



WATER-RIGHT DOCKET

Saguaro National Park

Docket No: 21

MADRONA PACK BASE WELL

Preliminary Docket Information

05-29-1979: water right/source docket information: madrona pack base well

WATER RESOURCES/WATER RIGHT

DATE: May 29, 1979

WATER RIGHT/SOURCE DOCKET INFORMATION

REGION Western AREA Saguaro National Monument
SITE Madrona Pack BASE Well
STATE Arizona COUNTY Pima DOCKET NO. WR #8
LOCATION NW 1/4 SW 1/4 SE 1/4 Section 4, T15S, R17E, G&SRB&M
REGIONAL BASIN Colorado LOCAL BASIN Santa Cruz
ACQUIRED BY Reservation
APPLICATION _____ PERMIT _____ CERTIFICATE _____
ACTION DUE _____ PRIORITY March 17, 1964 RESERVATION March 11, 1933
QUANTITY _____ USE _____
STATUS Inactive SOURCE Groundwater (well)

REMARKS This narrative is the same as WR #3. Madrona Pack Base is within Hydrologic Basin Unit No. 15050302.

NARRATIVE:

Saguaro National Monument consists of two separate areas, designated Rincon Mountain Unit (the eastern portion) and the Tucson Mountain Unit (the western section). The Rincon Mountain Unit was established by proclamation on March 1, 1933. The Tucson Mountain Unit was similarly created on November 15, 1961.

Madrona Ranger, maintained by the Park Service, was formerly the base facility for the management of the Saguaro backcountry. It is the site of numerous corrals and a ranger residence, as well as maintenance houses. Until 1976 and the establishment of the Rincon Wilderness Area within Saguaro National Monument, Madrona Ranger Station had an undependable water supply and demands usually exceeded the demand for water except during the rainy portions of the year when Chimenea Creek would run. The creek, according to flow data for the years 1957 through 1964, was dry from March to July and from October to November. The Ranger Station and the campground which a decade ago was available to the general public were originally supplied with water from Chimenea Creek by way of gravity flow through a small pipeline diversion system. Thinking that campground use would expand in the future, the Park Service in the late 1950's decided to build a dam across the creek and divert the water to storage tanks near the Station. Plans were drawn up in preparation for filing an Arizona State Water Right Application, for 80,000 gallons per year. This amount was derived by Mr. A. van V. Dunn in conjunction with his testimony in Arizona v. California.

The management of the water supply for Madrona Ranger Station and associated activities evolved in dissimilar ways for a number of years during the 1960's and 1970's. The Park Service apparently abandoned the idea of building a dam in the early 1960's. Instead, it was decided to drill a well, which was completed on March 17, 1964, and drilled to a depth of 255 feet, 30 feet from Chimenea Creek (at the SW 1/4 SE 1/4 section 4). The well was backfilled to 117 feet to adjust the water level to 12 feet below land surface datum. However, it was noticed that well productivity hinged upon the flow of the creek. Tests carried out during the dry season, on June 25-26, at a rate 1.12 gpm for 23 hours, indicated that the well would be inadequate as a water supply during that season. Prior to the test, the water level was 18.46 feet below land surface datum. After nine days of recovery, the water level remained at 23.94 feet below land surface datum. Due to this test result, the Park Service proposed building a storage system to augment the well supply. This was never accomplished.

Compiled by _____ Page 1 of 2

Approved by _____

In 1975, the Monument staff reported that the well was not being used. Due to the access problems caused by a new subdivision being built adjacent to the Monument in this area, campground use by the public had been almost completely stopped. Water for the maintenance of the ranger station and stock areas (during those times when the Creek was dry) was trucked in and placed in a large holding tank. This system of supplying Madrona Ranger Station formed the pattern throughout the latter part of the 1960's and early 1970's.

In 1976, Congress proclaimed the Rincon Wilderness Area, which included the Sonoran Desert foothill area of the southwestern part of the Monument and incorporating Madrona Ranger Station. Although the Ranger station legitimately constitutes an enclave allowing dwellings and other manmade structures in the wilderness area, the current management plan includes the dismantling or at least degrading of the Madrona facility. The ranger residence is no longer utilized year-round by the backcountry ranger, and, consistent with the lowering of the Service personnel visibility in the backcountry, the mule train operation has been severely curtailed. Thus, although there had been much talk previously of supplying Madrona Ranger Station with a more dependable water supply, current uses are in a state of flux and future water demands at Madrona difficult to ascertain.

All diversions and water facilities at the Madrona Ranger Station are located on lands originally withdrawn by the Forest Service as early as 1907, and subsequently made part of the Rincon Unit of Saguaro National Monument on March 1, 1933. Thus, any future discussion on the Park Service water right in Chimenea Creek will be covered by the Reservation Doctrine.

Ernesto L. Molina
May 29, 1979

Filed 11/2/87

For Departmental Use Only

STATEMENT OF CLAIMANT FORM
FOR
OTHER USES¹

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 (Saguaro NM)
Claimant Address: Western Regional Office, P.O. Box 36063 City San Francisco 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: Reserved Water Right Claim
3. Claimed Priority Date: See attachments (month/day/year)
4. Use:
 - A. ☐ Municipal
 - B. ☐ Commercial or Industrial
 - C. ☐ Mining
 - D. ☐ Stockwatering other than from a stockpond
 - E. ☐ Recreation, Fish & Wildlife
 - F. ☒ Other, describe: Reservation purposes. See attachments.
5. Source of Water:
 - A. ☒ Stream: name *, tributary to _____
 - B. ☒ Spring: name *, tributary to _____
 - C. ☐ Lake or Reservoir: name _____, tributary to _____
 - D. ☒ Groundwater *
* See attachments.
6. Legal description of the Point of Diversion: (attach additional sheet if required)
1/4, 1/4, 1/4, Section _____, Township _____, N/S, Range _____, E/W
Reserved portions of Saguaro National Monument. See attachments.
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 ditch, canal or pipeline.
 - C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55- _____
 - D. ☒ Other, describe See attachments.

¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

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

B. ☒ Other, describe: See attachments.

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

County _____

Legal Subdivision _____

Section _____

Township _____

Range _____

_____ N/S _____ E/W

_____ N/S _____ E/W

11. Claimed Right: See attachments.

A. Maximum Flow Rate: _____

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

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

C. Storage Right: _____ acre-feet

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

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

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? Work days (415) 556-1036

15. Attach Filing Fee to Form. Mail form(s) and fee(s) to: Department of Water Resources, P.O. Box 2920, Phoenix, AZ 85062.

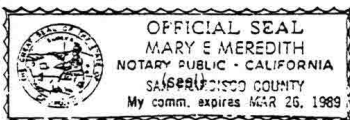
16. Additional comments: _____

(attach additional sheet if required)

17. 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

filed
11/2/87

SUPERIOR COURT OF MARICOPA COUNTY, ARIZONA

IN THE MATTER OF THE APPLICATION OF THE UNITED STATES OF AMERICA FOR
RESERVED AND APPROPRIATED WATER RIGHTS IN THE UPPER SANTA CRUZ RIVER
GENERAL ADJUDICATION.

I. Name and address of Applicant:

United States of America
c/o National Park Service
Western Regional Office
P.O. Box 36063
450 Golden Gate Avenue
San Francisco, CA 94102

II. The United States of America hereby claims water rights in those portions of the National Monuments described below which are encompassed by this adjudication. The United States claims reserved rights under the legislation which designates or enlarges the areas known as Saguaro National Monument and Tumacacori National Monument. The United States further claims additional water rights under state law for whatever purposes might have been added by the designation of portions of Saguaro National Monument as wilderness areas.

A. Saguaro National Monument.

1. Reserved Water Rights. (See Exhibits SAGU #1a and #1b.)

- a. Purpose. To secure favorable conditions of water flow; to preserve objects of scientific interest; to secure the benefits of wilderness; and to provide for the administration of and visitation to the monument. (Exhibits SAGU #2, #3, #4, #5, and #6.)
- b. Sources. All surface and ground water sources including rivers, perennial and intermittent streams, springs, seeps, lakes, pools, tinajas, confined and unconfined aquifers and other natural sources of water on and under lands reserved from the public domain.
- c. Locations of Current Diversions and Uses on Reserved Land.
 - 1) Legal description of the current points of diversion
 - a) Kenner Well -- NW 1/4 SW 1/4 SW 1/4, Section 4, T 15S, R 16E, G&SRB&M.
 - b) Manning Camp Spring -- NE 1/4 SE 1/4 SE 1/4, Section 30, T 14S, R 17E, G&SRB&M.
 - c) Madrona Pack Base Well -- NW 1/4 SW 1/4 SE 1/4, Section 4, T 15S, R 17E, G&SRB&M (Registration No. 55-629099).

- d) Tucson Mountain Park Well -- SW 1/4 SW 1/4 SW 1/4, Section 34, T 13S, R 11E, G&SRB&M (Registration No. 55-629094).
 - e) North Slope-Section 25 Well -- NE 1/4 SE 1/4 NW 1/4, Section 25, T 13S, R 11E, G&SRB&M (Registration No. 55-629097).
 - f) Pictured Rocks Road-Section 7 Well -- NE 1/4 SE 1/4 NW 1/4, Section 7, T 13S, R 12E, G&SRB&M (Registration No. 55-629096).
- 2) Legal description of the current places of use. The legal descriptions listed in II.A.1.c.1) represent the places of use for the listed points of diversion.
 - 3) Current purposes of use. The current purposes of use are those identified in II.A.1.a. above.
 - 4) Water requirements. See II.A.1.e. below.
- d. Dates of Priority. (See Exhibits SAGU #1a and #1b.) July 19, 1907, for lands reserved by Presidential Proclamation No. 27 (Exhibit SAGU #2); April 29, 1929, for lands reserved by Recreational Withdrawal No. 21 (Exhibits SAGU #7 and #8); March 1, 1933, for lands reserved by Presidential Proclamation No. 2032 (Exhibit SAGU #3); November 15, 1961, for lands reserved by Presidential Proclamation No. 3439 (Exhibit SAGU #9); October 20, 1976, for lands reserved by the Act of that date (Exhibit SAGU #6); and October 21, 1976, for lands reserved by the Act of that date (Exhibit SAGU #10).
- e. Amount of Water Claimed:
- 1) Surface and ground water (non-consumptive). The United States of America claims, except as provided in subparagraphs 2) and 3) below, the right to that minimum amount of surface and ground water occurring on and under those portions of Saguaro National Monument reserved from the public domain which is necessary to fulfill the purposes described in II.A.1.a. above as follows. The government will (a) at the time of proof present evidence relating to the minimum amount of water necessary to fulfill such purposes, or (b) in the event recognized under state law, seek a decree of an unquantified reserved right, permitting a general right to enjoin users of a junior priority that may adversely affect or injure the purposes of the reservation, or to enjoin users as otherwise permitted under state law.

- 2) Quantifiable present and future administrative uses (consumptive). The United States of America claims the right to divert and use 19 AF/annum from surface and ground water sources for picnic areas, visitor centers, concessions and other visitor-use areas; park administration facilities, shop, maintenance and storage facilities, ranger stations, entrance stations, visitor contact stations, employee residences, and attendant facilities; lawns surrounding park buildings and structures and other public-use areas to offset heavy human impact; construction of roads and trails; revegetation activities; and waste water treatment facilities.
 - 3) Non-quantifiable present and future administrative uses (consumptive). The United States of America claims the right to use non-quantifiable amounts of water for controlling and suppressing wildfire and structural fires.
2. Appropriative Water Rights. The United States of America claims water rights under Arizona state law for beneficial purposes in Saguaro National Monument as follows (see certificates attached).
 - a. Red Hills Section 36 Well -- Registration No. 55-629095.
 - b. Lockyer Well -- Registration No. 55-629098.
 - c. CCC Well -- Registration No. 55-629100.
 - d. Freeman Drilled Well -- Registration No. 55-629101.
 - e. Freeman Dug Well -- Registration No. 55-629102.
 - f. Genemata Well -- Registration No. 55-629103.
 - g. Old Superintendent's Well -- Registration No. 55-629104.
 - h. Baker Well #2 (Headquarters Supply Well) -- Registration No. 55-629105.
 - i. Headquarters Well No. 2 -- Registration No. 55-629106.
 - j. Greene Well -- Registration No. 55-629107.
- B. Tumacacori National Monument.
1. Appropriative Water Rights. The United States of America claims water rights under Arizona state law for beneficial purposes in Tumacacori National Monument as follows (see certificates attached).

- a. Well No. 1 -- Registration No. 55-629109.
- b. Well No. 2 (Headquarters Well) -- Registration No. 55-629110.
- c. Well No. 3 -- Registration No. 55-629111.

III. Notarized Statement.

I, Patrick Barry, on behalf of the United States of America, National Park Service, the claimant named in this claim, do hereby certify under penalty of perjury, that I have read the information contained and statements made herein and to the best of my knowledge and belief they are true, correct and complete.


PATRICK BARRY
Attorney, Department of Justice

Subscribed and sworn to before me this 2nd day of November, 1987.


Notary Public

My Commission Expires:

11-12-87

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

REGISTRATION OF EXISTING WELLS

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

Registration: The United States gives this
verification to the State in the interest
of equity, and does not concede that the
State has power to regulate the rights of
the United States to the use of water.

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



FOR OFFICE USE ONLY	
REGISTRATION NO. 55-	629099
FILE NO.	D(15-17)4 dcb
FILED	6-9-82 AT 1:30
(DATE)	(TIME)
INA	
AMA	T.S.N.

1. Name of Registrant:

National Park Service, Western Region, Division of Water Resources
450 Golden Gate Avenue, Box 36063, San Francisco, CA 94102
(Address) (City) (State) (Zip)

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

D (15 - 17) 4 uns. dcb 35-
(File Number) (Control Number)

3. a. The well is located within the NW ¼ SW ¼ SE ¼, Section 4, of Township 15 S N/S, Range 17 E E/W, G & SRB & M, in the County of Pima.

b. If in a subdivision: Name of subdivision _____
Lot No. _____, Address _____

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial) Unused

5. If for irrigation use, number of acres irrigated from well _____

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 117 feet
b. Diameter of casing 6.63 inches
c. Depth of casing 117 feet
d. Type of casing Steel, slotted from 10-110 ft. below land surface datum
e. Maximum pump capacity N/A gallons per minute.
f. Depth to water 8.44 feet below land surface.
g. Date well completed March 17, 1964
(Month) (Day) (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
Saguaro National Monument (Rincon Mountain Unit) - Madrona Pack Base Well
Attach additional sheet if necessary.

9. DATE JUN 3 1982 SIGNATURE OF REGISTRANT (Sgd) Gerard S. Witucki

GERARD S. WITUCKI
CHIEF, DIVISION OF WATER RESOURCES

CHANGE OF WELL INFORMATION

Registration Number 55 629099

I request the following information be changed in Well File Number D(15-17)4 del

Date _____, 19____ Signature of Well Owner _____

STATEMENT OF CHANGE OF WELL OWNERSHIP

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

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

Registration #55-_____ File No. _____

Previous Owner _____ New Owner _____

Address _____ Address _____

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

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

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



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

IN REPLY REFER TO:

L54
SAGU

MAY 8 1964

State Land Commissioner
State Land Department
Water Rights Division
State Office Building
Phoenix 7, Arizona

Dear Sir:

We have enclosed as per your requirements copies of the Report of Well Driller for the well at Madrona Pack Base, File No. D(15-17)4 and at the Headquarters Area, File No. D(14-16)31. Both of the wells were drilled at Saguaro National Monument. In addition we are enclosing a copy of Well Logs on each well for your information.

We would appreciate it if you would send us conformed copies of these instruments for our files.

When the Report of Well Driller for the Tucson Mountain Park well is received we will forward it to your office.

Sincerely yours,

Daniel B. Beard
Regional Director

Enclosures

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

IMPORTANT

PLEASE COMPLETE AND RETURN

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER U. S. of America, National Park Service, by Daniel B. Beard, Reg. Dir.
Name
P. O. Box 728, Santa Fe, New Mexico
Address
2. Lessee or Operator _____
Name
Address
3. DRILLER J. R. SHARP
Box 61175 Bisbee, Ariz.
Name
Address
4. Location of well: Twp. 15 S Rge. 17 E Section 4 ☒ NW ☐ SW ☐ SE ☐ NE
10-acre subdivision
5. Intention to Drill File No. D(15-17)4 uns. dcb Permit No. _____

DESCRIPTION OF WELL

6. Total depth of hole. 117 ft.
7. Type of casing. 6 7/8 O.D. x 2.80 wall P.E.
8. Diameter and length of casing 6 in. from 0 to 117 in. from _____ to _____ in. from _____ to _____
9. Method of sealing at reduction points Concrete Plug in bottom
10. Perforated from 10 to 105 from _____ to _____ from _____ to _____ from _____ to _____
11. Size of cuts 1/4" x 6" Number of cuts per foot one every 2 feet
12. If screen was installed: Length _____ ft. Diam. _____ in. Type _____
13. Method of construction drilled (drilled, dug, driven, bored, jetted, etc.)
14. Date started 1-14-64
Month Day Year
15. Date completed 3-17-64
Month Day Year
16. Depth of water 110' ft.
If flowing well, so state.
17. Describe point from which depth measurements were made, and give sea-level elevation if available. Top of Casing.
Elevation is 3450 feet
18. If flowing well, state method of flow regulation _____

19. REMARKS: _____

DO NOT WRITE IN THIS SPACE

OFFICE RECORD

Received 5-11-64 by R
Filed 5-11-64 by R
File No. D(15-17)4 uns. dcb

Recorded 5-11-64

(Well Log to Appear on Reverse Side)

Date 3-30-64

PUMP SALES
SERVICE

WELL DRILLING
PROSPECTS

J. R. Sharp

GENERAL CONTRACTOR
BOX 01175 - PHONE HE 2-4587
BISBEE, ARIZONA

March 31, 1964

Saguaro National Monument
Route 8, Box 350
Tucson, Arizona

Paul A. Judge

Dear Mr. Judge:

Enclosed is the State Land Department Log and four copies of
the well log for your files as you requested.

Well Log

0 - 17' Sand & Boulders
17 - 255 Brecciated Granite Gneiss
117 - 125 Cement & Bentonite Plug
125 - 255 Gravel Fill
12' First Water
0 - 117' 6 5/8 x .280 Wall P.E. Casing
10 - 105' 6" Perforated one slot 1/4 x 6 every 5 feet
105 - 110 Perforated one slot 1/4 x 6 every foot
0 - 110 8 5/8 x .277 Wall P.E. Casing
10 - 100 8" Perforated two slots 3/8 x 3" every foot

Very truly yours,

J.R. SHARP GENERAL CONTRACTOR

Boyce Azbill
Boyce Azbill, Manager



IN REPLY REFER TO:

D5039

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Saguaro National Monument
Route 8, Box 350
Tucson, Arizona

April 24, 1964

RECEIVED	
NPS SOUTHWEST REGIONAL OFFICE	
APR 27 1964	
Regional Director	Surname Date
Operations	4/27
Administration	
Coop. Activities	
Development	
Resource Study	
Files	

*Fields

Memorandum

To: Regional Director, Southwest Region

From: Superintendent, Saguaro

Subject: Contract No. 14-10-0333-1155, Drilling a Water Well at
Madrona and Contract No. 14-10-0333-1156, Drilling a
Water Well at Headquarters

The Release of Claims, well logs, and report of well driller for the
subject contracts are enclosed.

Paul A. Judge
Paul A. Judge

Enclosures

*Rec'd w/ memo to asst. Dir. S. Attn: Chief, BWR from
Super. Hyd Eng SBC, memo. dated July 28, 1966 D5039*

To: Geology Branch, U.S. Bureau of Reclamation
From: Water Division, State Land Office
Subject: Well drilling permits

File No. D(15-17)4 uns. dcb

Name U. S. of America, National Park Service
by Daniel B. Beard, Regional Director
Address P. O. Box 728, Santa Fe, New Mexico 87501

Proposed depth _____ feet. New well ☐ Deepening ☐

This card to be posted on or nearby the well rig during drilling operations.

State of Arizona
EXEMPTED WELL

NOTICE OF INTENTION TO DRILL AN EXEMPTED WELL HAS
BEEN FILED WITH THE STATE LAND COMMISSIONER BY
U. S. OF AMERICA, NATIONAL PARK SERVICE, by Reg. Director-Santa Fe, New Mexico

FOR PURPOSES OTHER THAN IRRIGATION OF AGRICUL-
TURAL LAND. WELL TO BE LOCATED IN
TWP. 15 South RGE. 17 East SEC. 4 Uns. NW 1/4 SW 1/4 SE 1/4

SEAL

WD FORM G-308 Expires 2/19/65

Louis C. Duncan
DEPUTY STATE LAND COMMISSIONER

STATE LAND DEPARTMENT
Water Division
Phoenix 7, Arizona

IMPORTANT

PLEASE COMPLETE AND RETURN

Location of Well

NORTH

WEST

EAST

SOUTH

(Indicate Well Location
by a circle "o" in the
above Section Plat)

File No. D(15-17)4 uns. dcb

REPORT OF EQUIPMENT INSTALLED

OWNER _____

LOCATION OF WELL:

✓ 1/4 1/4 1/4, Sec. _____ Twp. _____ Rge. _____

Date Well Completed: _____ Depth _____

1. Well Test:

Discharge: _____ Date Well Tested: _____
(Gal. Per Min.)

Method of Discharge Measurement: _____
(weir, orifice, current meter, etc.)

Static Water Level: _____ ft. Drawdown _____ ft.

Total Pumping Lift _____ ft.

2. Equipment Installed:

Kind of Pump: _____
(turbine, centrifugal, etc.)

Kind of Power: _____ H. P. Rating of Motor _____
(Elec., Nat. Gas, Etc.)

I HEREBY CERTIFY that all the above statements are true to the best of my knowledge and belief.

Signature _____

Date _____, 19____.

Address _____

WD Form G-306
10-57

Laboratory Number 85748

Book 46

Page 2

Date Analyzed 3/25/64

AC- 1

THE UNIVERSITY OF ARIZONA
 AGRICULTURAL EXPERIMENT STATION
 DEPARTMENT OF AGRICULTURAL CHEMISTRY AND SOILS
 TUCSON, ARIZONA

WATER SAMPLE

1. Name of Owner Salguaro Nat Mont
2. Name of Collector E. F. Pashley U.S.G.S Tucson Pima
3. Source: Well, spring or surface water Well
4. IMPORTANT: Location of sampling SE 1/4 SEC 4 TWP 15S R 17E
5. Geographic location Rincon Valley Madrona R.S.
6. Depth of well 115' Depth to Water Level 5'
7. Use: Domestic, Stock or irrigation Domestic
8. Reason for requesting a chemical analysis _____

9. Analyses:

FIELD No.	Rincon Valley
Lab. No .	85748
Soluble Salts	156 ppm .28
Calcium	31 ppm
Magnesium	1 ppm
Sodium	18 ppm
Chloride	12 ppm
Sulfate	36 ppm
Carbonate	24 ppm
Bicarbonate	34 ppm
Fluoride	.6 ppm
Nitrate No3	0 ppm
Nitrogen	0 # A FT.
Sodium Calcium	.58 Ratio
Hardness	4.9
Sodium	31.4 %

10. Comments & Recommendation

Fresh cement plug in the well probably

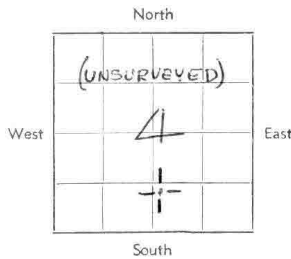
produces the high carbenate content and increases the hardness shown on
 this analysis.

Analyst Corrie

W.D. FORM NO. G-300
REV. 5-20-57-6-58LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

NOTICE OF INTENTION TO DRILL WELL

This notice required under the provisions of Section 45-305, Arizona Revised Statutes by any person proposing to drill an irrigation or drainage well having a capacity of more than 100 gal. per min. outside of a critical area, or for the drilling of any well for the development and use of ground water both within and without a critical water area where a permit to drill is not required.

LOCATION OF
PROPOSED WELL

Indicate Well Location by Circle
(Above diagram represents one full section)

1. Twp. 15S
2. Rge. 17E
3. Section Unsurveyed (Sec 4)
4. -----NW 1/4 SW 1/4 SE 1/4
10-acre subdivision

INSTRUCTIONS

Fill out both copies and mail to Water Division, State Land Department, Phoenix, Arizona.

Duplicate will be returned to landowner, lessee or Government land entryman together with a card for the well driller.

DESCRIPTION OF
PROPOSED WELL

5. Diameter 8 in. depth 250' ft.
6. Type of casing Steel
7. Estimated depth to water Unknown ft.
8. Proposed use Domestic
9. Location of nearest operating irrigation well Unknown
10. Drilling will start about Jan. 1964
Month Year
11. Driller J. R. Sharp
Name
P.O. Box 01175, Bisbee, Arizona
Address
12. Water will be applied to use about August 1964
Month Year

20. This notice filed by:

Check one { Owner ☒
 Lessee ☐
 Entryman ☐
 U.S. of America, National Park Serv.
 Regional Director
 P.O. Box 728, Santa Fe, N.M.
 Address 87501

PLACE OF
PROPOSED USE

13. Twp. 15S.
14. Rge. 17E
15. Section Unsurveyed
16. -----
Legal Description of Portion of Section to be Irrigated
17. Acres -----
United States of America
18. Owner National Park Service
Name
P.O. Box 728
19. Santa Fe, New Mexico 87501
Address

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 2-15-64 By K

Filed 2-19-64 By K

Duplicate

Mailed 2-19-64 By K

File Number D(15-17)4 uns
dec b

3126



2259

OBED M. LASSEN
STATE LAND COMMISSIONER
PHONE 271-4621

STATE LAND DEPARTMENT

STATE OF ARIZONA
STATE OFFICE BUILDING
PHOENIX 7, ARIZONA

RECEIVED	
NPS SOUTH-WEST REGIONAL OFFICE	
FEB 24 1964	
	Date
Regional Director	
Cons., Interp & Use	
Administration	
Planning	
Public Affairs	
Program Coord.	
Operations	
Concessions	
Natural History	
Historic & Archaeology	
Ranger Service	



February 19, 1964

U. S. of America, National Park Service
by Daniel B. Beard, Regional Director
P. O. Box 728
Santa Fe, New Mexico 87501

File No. D(15-17)4 uns. del

Dear Sir:

This copy of Notice of Intention to Drill Well in Twp. 15 South , Rge. 17 East ,
Section 4 Uns. , NW 1/4 SW 1/4 SE 1/4, is returned to you for your file. Also
enclosed are a:

WELL DRILLING CARD, which should be in the hands of the driller
before construction of the well is started;

REPORT OF WELL DRILLER form, which may be filled in by the
driller but which you should make sure is mailed to us after
completion of the well;

REPORT OF EQUIPMENT INSTALLED form, which shall be filled
in by you and sent to us after the installation of the pumping
equipment.

In the event it is necessary to change the location of the proposed well, you should
obtain the written permission of the State Land Commissioner before proceeding
with the drilling.

Very truly yours,

WATER DIVISION

By *F. C. Ryan*
F. C. Ryan, Supervisor

cc: USGS, Tucson
5-5-59

This card to be posted on or nearby the well rig during drilling operations.

State of Arizona
EXEMPTED WELL

NOTICE OF INTENTION TO DRILL AN EXEMPTED WELL HAS
BEEN FILED WITH THE STATE LAND COMMISSIONER BY

U. S. OF AMERICA, NATIONAL PARK SERVICE, by Reg. Director-Santa Fe, New Mexico

FOR PURPOSES OTHER THAN IRRIGATION OF AGRICUL-
TURAL LAND. WELL TO BE LOCATED IN

TWP. 15 South RGE. 17 East SEC. 4 Uns. NW 1/4 SW 1/4 SE 1/4

S E A L

WD FORM G-308 Expires 2/19/65

Louis C. Union
DEPUTY STATE LAND COMMISSIONER

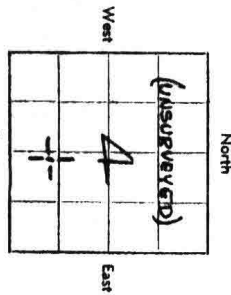
W.D. FORM NO. 9-300
REV. 9-20-57-8-68

NOTICE OF INTENTION TO DRILL WELL

This notice required under the provisions of Section 45-305, Arizona Revised Statutes by any person proposing to drill an irrigation or drainage well having a capacity of more than 100 gal. per min. outside of a critical area, or for the drilling of any well for the development and use of ground water both within and without a critical water area where a permit to drill is not required.

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

LOCATION OF PROPOSED WELL



DESCRIPTION OF PROPOSED WELL

5. Diameter 8 in. depth 250' ft.
6. Type of casing Steel
7. Estimated depth to water unknown ft.
8. Proposed use Domestic
9. Location of nearest operating irrigation well unknown
10. Drilling will start about Jan. 1968
11. Driller J. B. Sharp
Name P.O. Box 61175, Phoenix, Arizona

PLACE OF PROPOSED USE

13. Twp. 15S.
14. Rge. 27E
15. Section unsurveyed
16. unknown
Legal Description of Portion of Section to be irrigated
17. Acres unsurveyed
United States of America
18. Owner National Park Service
Name P.O. Box 728
19. Santa Fe, New Mexico 87502
Address

1. Twp. 15S
2. Rge. 27E
3. Section unsurveyed (Sec 4)
4. 1/4 NW 1/4 SE 1/4
10-acre subdivision

INSTRUCTIONS

Fill out both copies and mail to Water Division, State Land Department, Phoenix, Arizona.
Duplicate will be returned to landowner, lessee or Government land entryman together with a card for the well driller.

12. Water will be applied to use about August 1968
Month Year
20. This notice filed by:
Check one ☒ Owner ☐ Lessee
U.S. of America, National Park Service
National Park Service
P.O. Box 728, Santa Fe, N.M.
Address 87501

DO NOT WRITE IN THIS SPACE OFFICE RECORD

Received 2-18-64 By W
Filed 2-19-64 By W
Duplicate
Mailed 2-19-64 By W
File Number D(15-17)4 unad
ack

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * T = A D M * Entry No 256 # * Depth to Top 91 = * Depth to Bottom 92 = *

add, delete, modify

Unit Identifier 93 = * Lithology 96 = * Lithologic Modifier 97 = *

AQUIFER DATA (2)

R = 94 * T = A D M * add, delete, modify

Geohydrologic Unit Entry No 256 # *

Date 95 # / / *
month day year

Water Level 126 = * *

% Water Contributed 132 = *

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * T = A D M * Entry No 256 # * Depth to Top 91 = * Depth to Bottom 92 = *

add, delete, modify

Unit Identifier 93 = * Lithology 96 = * Lithologic Modifier 97 = *

AQUIFER DATA (2)

R = 94 * T = A D M * add, delete, modify

Geohydrologic Unit Entry No 256 # *

Date 95 # / / *
month day year

Water Level 126 = * *

% Water Contributed 132 = *

PERTINENT REMARKS

R = 183 * T = A * 185 = \ / *

add

New Card Same R&T

185 = \ / *

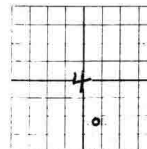
185 = \ / *

NOTES:

This site was abandoned because of its low yield and poor water quality.

W. Reed
6/15/81

SAGU
Docket # 8



Saguaro NM
(D-15-17) 4 dcb
Madrona Pack Base Well
Docket # 8



Looking east, well casing stands in left foreground;
power line runs to Madrona "Ranger Station" complex.

W. Reed
5/19/81

~~Weaver~~

Fields *WEP*

**SAN FRANCISCO PLANNING AND SERVICE CENTER
Office of Land and Water Rights
450 Golden Gate Avenue, Box 36063
San Francisco, California 94102**

L54 LNSSC

NR#8 - SAGU

January 24, 1967

Memorandum

**To: Assistant Director Specialized Services
Attention: Chief, Branch of Water Resources**

From: Acting Supervisory Hydraulic Engineer

Subject: Release of Claims - Docket No. 8 - Saguaro National Monument

Enclosed is a copy of the Release of Claims dated April 10, 1964, signed by Driller J. R. Sharp, for the water well at Madrona Ranger Station in the subject area.

We have inserted this in Docket No. 8, Saguaro, and by copy of this memorandum are sending it to the Superintendent, Saguaro for insertion in his docket.

William E. Fields

cc:

Supt., Saguaro w/enc.

RW/ep: 1-24-67

IN OF CHIMENEIA CREEK AT WELL SI

Madrona Ranger Station

	<u>1957</u>	<u>1958</u>	<u>1959</u>
Jan.	Flowing	Flowing	Almost Dry
Feb.	Probably Flowing	Flowing	Probably Flowing
Mar.	Flowing	Flowing	Flowing Lightly
Apr.	Flowing	Flowing	Probably Flowing
May	Probably Drying Up	Flowing	Dry
June	Dry	Probably Dry	Dry
July	Dry	Probably Dry	Probably Dry
August	Flowing	Flowing	Flowing
September	Decreasing Flow	Probably Flowing	Flowing
October	Probably Flowed Part of Month	Flowing	Probably dry- ing Up
November	Flowing	Probably Flowing	Probably flowing slightly
December	Flowing	Flowing	Probably Flowing well
Estimated Rainfall at Madrona Elev.	17"	16"	11"

FLOW OF CHIMENEIA CREEK AT WELL SITE

Madrona Ranger Station

	<u>1960</u>	<u>Precip.</u>	<u>1961</u>	<u>Precip.</u>
Jan.	Flowing heavily	2.50	Flowing heavily	1.00
February	Flowing	.80	Probably flowing	No rain
March	Probably flowing	.20	Probably drying up	.50
April	Probably drying up	No rain	Probably dry	No rain
May	Probably dry	No rain	Dry	No rain
June	Probably dry	.20	Dry	No rain
July	Probably dry	1.00	Probably dry	3.50
August	Probably dry	1.00	Probably flowing	3.00
September	Probably dry	.80	Probably flowing	.55
October	Probably dry	.70	Probably dry	.85
November	Probably dry	.10	Probably dry	.50
December	Probably dry	.70	Probably flowing	2.10
		<u>8"</u>		<u>12"</u>

some minor flow likely

FLOW OF CHIDMENEA CREEK AT WELL SITE

Madrona Ranger Station

	<u>1962</u>	<u>Precip.</u>	<u>1963</u>	<u>Precip.</u>
January	Probably flowing	1.51	Flowing heavily	1.40
February	Probably flowing	.46	Flowing heavily	1.50
March	Probably drying up	.64	Flowing	1.00
April	Probably dry	No rain	Flowing	.30
May	Probably dry	No rain	Probably drying up	No rain
June	Probably dry	No rain	Dry	No rain
July	Probably dry	2.16	Probably dry	2.00
August	Some minor flow	.69	Flowing heavily	6.50
September	Probably flowing	3.53	Decreasing flow	.80
October	Dry	.20	Very little flow	.40
November	Dry	.43	Flowing late in month	1.90
December	Probably flowing	<u>1.38</u> <u>11"</u>	Reduced flow	<u>.20</u> <u>16"</u>
	<u>1964</u>	<u>Precip.</u>		
January	Flowing	.53		
February	Decreasing flow	.50		
March	Flowing	.80		
April	Very little flow	.80		
May	Drying up	No rain		
June	Dry	No rain		
July	Dry	3.74		
August	Flowing heavily	good rains		
September				
October				
November				
December				



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 4070
Tucson, Arizona, 85717

IN REPLY REFER TO:

Water Resources
Division

RECEIVED	
NPS SOUTHWEST REGIONAL OFFICE	
OCT 15 1964	
Regional Director	Surname
Operations	
Administration	
Coop. Act. W. R.	
Development	
Research	
wey act 10/16	
Files	

October 13, 1964

MEMORANDUM

To: Assistant Regional Director, National Park Service,
Southwest Region, P.O. Box 728, Santa Fe, New Mexico

From: District Chief, WRD, Tucson, Ariz.

Subject: USGS report on well drilling at Madrona Ranger Station
Reply by E. F. Pashley to E. W. Reed's comments of
July 27, 1964

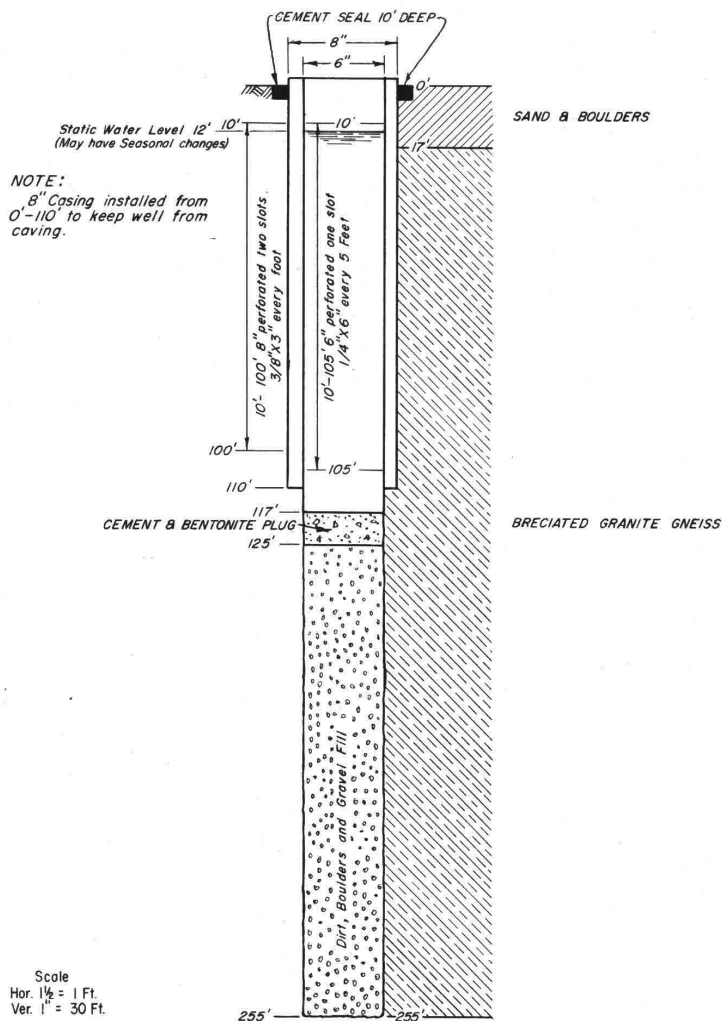
The bedrock encountered at Madrona Ranger Station was gneiss.

When the water level in the well stood at a depth of 157 feet, Pashley knew only that the fractures extended down to a depth of 157 feet, but suspected they might extend up to the 110 foot level. The driller was instructed to backfill the well gradually and to stop when the water level stabilized or recovered to approximately 12 feet from the surface (the water level in the adjacent shallow well). This occurred when the well was backfilled to 125 feet from the surface, thus indicating the leaking fractures were present in the 125-157 foot interval.

H. M. Babcock

For H. M. Babcock
District Chief

L S 4 Bagu



WELL LOG

Madrona Pack Base Well - File No. D(15-17)4

Started January 14, 1964 & Completed March 17, 1964

By J. R. Sharp

SAGUARO NATIONAL MONUMENT

BASIC DATA: Report of Well Driller J. R. Sharp
5/11/64. By C. Arquero 5/22/64.

NM-SAG-7112

Other Supporting Information



IN REPLY REFER TO:

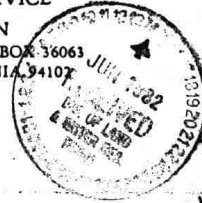
United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 36063
SAN FRANCISCO, CALIFORNIA 94107

JUN 9 '82



Rocky Mountain Regional Office	Initial & Date
Regional Director	156/10
Deputy Regional Director	
Administration	
Park Operations	ML
Plan & Resource Pres.	
Coop Prog	
Communications & P.A.	
EEO	
Oper Eval	
Action Taken	

L54 (WR-RNW)

June 4, 1982

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

Reference: Arizona Groundwater Management Act
(1980), A.R.S. 45-593

Dear Mr. Steiner:

Enclosed are the completed well registration forms for existing wells within the State of Arizona owned by the United States Government, Department of the Interior, National Park Service, Western Region. These forms have been completed for the following areas: Casa Grande National Monument (1 well), Chiricahua National Monument (8 wells), Coronado National Memorial (6 wells), Fort Bowie National Historic Site (1 well), Grand Canyon National Park (no wells), Lake Mead National Recreation Area (14 wells), Montezuma Castle National Monument (3 wells), Organ Pipe Cactus National Monument (21 wells), Petrified Forest National Park (3 wells), Saguaro National Monument (14 wells), Tonto National Monument (1 well), Tumacacori National Monument (3 wells), Tuzigoot National Monument (1 well), and Walnut Canyon National Monument (1 well). The location of these National Park Service areas are shown on the enclosed map (in red).

Of the total 77 wells being registered, 12 wells have a pump capacity exceeding 35 gallons per minute and therefore payment in the amount of \$120.00 (\$10.00 X 12) will be forwarded to your office by the U.S. Treasury Department under separate cover as the registration fee for these non-exempt wells.

If there are any questions with regards to this matter, or if we can be of further assistance, please contact Gerard S. Witucki, Chief, Division of Water Resources, (415) 556-8660, of this Office.

Sincerely yours,

FOR John E. Cherry

Howard H. Chapman
Regional Director, Western Region

Enclosures

See attached sheet for bcc's

bcc's sent to:

Superintendent, Casa Grande, w/respective encls., w/blank form & w/o map
Superintendent, Chiricahua/Fort Bowie, w/respective encls., w/blank form & w/o map
Superintendent, Coronado, w/respective encls., w/blank form & w/o map
Superintendent, Grand Canyon, w/o encls.
Superintendent, Lake Mead, w/respective encls., w/blank form & w/o map
Superintendent, Montezuma Castle/Tuzigoot, w/respective encls., w/blank form & w/o map
Superintendent, Organ Pipe Cactus, w/respective encls., w/blank form & w/o map
Superintendent, Petrified Forest, w/respective encls., w/blank form & w/o map
Superintendent, Saguaro, w/respective encls., w/blank form & w/o map
Superintendent, Tonto, w/respective encls., w/blank form & w/o map
Superintendent, Tumacacori, w/respective encls., w/blank form & w/o map
Superintendent, Walnut Canyon, w/respective encls., w/blank form & w/o map
General Superintendent, Southern Arizona Group, w/respective encls., w/blank form & w/o map
Field Solicitor, San Francisco Office - Attn: J. Burke, w/encls. & w/blank form
Field Solicitor, Phoenix Office - Attn: W. Swan, w/map, w/blank form & w/example of
completed form
Regional Director, Rocky Mountain Region - Attn: W. McKeel, w/map, w/blank form &
w/example of completed form
Regional Director, Southwest Region - Attn: G. Moore, w/map, w/blank form & w/example
of completed form
(WR)AF, w/SF 1034, w/o encls.



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 36063
SAN FRANCISCO, CALIFORNIA 94102

L54 (RNW)

April 20, 1982

Memorandum

To: All Superintendents, Arizona Areas, Western Region

From: ~~ACTING~~ Regional Director, Western Region

Subject: Arizona Groundwater Management Act, required filings

In compliance with the Arizona Groundwater Management Act of 1980, we are required to register all existing wells within the State on or before June 12, 1982, see enclosure.

The Field Solicitor's Office has advised us that registration of existing wells on National Park Service lands should be made either as a matter of comity, in the case of Federal reserved water rights, or as a matter of compliance with Arizona State law, in the case of Federal non-reserved water rights.

The Division of Water Resources has begun to compile the necessary information for the filings, and in the process may be contacting your offices for further information. They will submit this material to the State.

Information which you feel the Division of Water Resources may not have, concerning recently changed well conditions, pump capacities, etc., should be relayed as soon as possible to the Division of Water Resources at 556-8660.

If you have any questions concerning the well registration requirements, please do not hesitate to contact Mr. Witucki and his staff.

W. Bruce White

Enclosure

cc:
General Superintendent, SOAR



UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
SAN FRANCISCO FIELD OFFICE
450 GOLDEN GATE AVENUE, BOX 36064
SAN FRANCISCO, CALIFORNIA 94102
April 9, 1982

Memorandum

To: Regional Director, Western Region, National Park Service
From: Field Solicitor, San Francisco
Subject: Arizona Groundwater Management Act; Required Filings

This memorandum is a follow-up to several conversations which our office has had with members of your Water Resources Division on compliance with Arizona's Groundwater Management Act (1980). This act requires, inter alia, that all existing wells be registered with the State on or before June 12, 1982. ARS 45-593. While there is a legitimate question as to whether or not this provision applies to wells on Federal lands, the Department has taken the position that as a matter of comity, it will file notices of Federal reserved water rights with appropriate state agencies. See memorandum dated February 29, 1980, from Deputy Solicitor to Assistant Secretaries, Fish and Wildlife and Parks, and Land and Water Resources, "Guidance from the Department of Justice on Water Rights Filings." For Federal non-reserved water rights, the Department has taken the position that there is insufficient legal basis for the assertion of these rights and that State water law, both substantive and procedural, must be followed for claiming or asserting this type of water right. See memorandum dated September 11, 1981, from Solicitor to Secretary, "Non-Reserved Water Rights -- United States Compliance with State Law."

The consequence of the foregoing memoranda is that registration of existing wells on NPS lands should be made with the State before the June 1982 deadline either as a matter of comity or as a matter of procedural and substantive compliance with Arizona State law.

If our office can be of assistance in this matter, please do not hesitate to contact us.

Ralph G. Mihan
Field Solicitor

John W. Burke
John W. Burke, III
For the Field Solicitor

State of Arizona
DEPARTMENT OF WATER RESOURCES
 99 E. Virginia Avenue, Phoenix, Arizona 85004

RECEIVED	
BUREAU OF WATER RESOURCES	
1982	
DATE	TIME
10/27	10:27
January 4, 1982	
PA	
MC	
EL	
PS	
WDM	

Dear Well Owner:

Arizona's new Groundwater Management Act requires that all existing wells, regardless of size, be registered with the Department of Water Resources by June 14, 1982. An existing well is one that was drilled prior to June 12, 1980, and which has not been abandoned or sealed. Included are wells which were not completed by June 12, 1980, even though a Notice of Intent to Drill was filed with the Department.

For your convenience, enclosed are the registration forms and the information from your well file. If the information is still correct, simply transfer it to the new form. If the information needs to be updated, please do so on these forms. Be sure to file all forms in duplicate so we can return one copy to you.

There is no fee to register "exempt" wells with a pump capacity not exceeding 35 gallons per minute. "Non-exempt" wells, those with a pump capacity greater than 35 gallons per minute, cost \$10 each to register.

If you own additional wells for which we did not provide data, we probably do not have those wells in our records, or they are filed under another name. In the event you no longer own the well, please forward this information to the new owner.

If you have any questions about well registration, feel free to call us at 255-1546. The toll free number in Arizona is 1-800-352-5464.

Thank you for your cooperation.

Sincerely,

W. Don Maughan
 W. Don Maughan
 Deputy Director

WDM/CLL/
 Enclosure

Think Conservation!

Office of Director 255-1554

Administration 255-1550, Water Resources and Flood Control Planning 255-1566, Dam Safety 255-1541,
 Flood Warning Office 255-1548, Water Rights Administration 255-1581, Hydrology 255-1586.

D5039 SW

October 24, 1966

L54-SIN #8

Memorandum

To: Supervisory Hydraulic Engineer, SSC
From: Chief, Branch of Water Resources
Subject: Madrona Pack Base, Saguaro

This will bring you up to date on the above subject which I mentioned briefly during your recent visit.

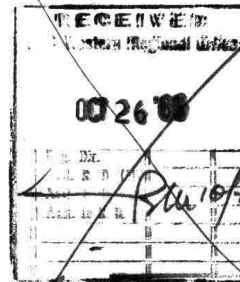
To summarize what has happened so far:

The Regional Office has suggested an extension of the monument boundary south of the Madrona Pack Base, because of possible subdivision activities, the increased use of the Base, and the lack of water supply at the Base. This suggestion was forwarded to the Planning people here, and Mr. Jim Howe came to me to find out about the water supply.

As you know, a well was drilled at the Madrona Pack Base in 1964, that was fine while the nearby stream was flowing but dried up when the streamflow ceased. The well was drilled on the basis of a report by the then District Geologist Dennis, U. S. Geological Survey who recognized the possibility of an unsuccessful well and suggested an alternate site about three-fourths of a mile south, outside the boundary. A copy of his report is enclosed. The alternate site was not drilled.

The possibility of moving the Base to section 11 or 14 was raised and on the basis of the map in the Dennis report, a well within the monument seemed possible so I wrote to District Chief Babcock asking for his expert opinion. A copy of his reply is enclosed and one has been given to Mr. Howe.

The matter will be referred to Chief Resource Planning Merrick Smith in SSC. Of course, more than a water supply is involved and if it comes to the point that a test well is needed, Mr. Smith



RECEIVED
NPS SOUTHWEST
NOV 1 - 1966

Regional Dir.	
Admin.	
Adm. Serv.	
Coop. Act.	
Developm.	
Resource	

1 Field
File: W274/3

L54 Sagu

presumably will get in touch with you directly.

This is how things stand at the moment, and the next move will be at SSC.

(Signed)

E. W. Reed

Enclosure

cc:

Superintendent, Saguero, w/c enc.
Regional Director, Western, w/c enc.
Chief, BWS, SSC, w/c enc.

SW



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON, D.C. 20240

AUG 9 1966



IN REPLY REFER TO:

L54-SLWW

[illegible]

Memorandum

To: Chief, Office of Land and Water Rights, SSC
Attention: Mr. Manuel Morris

From: Chief, Branch of Water Resources

Subject: Water Right Docket No. 8, Saguaro, New Mexico

By memorandum of July 28, you transmitted material for inclusion in the subject docket.

The well logs and report of well driller were not enclosed. However, copies were included in the docket assembly which was distributed by Mr. Fields on May 28, 1964. Although not mentioned in your memorandum there is enclosed a report of equipment installed which has not been filled in. Does the "Notice of Intention To Drill An Exempted Well" constitute the document cited in your memorandum as "Release of Claims"? Also what concern does the Bureau of Reclamation have in this matter and of what docket value are the copies of the State's memorandum to the Bureau and the addressed envelope?

E. W. Reed

cc:
Regional Director, Southwest
Superintendent, Saguaro

**SAN FRANCISCO PLANNING AND SERVICE CENTER
Office of Land and Water Rights
450 Golden Gate Avenue, Box 36063
San Francisco, California 94102
July 28, 1966**


Morris

LS4 LWSSC
WR#8-SAGU

Memorandum

**To: Assistant Director Specialized Services
Attention: Chief, Branch of Water Resources**

From: Supervisory Hydraulic Engineer, LWSSC

Subject: Water Right Docket No. 8, Saguaro NM

**Please insert the enclosed Release of Claims, Well Logs, Report of
Well Driller and the Water Quality Analysis from the new Madrona
Ranger Station in the subject docket.**

**By copy of this memorandum the Superintendent, Saguaro, is being
instructed to do the same.**

(Sgd) MANUEL MORRIS

Manuel Morris

Enclosures

**cc:
Supt., Saguaro, w/encs.**

**bc:
Hydraulic Engineer, Santa Fe**

PMoore



IN REPLY REFER TO:

L54

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
SAN FRANCISCO PLANNING AND SERVICE CENTER

Office of Land and Water Rights
P. O. Box 728
Santa Fe, New Mexico
87501

JUL 1 8 1966



Memorandum

To: Supervisory Hydraulic Engineer, SSC

From: Hydraulic Engineer, SSC, Santa Fe

Subject: Docket No. 8, Madrona Pack Base, Saguaro

Enclosed for insertion in the subject docket are the Water Quality Analyses from the new Madrona Ranger Station well located at Saguaro National Monument.

We are also transmitting the Release of Claims, Well Logs and Report of Well Driller for insertion in this docket.

By copy of this memorandum we are inserting this material in our docket file and forwarding sufficient copies for transmittal to the Washington office, the Superintendent, Saguaro and WODC for their files.

William E. Fields
William E. Fields

Enclosures



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Saguaro National Monument
Route 8, Box 350
Tucson, Arizona

IN REPLY REFER TO:

D5039

April 24, 1964

RECEIVED	
NPS SOUTHWEST REGIONAL OFFICE	
APR 27 1964	
Surrogate	Date
Regional Director	
Operations	
Administration	4/27
Coop. Activities	
Development	
Resource Studies	
*Fields	

Memorandum

To: Regional Director, Southwest Region

From: Superintendent, Saguaro

Subject: Contract No. 14-10-0333-1155, Drilling a Water Well at
Madrona and Contract No. 14-10-0333-1156, Drilling a
Water Well at Headquarters

The Release of Claims, well logs, and report of well driller for the
subject contracts are enclosed.

Paul A. Judge
Paul A. Judge

Enclosures

D5039 *Sag*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
903 NORTH SECOND ST.
PHOENIX, ARIZONA

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR

GEOLOGY BRANCH
U.S. BUREAU OF RECLAMATION
PHOENIX DEVELOPMENT OFFICE
903 NORTH SECOND ST.
PHOENIX, ARIZONA

To: Geology Branch, U.S. Bureau of Reclamation
From: Water Division, State Land Office
Subject: Well drilling permits

File No. D(15-17)4 uns. dcb

Name U. S. of America, National Park Service
by Daniel B. Beard, Regional Director
Address P. O. Box 728, Santa Fe, New Mexico 87501

Proposed depth _____ feet. New well ☐ Deepening ☐

This card to be posted on or nearby the well rig during drilling operations.

State of Arizona
EXEMPTED WELL

NOTICE OF INTENTION TO DRILL AN EXEMPTED WELL HAS
BEEN FILED WITH THE STATE LAND COMMISSIONER BY
U. S. OF AMERICA, NATIONAL PARK SERVICE, by Reg. Director-Santa Fe, New Mexico

FOR PURPOSES OTHER THAN IRRIGATION OF AGRICUL-
TURAL LAND. WELL TO BE LOCATED IN

TWP. 15 South RGE. 17 East SEC. 4 Uns. NW 1/4 SW 1/4 SE 1/4

SEAL
WD FORM G-308 Expires 2/19/65

Louis C. Tuncon
DEPUTY STATE LAND COMMISSIONER

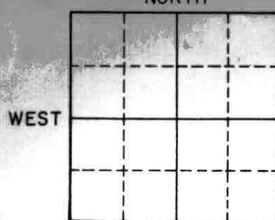
STATE LAND DEPARTMENT
Water Division
Phoenix 7, Arizona

IMPORTANT

PLEASE COMPLETE AND RETURN

Location of Well

NORTH



(Indicate Well Location
by a circle "o" in the
above Section Plat)

File No. D(15-17)4 uns. dcb

REPORT OF EQUIPMENT INSTALLED

OWNER _____

LOCATION OF WELL:

✓ 1/4 1/4 1/4, Sec. _____ Twp. _____ Rge. _____

Date Well Completed: _____ Depth _____

1. Well Test:Discharge: _____ Date Well Tested: _____
(Gal. Per Min.)Method of Discharge Measurement: _____
(weir, orifice, current meter, etc.)

Static Water Level: _____ ft. Drawdown _____ ft.

Total Pumping Lift _____ ft.

2. Equipment Installed:Kind of Pump: _____
(turbine, centrifugal, etc.)Kind of Power: _____ H. P. Rating of Motor _____
(Elec., Nat. Gas, Etc.)

I HEREBY CERTIFY that all the above statements are true to the best of my
knowledge and belief.

Signature

Date _____, 19____.

Address

WD Form G-306
10-57

Laboratory Number 85748 Book 46 Page 2 Date Answered 3/25/64 AC- 1

THE UNIVERSITY OF ARIZONA
 AGRICULTURAL EXPERIMENT STATION
 DEPARTMENT OF AGRICULTURAL CHEMISTRY AND SOILS
 TUCSON, ARIZONA

WATER SAMPLE

1. Name of Owner Saguaro Nat Mont
2. Name of Collector E. F. Pashley U.S.G.S Tucson Pima
3. Source: Well, spring or surface water Well
4. IMPORTANT: Location of sampling SE 1 SEC 4 TWP 15S R 17E
5. Geographic location Rincon Valley Madrona R.S.
6. Depth of well 115' Depth to Water Level 5'
7. Use: Domestic, Stock or irrigation Domestic
8. Reason for requesting a chemical analysis _____

9. Analyses:

FIELD No.	Rincon Valley
Lab. No .	85748
Soluble Salts	156 ppm .28
Calcium	31 ppm
Magnesium	1 ppm
Sodium	18 ppm
Chloride	12 ppm
Sulfate	36 ppm
Carbonate	24 ppm
Bicarbonate	34 ppm
Fluoride	.6 ppm
Nitrate No3	0 ppm
Nitrogen	0 # A FT.
Sodium Calcium	.58 Ratio
Hardness	4.9
Sodium	31.4 %

10. Comments & Recommendation Fresh cement plug in the well probably produces the high carbenate content and increases the hardness shown on this analysis.

Analyst Corrie

44-1-23-64

SAGUARO

Southwest Region
Santa Fe, New Mexico

WRCOPY

JAN 16 1964

Mr. Obed M. Lassen
State Land Commissioner
State Land Department
Capitol Annex Building
Phoenix, Arizona

Dear Sir:

We are about to begin construction of three test wells for water supply at Saguaro National Monument. Two of these will be at Saguaro proper and the other will be at Tucson Mountain Park. The physical characteristics of these wells are as follows:

1. Headquarters Well - located in Section 31, Township 14S., Range 16E., G.A.S.R.M., 8" bore with expected depth of 350' and expected yield of 10 g.p.m.
2. Marana Park Base Well - located in Section 4, Township 15S., Range 17E., G.A.S.R.M., 8" bore with expected depth of 250' and expected yield of 10 g.p.m.
3. Tucson Mountain Park Well - located in Section 34, Township 13S., Range 11E., G.A.S.R.M., 8" bore with expected depth of 600' and expected yield of 20 g.p.m.

We are in possession of Bulletin No. 303 dated 1958 and published by your Department. According to the map contained in this bulletin the Tucson Mountain Park well would be inside the Marana critical area created October 15, 1954. The other two wells are outside the critical areas if our map is up to date. All three wells will be for domestic or culinary use for Saguaro National Monument and would fall under the definition of "Exempted Wells".

According to our interpretation of your State law a "Notice of Intention to Drill Well" form G-300 is only required if an "Exempted Well" will produce in excess of 100 g.p.m. even if it lies in a critical area. Utilizing the same interpretation a drilling card (Form G-308) is not required for any of these wells.

Since this Service has always had a policy to adhere to water laws of the State in which we work, we wonder if you would inform us by return mail whether or not our interpretation of your Ground Water Code is correct. If you do require certain forms or applications for these wells would you please forward the proper forms to us in order that we may comply with your laws.

(SIGNED))

J. M. Carpenter
Acting Regional Director

cc: Director (2) ✓
Superintendent, Saguaro

Docket Information

Number of Documents in Docket 50

Documents Dated from 1/16/1964 to 11/2/1987

Docket Compiled: 6/16/2011