio t/t'	Residual Drawdown
3006	21	143.1	3.50
3007.3	22.3	134.8	3.45
3008.1	23.1	130.2	3.40
3009.5	24.5	122.8	3.35
3010.3	25.3	119.0	3.30
3012	27	111.6	3.25
3014	29	103.9	3.15
3016	31	97.3	3.04
3018	33	91.4	2.96
3020	35	86.3	2.92
3022	37	81.7	2.70
3025	40	75.6	2.61
3030	45	67.3	2.43
3035	50	60.7	2.25
3040	55	55.3	2.15
3045	60	50.8	1.98
3055	70	43.6	0.83
3065	80	38.3	0.65
3075	90	34.2	0.52
3085	100	30.8	0.37

Page 11 of 11

Residual

[illegible]

61542

State	County	Lat.	Long.	Seq. No.	Date	Samp. depth
Remarks: Source: Drilled & cased DD: Sept., 1958 Depth: 904' Producing intervals from: 801 WL: 780' below surface Sampled from storage tank Yield: 50 GM pump 50 PC: Wupatki Ruin Residence Use: Dom., Ps <i>Q Rem 20ml 1.0</i> $\begin{array}{r} 8.15 \\ 0.05 \\ \hline 8.15 \\ -0.05 \\ \hline 8.10 \end{array}$						
B				Radiochemical		
ml				26	28	55
I				29	31	58
Alk. as CaCO ₃				32	35	61
Free CO ₂				36	38	64
SAR				39	41	
RSC				42	44	
Organics				45	47	
MBAS (ABS) ml				48	50	
				51	54	
a Master card A (21-34) b Master card A (52-66) c Type: 1. Pumped 4. Snigot 5. Bailor 6. Special d Source of data: 1. USGS 2. UPHS 3. State Health 4. State 5. Industrial 6. Private 7. National 8. Other e Indicate constituent and card color Card S						

Chemist Richard L. Lepp

F. E. WILLIAMS

Checked by

Date begun MAY 24 1967

Date transmitted

Punched by

Verified

Provisional record, subject to revision

D. 3 (not received)

~~Dec 17~~FORM 9-1367 (9-1960)
U. S. DEPT. OF INTERIOR
GEOLOGICAL SURVEY

25N.10E.30.b

ANALYTICAL STATEMENT - GW
NPS

COUNTY Coconino (Ariz)

LAB NO. 54204

Location <u>Wupatki Natl. Mon.</u>		Date of collection <u>Apr. 20, 1964</u>		
<u>Flagstaff, Ariz.</u>		Ignition Loss <u>0</u>	Color <u>0</u>	
<u>NW 1/4 sec. 30 T25N R10E</u>		Dissolved Solids:	<u>SiO₂</u>	<u>10</u>
Source (type of well) <u>Drilled</u>		Residue at 180°C <u>1.210</u>	<u>Fe (total)</u>	<u>0.09</u>
Owner <u>NPS, Wupatki Natl. Mon.</u>		Calculated (Sum) <u>1.160</u>		
Date dried <u>10/23/58</u>		Time per Area Foot <u>1.58</u>	<u>Ca</u>	<u>3.74</u>
Cased to <u>904'</u>		Hardness as CaCO ₃ <u>458</u>	<u>Mg</u>	<u>5.42</u>
Depth <u>904'</u>		Non-carbonate Hardness <u>260</u>	<u>Na</u>	<u>10.92</u>
Lithology <u>Coconino sandstone</u>		Specific Conductance <u>2.020</u>	<u>K</u>	<u>0.13</u>
Static <u>780</u> ft			<u>Na + K</u>	<u>5.0</u>
Sampled after pumping <u> </u> hrs			<u>HCO₃</u>	<u>3.97</u>
Yield <u> </u> GPM (mean or est)			<u>CO₃</u>	<u>0.00</u>
Pt of coll <u>Wupatki Visitor Center</u>			<u>SO₄</u>	<u>4.62</u>
Appearance <u>Clear</u>			<u>Cl</u>	<u>11.51</u>
Temp (°F) <u>Dom., Ps</u>			<u>F</u>	<u>0.02</u>
Collector <u>Dave Todd</u>			<u>NO₃</u>	<u>0.01</u>
Chemist <u>JON</u>			<u>B</u>	<u>0.08</u>
Date completed <u>May 19, 1964</u>				
Checked by <u>LJA</u>				
Date transmitted <u> </u>				

Provisional records, subject to revision

Geological Survey
Experimental Station: qwe-gw (1966)

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey

Water Resources Division

State Ariz. County Cocconino Latitude 34° 10' 50" N Longitude 108° 11' 36" W

Local well No. 25.9.6.300 Owner U.S.D.I. - NPS Collected by Russell J. Mahan Lab. No. 61211

Citadel Ruin Wupatki, N.M.

WBF Suppl. Appearance Clear Wa. 1 Lab. No. 61211

Sampling depth 26 Type Pumped

Remarks and explanation on other side

Provisional records, subject to revision.

K ₂ 106	3541 R	KCl	338	1050	1050	35
pH	7.4	Temperature °F	68	39	41	68
SO ₂	52.2	10	14	14	42	44
Abs	2.65	45	49	49	53	53
Ca	1.09	5	109	109	54	58
Abs	0.01	109	109	109	54	58
Mg	4.2	45	49	49	53	53
Subtotal cations (Ca, Mg)	5.29	54	58	58	62	62
Na	0-100	57	57	57	61	61
Abs	0.01	57	57	57	61	61
K	36.2	36	36	36	40	40
Subtotal cations (Ca, Mg, Na, K)	5.00	59	61	61	65	65
HCO ₃	21.90	50	50	50	54	54
Abs	21.90	50	50	50	54	54
CO ₂	5.0	50	50	50	54	54
Abs	5.0	50	50	50	54	54
SO ₄	1.0	10	10	10	14	14
Abs	1.0	10	10	10	14	14
Cl	0.5	5	5	5	9	9
Abs	0.5	5	5	5	9	9
Mg · AgNO ₃	4.30	43	43	43	47	47
Abs	4.30	43	43	43	47	47
Source of data	79	80	80	80	84	84
Card Q	80	80	80	80	84	84
Fe	1.73	17	17	17	21	21
Abs	1.73	17	17	17	21	21
Total	1.73	17	17	17	21	21
Disol.	1.73	17	17	17	21	21
Mn	0.30	30	30	30	34	34
Abs	0.30	30	30	30	34	34
Total	0.30	30	30	30	34	34
Disol.	0.30	30	30	30	34	34
Cu	0.52	52	52	52	56	56
Abs	0.52	52	52	52	56	56
Pb	0.54	54	54	54	58	58
Abs	0.54	54	54	54	58	58
Zn	0.57	57	57	57	61	61
Abs	0.57	57	57	57	61	61
Subtotal cations (Al, Fe, Mn, Cu, Pb, Zn)	6.25	62	62	62	66	66
Subtotal cations (Ca, Mg, Na, K)	6.25	62	62	62	66	66
Total cations	6.25	62	62	62	66	66
Residue at 180°	1.05	10	10	10	14	14
Dist. No. X-136	61.4580	61	61	61	65	65
Calculated	61.3955	61	61	61	65	65
Hardness	25	25	25	25	29	29
Ca, Mg	11.10	11	11	11	15	15
Noncarbonate	11.10	11	11	11	15	15
Color	3	3	3	3	7	7

61211		Provisional record, subject to revision									
State	County	Lat.	Long.	Seq. No.	Date	Time	Depth	Temp.	Bar.	Wind	Cloud
Remarks: Source: Drilled - cable tool Depth: 1780' Producing intervals from: 1670' to 1780' WL: static 1583' below land surface Sampled after pumping: 150 hrs. Yield: 17.6 GM pump meas. PC: Discharge pipe Use: Dom., ps Rmks: Tuba Star Route Gstaft, Ariz. 86001											
0.5 377 1.33 } 1.34 1.0 737 1.36 }											
Br _____ ml 26 28											
I _____ ml 29 31											
Alk. as CaCO₃ 32 35											
Free CO₂ 36 38											
SAR 39 41											
RSC 42 44											
Organics											
MBAS (ABS) _____ ml 45 47											
48 50											
51 54											
Radiochemical Alpha (pc/l) 55 57											
Beta (pc/l) 58 60											
Ra (pc/l) 61 63											
U (ug/l) 64 66											
Other data (67-79)e											
e Indicate constituent and card columns. Card S 80 S											

Richard L. Lepp
 Chemist
 Date begun 7 1967
 Punched by _____
 Verified _____
 E. F. WILLIAMS
 Checked by _____
 Date transmitted _____

Other Supporting Information

Memorandum

To: Stan Ponce
From: Walter Rusinek
Subject: Water rights status at Wupatki and Sunset Crater
National Monuments

Sunset Crater National Monument

In 1985, we filed claims for water rights in SUCR as part of the general adjudication of the Little Colorado River system in Arizona. The case is currently before the Apache County Superior Court. The claims filed were:

- 1.) Reserved rights -- non-quantifiable claim for non-consumptive use of all water within the Monument above reserved consumptive claims. Use is any water use necessary to fulfill the purposes of the Monument, and to provide for fire protection, watershed protection or reclamation, road construction and other administrative needs. Claim includes instream flows.
- 2.) Reserved rights -- present and future consumptive use of 20 AFY from unnamed surface and groundwater sources for administrative and other Park purposes.
- 3.) State appropriative rights:
 - a.) Headquarters Well #1 -- 65 AFY, priority March 7, 1965 for municipal and emergency uses.
 - b.) Headquarters Well #2 -- 65 AFY, priority December 1, 1979 for municipal uses.

Well #2 replaces well #1 which remains to provide an emergency back-up water system. Well #2 is registered under Arizona law, #649813, filed June 14, 1982.
 - c.) Black Falls Trading Post Well -- 90 gpm, priority June 12, 1963 for municipal and recreational, fish and wildlife uses.

Wupatki National Monument

A claim was also filed for WUPA water rights in the Little Colorado River adjudication. These claims include:

- 1.) Reserved rights -- non-quantifiable claim for all non-consumptive use of water within the Monument above reserved consumptive claims. Use is any use necessary to fulfill the purposes of the Monument, and to provide for fire protection, watershed reclamation or protection, road construction or other administrative needs. Claim includes instream flow.
- 2.) Reserved rights -- present and future consumptive use of 17 AFY from Citadel Ruin well, headquarters well, Wupatki Springs and other surface and groundwater sources for administrative and other Park purposes.
- 3.) State appropriative rights:
 - a.) Heiser Spring -- 2.5 AFY, priority August 23, 1942 for irrigation, stock watering, fish and wildlife, recreation and municipal uses.
 - b.) Peshlaki (Cottonwood) Spring -- 0.5 AFY, priority December 31, 1983 for recreation, fish and wildlife, and municipal uses.
- 4.) The docket contains draft copies of applications to appropriate water in Arizona for both Heiser and Wupatki springs dated March 7, 1955. It does not appear the applications were ever filed.
- 5.) Citadel Ruin Well and Headquarters Well both are registered under Arizona law, filing date June 14, 1982. Citadel Ruin well is # 649814, maximum capacity 17.6 gpm; Headquarters Well is # 649816, maximum capacity 16 gpm.

154(SWR-OM)

CERTIFIED

JUN 14 1982

Mr. Wesley E. Steiner, Director
State of Arizona
Department of Water Resources
99 East Virginia Avenue
Phoenix, Arizona 85004

Dear Mr. Steiner:

Enclosed are the completed forms to register all production and observation wells administered by the Southwest Region of the National Park Service located in Santa Fe, New Mexico, as required by Arizona Groundwater Management Act (1980), A.R.S. 45-493.

The following production and observation wells are to be registered:

Hubbell Trading Post - one production well
Wupatki National Monument - one production well and one observation well
Sunset Crater National Monument - one production well and one observation well

The following wells are also reported as a matter of comity:

Canyon de Chelly National Monument - 1 well
Navajo National Monument - 2 wells

Should you have any questions with regards to this matter, or if we can be of further assistance, please contact Garland Moore of this office at (505) 938-6368.

Sincerely yours,

/s/ Robert L. Kerr

Regional Director,
Southwest Region

Enclosures

cc:

General Superintendent, Navajo Lands Group
Superintendents, Canyon de Chelly, Navajo, Sunset/Wupatki, Hubbell Trading Post
Chief, Division of Water Resources, WASO/497
(each with copy of enclosure)

Note: Please file this information in your appropriate water right docket

LWS006/08 / 6/11/82

OPTIONAL FORM NO. 10
5010-104

UNITED STATES GOVERNMENT

Memorandum

L54-WUPA

TO : Dick Weaver

DATE: April 4, 1967

FROM : Acting Supervisory Hydraulic Engineer

SUBJECT: Material for docket, Citadel Well, Wupatki

Dear Dick:

I have enclosed your copy of the drawdown recovery curve, draw-down recovery chart, Geological Survey well schedule, and water analysis--all for Citadel well and Wupatki National Monuments.

Also enclosed is a letter of transmittal from U. S. Geological Survey dated March 29, 1967.

Please make sure that we have four copies of each of these items, and then prepare them for distribution and a docket. We can make the docket while I'm there next week.

Bill

Bill

Enclosure



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION
P.O. BOX 4070
TUCSON, ARIZONA 85717

March 29, 1967

Mr. Bill Fields, Hydraulic Engineer
Southwest Region, National Park Service
P. O. Box 728
Santa Fe, New Mexico 87501

Dear Mr. Fields:

Attached are all the data we have pertaining to the Citadel Well on the Wupatki National Monument in Coconino County, Arizona. Mr. McGavock, who did this work, does not plan to make a log of the well cuttings because the cuttings were badly contaminated by red shale dumped in the well during drilling.

Also attached is a well schedule and chemical analysis for the deep well at Sunset Crater National Monument.

Analysis of the pumping test data is complicated by the facts that the well is located in or near a fault zone and several severe storms occurred during the test. As a result, the time-drawdown curve obtained during pumping has numerous changes of slope which are difficult to interpret.

A semi-logarithmic plot of the recovery data also indicates variable permeabilities within the aquifer. The early part of the curve indicates an apparent transmissibility of 2,430 gpd/ft (gallons per day per foot). The later portion of the curve indicates an apparent transmissibility of 1,250 gpd/ft. This figure of 1,250 gpd/ft is probably representative of the aquifer's capability during long term pumping.

The well can produce at least 50 gpm (gallons per minute) from a pump setting of 1700 feet.

I trust this letter will satisfactorily suit your needs.

Sincerely yours,

for H. M. Babcock
District Chief

Enclosures

Form G-194
(Rev. 5/60)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Wupatki National Monument

(Park)

UNIT PRICE CONTRACT

Check One:

Monthly
Estimate ☐Final
Estimate ☒

ESTIMATE NO. Six (FINAL)		FOR (Period) December 15, 1966 thru February 5, 1967		DATE February 20, 1967	
CONTRACT NO. 14-10-0333-1586		COMPLETION DATE March 22, 1966		EXTENDED DATE February 5, 1967	
CONTRACTOR Holbrook Drilling Company, P.O. Box 303, Holbrook, Arizona				ORIGINAL CONTRACT \$ 12,230.00	
PROJECT Drilling Water Well, Citadel Ruin				CHANGE ORDERS* \$ 11,975.00	
LOCATION Wupatki National Monument				TOTAL CONTRACT \$ 27,205.00	
ITEM NO.	CONTRACT QUANTITY	DESCRIPTION	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
1.	Lump Sum	Moving equipment to and from Well site at Lump Sum Price	100%	100.00	100.00
2	300	Lineal feet of Bore 10" in diameter- surface to 300 feet-per lineal foot	300	4.50	1,350.00
3	300	Lineal feet of Bore 10" in diameter 300 to 600 feet, per lineal foot	300	4.50	1,350.00
4	300	Lineal feet of Bore 10" in diameter 600 to 900 feet, per lineal foot	300	4.50	1,350.00
5	300	Lineal feet of Bore 10" in diameter 900 to 1200 feet, per lineal foot	300	4.50	1,350.00
6	400	Lineal feet of Bore 10" in diameter 1200 to 1600 feet, per lineal foot	400	4.00	1,600.00
7	1300	Lineal feet furnishing and installing 8" I.D. Casing, per lineal foot	1350	2.50	3,375.00
8	200	Lineal feet furnishing and installing 8" I.D. Perforated Casing, per lin. ft.	150	3.00	450.00
9	8	Hours Bailing Test, per hour	8	12.50	100.00
10	48	Hours Pumping Test, per hour	48	20.00	960.00
11	25	Lineal feet, plugging of abandoned exploratory bore, per lineal foot	0	.40	0.00
12	20	Hours developing Well, per hour	20	10.00	200.00
13	10	Feet of reaming hole to 12" from 0'- 10' and placing concrete around casing	10	1.00	10.00

Form 10-194
(Rev. 9/60)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Wupatki National Monument

(Park)

Check One:

Monthly
Estimate ☐Final
Estimate ☒

UNIT PRICE CONTRACT

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LOCATION Wupatki National Monument		TOTAL CONTRACT \$ 27,205.00

ITEM NO.	CONTRACT QUANTITY	DESCRIPTION	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
		<u>Change Order No. 1</u>			
	400	Lineal feet of 10" bore from 1600' to 1780' depth, per foot	180	14.00	2,520.00
	500	Lineal feet of 8" I.D. Casing furnished and installed, per foot	280	3.50	980.00
	8	Hours bailing Test, additional allowance in rate due to additional depth, per hour	8	7.50	60.00
	48	Hours Pump Test, additional allowance in rate due to additional depth, per hour	48	30.00	1,440.00
	20	Hours developing Well, additional allowance in rate due to additional depth, per hour	20	10.00	200.00
		<u>Change Order No. 2</u>			
	102	Hours Pump Test, additional hours to eliminate sanding conditions	102	50.00	5,100.00
	1650	Feet, 3/4" pipe from surface to 1650' for probe test	1670'	0.50	835.00

RECOMMENDED (Project Supervisor) <i>William E. Fields</i> William E. Fields	SUMMARY TOTAL TO DATE \$ 23,330.00 LESS RETAINED AMOUNT..... -- NET..... 23,330.00 LESS PREVIOUS PAYMENTS..... 13,117.50 LESS LIQUIDATED DAMAGES..... -- DUE THIS ESTIMATE..... 10,212.50 % COMPLETED TO DATE: 100%
APPROVED (Contracting Officer) <i>Russell L. Mahan</i> Russell L. Mahan	DATE 2/20/67

*Show Breakdown on Reverse

(See Reverse for Distribution)

Change Order No. 1

1. Extend the depth of the well from 1600' to 2000' or to any depth within those footages considered satisfactory to complete a producing well of the capacity required as determined by the Contracting Officer. The bore to be 10" in diameter.
400 lin. ft. of 10" bore from 1600' to 2000' @ \$14 per lin. ft. Add \$5,600.
2. Furnish & install up to 500 lin. ft. of 8" I.D. casing made necessary in extending depth of well as shown in Item No. 1 above.
500 lin. ft. of 8" casing @ \$3.50 per lin. ft. Add 1,750.
3. Furnish all necessary labor, equipment, materials and supplies and perform all operations in connection with the bail test to the additional depth of well as required.
Cost as per this change: 8 hrs. bailing test @ \$20. per hr. \$160.
Cost as per contract: 8 hrs. bailing test @ \$12.50 per hr. 100.
Add 60.
4. Furnish all necessary labor, place equipment, materials and supplies & perform all operations in connection with installation of the pump for testing purposes at the additional depth to be determined by the Contracting Officer
Cost as per this change: 48 hrs. pump test @ \$50. per hr. \$2,400.
Cost as per Contract: 48 hrs. pump test @ \$20. per hr. 960.
Add 1,440.
5. Furnish all necessary labor, equipment, materials & supplies and perform all operations in connection with the developing of the well at the additional depth of well as required.
Cost as per this change: 20 hrs. developing well @ \$20. per hr. \$400.
Cost as per contract: 20 hrs. developing well @ \$10. per hr. 200.
Add 200.
- Total Change Order No. 1 (Items 1 thru 5): \$9,050.

Change Order No. 2

1. Increase hours of pump testing from 48 hours to 150 hrs, 102 hrs @ \$50.00 (See Item #10 original contract and Item #4, Change Order #1) 5,100.00
2. 1650' 3/4" pipe from surface to 1650' depth in well.
1650' @ 0.50. (see attached quotation). 825.00
- Total Change Order No. 2 (Items 1 and 2): 5,925.00

DISTRIBUTIONIf Region is Finance Office

Region.....1 original and 1 conformed copy
WASO.....1 signed copy
Field Design Off..1 conformed copy
Supt.....1 conformed copy
Proj. Supv.....1 conformed copy
Contractor.....1 signed copy

If Park is Finance Office

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Region.....1 conformed copy
Supt.....1 original and 1 conformed copy
Field Design Off. 1 conformed copy
Proj. Supv.....1 conformed copy
Contractor.....1 signed copy

INT.DUP., D.C. 64-8454

Wupatki-Sunset Crater National Monuments
Tuba Star Route
Flagstaff, Arizona 86001

D5039

January 30, 1967

Memorandum

To: Regional Director
From: Superintendent, Wupatki-Sunset Crater
Subject: Citadel Headquarters Water System

This is to advise you that the Citadel Well contract has finally reached that stage of completion where we are assured of an ample supply of water for the proposed headquarters development at that site. All that is left to accomplish is capping, grouting around upper casing and clean-up of the site.

The well is 1780' deep and is cased to the full depth with 8" casing. The static level of the water before the final pump test was 1582.9'. The pump was set at 1700' and pumped for 50 hours on the step draw-down test. It was pumped at 17.6 gallons per minute for the entire 50 hours and the extreme draw-down was approximately 5'. On the recovery test of 100 minutes it had built back to 1582.5' when test completed. The temperature of the water was 68 degrees and conductivity 1000.

Water sample was taken during test and will be submitted to the U.S.G.S. for analysis. Mr. Fields made a field analysis of same at an earlier date and advised us that the quality is better than either the Wupatki Ruin or the Sunset Crater wells so we should be in business.

With the assurance of an adequate supply of good quality water we urgently hope that the development at this site can be programmed in the not too distant future and that the major developments for Wupatki and Sunset Crater can be written off as completed. Is this too much to expect after eight years of hoping?

(Sgd) Russell L. Mahan

Russell L. Mahan

In duplicate
cc: Mr. Fields ✓

FILE CODELSA - WAPACitadelMESSAGE MEMO

DATE

1-4-68

☐ CHIEF
☐ ASST CHIEF REALTY
☐ CHIEF APPRAISER
☐ HYDR. ENG.
☐ -----
☐ -----
☐ FILE

☒ INFORMATIONAL
☐ TAKE ACTION
☐ PREPARE REPLY

SUBJECT: PHONE (☒) VISIT () CORRESPONDENCE ()

FROM: G. DownieTO: Supt. Mahan @ Wapiti

TOPIC:

Citadel Test Well

- Well bottomed @ 1780', cased, static water level at 1588', pump tests to follow next week.
- Time extension and Finding of Fact ~~to~~ have been submitted to Bill Fields at earlier date.

Purpose of Phone Call - Information needed to complete a report (Quarterly Report on Progress of Water Resources Studies etc) requested by Washington.

RECOMMENDED ACTION:

BY:

G. Downie

File

154-SSCLN

SAN FRANCISCO PLANNING AND SERVICE CENTER
Office of Land and Water Rights
P. O. Box 728
Santa Fe, New Mexico
87501

DEC 10 1966

Memorandum

To: Superintendent, Wupatki
From: Hydraulic Engineer, SSC, Santa Fe
Subject: Sand Problem, Citadel Well, Sunset Crater-Wupatki

Reference our telephone conversation of December 19 concerning the sanding problem in the Citadel well. It has been my experience that prolonged bailing and developing will not cure a "blow sand" condition such as exists in this well. Fine particles of this nature need to be pumped out for a prolonged period of time.

I would recommend a bell housing or attached pipe to the bottom of a submergible pump then pump at a low rate for at least 150 hours. It will require 100 hours of this to clean the well up then we can use the other 50 hours for a step draw-down test.

As we discussed we will begin the actual pump test the morning of January 10 and I will be present to supervise. The 100 hours of sand pumping should be done prior to this time.

WILLIAM E. FIELDS
William E. Fields

cc: Supervisory Hydraulic Engineer, SSC ✓

(2) Materials. All materials and equipment shall be furnished by the contractor.

(3) Pumping System.

(a) General The contractor shall furnish and install a complete pumping system including a deep well submersible electric pump, and a turbine type pump each equipped with electric motor. Required flow at reservoir is 5 gallons per minute pumped against a total head of 1,050 feet.

(b) Pumps:

1. General: The submersible deep well pump shall be approved equal to Model No. DD42-2S2, manufactured by the Pacific Pumping Co., 5000 District Avenue, Los Angeles, California.

The turbine type pump shall be approved equal to Model No. R4S manufactured by the Pacific Pumping Co., (address as above).

2. Operating Conditions:

a. Size of well (inside diameter) is 10 inches.

b. Total depth of well is 900 feet.

c. Standing water level is at 780 feet below ground surface.

d. Expected drawdown at the required pumping rate of 5 gallons per minute is less than 20 feet.

e. Water will be raised to the surface by the submersible, deep well pump, and then be boosted to the 55,000 gallon reservoir by the turbine pump. The reservoir is located approximately 200 feet higher in elevation than the turbine pump in the pump house.

3. Special requirements:

A 2-inch check valve shall be inserted into column pipe midway between top and bottom of well in accordance with the submersible pump manufacturer's recommendation.

4. Column Pipe:

Column pipe shall be extra strong, galvanized steel conforming to requirements of the pump manufacturer, and to the applicable provisions of attached specification:

20 of spec. describing
pumping system shown on "as built" Dwg WUP/3103A
(shows tie to sec. subcor.) ↗

REGION THREE OFFICE

WELL PUMP DATA CHART

Date December 19, 1960 Sheet 1 of 1
 PARK OR MONUMENT Muskeget National Monument

REPLACEMENT PUMP

NAME OF SUPPLY, and LOCATION by 40 ACRE DIVISION of Sec., Twp. & Rge.	P U M P U N I T										P U M P P O W E R	
	MAKE	SERIAL NUMBER	TYPE - PISTON TURBINE, ETC.	CAPACITY - GPM		HEAD - FEET		DIA.-INCHES		KIND ELEC-GAS	HP	Operating RPM
				DESIGN	ACTUAL	DESIGN	ACTUAL	INTAKE	OUTLET			
Intermount Sec. 30, T. 25 N., R. 10 E., GASFIELD	Flowmont	WJ-392	Submersible	--	3.5	---	805'	1 1/2"	1 1/2"	Elec.	2	3,450

C O P Y

Flagstaff National Monument
Flagstaff, Arizona

June 22, 1952

Memorandum

To: General Superintendent
From: Superintendent, Wupatki
Subject: New water well, CO Bar Cattle Company

Following is the information on the new well near the Citadel that you requested;

The location of the well is in the SW $\frac{1}{4}$ of S 33, T 26N R 9E. It was drilled on top of a Malapai mesa in order to get gravity flow to other stock tanks. The total depth is 1410 feet. Water was first hit at 1320 feet. The well tests 15 gallons per minute but Mr. John Babbitt thinks it would go more but they could only test for that much.

The first 85 feet was malapai, then 85 to about 450 limestone, balance sandstone, he does not have any log of the drilling but said the driller may have.

It was drilled by Cowley Brothers, St. Johns, Arizona. It was not filed with the State Land Commissioner.

The above facts were given me by Mr. John Babbitt.

Frederick R. Brueck
Superintendent

Docket Information

Number of Documents in Docket 73

Documents Dated from 6/22/1952 to 5/15/2000

Docket Compiled: 4/11/2012