



WATER-RIGHT DOCKET

Tumacacori National Historical Park

Docket No: 2

HEADQUATER'S WELL

Preliminary Docket Information

05-22-1979: docket information sheet

DOCKET (FILE) TITLE _____		DATE: May 22, 1979
REGION	Western	ANMA Tumacacori National Monument
SITE	Headquarters Well	
STATE	Arizona	COUNTY Santa Cruz DOCKET NO. WR #2
LOCATION	SW 1/4 Sec. 30, T 21S, R 13E	
REGIONAL BASIN	Colorado	LOCAL BASIN Santa Cruz
ACQUIRED BY	Purchase	
APPLICATION	PERMIT	CERTIFICATE
ACTION DUE	PRIORITY	RESERVATION
QUANTITY	1,517,000 gallons in 1976	USE domestic and irrigation
STATUS	active	SOURCE groundwater
REMARKS	Located in Hydrologic Basin Unit No. 15050301.	
 NARRATIVE: President Theodore Roosevelt proclaimed Tumacacori National Monument on September 15, 1908 (Proclamation No. 821). Specifically, the proclamation set aside 10 acres of land upon which the Tumacacori Mission was located. This land had been owned by Carmen Mendez (homestead entry No. 3035) who had "relinquished" title to the U.S. for the purpose of establishing the monument. The Superintendent of Tumacacori wrote a memo to the General Superintendent of the Southwest Monuments on January 4, 1953. In it he discussed the water rights at Tumacacori National Monument. He quoted two pages from bound copies of Southwestern National Monuments Monthly Reports (pages 202 and 499). The quoted sections are as follows: <u>March, 1938. Monthly Report:</u> "Because of several deep water wells in the vicinity of the canal take off, the water level in this section of the valley has dropped so much that the usual flow in the Santa Cruz River has dried up entirely. This means that the flow of water that goes through the canal on the monument has ceased. All trees along the old canal may die before the summer rains come." <u>June, 1938. Monthly Report</u> "The old well on the monument is of no further use, even if it were needed. The old mission irrigation canal that runs through the monument is dry because the Santa Cruz River has completely dried up. It would seem that the government and the people in the valley who are suffering because of this drop in the water table would have recourse by law to certain rights, especially those living along the banks of the old mission canal." The Superintendent stated that the "old well" was in use for monument needs until drilling of the then present well in 1937. From the two reports cited above, it is apparent that the Mission Ditch was used historically to divert water from the Santa Cruz River to irrigate Mission land. As the surrounding area began the development of ground water for irrigation by the use of wells and pumps, the local ground water table dropped to the extent		
Compiled by _____		
Approved by _____		

that the flow of the Santa Cruz River was no longer continuous. It appears that the landowners in the area, rather than seeking legal remedy, acquiesced and adopted the method of well pumpage to provide water for irrigation. In 1953, the land within the monument actually irrigated was slightly under one half acre. The water needs of the monument were supplied solely by a well at that time.

It was contemplated that the Park Service would ascertain what rights the monument actually had under the Old Mission Ditch rights. A search of the local records was planned.

On July 12, 1947, the Acting Custodian of Tumacacori N.M. wrote a memo regarding a well in the monument. The well was drilled 77 feet deep. The Well Log for the well stated that there was "plenty of water." The pump installed on the well had a capacity of 18.8 gpm and a 50 foot maximum lift. In July of 1943, Custodian Caywood estimated the pumping rate to be about 8 gpm. In 1947, Custodian Jackson estimated that they were pumping from a 64 foot depth.

On August 12, 1959, a replacement well was drilled to a depth of 152 feet. The water level in 1964 was 16 feet below ground level.

On June 23, 1975, Superintendent Sewell of Tumacacori N.M. reported that the annual water consumption within the monument was 1,450,000 gallons in 1969 and 1,517,000 gallons in 1974.

Note: Under Arizona law, Tumacacori Mission had established a valid water right merely by diverting and applying to beneficial use the water from the Santa Cruz River prior to 1919. Arizona does not recognize riparian rights. The effect of the abandonment of the Old Mission ditch in 1938 has on the old vested rights (now covered by Section 45-180 Arizona Revised Statutes) is unclear. Arizona law in regard to ground water is, in most areas, governed by the rule of reasonable use.

STATEMENT OF CLAIMANT FORM
FOR
DOMESTIC USE

For Departmental Use Only

File No. 39- _____

Date Filed: _____

WFN _____

UPPER SANTA CRUZ RIVER WATERSHED

SUPERIOR COURT OF MARICOPA COUNTY

1. Claimant Name: United States of America, National Park Service (Tumacacori NM)
 Claimant Address: Western Regional Office, P.O. Box 36063 City 450 Golden Gate Avenue
San Francisco
 State: California Zip Code 94102 Telephone (415) 556-8660
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.
 - E. ☐ Other, describe: _____
3. Claimed Priority Date: 1937 (month/day/year)
4. Source of Water:
 - A. ☐ Stream: name _____, tributary to _____
 - B. ☐ Spring: name _____, tributary to _____
 - C. ☐ Lake or Reservoir: name _____, tributary to _____
 - D. ☒ Groundwater
5. A. Legal description of the Point of Diversion:
 County Santa Cruz, Section 30, Township 21 S, Range 13 E
 Legal Subdivision:
NW 1/4, SW 1/4, SE 1/4 of the Section
 B. Legal Description of Place of Use: (one of the following)
 County Santa Cruz, Section 30, Township 21 S, Range 13 E
NW 1/4, SW 1/4, SE 1/4 of the Section, or
 Parcel I.D. _____, or
 Subdivision Name _____ Block No. _____ Lot No. _____
6. If there are Irrigation, Stockpond or Other Uses supplied from the point of diversion, describe: _____
7. Means of Diversion:
 - A. ☐ Instream pump.
 - B. ☐ Gravity flow into ditch, canal or pipeline.
 - C. ☒ Well: Arizona Department of Water Resources Well Registration No. 55- 629109
 - D. ☐ Other, describe: _____

8. Number of persons see below or dwellings _____ served by this use.
9. Annual Volume Claimed: n/a _____ acre-feet
10. It may be necessary for a representative from the Department of Water Resources to inspect the place of use and diversion. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant _____
11. 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? Work days (415) 556-1036 _____
12. Additional comments: Serves as a backup well for well # 55-629110. _____

(attach additional sheet if required)

13. Attach Filing Fee to Form. Mail form(s) and fee(s) to: Department of Water Resources, P.O. Box 2920, Phoenix, AZ 85062.
14. Notarized Statement:
 I (We), John D. Cherry, on behalf of the United States of America,
 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.



My Commission Expires:
March 26, 1989

John D. Cherry 10/28/87
 Subscribed and sworn to before me this 28th day of October, 1987.

Witness my hand and official seal.

Mary E. Meredith
 Mary E. Meredith Notary Public

or, _____
 Authorized Personnel of the Department of Water Resources

STATEMENT OF CLAIMANT FORM
FOR
DOMESTIC USE

UPPER SANTA CRUZ RIVER WATERSHED

SUPERIOR COURT OF MARICOPA COUNTY

For Departmental Use Only

File No. 39- _____
Date Filed: _____
WFN _____

1. **Claimant Name:** United States of America, National Park Service (Tumacacori NM)
Claimant Address: Western Regional Office, P.O. Bx 36063 City San Francisco Golden Gate Ave.
State: Ca. Zip Code 94102 Telephone (415) 556-8660
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.
 - E. ☐ Other, describe: _____
3. **Claimed Priority Date:** August 12, 1959 (month/day/year)
4. **Source of Water:**
 - A. ☐ Stream: name _____, tributary to _____
 - B. ☐ Spring: name _____, tributary to _____
 - C. ☐ Lake or Reservoir: name _____, tributary to _____
 - D. ☒ Groundwater
5. **A. Legal description of the Point of Diversion:**
County Santa Cruz, Section 30, Township 21 S, Range 13 E
Legal Subdivision:
NE 1/4, SW 1/4, SE 1/4 of the Section
- B. Legal Description of Place of Use:** (one of the following)
County Santa Cruz, Section 30, Township 21 S, Range 13 E
NW 1/4, SW 1/4, SE 1/4 of the Section, or
Parcel I.D. _____, or
Subdivision Name _____ Block No. _____ Lot No. _____
6. **If there are Irrigation, Stockpond or Other Uses** supplied from the point of diversion, describe: Water
is also used for public purposes at the Visitor Center.
7. **Means of Diversion:**
 - A. ☐ Instream pump.
 - B. ☐ Gravity flow into ditch, canal or pipeline.
 - C. ☒ Well: Arizona Department of Water Resources Well Registration No. 55- 629110
 - D. ☐ Other, describe _____

8. Number of persons see below or dwellings _____ served by this use.
9. Annual Volume Claimed: 5 acre-feet
10. It may be necessary for a representative from the Department of Water Resources to inspect the place of use and diversion. Your signature following will grant permission to enter your property for the purpose of inspection: Signature of Claimant: _____
11. 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? Work days (415) 556-1036
12. Additional comments: Well provides water for three residences currently occupied by five persons. In addition, the well supplies water to the Visitor Center which accomodates 60,000 visitors annually.

(attach additional sheet if required)

13. Attach Filing Fee to Form. Mail form(s) and fee(s) to: Department of Water Resources, P.O. Box 2920, Phoenix, AZ 85062.
14. Notarized Statement:
I (We), John D. Cherry, on behalf of the United States of America,
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.



My Commission Expires:

March 26, 1989

Subscribed and sworn to before me this 28th day of October, 1987

Witness my hand and official seal.

Mary E. Meredith Notary Public

or, _____
Authorized Personnel of the Department of Water Resources

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FOR
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SUPERIOR COURT OF MARICOPA COUNTY

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 - D. ☒ Right to withdraw groundwater.
 - E. ☐ Other, describe: _____
3. Claimed Priority Date: _____ (month/day/year)
4. Source of Water:
 - A. ☐ Stream: name _____, tributary to _____
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 - D. ☒ Groundwater
5. A. Legal description of the Point of Diversion:
 County Santa Cruz, Section 30, Township 21 S, Range 13 E
 Legal Subdivision:
SE 1/4, NW 1/4, SE 1/4 of the Section
 B. Legal Description of Place of Use: (one of the following)
 County Santa Cruz, Section 30, Township 21 S, Range 13 E
NW 1/4, SW 1/4, SE 1/4 of the Section, or
 Parcel I.D. _____, or
 Subdivision Name _____ Block No. _____ Lot No. _____
6. If there are Irrigation, Stockpond or Other Uses supplied from the point of diversion, describe: _____
7. Means of Diversion:
 - A. ☐ Instream pump.
 - B. ☐ Gravity flow into ditch, canal or pipeline.
 - C. ☒ Well: Arizona Department of Water Resources Well Registration No. 55- 629111
 - D. ☐ Other, describe _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
TUMACACORI NATIONAL MONUMENT
Box 2225, Tucson, Arizona
Tumacacori, Arizona

July 12, 1947

MEMORANDUM for the Regional Director,
Region Three.

Regional Engineer Luesiter's memorandum of July 8, 1947 asked for certain information on the well at this area.

Location: SE 1/4 Sec 34, T 21S, R 13E, G R 3 R M

Depth of well: 77 feet

Method of sinking: Drilled

Size of casing: The following information is from the Well Log entries, after a depth of 60 feet was reached: "Cased with 6 inch standard casing (pipe). Casing ripped 8 times besides 18 feet of perforated pipe in bottom. Very little water. Started drilling again. 60 feet to 77 feet sand and gravel. 19 feet of perforated 4 inch standard perforated casing (pipe) added. Plenty of water."

Capacity of pump: Rated capacity of the 10" strike Daming deep well pump, as installed, was 18.8 gallons per minute, with a maximum of 50' lift. (In July of 1943 Custodian Gaywood estimated the pumping rate at about 8 gallons per minute; in June of 1947 Custodian Jackson estimated we were having to pump from the 64-foot level.)

Horse power of driving motor: 1 1/2

Type of driving motor: Electric

As you know, the well here is underneath the east end of the administration building, the pump and pressure tanks set in a pit below the floor of the shop. The sucker rods were installed in 10-foot pieces, to enable the rod being pulled within the ceiling space.

S. F. Brewer
Sallie Pierce Brewer,
Acting Custodian.

2 cc.



Tumacacori National Monument

Water Right Deed 2

Well Log.

Note: Flow is less than 100 gpm. Therefore, log need not be filed with Arizona State Land Commissioner at this time (1947).

Other Supporting Information

TUMACACORI NATIONAL MONUMENT

Source II. Headquarters Well; Well # (D-21-13) 30 dca: NPS, Western Region, Water Right Docket #2

(1) Nature of the water right:

A ground water diversion (well).

(2) Source of water:

The source of water is a drilled well of 150 foot depth drilled in 1959. The static water level (in 1959) was 16 feet below land surface datum. This is the present water source for the park, other wells have existed in the past but have been destroyed or abandoned. There are no alternate sources available.

(3) Quantity used:

Park staff report (letter of June 30, 1975) that during an average calendar year the use by the monument was:

1,450,000 gallons in 1969
1,517,000 gallons in 1974

(4) Nature of the Federal interest in the lands:

These lands were in private ownership prior to the establishment of the monument on September 15, 1908.

(5) Communications with the State:

None of record.

(6) Maps and legal description:

The well is located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 30, T21S, R13E.

Tumacacori National Monument

Headquarters Well, ~~(D-21-13) 9-1~~ well # (D-21-13) 30 dca

The sole water source now in use in the monument is the Headquarters Well.

(1) Nature of the water right:

As a result of our preliminary investigation it has been determined that the land on which the monument lies was owned by the State of Arizona prior to Federal acquisition. There appear to have been no filings of record and the only basis for an asserted right is the historical use by the mission and the successive owners.

(2) Source of water:

The source of water is a drilled well of 150 foot depth drilled in 1959. Water level was static at 16 feet below ^{land surface datum} ~~ground level~~ in 1959. This well is the most recent of a series of wells drilled or dug in the mission to supply water. There are no alternate sources available.

(3) Quantity used:

During a calender year the ~~average~~ use by the monument was 1,450,000 gallons in 1969 and 1,517,000 gallons in 1974.

(4) Nature of the Federal interest in lands:

As a result of a preliminary investigation it was determined that the land was owned by the State of Arizona prior to federal acquisition. There appear to have been no filings of record. The monument was proclaimed on Sept. 15, 1908.

(5) Communications with the state:

There appear to have been none. SE 1/4

(6) The well is located in the NE 1/4 SW 1/4 of Section 30, T21S, R13E, ~~(D-21-13) 9-1~~



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

IN REPLY REFER TO

L54-I

Tumacacori National Monument
Tumacacori, Arizona

July 3, 1957

me

Memorandum

To: Regional Director, Region 3
From: Superintendent, Tumacacori
Subject: Federal Claims to Waters of Lower Colorado River
for Federal Intervention in Arizona v. California
et al., Original No. 10 in the Supreme Court

Kell

Paragraphs 4 and 5 of the Assistant Director's
memorandum of June 28 to you requests information from the
Superintendent's concerning area water systems.

Tumacacori National Monument, Arizona

A. Domestic and Public Use, Headquarters.

1. Deep well(ground water) supplies for domestic use
and for irrigation of area landscaping. Depth of well - 72 feet.
Cased with 6" casing to a depth of 55 feet, 17 feet of 4" per-
forated casing. 42" brass double acting pump cylinder. Operated
by a 10" Dayton pump, powered by 1½ HP, 220 volt electric motor.
Pumped into two(2) 525 gallon, each, pressure tanks which distribute
water to residences, visitor center, and grounds hydrants through
1500 feet of 3/4" pipe, and 400 feet of 1" pipe. Pumping capacity
is 18 gallons per minute.

No record in this office of water right application.
Well located in Section 30, T21S, R13E, G&S, R.M., Santa Cruz
River drainage, Santa Cruz County, Arizona.

Ray B. Ringenbach
Superintendent

Docket Information

Number of Documents in Docket 13
Documents Dated from 7/12/1947 to 10/28/1987
Docket Compiled: 6/21/2011