United States Department of the Interior

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

IN REPLY REFER TO:

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)

United States Department of the Interior

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

IN REPLY REFER TO:

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,

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
FOR
OTHER USES[1]
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 Collins
State: 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. ☐ Commerical 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)
_____ ¼, _____ ¼, _____ ¼, 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) ☐ cubic-feet per second
A. Maximum Flow Rate: _____ ☐ 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 resevoir(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 USES[1]
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. ☐ Commerical 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)
_____ ¼, _____ ¼, _____ ¼, 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) ☐ cubic-feet per second
    A. Maximum Flow Rate: _____ ☐ 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 resevoir(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-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
FOR
OTHER USES[1]
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. ☐ Commerical 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
    ☐ Arizona miner's inches
    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 resevoir(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
FOR
OTHER USES[1]
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. ☐ Commerical 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)
County Coconino Sunset Crater National Monument

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 ☐ gallons per minute ☐ Arizona miner's inches
   A. Maximum Flow Rate: _____
   B. Annual Volume of Water Use: 32 acre-feet per annum
   C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage resevoir(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.~~
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 USES[1]
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. (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. ☒ Municipal
B. ☐ Commerical or Industrial
C. ☐ Mining
D. ☒ Stockwatering other than from a stockpond
E. ☒ Recreation, Fish & Wildlife
F. ☒ 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 River
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. 39-91445)
NW ¼, SE ¼, NW ¼, Section 32, Township 25 N/S, Range 10 E/W

7. 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. [x] 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: _____ [ ] cubic-feet per second [ ] gallons per minute [ ] Arizona miner's inches

B. Annual Volume of Water Use: 2.5 acre-feet

C. Storage Right: _____ acre-feet

12. Attach photographs, maps or sketches necessary to show the point of diversion, storage resevoir(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. 39-91445): 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 ____ (if applicable), NW ¼ SE ¼ NW ¼, Section 32, Township 25 N/S, Range 10 E/W
6. Location of place(s) of water use: County Coconino
   Lot ____ (if applicable), ____ ¼ ____ ¼ ____ ¼, Section 30, Township 25 N/S, Range 10 E/W
   Lot ____ (if applicable), ____ ¼ ____ ¼ ____ ¼, Section 32, Township 25 N/S Range 10 E/W
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 (¼,¼) 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 (¼,¼) 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.**

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 a 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 ~~1886~~ 1892.

3. I further believe that since ~~1886~~ 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 9th day of April, 1998, by James Babbitt.

Marie A. Johnson
NOTARY PUBLIC 6-9-99

STATEMENT OF CLAIMANT FORM
FOR
OTHER USES[1]
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. ☐ Commerical 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 1/4, SW 1/4, SW 1/4, Section 32, Township 25 N/S, Range 10 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: _____

[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 _____ N/S Range _____ E/W
   _____ _____ _____ N/S _____ E/W

11. Claimed Right: (see file No. 39-91446) ☐ cubic-feet per second
   A. Maximum Flow Rate: _____ ☐ 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 resevoir(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)

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, 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 _____ (if applicable), NE ¼ SW ¼ SW ¼, Section 32, Township 25 N/S, Range 10 E/W

6. Location of place(s) of water use: County Coconino

   Lot _____ (if applicable), _____¼ _____¼ _____¼, Section 32, Township 25 N/S, Range 10 E/W

   Lot _____ (if applicable), _____¼ _____¼ _____¼, Section _____, Township _____N/S, Range _____E/W

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

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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 a 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 ~~1885~~ 1892.

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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 9th day of April, 1998, by James Babbitt.

Marie D. Johnson
NOTARY PUBLIC 6-9-98

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 NW¼ SE¼ 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.

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 S½ SE¼; E½ of Lot 3; and the E½ SE¼ SW¼ of said Section 27 and containing 200.00 acres of land, more or less.

All of the E½ E½ SE¼; E½ W½ E½ SE¼; E½ of Lot 1; and E½ SE¼ NE¼ of said Section 33 and containing 50.00 acres of land, more or less.

All of the N½; N½ SW¼; and N½ S½ SW¼ 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.

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 505 9886217 P.02/03

"(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 by 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. 4093
NOV. 12, 1996

NOV-27-1999 13:43 SANTA FE FIELD SOLICITOR 505 9886217 P.03/03

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

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

SEC. 209. 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

TOTAL P.03

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.

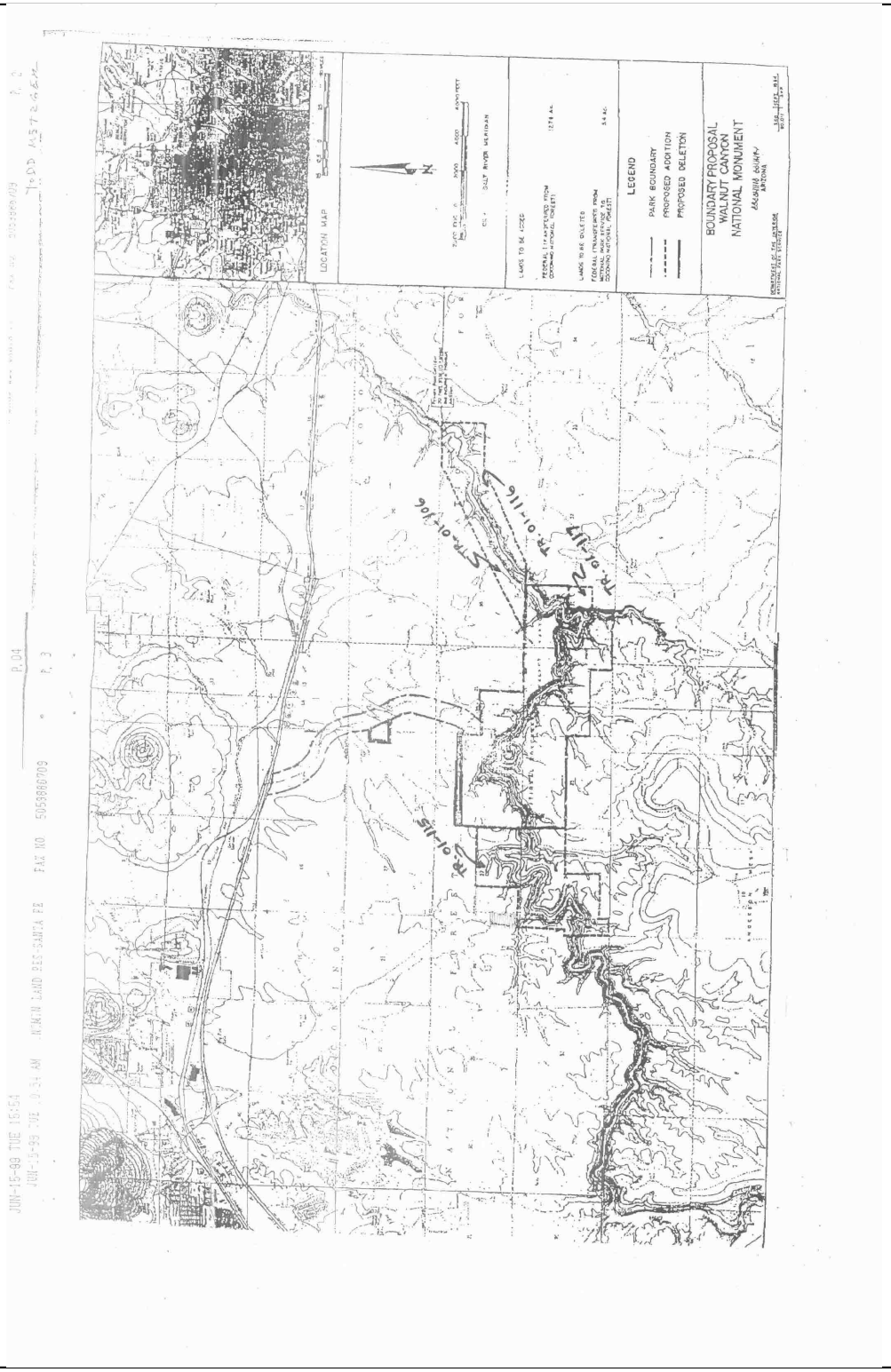
Affected Public: Businesses or other for-profit organization, individuals.

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,


BOUNDARY PROPOSAL
WALNUT CANYON
NATIONAL MONUMENT
LEGEND
PARK BOUNDARY
PROPOSED ADDITION
PROPOSED DELETION
LOCATION MAP
LANDS TO BE ADDED
LANDS TO BE DELETED
SALT RIVER MERIDIAN
T. 21 N.
T. 20 N.
R. 7 E.
R. 8 E.
R. 9 E.
R. 10 E.
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06-11-1982: registration of existing wells: reg no. 55-649816; file no. a(25-10)30bca

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

RECEIVED JUN 14 1982 DEPT. WATER RESOURCES

REGISTRATION OF EXISTING WELLS

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

03

FOR OFFICE USE ONLY
REGISTRATION NO. 55- 649816
FILE NO. A(25-10)30bca
FILED 6/14/82 (DATE) AT 9:08 (TIME)
INA
AMA

REGISTRATION FEE (CHECK ONE)
EXEMPT WELL (NO CHARGE) ☒
NON-EXEMPT WELL — $10.00 ☐

1. Name of Registrant:
United States of America - National Park Service
P.O. Box 728 (Address) Santa Fe (City) New Mexico (State) 87501 (Zip)

2. File and/or Control Number under previous groundwater law:
A 25-10 (30-1) 717 (File Number) 35- (Control Number)

3. a. The well is located within the NE ¼ SW ¼ NW ¼, Section 30, of Township 25 N/~~S~~, Range 10 E/~~W~~, G & SRB & M, in the County of Coconino.
b. If in a subdivision: Name of subdivision Wupatki National Monument (Headquarters Well), Lot No. _____, Address Tuba Star Route, Flagstaff, Arizona 86001.

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
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 904 feet
b. Diameter of casing 10 inches
c. Depth of casing 904 feet
d. Type of casing Steel, welded, standard gage.
e. Maximum pump capacity 16 gallons per minute. at well head
f. Depth to water 781 feet below land surface.
g. Date well completed November (Month) 22 (Day) 1961 (Year).

8. The place(s) of use of water. If same as Item 3, check this box ☒.
____¼ ____¼ ____¼, Section ____ Township ____ Range ____
____¼ ____¼ ____¼, Section ____ Township ____ Range ____
Attach additional sheet if necessary.

9. DATE 6/11/82 SIGNATURE OF REGISTRANT Robert S. Arnberger
Regional Director, Southwest Region

06-11-1982: registration of existing wells: reg no. 55-649816; file no. a(25-10)30bca

CHANGE OF WELL INFORMATION

Registration No. 55-649816

I request the following information be changed in Well File Number A(25-10)30bca

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 _____, _____¼ _____¼ _____¼

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.

United States Department of the Interior

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

IN REPLY REFER TO:

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

Lisa M. Jannusch
Administrative Assistant III
(602) 417-2442 / Toll-Free in Arizona 1-800-352-8488

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:
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 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)

8

STATEMENT OF CLAIMANT FORM
FOR
OTHER USES[1]
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. ☐ Commerical 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)
_____ ¼, _____ ¼, _____ ¼, 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 USES[1]
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

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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. ☐ Commerical 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)
_____ ¼, _____ ¼, _____ ¼, 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 ...

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 resevoir(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-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 K. 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
My Commission Expires 7/30/2000

_____
Notary Public

or

Supporting Hydro Data

RECEIVED
NATIONAL PARK SERVICE
WASHINGTON OFFICE
AUG 16 8 12 AM '79

L54(SWR)OM

AUG 13 1979

Amy:
Please file in
WR PATKI Water
Rights Area file.

Memorandum

To: General Superintendent, Navajo Lands Group

From: Associate Regional Director, Park Operations, SWR

Subject: Water Resources Investigations

The status of all water resources and water rights activities in each of the parks within the Group is as follows:

El Morro

The monument's "Declaration of Owner of Underground Water Right" was accepted for filing by the State of New Mexico on January 18, 1977 and has been assigned Declaration No. Miscl. 32-5.

The above declaration claims a total of 13-acre feet of water per annum for municipal purposes with a priority date of 1906. The usual disclaimer clauses are included.

Additional work to be done, and is reflected in this Region's long-range program, includes:

1) Water Resources Management Plan
2) Quantification of Reserved Water Rights
3) Water Resources/Water Rights Study

Aztec Ruins

Project for drilling of observation wells authorized by Account #7075-70001-585 has been completed on July 15, 1979. Four observation wells were drilled to depths varying from 10 to 35 feet. The purpose of the wells is to measure and record fluctuations in ground water levels found within the monument. The objective of the study is to develop alternating ways in preventing fluctuating ground waters from endangering excavated and unexcavated archaeological ruins of the monument. Preliminary results indicate that the monument is underlain by two

shallow ground water zones which are separated by an impermeable clay zone. The deeper water zone (23 to 30 feet), eastern end of monument, is found in gravel deposits of an ancient stream. It is our opinion, based on limited data, that waters from these deposits do not surface into the ruins within the monument. The upper or shallower water zone (within the upper 10 feet of surface) occurs intermittently and is recharged by local precipitation and from percolated irrigation water from the field located to the north and uphill from the monument. In addition surface runoff from a neighboring pond inundates the northeastern portion of the monument. Waters from this source are responsible for a swampy and densely vegetated area in the vicinity of the ruins referred to as: Mounds A, B, C, D, and Earl Morris Ruins. This Office is planning to install water level recording gages on each observation well recently drilled and to run a resistivity survey of the monument. All of the above data including alternatives with cost estimates to prevent surface, shallow and ground waters from endangering the archaeological ruins, will be completed by December 1979.

The monument enjoys an adjudicated water rights to 4.8 acre feet of water on 1.6 acres of land for irrigation purposes. The monument obtains its water from the Farmer's Ditch Company which enjoys a priority date of 1892 or earlier.

Chaco Canyon

Water Resources-Water Rights

1) U. S. Geological Survey Draft Report titled "Report of effects and recommended monitoring of energy-related development on water resources in the San Juan Basin at Chaco Canyon National Monument," was completed and draft comments submitted. The final report is scheduled for completion by December 1979.

2) Observation well named Aggravation No. 1, located to the south of the monument was perforated on August 4. Pressure monitoring recorders have been delivered to the monument.

The observation well was perforated from 3957 to 3987 feet below ground level. The purpose of the monitoring program is to determine the effects of nearby energy related activities on the West water Canyon member of the Morrison Formation. The results, in raw and uninterpreted form, will be made available to all upon written request to the Regional Office.

3) Trituim analysis for selected wells including "Fields Well" at the monument has been completed by the University of California at San Diego. Additional trituim and Carbon 14 analysis is being discussed with the same University. We anticipate that this study will be initiated in August with a report submitted by December 1979.

4) Geohydrological report has been contracted with Dr. Zane Spiegel of Santa Fe. This report is overdue and we are following up on it.

5) Temperature-Depth profile data was collected by Dr. Marshall Reiter of New Mexico Bureau of Mines and Mineral Resources on May 17, 1979. Results of the survey with interpretation is expected this fall.

6) To date, the National Park Service has protested four industrial applications for water rights within the San Juan Basin. This course of action is expected to continue.

7) Surface water monitoring, chemical and sediment analysis program is being discussed with the U. S. Geological Survey and is in progress of being implemented.

At Chaco Canyon two declarations of Owner of Underground Water Rights have been accepted for filing by the State of New Mexico on May 18, 1977 and have been assigned Declaration Nos. SJ-324 and SJ-325. The above declarations are for 100 and 20 acre feet of water per annum respectively for municipal purposes with a priority date of March 11, 1907. The usual disclaimer clauses are included.

Additional work to be done includes:

1) Water Resources Management Plan
2) Quantification of Reserved Water Rights
3) Water Rights Study for Court and/or Administrative Hearings

Hubbell Trading Post

The State of Arizona has passed an Act requiring registration of water rights with the appropriate State Office. Legal inquiry suggests that the U. S. rights to the Ganado Irrigation System at this Trading Post fits into the State's definition of requiring them to be registered.

Recent telephone conversations with the Field Solicitor in Phoenix recommend that the NPS not file with the State as it is untimely and will in all probability not serve any useful purpose, as any conflicts over water will be with the Navajo Nation where the Secretary of Interior will make a decision and not the State.

Additional work to be done includes:

1) Water Resources Management Plan
2) Quantification of Reserved Water Rights
3) Water Resources/Water Rights Study

Sunset Crater and Wupatki

A replacement well is being drilled at Sunset Crater. Hydrologist Paul Christensen, a graduate cooperative student from NAU is inspecting the project. The well is being drilled by Perry Brothers Well Drilling Company. The project is experiencing great difficulty thus far. We expect this project to be completed before the end of August.

In addition to the above, Mr. Christensen has elected to make a detailed geology map of both areas as partial fulfillment of his thesis for a Master's Degree.

The following work is also being planned:

1) Water Resources Management Plan
2) Quantification of Reserved Water Rights
3) Water Resources/Water Rights Study

A survey is being made of the Cameron Uranium field north of Wupatki to determine the possible geohydrological effects on Wupatki if uranium mining is reactivated.

Navajo National Monument

Enclosed is a report prepared by the U. S. Geological Survey titled "Ground Water in the Navajo Sandstone in the Black Mesa Area, Arizona." In addition discussions have been held with representatives of Peabody Coal Mining Operations and with U. S. Geological Survey. Admittedly, the Company and U. S. G. S. are quiet on the entire subject on how the mining activity will affect the monument's water supply. This Office, however, has made a study based on published or soon to be published data and is in process of interpreting the information. This report will be completed by the end of August. U. S. G. S. puts out limited number of copies of observation well data in the mining area. Peabody Coal Mining Company has been extremely cooperative and interested in determining if their operation will affect existing water table conditions in the Region.

Additional work programmed is:

1) Water Resources Management Plan
2) Quantification of Reserved Water Rights
3) Water Resources/Water Rights Study

Canyon de Chelly

All water rights for this monument must be claimed as Indian Water Rights, as such, it is mandatory that the U. S. apply the Indian formula to any claims for water. This Office with your assistance will contact the Navajo Nation to file the monument's claim for Indian water under the reservation doctrine.

In addition the following is planned:

1) Water Resources Management Plan
2) Water Resources/Water Rights Study
3) Quantification of Reserved (Indian) Water Rights

This information is supplied for your information. Should you have any questions, please contact Garland Moore of this office.

(Sgd.) Leslie P. Arnberger

Enclosure

cc:
Chief, Division of Air & Water, WASO (Atten: Vic Berte')
Superintendent, Aztec Ruins, Canyon de Chelly, El Morro, Hubbell Trading Post, Navajo, Wupatki/Sunset Crater

Well Logs - Wells vicinity of Wupatki

Telephone Company Well (vicinity of Doney Park)

350' lava + cinders
300' Kaibab
900' Coconino
215' + Supai (bottomed in Supai)
1765'

Sunset Crater Well

699' - outwash (cinders, boulders, etc)
326' - Kaibab
760' - Coconino
460' - Supai (bottomed in Supai)
2245

Babbitt Well (A-26-9) 33dd) (Antelope Mesa

85' - lava
365' - Kaibab
960' - Coconino (bottomed in Coconino)
1410

1465
1350
1270

1465
1275
190

Babbitt Well (A-26-10) 31CA

1009' - bottomed in Coconino

Wupatki Ruin Well

10' - cinders
95' - Moenkopi
220' - Kaibab
579' - Coconino (bottomed in Coconino)
904'

Citadel Well

49' - cinders, etc
(305') 256' - Kaibab.
1017' - Coconino (as of 3/24/66)
1322'
28' - Coconino or Supai (as of 3/25/66)
1350'
185'
1465'
125'
1590 - Supai as of 4/7/66 at 8 a.m.

Probably hit Supai at 1275'

1603
305
1298

RECEIVED
NATIONAL PARK SERVICE
DEC 28 8 05 AM '73

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

L54

DEC 19 1973

Sheila: Please file enclosures in Wupatki WR Docket 3/ Memo in corres file. V

Memorandum

To: Superintendent, Wupatki/Sunset Crater NM

From: Hydraulic Engineer, Water Resources, SWRO

Subject: Well Schedule and Test Pumping Data, Headquarters Well

Enclosed is subject for inclusion in Water Right Docket #3, Wupatki. Preliminary estimates place the maximum yield of the well at about 70 gpm. Additional analysis will be made as time allows.

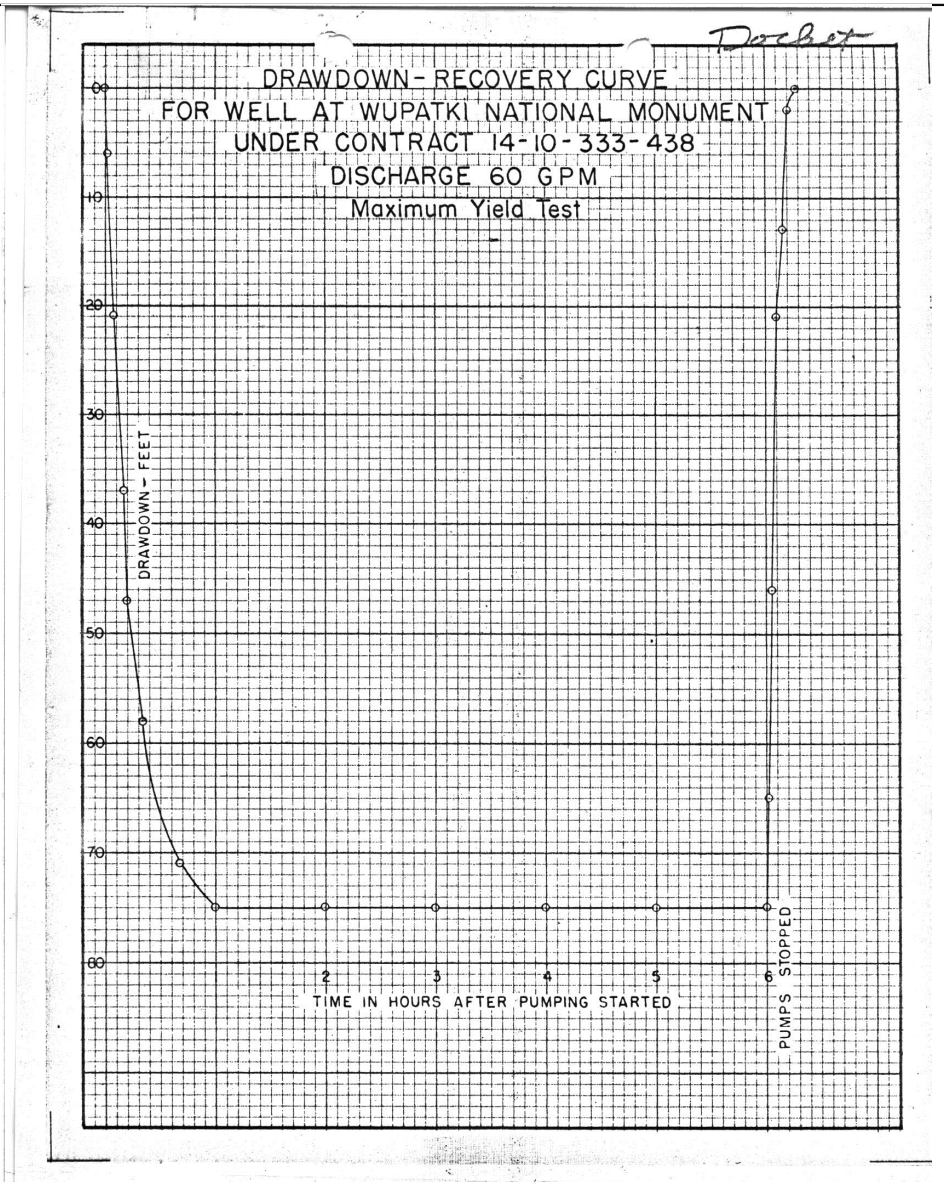
WATER

(SIGNED)

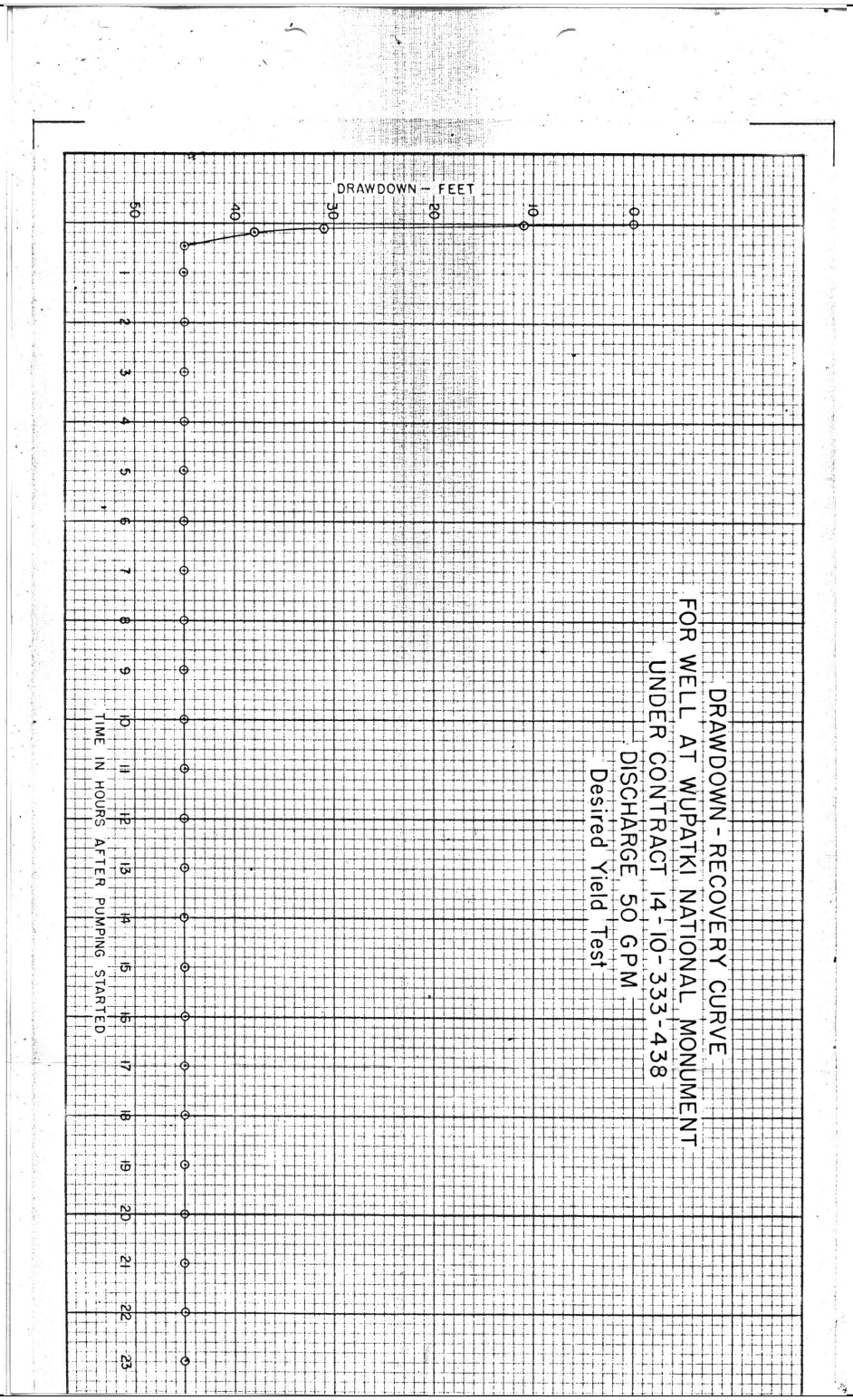
Garland Moore

GM:ba
Enclosures

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


Dorchester
DRAWDOWN - RECOVERY CURVE
FOR WELL AT WUPATKI NATIONAL MONUMENT
UNDER CONTRACT 14-10-333-438
DISCHARGE 60 GPM
Maximum Yield Test
DRAWDOWN - FEET
0
10
20
30
40
50
60
70
80
2
3
4
5
6
TIME IN HOURS AFTER PUMPING STARTED
PUMPS STOPPED

12-19-1973: memorandum to superintendent, wupatki/sunset crater nm from hydraulic engineer, water resources, swro regarding



10-10-1966: well schedule for wupatki headquarters well

WRD Exp. (GW)
April 1966

Well No. (L 25-10)30 bca

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (10-29-58) J. Akers — 1:250,000

LL WS
v EHM

Record by E. McClintock — Source of data Obs., driller — Date 10-10-66 — Map Flagstaff Mns

State Arizona 02 — County (or town) Coconino 013

Latitude: 35 31 10 N — Longitude: 111 22 10 W — Sequential number: 1

Lat-long accuracy: 3 — T. 25 N, R 10 E, Sec 30, NE ¼, SW ¼, NW ¼ G+SR

Local well number: — Other number: B & N Wupatki HQ well

Local use: — Owner or name: Nat. Park Service

Owner or name: — Address: Wupatki, Ariz

Ownership: (C) County, (F) Fed Govt, (M) City, Corp or Co, (N) Private, (P) State Agency, (S) Water Dist

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Institt, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed

DATA AVAILABLE: Well data — Freq. W/L meas.: Inventory — Field aquifer char.

Hyd. lab. data:

Qual. water data; type: Complete and partial

Freq. sampling: Intermittent-(10-58) — Pumpage inventory: yes (no) period:

Aperture cards: yes

Log data: Driller's log

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 904 ft — Meas. rept Nat. Park Serv — accuracy

Depth cased (bore pour.): 904 ft — Casing type: steel; Diam. 10 in.

Finish: (C) perous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, sd. pt., (T) shored, (W) open hole, (X) other, (Z) other

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, driven, (V) drive wash, (Z) other

Date Drilled: Oct 1959 — Pump intake setting: ft

Driller: Lloyd Perry (name), Flagstaff (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submers, (T) turb, (Z) other — Station

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

Descrip MP Temporary casing 0 ft above below LSD, Alt. MP 4955

Alt. LSD: 4955 — Accuracy: (source) altimeter

Water level 780.7 ft above below MP; Ft above below LSD — Accuracy:

Date meas: Oct 27 1959 — Yield: 50 gpm — Method determined

Drawdown: 45 ft — Accuracy: — Pumping period 24 hrs

QUALITY OF WATER DATA: Iron 0.00 ppm — Sulfate 218 ppm — Chloride 405 ppm — Hard. 46 ppm

Sp. Conduct 2,000 K x 10^6 — Temp. 66 °F — Date sampled 11-22-61

Taste, color, etc: Slightly salty, clear

Well No. (L-25-10)30 bca

10-10-1966: well schedule for wupatki headquarters well

Well No. (A-25-10, 30 bca

Latitude-longitude 35 , 31 , 10 (N) 111 , 22 , 10 (W)
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD | Physiographic Province: Colorado Plateaus | Section: Grand Canyon

Drainage basin: | Subbasin:

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat

MAJOR AQUIFER: Permian system, series, Coconino aquifer, formation, group

Lithology: fine-gr., x-bedded ss | Origin: eolian | Aquifer Thickness: ft

Length of well open to: 104 ft | Depth to top of: 781 ft

MINOR AQUIFER: system, series, aquifer, formation, group

Lithology: | Origin: | Aquifer Thickness: ft

Length of well open to: ft | Depth to top of: ft

Intervals Screened: 800 - 904

Depth to consolidated rock: 8 ft | Source of data: Driller's log

Depth to basement: ft | Source of data:

Surficial material: Cinders + broken siltstone | Infiltration characteristics: fair

Coefficient Trans: gpd/ft | Coefficient Storage:

Coefficient Perm: gpd/ft^2 | Spec cap: 1.1 gpm/ft; Number of geologic cards:

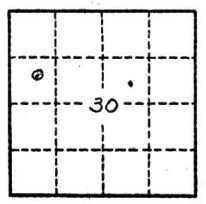
Contacts by J. P. Akers

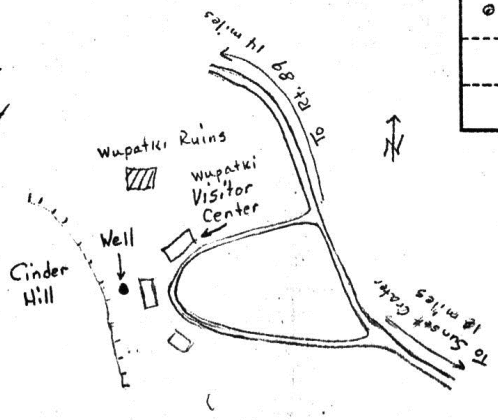
Qal 0-8

Tm 8-105

Pk 105-325

Pco 325-904



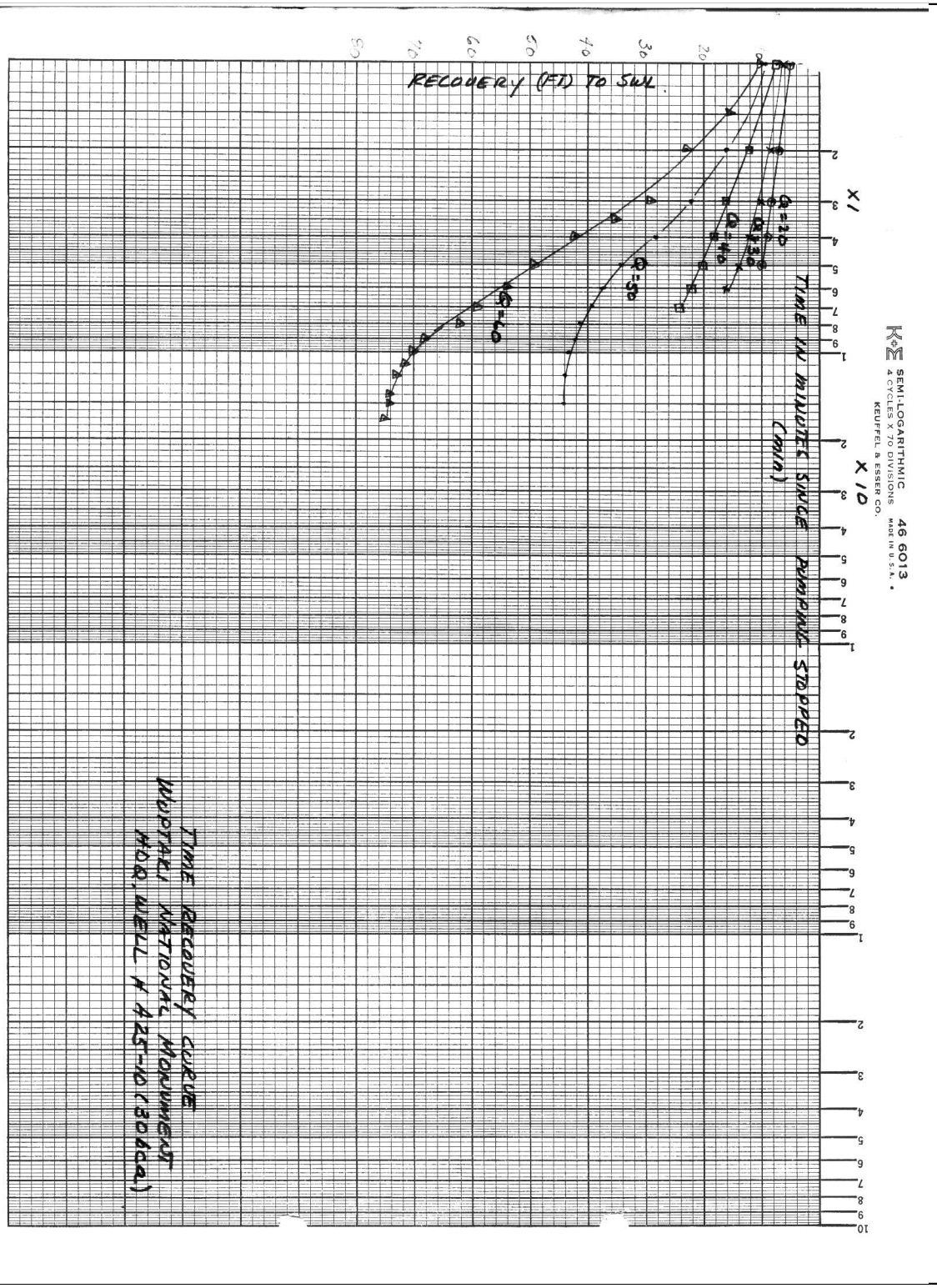


Well No. (A-25-10) 30 bca

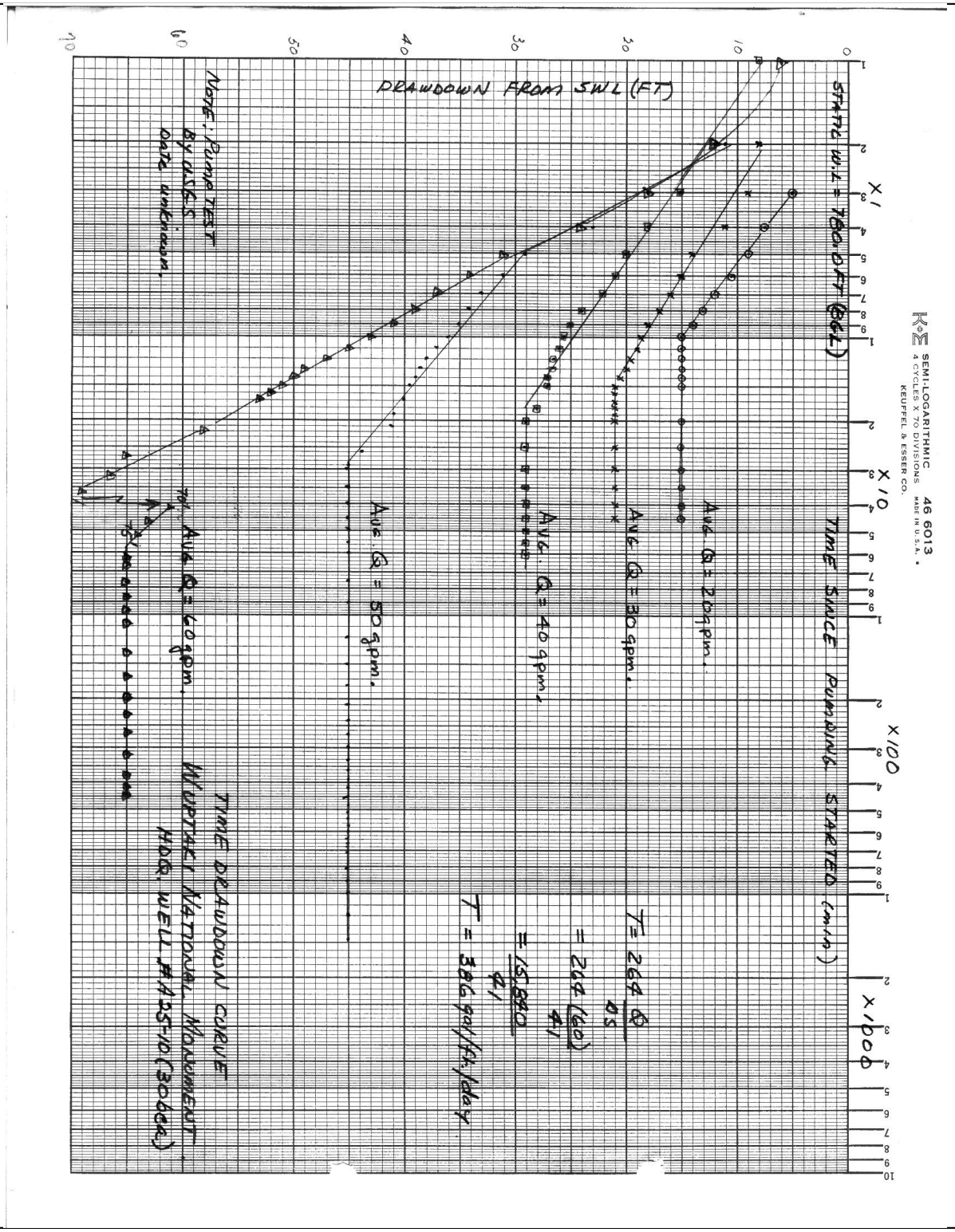
Pump test data in Tucson

GPO 857-700

10-10-1966: well schedule for wupatki headquarters well- time recovery curve



10-10-1966: well schedule for wupatki headquarters well



Geological Survey — Experimental — qw-gw (1966)

UNITED STATES DEPARTMENT OF THE INTERIOR — Ground Water Analysis

Water Resources Division

State Ariz. 02 (1 2) County Coconino (3 4) Latitude (5 10 11) Longitude (12 18) Seq. No. (19) Date coll. 04 27 67 (20)

Wupatki Ruin

Local well No.[a] 25.10.30.300 Owner[b] NPS, Wupatki N.Mon. Collected by Clark D. Crane Foreman Lab. Anal. A-1 Project No. 20-NPS-C

Wupatki Nat'l. Mon. No Fe soln

WBF Coconino ss Appearance Wc Clear Wa _____ Lab. No. C61542 Sampling depth (26 29) Type[c] Pumped

	ppm	epm
Kx10⁶ 23.9 T 346 R KCl 169 (2050)	2050 (31 35)	
pH (7.7) 7.7 (36 38) Temperature °F 66°	66 (39 41)	
SiO_2 f 50.8 1.0 ml (11) Abs .213	11 (42 44)	
Ca 1.47 + 0.00 = 1.47 10 ml (74)	74 (45 49)	3.69
Mg ml (67)	67 (50 53)	5.51
Subtotal cations (Ca, Mg)		9.20
Na 0-100 50-250 ml 250 58.7 / 49.5 x 5 (248)	248 (54 58)	10.79
K 0-10 ml 48.2 (4.8)	4.8 (59 61)	0.12
Subtotal cations (Ca, Mg, Na, K)		20.11
HCO_3 12,30 + 0,00 = 12,30 50 ml (246) 121	246 (62 65)	4.03
CO_3 50 ml 0	0 (66 67)	0.00

	ppm	epm
SO_4 340 25-100-10 ml f 80 ml 2,82 + 0,00 = 2,821 − 0,07 = 2,757 (220)	220 (68 72)	4.58
Cl 25 ml 0.5 22.78 mg (405)	405 (73 78)	
Mg · $AgNO_3$ 2.00 OVER		11.43
Source of data d 79 Card Q 80 Q		
F 10 ml Abs 1.422 − .0026 (0.3)	0.3 (26 28)	0.02
NO_3 11,3 / 3.8 10 ml Abs .084 (0.9)	0.9 (29 32)	0.01
PO_4 f Abs Abs %	(33 35)	
HPO_4 % H_2PO_4		
Total anions		20.07
B 1.32 f 1.0 ml Abs .118 (0.16)	0.16 (36 38)	
Al ml Abs (Al + Fe)	(39 41)	
Remarks and explanation on other side		

	ppm	epm
Fe f 1.92 ml (0.02) Total 25 ml Abs .01	0.02 (42 45)	
Dissol. ml Abs		
Mn f ml Total ml Abs	(46 49)	
Dissol. ml Abs		
Cu ml	(50 52)	
Pb ml	(53 54)	
Zn ml	(55 57)	
Subtotal cations (Al, Fe, Mn, Cu, Pb, Zn)		
Subtotal cations (Ca, Mg, Na, K)		
Total cations		
Dissolved solids (1190) Residue at 180° 50 ml	1190 (58)	
Dish No. X-132 0.4103 Calculated 60.3510 − 0.0593 (1150)	1150 (64)	
Hardness Ca, Mg 10 ml 10,60 + 6.00 = 4.60 (460)	460 (70)	
Noncarbonate (258)	258 (74)	
Color (3) 78-79 3 Card R		

Provisional records, subject to revision

04-27-1967: ground water analysis for wupatki nm headquarters well

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

Ca Renn 20 ml 1.0
8.15
0.00
8.15
-0.05
405
8.10

Br ____ ml	.	26 28
I ____ ml	.	29 31
Alk. as $CaCO_3$		32 35
Free CO_2	.	36 38
SAR	(5.0) 5.0	39 41
RSC		42 44
Organics		
MBAS (ABS) ____ ml	.	45 47
	.	48 50
		51 54

Radiochemical

Alpha (pc/l)	55
Beta (pc/l)	58
Ra (pc/l)	61
U (ug/l)	64

Other data (67-79)[e]

a Master card A (21-34)
b Master card A (52-66)
c Type:
1. Pumped 4. Spigot
2. Bucket 5. Bailer
3. Forest 6. Special
d Source of data:
1. USGS 5. Industrial
2. UPHS 6. Private
3. State Health 7. cational
4. State

Richard L. Lepp E. E. WILLIAMS
Chemist _____ Checked by _____
Date began MAY 2 4 1967 Date transmitted _____
Punched by _____ Verified _____

Provisional records, subject to revisio

e Indicate constituent and card colur

Card S

04-27-1967: ground water analysis for wupatki nm headquarters well

04-27-1967: ground water analysis for wupatki nm headquarters well

Form 9-1367 (9-1960)
U. S. DEPT. OF INTERIOR
GEOLOGICAL SURVEY

ANALYTICAL STATEMENT. GW

25N.10E.30.b

NPS

COUNTY Coconino (Ariz)

LAB NO. 54204

Location Wupatki Natl. Mon.
Flagstaff, Ariz.
NW¼ sec.30 T25N R10E
Source (type of well) Drilled
Owner NPS, Wupatki Natl. Mon.

Date drld 10/23/58 Cased to ft
Depth 904' Diam
WBR Coconino sandstone
Static 780 ft
Sampled after pumping hrs
Yield GPM (meas or est)
Pt of coll Wupatki Visitor Center
Appearance Clear
Temp (°F) Use Dom., Ps
Collector Dave Todd
Chemist JON
Date completed May 19, 1964
Checked by LJA
Date transmitted

Date of collection Apr. 20, 1964
Ignition Loss Color 0
Dissolved Solids:
Residue at 180°C 1,210
Calculated (Sum) 1,160
Tons per Acre Foot 1.58
Hardness as $CaCO_3$ 458
Non-carbonate Hardness 260
% Na 54 SAR 5.1 pH 7.9
Specific Conductance
(micromhos at 25°C) 2,020

	epm	ppm
SiO_2		10
Fe (total)		0.09
Ca	3.74	75
Mg	5.42	66
Na	10.92	251
K	0.13	5.0
Na+K	20.21	
HCO_3	3.97	242
CO_3	0.00	0
SO_4	4.62	222
Cl	11.51	408
F	0.02	0.3
NO_3	0.01	0.8
	20.13	B 0.08

Provisional records, subject to revision.

For 9-174 (R -56)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION	AREA	COUNTY	STATE
3	Wupatki National Monument	Coconino	Arizona

PROJECT OR JOB TITLE: Water Supply & Distribution System, Drill and Case Well 50,000 gal. storage tank, Pump & Distribution Lines — SCP NO.

LOCATION IN AREA: Wupatki Headquarters — MASTER PLAN NO. NM-WUP-6[illegible]-2051-4 — BUILDING NO. W-9-3

WORKING DRAWING NO. AND TITLE: NM-WUP-2107-A and NM-WUP-3103

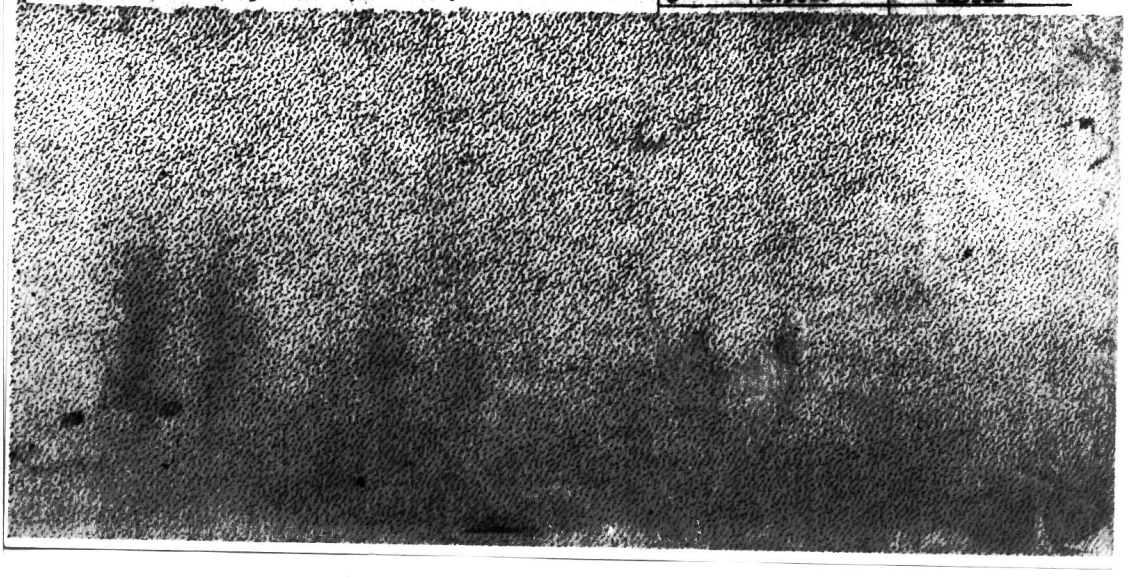
APPROPRIATION TITLE AND SYMBOL: 14X1035 — WORK ORDER NO.

CONTRACT NO.: 14-10-333-478 & 14-10-333-479 — DATE WORK STARTED: 10/3/58 — DATE WORK COMPLETED: 6/22/59

NAME OF CONTRACTOR: Perry Bros. Drilling Company and Arizona Mining Supply Corp. — ADDRESS: Flagstaff, Arizona; Prescott, Arizona

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Water Well:			
1. Bore for 10" Casing	904'	6.00	$5,424.00
2. 10" Casing Installed	800'	4.25	3,400.00
3. 10" Casing Installed	106'	5.95	630.70
4. Bailing Tests	1 hr.	12.00	12.00
5. Pumping Tests	41 hrs.	20.00	820.00
6. Reaming and Grouting		LUMP SUM	75.00
Water & Sewer System			
1. Reservoir, Steel, 55,000 Gal. & appur.	1	LUMP SUM	9,735.00
2. Pumping System and appurtenances	1	LUMP SUM	2,995.00
3. 6" Asbestos Cement Pipe (In Place)	1,413'	5.90	8,336.70
4. 3/4" Service Connections	3	27.50	82.50
5. 3/4" Type K Copper Tubing in place	80'	4.60	368.00
6. 6" G.I. Gate Valve (In Place)	2	70.00	140.00
7. 3/4" Pressure Reducing Valves (In Place)	3	20.00	60.00
8. 4" Fire Hydrants (In Place)	3	275.00	825.00



UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION	AREA	COUNTY	STATE

PROJECT OR JOB TITLE	PCP NO.

LOCATION IN AREA	MASTER PLAN NO.	BUILDING NO.

WORKING DRAWING NO. AND TITLE

APPROPRIATION TITLE AND SYMBOL	ACCOUNT NO.

CONTRACT NO.	DATE WORK STARTED	DATE WORK COMPLETED

NAME OF CONTRACTOR	ADDRESS

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Water & Sewer System (Cont.)			
9. Hose Houses, Installed	3	165.00	495.00
10. Electrical System	1	LUMP SUM	1,539.00
11. 8" V.C. Pipe (In Place)	615'	5.60	3,444.00
12. 6" V.C. Pipe (In Place)	118'	5.05	595.90
13. Manholes, new (In Place)	4	300.00	1,200.00
Manhole, reconstructed	1	175.00	175.00
14. 8" C.I. Pipe (In Place)	66'	6.75	445.50
15. 6" C.I. Pipe (In Place)	40'	5.60	224.00
16. Sewage Disposal System	1	LUMP SUM	4,500.00
Day Labor: Extension of Utility Lines & pumping water to test lines and tank.....			605.37
		Construction Costs	$ 46,127.67
		Plus PS & S Costs 15.3%	7,075.98
		Total Project Costs	53,203.65
		TOTAL	46,127.67

FIELD FINANCE OFFICE CLEARANCE:
/SGD/ ROBERT L. GILES
Robert L. Giles, Regional Accountant
June 2, 1960

SUMMARY OF EXPENDITURES

PERSONAL SERVICES	EQUIPMENT	MATERIALS AND SUPPLIES
123.78		218.21

OTHER
45,785.68

ORIGINAL CONTRACT AMOUNT	CHANGE ORDERS		
WELL $13,153	FIRST Water & Sewer System, deduct $1.00	SECOND	THIRD
Water & Sewer $36,996.90	FOURTH	FIFTH	SIXTH
FINAL CONTRACT AMOUNT WELL $10,361.70			
Water & Sewer $35,160.60			

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

SIGNATURE (Name and title)	DATE
Russell L. Mahan Superintendent	5/18/60
APPROVED BY (Name and title)	DATE

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

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

05-18-1960: completion report of construction project for wupatki headquarters

CONSTRUCTION NARRATIVE

Water and Sewer System - Wupatki National Monument

Contract 14-10-333-438. Perry Brothers Drilling Company, Flagstaff, Arizona. Contract awarded September 17, 1958. Work started October 3, 1958. Struck water at 801' on October 23rd in Coconino Sandstone. Depth extended to 904'. Casing installed, 10 inch, between November 14th and 21st. Static water level 780'. Desired yield pump test at 50 gallons per minute for 24 hours showed maximum draw down of 45'. Reaming and grouting completed on December 16th. Job accepted December 19, 1958.

Contract 14-10-333-479. Arizona Mining Supply Corporation, Prescott, Arizona. Contract awarded February 20, 1959. Work started on March 23rd, 1959 and was completed on June 18, 1959. Work included installation of a 55,000 gallon steel reservoir and pumping system, 1370 lin. ft. of 6" asbestos cement pipe supply and distribution lines, service connections to three buildings and fire protection lines and facilities. The Sewer System included a metal septic tank approximately 5' x 21' and disposal field, 1112' of 6" and 8" vitrified clay pipe distribution lines and 4 manholes to serve present and future facilities. Trouble was experienced with the submersible pump on water pumping system on June 21st and this trouble was not overcome until November 25, 1959. Since that time this system has functioned in a satisfactory manner.

Russell L. Mahan, Superintendent

00-00-0000: water well pumping test report, wupatki national monument

WUPATKI NATIONAL MONUMENT, ARIZONA

Water Well

Pumping Test Report

Depth of Well.....904 feet, from ground level
Static Water Level.....780 feet, from ground level

00-00-0000: water wel pumping test report, wupatki national monument

Wupatki National Monument
Desired Yield Test: 50 GPM
Page 1 of 1.

Start: 2:53 PM — Finish: 3:30 PM

	Minutes	Draw Down
	2	11 ft.
	3	18 "
	4	23 "
	5	29 "
	6	31 "
	7	33 "
	8	34 "
	9	35 "
	10	36 "
	11	37 "
	12	38 "
	13	38½ "
	14	39 "
	15	39½ "
	17	40 "
	19	41 "
	21	41 "
	26	43 "
Start	29	45 "
24 hr.Test	30	45 "
	35	45 "
	40	45 "
	45	45 "
	50	45 "
	55	45 "
	60	45 "
	75	45 "
1 hr.	90	45 "
	120	45 "
2 Hr.	150	45 "
	180	45 "
3 Hr.	210	45 "
	240	45 "
4 Hr.	270	45 "
	300	45 "
5 hr.	330	45 "
	360	45 "
6 hr.	390	45 "
	420	45 "
7hr.	450	45 "
	480	45 "
8 hr.	510	45 "
	540	45 "
9 hr.	570	45 "
	600	45 "
10 hr.	630	45 "
	660	45 "
11 hr.	690	45 "
	720	45 "
12 hr.	750	45"
	780	45 "
13 hr.	810	45 "
	840	45 "
14 hr.	870	45 "
	900	45 "
15 hr	930	45 "
	960	45 "
16 hr.	990	45 "
	1020	45"
17 hr.	1050	45 "
	1080	45 "
18 hr.	1110	45 "
	1140	45 "
19 hr	1170	45 "
—	1200	45 "

	Minutes	Draw Down
20 hr.	1230	45 "
	1260	45 "
21 hr.	1290	45 "
	1320	45 "
22 hr.	1350	45 "
	1380	45 "
23 hr.	1410	45 "
	1440	45 "
24 hr	1470	45 "

RECOVERY

Minutes	Recovery
1	9 ft.
2	16 "
3	22 "
4	28 "
5	34 "
6	37 "
7	39 "
8	41 "
9	42 "
10	43 "
12	44 "
15	45 "

00-00-0000: water wel pumping test report, wupatki national monument

Wupatki Nat'l Monument
Step Test ...40 GPM

Minutes Pumped	Drawdown from Static Water Level 760'
1	8 ft.
2	12 '
3	15'
4	18
5	20
6	21
7	22
8	24
9	25
10	25.5'
11	26
12	26.5
13	26.5
14	27
15	27
18	28
20&	29
25	29
30	29
35	29
40	29
45	29
50	29
55	29
60	29 ft.

Sc = 40/27

Recovery

Minutes	Recovery
1	7 ft.
2	12 ft.
3	16 ft.
4	18 ft.
5	20 ft.
6	22 ft.
7	24 ft.

Ste sts @ 20,30, & 40 GPM

Wupatki Nat'l. Mon.
Step Test..20 GPM

Minutes Pumped	Draw Down from Static Water Level 780'
3	5'
4	7½'
5	9'
6	10½'
7	12'
8	13'
9	14'
10	15'
11	15'
12	15'
13	15
14	15
15	15
20	15
25	15
30	15
35	15
40	15
45	15'

RECOVERY

Minutes	Recovery
1	5 '
2	7 '
3	8 '
4	9 '
5	10 '

SC = 30/15

Step Test..30 GPM

2	8 ft.
3	9
4	11
5	14
6	15
7	16
8	17
9	18
10	18½
11	19
12	19½
13	20
14	20½
15	21
16	21
17	21
18	21
19	21
20	21
25	21
30	21
35	21
40	21
45	21

RECOVERY

Minutes	Recovery
1	6 '
2	8 '
3	10 '
4	12 '
5	14 '
6	16 '

SC = 30/51

LOG
Wupatki National Monument
Water Well

Date 1958	Footage	Formation	Total Footage per day
Oct. 3rd	0 to 5'	Black Cinders, Loose	
	5 to 10'	Red Cinders	
	10 to 40'	Moencopi Shale, Red	40 '
Oct. 4th	40 to 80 '	Moencopi Shale, Red	40 '
Oct. 6th	80 to 105 '	Moencopi Shale, Red	
	105 to 120 '	Kaibab Lime Stone, Brown	40 '
Oct. 7th	120 to 165 '	Kaibab Lime Stone, Brown	45 '
Oct. 8th	165 to 195 '	Kaibab Lime Stone, Brown	30 '
Oct. 8th to) Oct. 11th)		(Straightening Hole)	
Oct. 13th	195 to 235 '	Kaibab Lime Stone, Brown	40 '
Oct 14th	235 to 285 '	Kaibab Lime Stone, Brown	50 '
Oct. 15th	285 to 295 '	Kaibab Lime Stone, Brown	
	295 to 325 '	Kaibab Lime Stone, Yellow	
	325 to350 '	Coconino Sand Stone, Red	65 '
Oct. 16th	350 to 390	Coconino Sandstone, Red	40 '
Oct. 17th	390 to 435 '	Coconino Sandstone, Red	45 '
Oct. 18th	435 to 535 '	Coconino Sandstone, Red	100 '
Oct. 20th	535 to 610 '	Coconino Sandstone, Red	75 '
Oct 21st	610 to 635 '	Coconino Sandstone, Brown	
	635 to 675 '	Coconino Sandstone, Yellow	65 '
Oct. 22nd	675 to 755 '	Coconino Sandstone, Yellow	80'
Oct. 23rd	755 to 801 '	Coconino Sandstone, Yellow	46'
		(Hit water at 801', Water Level 780 ')	
Oct. 24th	801 to 845 '	Coconino Sandstone, Yellow	44'
Oct. 25th	845 to 904 '	Coconino Sandstone, Yellow	59 '
Oct. 27th	Ran Bailer Test: 23 GPM...No noticeable Draw Down... Water Level 780 ',124 ' of water in hole Temperature of Water..66 ° 107 Ft. of perforations, ¼ x 1', 4 over 2', 4 around, staggered ever other foot. 906 ft. of casing installed.		

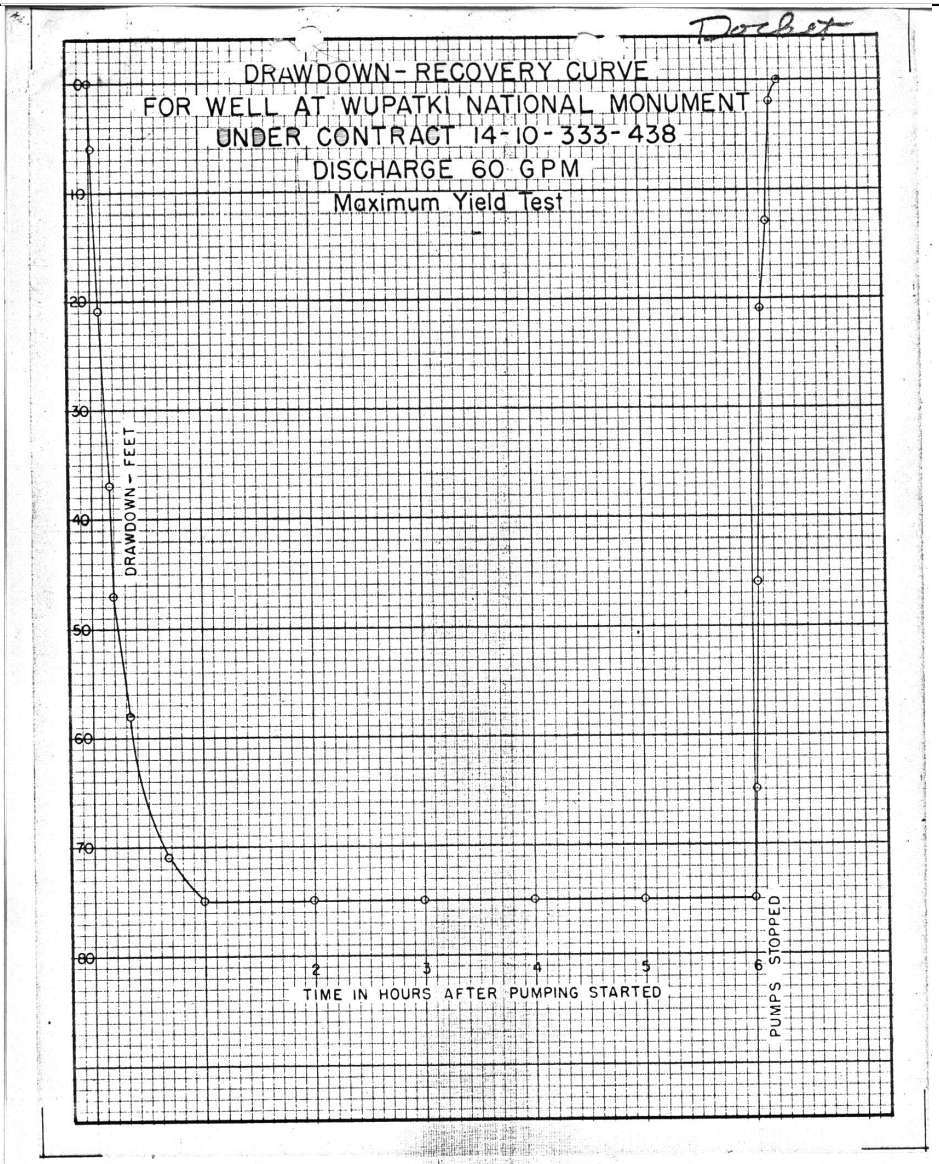
WUPATKI NATIONAL MONUMENT
Maximum Yield Test,60 GPM
Page 1 of 1.

Start: 11:43 AM
Finish: 7:00 PM

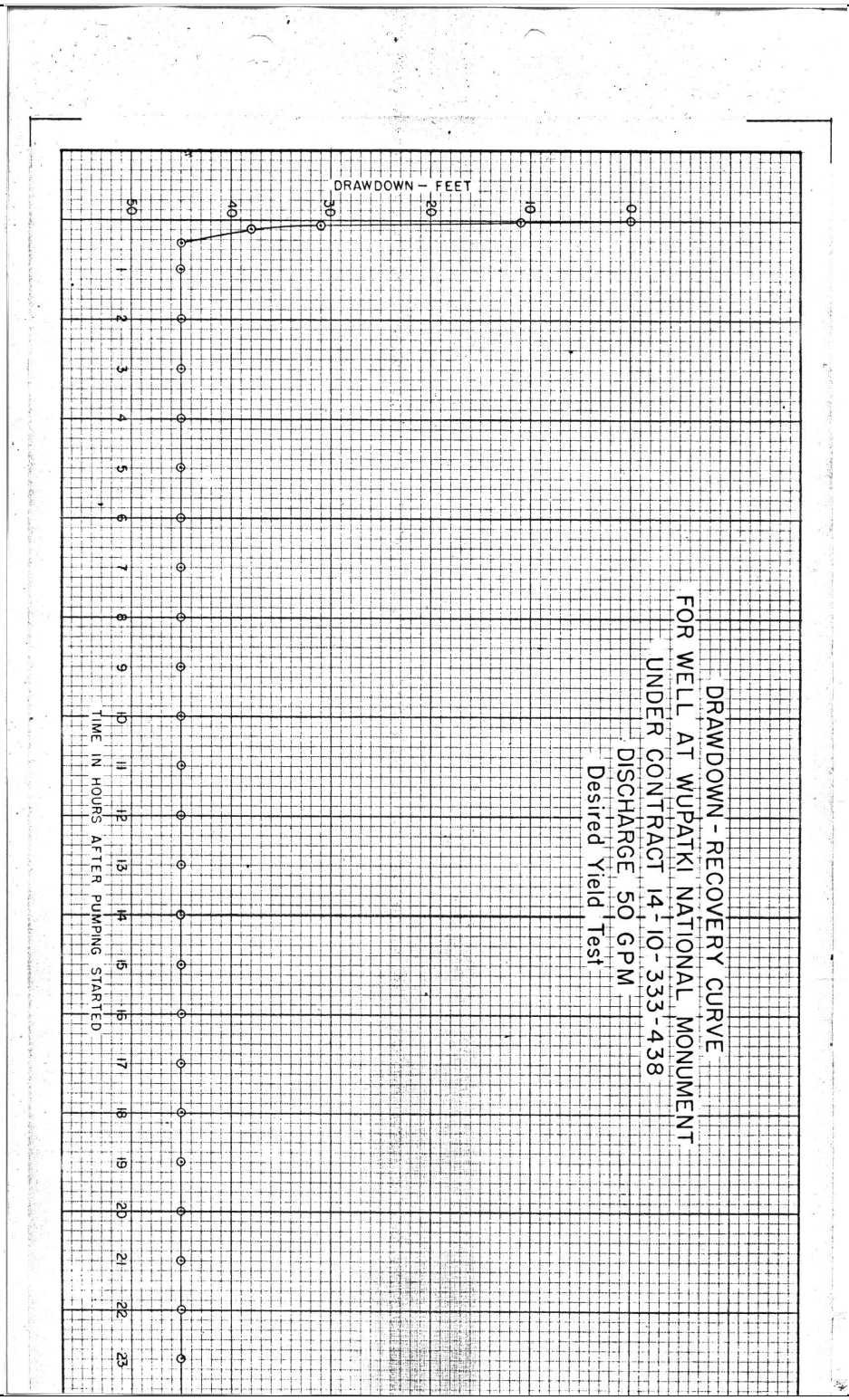
Minutes Pumped	Draw Down from Static Water Level
1	6 ft.
2	12 "
3	18 "
4	24 "
5	31 "
6	34 "
7	37 "
8	39 "
9	41 "
10	43 "
11	45 "
12	47 "
13	49 "
14	50 "
15	51 "
16	52 "
17	53 "
22	58 "
27	65 "
32	66½ "
37	69 "
42	71 "
47	73 "
52	74 "
57	74½ "
62	75 "
67	75"
Start 6 hr.Test... 72	75 "
77.	75 "
87	75 "
97	75 "
107	75 "
1 hr. 137	75 "
167	75 "
2 hr. 197	75 "
227	75 "
3 hr. 257	75 "
287	75 "
4 hr. 317	75 "
347	75 "
5 hr. 377	75 "
407	75 "
6 hr. 437	75 "

RECOVERY

Minutes	Recovery
1	10 "
1½	15 "
2	23 "
3	29 "(29 ")
3 ½	35 "
4	42 "
5	49 "
6	54 "
7	59 "
8	62 "
9	68 "
10	70 "
11	71 ½ "
12	73 "
13	73 ½ "
14	74 "
15	74 "
16	79½ "
17	75 "

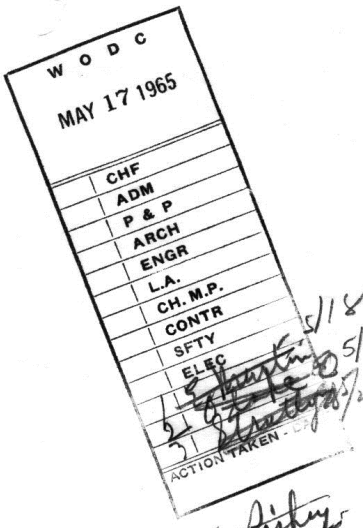

Dorbet
DRAWDOWN - RECOVERY CURVE
FOR WELL AT WUPATKI NATIONAL MONUMENT
UNDER CONTRACT 14-10-333-438
DISCHARGE 60 GPM
Maximum Yield Test
DRAWDOWN - FEET
00
10
20
30
40
50
60
70
80
2
3
4
5
6
TIME IN HOURS AFTER PUMPING STARTED
PUMPS STOPPED

00-00-0000: water wel pumping test report, wupatki national monument



Other Supporting Information

05-14-1965: memorandum to director from assistant regional director, operations regarding transmittal of material for docket no. 3



154

Southwest Region
Santa Fe, New Mexico
87501

MAY 14 1965

Memorandum

To: Director

From: Assistant Regional Director, Operations

Subject: Transmittal of material for Docket No. 3, Wupatki

We are enclosing for insertion in your copy of the subject docket the Drawdown Recovery Curve and Completion Report of the Construction Project pertaining to the Headquarters Well and Water System at Wupatki.

By copies of this memorandum we are sending these to Chief, WODC and Superintendent, Wupatki for insertion in their docket.

(SIGNED)

George W. Miller

In duplicate

Enclosures

cc:
Chief, WODC (2)
w/encs.
Superintendent, Wupatki
w/encs.

11-27-1963: memorandum to regional director, southwest region from chief, branch of water resources regarding dockets number

W O D C

NOV 29 1963

	CHF
	ADM
	PERS
	P & P
	ARCH
	ENGR
	L. A.
	SPEC
	CONT
	SFTY
	HABS

CTION TAKEN - DATE

November 27, 1963

15h-RLN

Memorandum

To: Regional Director, Southwest Region

From: Chief, Branch of Water Resources

Subject: Dockets numbered 3 and 4, Wupatki

We are in receipt of a docket labled Docket No. 4 for the subject area. The folders intended for the Superintendent and WDC were inadvertently included and are forwarded by copy of this memorandum to them.

A review of past correspondence seems to indicate that no Docket No. 3 was distributed, though Mr. Dunn's last memorandum on the subject left it to field personnel to decide whether headquarter's well data should be so docketed or added as a partitioned section of Docket No. 1. We have no record of having received a folder for a Docket No. 3. If one exists of it we would like to receive a complete copy and to assure that ours and field copies agree we would also appreciate a copy of the table of contents of Docket No. 1 as it now exists.

SIGNED

E. W. Mead

Superintendent, Wupatki, w/o Docket No. 4
Chief, WDC (2), w/o Docket No. 4

COPY FOR FILE COPY

01-14-1960: memorandum to regional director, region three from chief, water resources section regarding well log, pump test, and

Wupatki

WR copy

L54-GBL

January 14, 1960

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Well Log, Pump Test, and Docket Assemblies, Wupatki

From the information with your memorandum of November 13, 1959, I favor one Docket No. 1, Headquarters Water System, with Part I for Wupatki Spring, and Part II for the new well; and Docket 2, Heiser Spring Water System. However, there are also potential future developments which might make it desirable to keep the records of Wupatki Spring in its individual Docket 1, and set up Docket 3, Headquarters Water System, as a new one. You and the Superintendent should agree on the procedure you prefer, for local administrative purposes.

There is no question about Docket 2, and the need for establishing rights by filing an application as soon as all data can be supplied. The claim should be to the maximum past spring flow, or portion which has or probably will be used, rather than to the flow now found. The flow may increase again by the time proof of use is required, and we should establish rights to that amount if needed. Of course, the domestic use should be limited to firm flow, which may be that now found, and the rest of the right should be for water for Indian stock and wildlife when available. This right will only have priority of date application is filed under State law, but may have successorship priority of earlier use under claim in Arizona vs. California.

Docket 1, or 3, Headquarters Water System, should be the record of right to use water for the designated purposes under priority of first withdrawal and reservation of the Monument area, as that right may be defined in Arizona vs. California. Filing the records and rights to Wupatki Spring in that docket, will make the history of the water use more complete. No application is now needed for the well use, but the reports on well drilling, pump test, pump installation and capacity, and pipeline and reservoir construction, with map and dates, should be filed.

Whether filed as independent Docket 1 or part of Docket for Headquarters Water System, an application should be filed to establish priority under State surface water rights, claiming maximum past flow or use, whichever is less. However, the first complication in filing a claim for Headquarters domestic use is that no proof for license can be made unless the standby pump and pipeline connection is restored and maintained. It may be preferable to include only the map of the old system and a historical statement of past use in Part I of the Docket 3 for Headquarters Water System.

If Docket 1 is to cover only the spring, the application to be filed with the State and in Docket 1, could claim only future use by wildlife and Indian stock, through some simple stock watering facilities to be provided at the spring. The application should be filed as soon as possible to establish the date of State priority, and should indicate the date of first development for past domestic use even though the State will not grant the retroactive priority.

The applications for the two springs should include the statement that nothing in the application constitutes waiver of other rights the U.S. may have to the same water.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Wupatki
Chief, WODC (2)
Mr. Dunn

AvVDunn:let

12-21-1960: memorandum to director from assistant regional director regarding pump capacities as measure of water right and pa

Region Three
Santa Fe, New Mexico

L-54



DEC 21 1960

Memorandum

To: Director

From: Assistant Regional Director

Subject: Pump Capacities as Measure of Water Right and Part of Water System Design Record, Wupatki

Attached for your files is a copy of the well pump data chart for the new Jacuzzi, submersible pump which was recently installed in the new well at Wupatki. This pump replaced the Pacific pump which had become inoperative.

By copies of this memorandum we are sending a copy of this chart to WODC and the Superintendent for their files.

(SIGNED)
George W. Miller
Assistant Regional Director

In duplicate

Attachment

Copy to: Chief, WODC (2) with attachment
Supt., Wupatki with attachment

REGION THREE OFFICE

WELL PUMP DATA CHART

Date December 19, 1960 Sheet 1 of 1

PARK OR MONUMENT Wupatki National Monument

REPLACEMENT PUMP

NAME OF SUPPLY, and LOCATION by 40 ACRE DIVISION of Sec., Twp. & Rge.	PUMP UNIT									PUMP POWER		
	MAKE	SERIAL NUMBER	TYPE - PISTON TURBINE, ETC.	CAPACITY - GPM DESIGN	CAPACITY - GPM ACTUAL	HEAD - FEET DESIGN	HEAD - FEET ACTUAL	DIA.-INCHES INTAKE	DIA.-INCHES OUTLET	KIND ELEC-GAS	HP	Operating RPM
NW¼SW¼ Sec. 30, T. 25 N., R. 10 E., GILA&SRBM	Jacuzzi	VLJ-392	Submersible	--	3.5	---	805'	1¼"	1¼"	Elec.	2	3,450

12-19-1960: well pump data chart for replacement well at wupatki national monument

W O D C
NOV 29 '60
CHF
ADM
PERS
P & P
ARCH
ENGR
L. A.
SPEC
CONT
SITY
ACTION TAKEN - DATE

Region Three
Santa Fe, New Mexico

L-54

NOV 25 1960

Memorandum

To: Director

From: Acting Regional Director

Subject: Pump Capacities as Measure of Water Right and Part of Water System Design Record, Wupatki National Monument

Attached is completed form "Well Pump Data Chart" which gives the information on the pump at the new well at Wupatki.

We have inserted this in our files and by copies of this memorandum are sending copies to WODC and the Superintendent.

(SIGNED)

George W. Miller
Acting Regional Director

In duplicate

Attachment

Copy to: WODC (2) with attachment
Superintendent, Wupatki with attachment

EXTRA FILE COPY

08-04-1960: memorandum to regional director, region three from chief, water resources section regarding well log, pump test, etc.,

REGION THREE OFFICE

WELL & P DATA CHART

Date Oct. 7, 1960 Sheet 1 of 1

PARK OR MONUMENT Wupatki, N.M.

NAME OF SUPPLY, and LOCATION by 40 ACRE DIVISION of Sec., Twp. & Rge.	PUMP UNIT									PUMP POWER		
	MAKE	SERIAL NUMBER	TYPE - PISTON TURBINE, ETC.	CAPACITY - GPM DESIGN	CAPACITY - GPM ACTUAL	HEAD - FEET DESIGN	HEAD - FEET ACTUAL	DIA.-INCHES INTAKE	DIA.-INCHES OUTLET	KIND ELEC-GAS	HP	Operating RPM
Information to be furnished by WODC on "As Built" drawing	Pacific	1DR15561	Centrifugal (Turbine)	?	5	—	195' 805'	1¼"	1¼"	Elec	1½	1715
SW¼ NW¼ NW¼ Sec 30, R10E G&SRB&M	Pacific	RR814	Submersible	5	5	—	[redacted]	2"	2"	Elec	2	?
NW¼ SE¼ NW¼ of Sec. 30 T. 25N, R. 10 E G&SRB&M												

08-24-1960: memorandum to superintendent, wupatki from regional chief of operations regarding pump capacities as measure of

Region Three
Santa Fe, New Mexico

L-54

AUG 24 1960

Memorandum

To: Superintendent, Wupatki

From: Regional Chief of Operations

Subject: Pump Capacities as Measure of Water Right and Part of Water System Design Record, Wupatki

On March 3, 1959, this office sent a memorandum concerning the above subject to your area requesting information on pumps for our water rights files. At that time the pump at the new well had not been installed.

Since that time the pump has been installed and we find no record of the pump data in our files. This data is needed to complete our water rights docket.

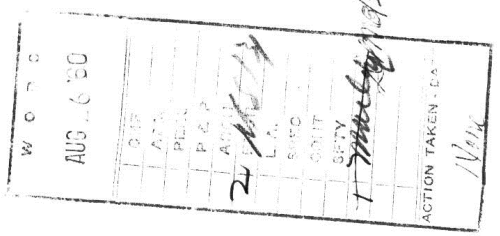
Attached is a form which lists all of the information required. We would appreciate it if you would fill this out and return it to this office for distribution to the various dockets.

(SIGNED)

Jerome C. Miller
Regional Chief of Operations

Attachment

Copy to: Director (2) w/o attachment
Chief, WCDC (2) w/o attachment



08-04-1960: memorandum to regional director, region three from chief, water resources section regarding well log, pump test, etc.,

L54-OBL

August 4, 1960

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Well Log, Pump Test, etc., Wupatki Headquarters Water System, Docket 1, Wupatki

Reference is to your memorandum of November 13, 1959, and related data subsequently received. Since Docket 1, Part II, presently refers to a proposed standby, we suggest altering the tab to read "Part II - Spring Source" and adding a Part III for the "new well source". This should contain (a) map of water system (with pipe layout and tie to well); (b) log of well; (c) pump data; (d) record of pump tests; and (e) completion report which you sent us on June 3.

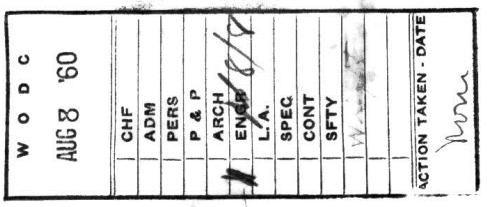
We are missing parts a and c and would appreciate being supplied. The closing paragraphs of my memorandum of January 14 relate to the importance of a filing for the surface rights for Part II even though it is only for standby purposes.

Please supply us with the new Part III tab and the missing data as time permits.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Wupatki
Chief, WODC 2

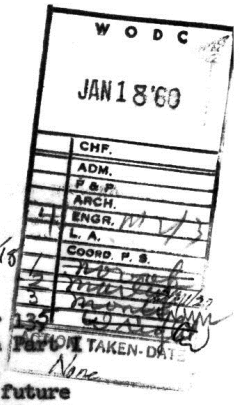


01-14-1960: memorandum to regional director, region three from chief, water resources section regarding well log, pump test, and

L54-OBL

Docket 1 & 2

January 14, 1960



Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Well Log, Pump Test, and Docket Assemblies, Wupatki

From the information with your memorandum of November 1959, I favor one Docket No. 1, Headquarters Water System, with Part I for Wupatki Spring, and Part II for the new well; and Docket 2, Heiser Spring Water System. However, there are also potential future developments which might make it desirable to keep the records of Wupatki Spring in its individual Docket 1, and set up Docket 3, Headquarters Water System, as a new one. You and the Superintendent should agree on the procedure you prefer, for local administrative purposes.

There is no question about Docket 2, and the need for establishing rights by filing an application as soon as all data can be supplied. The claim should be to the maximum past spring flow, or portion which has or probably will be used, rather than to the flow now found. The flow may increase again by the time proof of use is required, and we should establish rights to that amount if needed. Of course, the domestic use should be limited to firm flow, which may be that now found, and the rest of the right should be for water for Indian stock and wildlife when available. This right will only have priority of date application is filed under State law, but may have successorship priority of earlier use under claim in Arizona vs. California.

Docket 1, or 3, Headquarters Water System, should be the record of right to use water for the designated purposes under priority of first withdrawal and reservation of the Monument area, as that right may be defined in Arizona vs. California. Filing the records and rights to Wupatki Spring in that docket, will make the history of the water use more complete. No application is now needed for the well use, but the reports on well drilling, pump test, pump installation and capacity, and pipeline and reservoir construction, with map and dates, should be filed.

Whether filed as independent Docket 1 or part of Docket for Headquarters Water System, an application should be filed to establish priority under State surface water rights, claiming maximum past flow or use, whichever is less. However, the first complication in filing a claim for Headquarters domestic use is that no proof for license can be made unless the standby pump and pipeline connection is restored and maintained. It may be preferable to include only the map of the old system and a historical statement of past use in Part I of the Docket 3 for Headquarters Water System.

If Docket 1 is to cover only the spring, the application to be filed with the State and in Docket 1, could claim only future use by wildlife and Indian stock, through some simple stock watering facilities to be provided at the spring. The application should be filed as soon as possible to establish the date of State priority, and should indicate the date of first development for past domestic use even though the State will not grant the retroactive priority.

The applications for the two springs should include the statement that nothing in the application constitutes waiver of other rights the U.S. may have to the same water.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Wupatki
Chief, WODC (2)

11-13-1959: memorandum to director from regional director regarding well log, pump test, wupatki national monument

L-54

Region Three
Santa Fe, New Mexico

NOV 13 1959

Memorandum

To: Director

From: Regional Director

Subject: Well Log, Pump Test, Wupatki National Monument

This refers to your memorandum of October 19, 1959 concerning the above subject.

Regional Chief of Lands Hall and Civil Engineer Fields visited Wupatki on October 20 and checked Wupatki Springs and Reiser Springs. At that time they found the pump at Wupatki Springs had been removed and the spring was not flowing.

Present plans do not show the incorporation of the Wupatki Springs system into the overall Monument supply with the well. However, there is attached a letter from Superintendent Mahan which requests that the Spring system be kept as a standby system.

In our opinion there is no need for a Docket No. 3 and we concur in the proposal by Mr. Dunn in his memorandum of October 19 that Docket No. 1 could be divided into Part I - Wupatki Springs Supply and Part II - Well Supply.

As soon as we are advised how Mr. Dunn wishes to divide the material, we will make the necessary adjustment.

SIGNED
Thomas J. Allen
Regional Director

WESTERN OFFICE
DESIGN & CONSTRUCTION
NOV 16 1959 A.M.
CHIEF
ADMIN. ASSIST.
PERSONNEL
PLANS & PROG.
SAFETY
ARCHITECT
ENGINEER
LAND. ARCH.
3
ACTION TAKEN—DATE
Done

In duplicate

Attachment

Copy to: Chief, WODC (2) w/attachment
Supt., Wupatki w/o attachment

10-19-1959: memorandum to regional director, region three from chief, water resources section regarding well log, pump test, wup

154-GHL

Docket 1 & 2

October 19, 1959

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

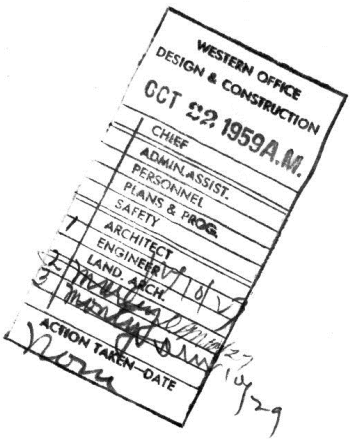
Subject: Well Log, Pump Test, Wupatki National Monument

We are temporarily filing our copies of the well log and pump test in our correspondence files. If the well is tied into the existing spring system, with the spring system being used as a standby water supply, we should divide Docket 1 into Part I-Wupatki Spring Supply and Part II, Well Supply. However, if the well supply is to be a system apart from the spring system, we should assemble records as a Docket 3. Please advise, so that we can make the proper assembly of records.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Wupatki
Chief, WUDC (2)



UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

WUPATKI NATIONAL MONUMENT
Flagstaff, Arizona
July 24, 1959

L-54

WESTERN OFFICE
DESIGN & CONSTRUCTION
JUL 27 1959
CHIEF
ADMIN. ASSIST.
PERSONNEL
PLANS & PROG.
SAFETY
ARCHITECT
ENGINEER
LAND. ARCH.
ACTION TAKEN—DATE
Memo to Reg 3
8-13 Ltr

Memorandum

To: Regional Director

From: Superintendent, Wupatki - Sunset Crater

Subject: Log of Well, Pump Tests, Wupatki

Reference is made to Mr. Dunn's memorandum of July 10th and Mr. Canfield's of July 22nd to WODC regarding the above subject.

Copy of report of chemical analysis of water from the Wupatki well was sent you with our memorandum of November 7, 1958, D-5039. Regarding log and pump test reports, these came in while this Superintendent was on annual leave but should have been sent to your office with the final payment voucher, see our memorandum of December 7, 1958, D-5015. If you did not receive them they must have gone to WODC in error.

We can loan you our file copy for duplicating if WODC cannot produce.

Russell L. Mahan
Superintendent

cc: Chief, WODC (2)

IN REPLY REFER TO:
L-54

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Region Three
Santa Fe, New Mexico

Dri'g Montezuma

JUL 22 1959

Memorandum

To: Chief, Western Office of Design and Construction

From: Regional Chief of Operations

Subject: Log of Wells, Pump Tests, Montezuma Castle and Wupatki
C/R

By now you have received a copy of Mr. Dunn's memorandum of July 10 regarding well driller's report, log, and pump test for the wells drilled at Montezuma Castle and Wupatki.

If you will furnish this information even in rough form, the drafting and typing, if any, can be done in this office and the necessary copies prepared for water right docket assemblies in accordance with the last paragraph of Mr. Dunn's memorandum.

David H. Canfield
Regional Chief of Operations

In duplicate

Copy to: Director (2)
Supt., Montezuma Castle
Supt., Wupatki

WESTERN OFFICE
DESIGN & CONSTRUCTION
JUL 23 1959 A.M.
ACTION
CHIEF
ADMIN. ASSIST.
PERSONNEL
PLANS & PROG.
SAFETY
ARCHITECT
ENGINEER
LAND. ARCH.
ACTION TAKEN—DATE
Memo & Log
8-13 ltr

06-05-1959: memorandum to acting regional chief of operations from reginal chief of lands regarding lacation of well and water sy

L-54

Region Three
Santa Fe, New Mexico

June 5, 1959

Memorandum with Attachment

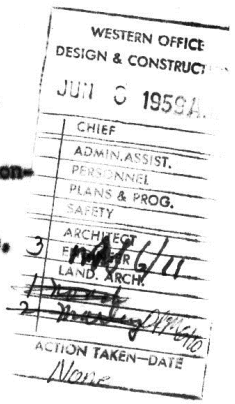
To: Acting Regional Chief of Operations

From: Regional Chief of Lands

Subject: Location of Well and Water System Including Wupatki Spring System, Docket No. 1, Wupatki

Before Regional Engineer Wohlbrandt went on annual leave, he advised that Engineers McCabe and Johnston might be available for assistance and field surveying before June 30, if needed.

At Wupatki National Monument we have a new well which should be tied to a section corner in order to show or calculate the relationship of the well, the 55,000 gallon storage tank and the distribution lines. Much of this information is shown on Sheet 4 of 5, Drawing NM-WUP-3103. However, this sheet does not show the location of the new well and its relationship to existing buildings and a section corner.



If Messrs. McCabe and Johnston can be made available, they should obtain the following information:

1. Tie from the center of the well by bearing and distance to a Bureau of Land Management section corner or quarter corner.

2. Bearings and distances connecting the water well, storage tank, and new lines as constructed. They should also make ties to the existing buildings in order that they may be plotted in relation to the new water system.

3. If time permits they should also recheck the distribution system and ties to Wupatki Spring or present source of water at the headquarters area. Engineer George Johnston made this original survey in January 1954 but additional information should be

obtained if time permits. This information, with course, bearings and ties as established by Mr. Johnston in 1958, is shown on the attached unnumbered drawing. This drawing shows the Wupatki Spring layout which has been the only water system for the headquarters area prior to drilling of the "new well".

It is requested that enough information be obtained, if possible, to tie both systems together showing course, bearing and distance. We should also have information regarding the pump, size, name, type, serial number, etc. of the existing "old" Wupatki system.

JOHN E. KELL

John E. Kell
Regional Chief of Lands

Attachment

Copy to: Director (2) w/1 attachment
WODC (2) w/1 attachment
Supt., Wupatki w/1 attachment
Joe McCabe
George Johnston

05-29-1959: memorandum to acting chief of operations from superintendent, wupati - sunset crater regarding pump capacities as

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

L-54

WESTERN OFFICE
DESIGN & CONSTRUC
JUN 4 1959
CHIEF
ADMIN. ASSIST.
PERSONNEL
PLANS & PROG.
SAFETY
ARCHITECT
ENGINEER
LAND. ARCH.
ACTION TAKEN DATE
None

WUPATKI NATIONAL MONUMENT
Flagstaff, Arizona
May 29, 1959

Memorandum

To: Acting Chief of Operations

From: Superintendent, Wupatki - Sunset Crater

Subject: Pump Capacities as Measure of Water Right and Part of Water System Design Record.

The following is information requested in your memorandum of March 3rd regarding pumping equipment being installed in the new well at Wupatki Headquarters.

Submersible Pump:

1. Manufacturer - Pacific Pumping Company
2. Type of Pump - Submersible Electric, Model DD42-252
3. Intake pipe diameter - none
4. Outlet pipe diameter - 1-1/4 inches
5. Power Unit rating - Franklin Electric Co. Motor: 2 H.P., 230 volts, 11 amps., single phase, 60 cycle, Model C1043 VB3 (SF120-BS)
6. Serial Number - Motor - WKC1466. Pump - 1 R15560
7. Installed head in feet - From pump suction to floor of pump house - 854 ft. Floor of pump house to storage tank - 200 ft.
8. Rating of pump in gallons per minute under existing head - 5 gallons.

Centrifugal Pump:

1. Manufacturer - Pacific Pumping Company
2. Type of pump - Centrifugal, Model R4SBF
3. Intake pipe diameter - 1-1/4 in.
4. Outlet pipe diameter - 1-1/4 in.
5. Power Unit Rating - GE Capicator Motor Model 5KC 184 AG201A, 1-1/2 H.P., 1715 r.p.m., 115 - 230 volt, Amp. 18.4/9.2, type KC, 60 cycle.
6. Serial Number - Motor - none; pump - 1 DR15561
7. Installed head in feet - Booster pump to push water approximately 200 ft. in elevation to storage tank.
8. Rating of pump in gallons per minute under existing head - 5 gallons.

The contractor is installing the submersible today and should be able to make tests the first part of next week.

Russell L. Mahan
Superintendent

cc: Chief, WCDC

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 currentIy 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 puposes 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.

07-29-1982: letter to arizona department of health services from associate regional director, park operations regarding completed

JUL 29 1982

S7217(SWR-OM)

Arizona Department of Health Services
BWQC Technical Review, Room No. 200
1740 West Adams Street
Phoenix, Arizona 85007

Gentlemen:

As requested in your note of July 21, 1982, to Charles Bowman, PHS Consultant, National Park Service, enclosed is the completed application for approval to construct water facilities (Form No. AZ-ADHS/EHS/Water Quality-114) at Wupatki National Monument, Arizona. We assume there will be no complications as the bid opening for the project is scheduled for August 19, 1982, and we must be able to obligate the programmed funds prior to October 1, 1982. If you have any further questions, please contact Mr. Charles Bowman immediately by telephone at (505) 988-6367.

Sincerely,

/S/ JACK NECKELS

Jack Neckels
Associate Regional Director, Park Operations

Enclosure

bcc:
Superintendent, Wupatki/Sunset Crater
General Superintendent, Navajo Lands Group
Sheldon Smith, Navajo Lands Group
C. Bowman, PHS, SWR
Chief, ACP, SWR
Chief, OM, SWR

L54(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) 988-6368.

Sincerely yours,

/s/ Robert I. 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

GMoore/og 6/11/82

12-19-1973: memorandum to superintendent, wupatki/sunset crater nm from hydraulic engineer, water resources, swro regarding

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

L54

DEC 19 1973

Memorandum

To: Superintendent, Wupatki/Sunset Crater NM

From: Hydraulic Engineer, Water Resources, SWRO

Subject: Well Schedule and Test Pumping Data, Headquarters Well

Enclosed is subject for inclusion in Water Right Docket #3, Wupatki. Preliminary estimates place the maximum yield of the well at about 70 gpm. Additional analysis will be made as time allows.

WATER

(SIGNED)

Garland Moore

GM:ba
Enclosures

cc:
Chief of Maintenance, MRM-WASO
Gen. Supt., Navajo Lands Group
Associate Regional Director, PSM-SWR
PSM-SWR

L54-L WR Copy

September 26, 1958

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Water Development and Water Rights, Wupatki

I have just learned that Perry Brothers Drilling Company, Flagstaff, was awarded a contract to start well drilling at Wupatki within 15 days at bid price of $13,153. Assuming that the Company is licensed it will have to comply with state water laws which are given in your copy of Arizona Administrative Procedure Act, Title 25, Land Department, 1953, beginning at page 176. We should have four copies of all filings with the State Land Department, and particularly the log and record of pump test, for a water right docket.

My tentative calculations, which provide for no irrigation, indicate that maximum August pumping to supply about 6,340 gpd in 1956 would have been about 13 gpm if all water were pumped in 8-hour work day. I also estimate that with about 100,000 annual visitors sometime between 1966 and 1975, the peak day water demand will be about 22,360 gallons, which could be pumped at 47 gpm during 8 hours.

Rule 2, page 178, specifies filing of notice of intention to drill if there is an intent to pump at more than 100 gpm. Apparently there is no need for filing the notice unless there is planned irrigation to at least double the demand, even if negligible storage is to be provided. However, we should have the statement as to the pumping rates, annual and daily water demands, and the basis of the design as WCDC is planning them.

This leaves the unresolved question as to what use is to be made of the waters of the two springs. The answer may depend on the results of the well drilling, but an answer should be supplied so that we may proceed with water right applications, of which drafts are in the various assemblies of Dockets 1 and 2. Heiser Spring, at least, is approximately a mile from the Superintendent's present residence and the presumed wellsite and is used by the Indians and their goats as well as temporarily serving a CCC building which has been used as an employee's residence, and by visitors. Our records show the following available supplies:

Source	Daily Flow	Average Flow	Annual Flow
Heiser Spring	600-3,000 gpd	1,100 gpd	401,500 gals.
Wupatki Spring	150-1,500 gpd	600 gpd	219,000 gals.
Total		1,700 gpd	620,500 gals.

Since presenting our testimony in Arizona vs. California, it has become important that we file applications for the appropriation of all claimed water as rapidly as possible, where filings are needed, and to have the data available for groundwater appropriation if the water laws are amended to require it. Applications for the appropriation of Heiser and Wupatki Springs should have been made before this. In fact, it would have been easier to make proof and obtain licenses before the supplemental supply becomes available.

Whether the plans for the new water system call for pumping in excess of 100 gpm or not, we should obtain the log and pump test records, and other data for which provision is made on the Record of Well form, with which you have been provided. The driller's reports to the state will be better if they are made and cover the same data.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Wupatki
Chief, WORC
Mr. P. Miller
Mr. Dunn

AvVDunn:lct

WR copy

L-54

Region Three
Santa Fe, New Mexico

WR

June 5, 1959

Memorandum

To: Acting Regional Chief of Operations

From: Regional Chief of Lands

Subject: Location of Well and Water System Including Wupatki Spring System, Docket No. 1, Wupatki

Before Regional Engineer Wohlbrandt went on annual leave, he advised that Engineers McCabe and Johnston might be available for assistance and field surveying before June 30, if needed.

At Wupatki National Monument we have a new well which should be tied to a section corner in order to show or calculate the relationship of the well, the 55,000 gallon storage tank and the distribution lines. Much of this information is shown on Sheet 4 of 5, Drawing NM-WUP-3103. However, this sheet does not show the location of the new well and its relationship to existing buildings and a section corner.

If Messrs. McCabe and Johnston can be made available, they should obtain the following information:

1. Tie from the center of the well by bearing and distance to a Bureau of Land Management section corner or quarter corner.

2. Bearings and distances connecting the water well, storage tank, and new lines as constructed. They should also make ties to the existing buildings in order that they may be plotted in relation to the new water system.

3. If time permits they should also recheck the distribution system and ties to Wupatki Spring or present source of water at the headquarters area. Engineer George Johnston made this original survey in January 1954 but additional information should be

obtained if time permits. This information, with course, bearings and ties as established by Mr. Johnston in 1954, is shown on the attached unnumbered drawing. This drawing shows the Wupatki Spring layout which has been the only water system for the headquarters area prior to drilling of the "new well".

It is requested that enough information be obtained, if possible, to tie both systems together showing course, bearing and distance. We should also have information regarding the pump, size, name, type, serial number, etc. of the existing "old" Wupatki system.

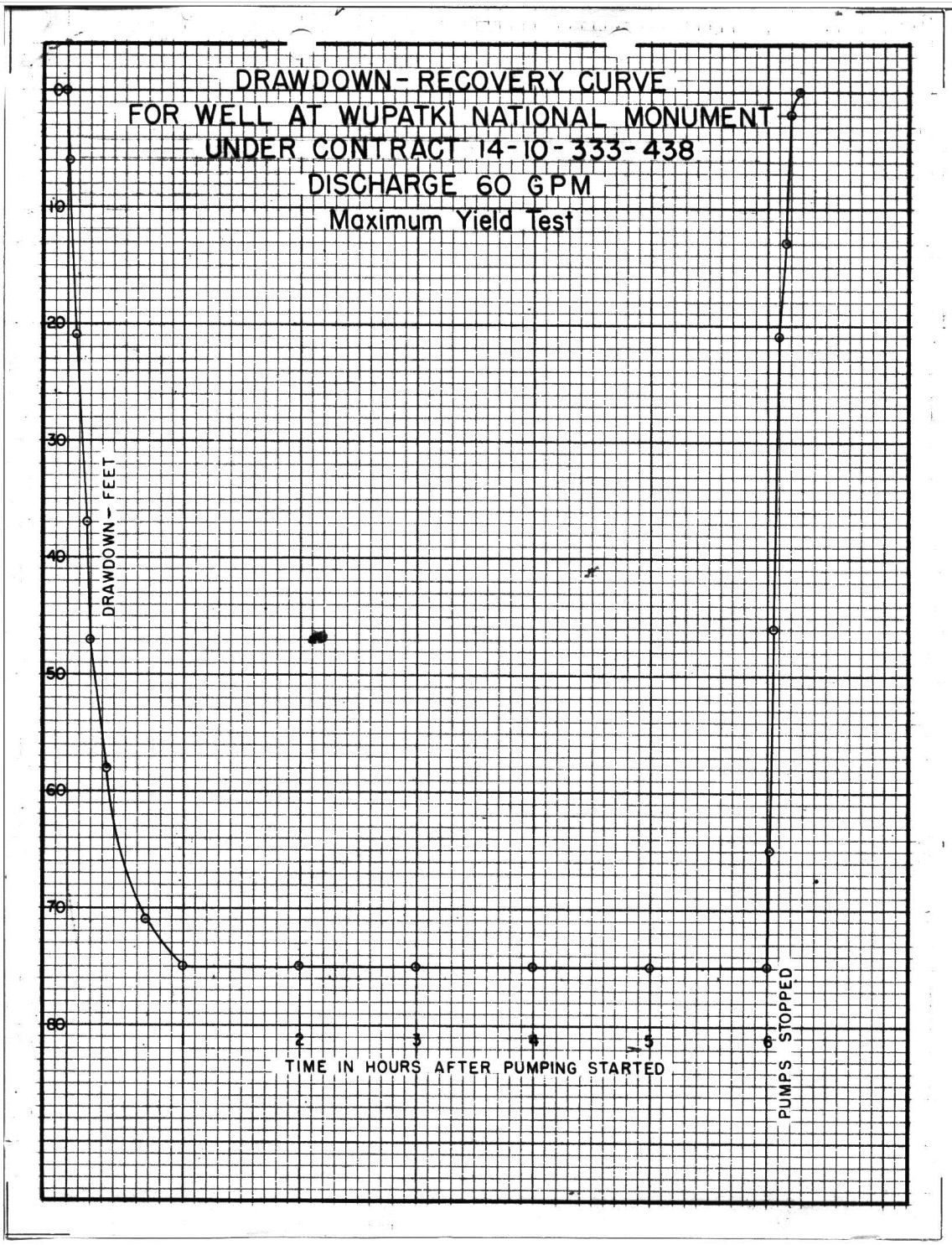
JOHN E. KELL

John E. Kell
Regional Chief of Lands

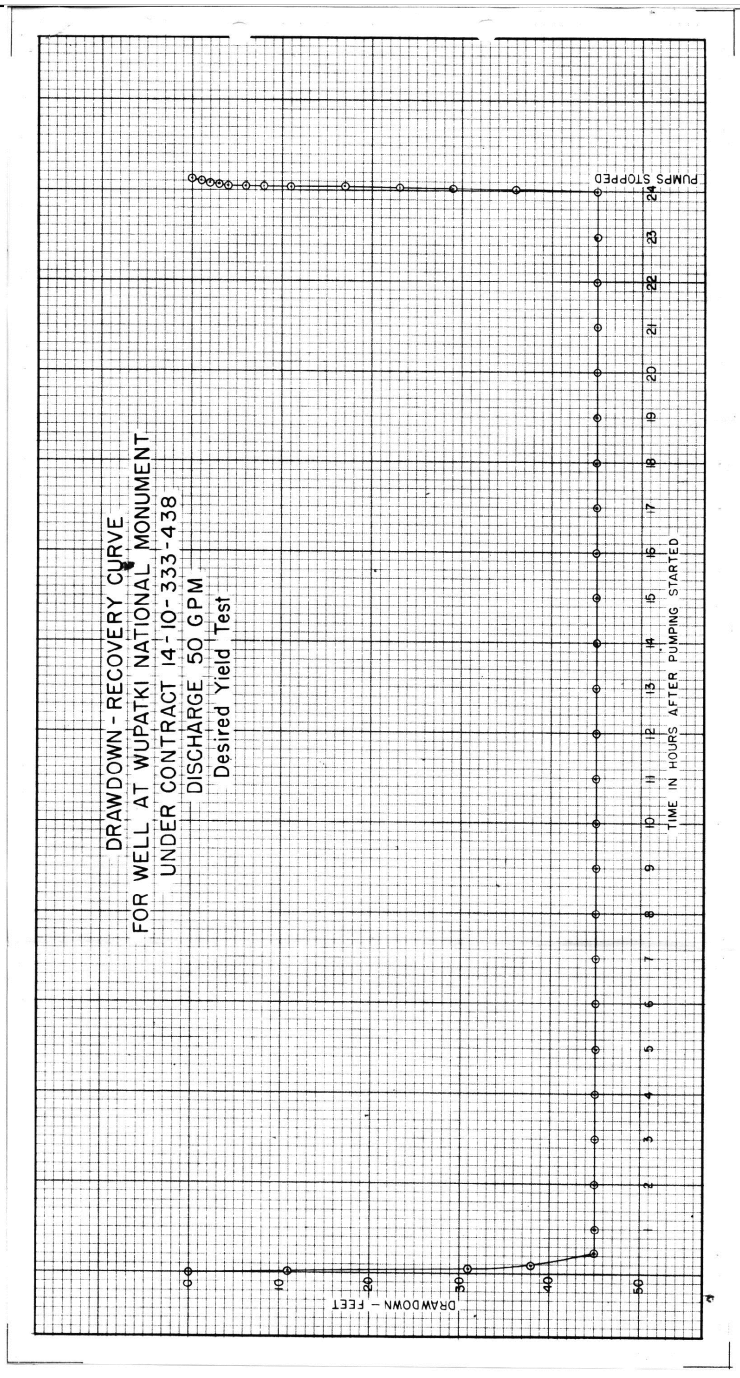
Attachment

Copy to: Director (2) w/1 attachment
WORC (2) w/1 attachment
Supt., Wupatki w/1 attachment
Joe McCabe
George Johnston

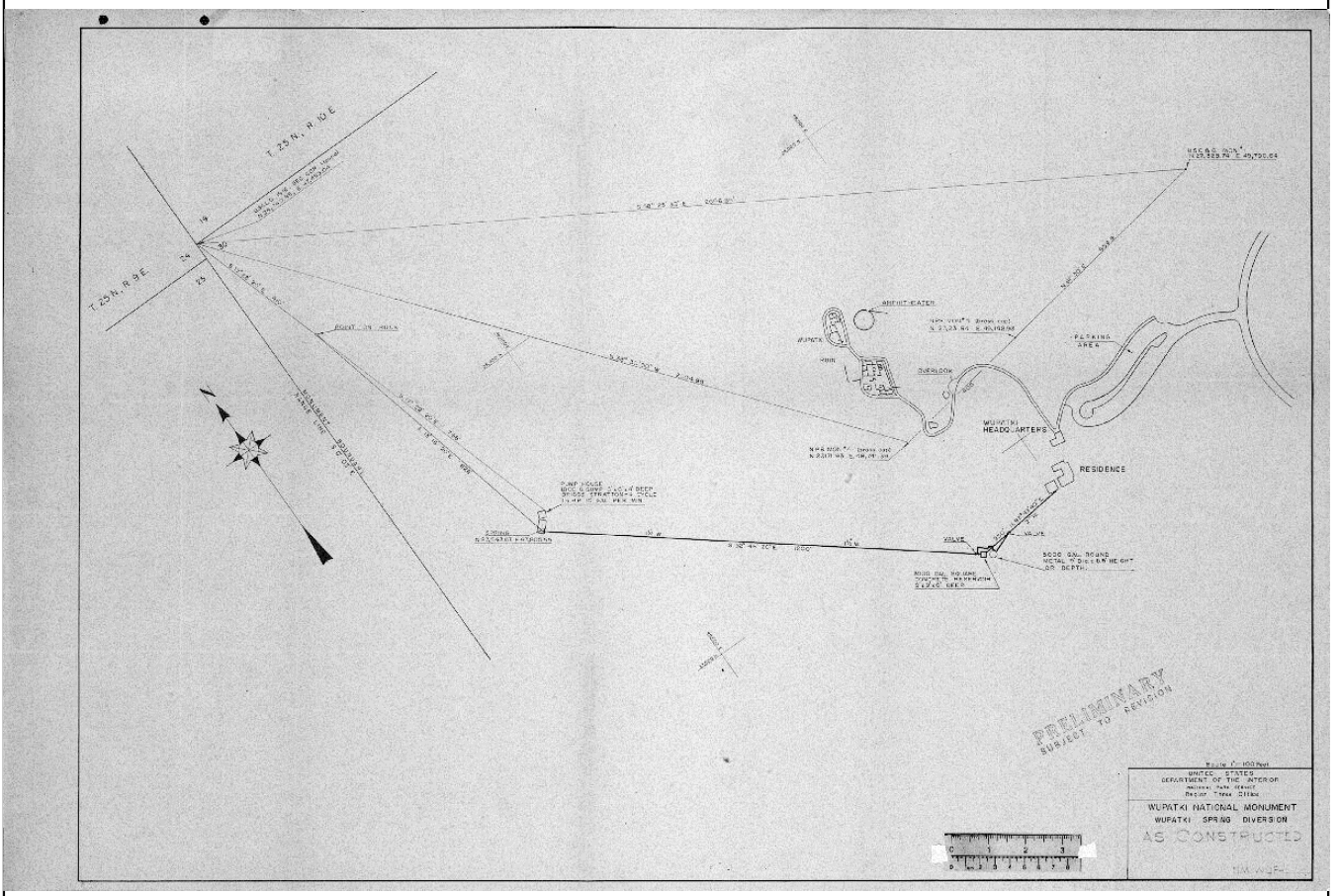
06-05-1959: memorandum to acting regional chief of operations from regional chief of lands regarding location of well and water s



06-05-1959: memorandum to acting regional chief of operations from regional chief of lands regarding location of well and water s



00-00-0000: wapatki spring diversion map



Docket Information

Number of Documents in Docket 96

Documents Dated from 5/15/1920 to 5/15/2000

Docket Compiled: 12/20/2017