



WATER-RIGHT DOCKET

Coronado National Memorial

Docket No: 7

CORONADO WELL #4 (D24-21) CCD.

Preliminary Docket Information

05-07-2003: Water Rights Summary

WATER RIGHTS SUMMARY - Coronado National Memorial
Compiled by William R. Hansen on April 2, 2002; Modified by Alberti April 5, 2002; Modified by Hansen Dec. 20, 2002 and May 7, 2003 (Yellow indicates claims to be withdrawn)
This Summary was done to evaluate water right use and claims as part of ongoing settlement discussions in the San Pedro River Adjudication and replaces previous evaluations and summaries that may be found in CORO dockets.

Doc No.	WaterSource/Name	San Pedro SOC No.	Date SOC Filed	State Reg. No.	USGS 1/4, 1/4, 1/4	Legal Location, T, and R	Type of Right	Comp. Date	Res/Acq Date	Well Depth	Case Dia	DTW	Pump GPM	Use
01	Brown Alta. Spring.	39-11130	1/4/82	36-11163	AAD	SENESE 7 (24S21E)	Federal	1880	1/1/0778	--	--	--	--	S. WL
02	Joe's Spring #3	39-11129A	1/4/82	36-11205	AAD	SENESE 12 (24S20E)	Federal	1880	1/1/0778	--	--	--	--	S. WL
03	Tunnel Mine Spring	39-11129B	1/4/82	33-87251	DBD	SENESE 11 (24S20E)	State	12/14/81	3/26/80	--	--	--	--	S. WL
04	Baumkircher Well #2	39-11130F	1/4/82	55-629138	BCB	NWSWNW 17 (24S21E)	State	1943	3/20/80	86	6	56	35	P.W.L.F
05	Baumkircher Well #3	39-11130F	1/4/82	55-629137	BCB	NWSWNW 17 (24S21E)	State	1922	3/20/80	124	6	52	35	P.W.L.F
06	Brown Allot. Well (aka Coronado #4)	39-11130B	1/4/82	55-642742	CDB	NWSESW 8 (24S21E)	Federal	1946	1/1/0778	115	6	85	4	P.S.W.L.F
07	Border Well	39-11130C	1/4/82	55-633159	CDD	SESESW 17 (24S21E)	Federal	7/9/75	11/5/52	758	10	624	30	No Use
08	Forest Service Well	39-11130H	1/4/82	55-629141	ACB	Chg to NWSENE	Federal	?	9/2/60	140.6	5	43.4	--	P.W.L.F
09	Hazel Well	39-008265	12/29/81	55-642701	BAD	SENESE 11 (24S20E)	State	?	1/1/0778	0	0	0	0	Collap/Dry
10	Headquarters Well	39-11130G	1/4/82	55-631156	BCB	SWSWNW 18 (24S21E)	Federal	5/6/59	9/2/60	98	8	44	35	Withdraw
11	Sparks Well #1	39-11-13636	4/3/89	55-629658	BBC	SWNWNW 13 (24S20E)	State	11/1941	1941	28	5 ft	14	15	P.W.L.F
12	Sparks Well #2	39-11-13637	4/3/89	55-629659	BBC	SWNWNW 13 (24S20E)	State	1890	1890	365	6 ft	80	0	Withdraw
13	Zaleski Well	39-11130D	1/4/82	No 55 Form	BCB	NWSWNW 17 (24S21E)	State	?	3/20/80	?	?	?	?	10 AF
14	Federal Reserved Water Rights	39-11129		See Docket Summary		Park Wide	Federal	--	Many	--	--	--	--	Admin Use
15	Montez. Ranch Pond	39-004344	6/13/80	38-0664702	ACB	NWSWNE 17 (24S21E)	State	2/28/77	2/29/8**	--	--	--	--	WL, F
16	Montez. Ranch Well SX5	39-004343A	6/13/80	55-649476	ACB	NWSWNE 17 (24S21E)	State	10/20/75	2/29/8**	320	6	147	25	P. WL, F
17	Montez. Ranch Well ACB1	39-004343B	6/13/80	55-084460	ACB	NWSWNE 17 (24S21E)	State	6/16/80	2/29/8**	300	6	150	7	P. WL, F
18	Montez. Ranch Well SX6	39-004343C	6/13/80	55-649477	ACB	NWSWNE 17 (24S21E)	State	6/30/80	2/29/8**	300	3	150	6	P. WL, F
19	Montez. Ranch Well ADC1	39-004343	6/13/80	55-649478	ADC	SWSENE 17 (24S21E)	State	6/30/80	2/29/8**	320	6	160	25	Dry - W/draw
20	Montez. Ranch Well X1	39-004343	6/13/80	55-649479	ACB	NWSWNE 17 (24S21E)	State	6/30/80	2/29/8**	300	6	150	6	Dry - W/draw
21	Montez. Ranch Well SX3	39-004343D	6/13/80	55-649448	ACB	NWSWNE 17 (24S21E)	State	10/16/84	2/29/8**	320	6	235	15	P. WL, F
22	Montez. Ranch Well SX1	39-004343E	6/13/80	55-649448	ACB	NWSWNE 17 (24S21E)	State	10/16/84	2/29/8**	300	6	216	8	P. WL, F
23	Montez. Ranch Well ACB2	39-004343F	6/13/80	55-649450	ACB	NWSWNE 17 (24S21E)	State	10/23/84	2/29/8**	340	6	215	12	P. WL, F
24	Montez. Ranch Well X2	39-004343G	6/13/80	55-509098	ACB	NWSWNE 17 (24S21E)	State	10/31/84	2/29/8**	320	6	235	35	P. WL, F
25	Montez. Ranch Well X3	39-004343H	6/13/80	55-509097	ACB	NWSWNE 17 (24S21E)	State	11/6/84	2/29/8**	340	6	250	--	P. WL, F
26	Montez. Ranch Well ABC1	39-004343I	6/13/80	55-509096	ABC	SWNWNW 17 (24S21E)	State	11/9/84	2/29/8**	310	6	235	25	P. WL, F
27	Montez. Ranch Well ACA2	39-004343J	6/13/80	55-509095	ACA	NESWNE 17 (24S21E)	State	2/28/85	2/29/8**	340	6	250	30	P. WL, F
28	Montez. Ranch Well ACA3	39-004343K	6/13/80	55-510144	ACA	NESWNE 17 (24S21E)	State	3/27/85	2/29/8**	340	6	246	--	P. WL, F
29	Montez. Ranch Well ACA1	39-004343L	6/13/80	55-510143	ACA	NESWNE 17 (24S21E)	State	3/28/85	2/29/8**	340	6	250	--	P. WL, F
30	Montez. Ranch Well ACA4	39-004343M	6/13/80	55-510145	ACA	NESWNE 17 (24S21E)	State	4/3/85	2/29/8**	340	8	250	--	P. WL, F

** - Assumes wells on Tract 101-41; SOC - Statement of Claimant; State Registration No. - 33, 36, and 38 forms for surface waters, 55 forms for well registration. T-Township; R-Range. Type of Right & Priority Date - Determined by land ownership & date of reservation or purchase; P - Park Administration; S-Stockwater; WL-Wildlife; and F - Fire Suppression.

Notes to File and Action Items

Docket 0001 - SOC 39-8208 w/drawn by Order dated June 2, 1995 - duplicate claim by FS.
Docket 0002 - SOC 39-8152 w/drawn by Order dated June 2, 1995 - duplicate claim by FS. Assign 36-11205 to NPS from FS.
Docket 0003 - Change legal from DBC - SWNWNW to DBD - SENWSE per Alberti email dated Feb 26, 2003.

Dockets 4 and 5 - Well registrations 55-633157 and 55-633158 were w/drawn on June 8, 1995 (letter to ADWR) because they were duplicate registrations filed by CORO and the Western Region. Remove stock as a beneficial use on 39-11130 E and F. 39-003608 was w/drawn by the Baumkirchner's on July 1, 1995. Amend NPS SOC 39-11130F (Baumkirchner #3) completion date to 1932 (from 1969).

Docket 0006 - Withdraw 55-642742. Duplicate registration from NPS and FS. SOC 39-8264 w/drawn by Order dated June 2, 1995. Assign 36-11163 to NPS from FS.

Docket 0007 - Withdraw 55-633159 for Coronado Well #4. Duplicate registration filed by CORO and Western Region.

Docket 0008 - Withdraw SOC 39-1130H per instructions from Alberti on Sept. 27, 200 - well collapsed and dry at 21 ft. Incorrect legal - no need to amend because withdrawing claim.

Docket 0009 - Withdraw SOC 39-8265 per instructions from Alberti on Jan 29, 2002 - well never found by NPS. Has Lone Mtn. Ranch w/drawn their claim (39-003748)?

Docket 0010 - Withdraw 55-633156. Duplicate registration filed by CORO and Western Region. Change legal to SWSWNW (BCC) 18 (24S21E).

Docket 0011 - Assign well registration (55-629658) to NPS. Change legal to NWSWSW 13 (24S20E).

Docket 0012 - Withdraw SOC 39-11-13637 per instructions from Alberti on Jan 29, 2002 - well may have been mine shaft which was plugged before acquisition by NPS.

Docket 0013 - Withdraw SOC 39-11130D. Not found by NPS on May 2, 1995 or Jan 29, 2002. Alberti recommends withdrawal on Jan 29, 2002.

Docket 0014 - Change uses to park administration, stock, wildlife, and fire suppression in docket and amend individual claims as necessary.

Docket 0015 - Amend SOC 39-004344 - change purpose from irrigation and stockwater to wildlife for 1 AFY. Amend maximum capacity from 15 to 1 AFY. Amend 38-64702 - change capacity from 15 to 1 AFY and quantity from 30-40 to 1 AFY.

Docket 0019 - Withdraw 55-649479 - Dry! Amend Richards' SOC 39004343 dropping well from claim.

Docket 0020 - Withdraw 55-649478 - Dry! Amend Richards' SOC 39004343 dropping well from claim.

Amend Richard's SOC 39-004343 for Montezuma Ranch well's (13 wells) and SOC 39-0004344 for the stockpond. Completed by letter to ADWR on December 5, 2002.

Do we w/draw 36 claims on 0001, 0002, 0003 when surface water rights recognized as reserved right? When?

Correct addresses on all claims/registrations.

Lone Mountain Ranch - claims of concern in park (55-612472 and 55-612487).

1 GEORGE A. SCHADE, JR.
Special Master
2 Arizona General Stream Adjudication
Arizona State Courts Building, Suite 228
3 1501 W. Washington Street
Phoenix, AZ 85007
4 (602) 542-9600
State Bar No. 003289
5

6 IN THE SUPERIOR COURT OF THE STATE OF ARIZONA

7 IN AND FOR THE COUNTY OF MARICOPA

8 IN RE THE GENERAL ADJUDICATION
OF ALL RIGHTS TO USE WATER IN THE
9 GILA RIVER SYSTEM AND SOURCE

W-1 (Salt)
W-2 (Verde)
W-3 (Upper Gila)
W-4 (San Pedro)
(Consolidated)

11 **Contested Cases Nos. W1-11-556
and W1-11-1132**

13 ORDER AND PARTIAL DECREE OF
STIPULATED WATER RIGHTS IN THE
14 SAN PEDRO RIVER WATERSHED FOR
THE CORONADO NATIONAL MEMORIAL

15 This matter came before the Court on the Final Hydrographic Survey Report for the San Pedro
16 River Watershed (1991) ("San Pedro HSR") and objections to that report; consideration of the San
17 Pedro HSR and objections were referred to Special Master John E. Thorson and, subsequently, to
18 Special Master George A. Schade, Jr.; the Special Masters organized and conducted proceedings in
19 Contested Cases Nos. W1-11-556 and W1-11-1132 involving the water rights of the United States of
20 America appurtenant to the Coronado National Memorial, a federal reservation of land within the San
21 Pedro River Watershed administered by the United States Department of the Interior, National Park
22 Service; certain parties in both contested cases having reached stipulations that were filed on March
23 19, 1996, and on May 2, 2003, as to the water rights in one stockpond, three springs, and twenty wells,
24 to be decreed for the Coronado National Memorial; Special Master Thorson having accepted the

1 stipulation filed on March 19, 1996, and Special Master Schade having accepted the stipulation filed
2 on May 2, 2003; Special Master Schade having filed a report with the Clerk of the Court on May 15,
3 2003, recommending the approval of both stipulated agreements and abstracts of water rights and
4 having served the involved parties and all persons listed on the Gila River Adjudication Court-
5 Approved Mailing List; the Special Master having given claimants in the Gila River Adjudication,
6 pursuant to A.R.S. § 45-257(A)(2), a period of 180 days, or until November 12, 2003, to file an
7 objection to the report, and until December 8, 2003, to file responses to the objections; the Bella Vista
8 Water Company, Inc. and Pueblo Del Sol Water Company (the "Water Companies") having filed an
9 objection; the United States having filed a response; and the Court having considered the report and
10 the objection and being fully advised;

11 THE COURT FINDS that notice of the Special Master's report was given as required by law
12 and prior orders of this Court; the period allowed for filing objections to the Special Master's report
13 was as required by A.R.S. § 45-257(A)(2); the period for filing objections to the report has passed; and
14 the stipulated agreements and abstracts of proposed water rights for the United States of America
15 within the Coronado National Memorial should be approved.

16 THE COURT ADJUDICATES AND DECREES the water rights of the United States of
17 America for the Coronado National Memorial as set forth in the twenty-four abstracts of water rights
18 stipulated by the parties and described in Special Master Schade's report of May 15, 2003.

19 IT IS ORDERED that the twenty-four abstracts of water rights shall be incorporated in the
20 tabulations or lists of all water rights and their relative priorities on the Gila River system and source
21 in the form that the Court shall determine, pursuant to A.R.S. § 45-257(B)(2), to be most appropriate.

22 IT IS FURTHER ORDERED that the dismissals of Statements of Claimant Nos. 39-8265, 39-
23 11130(D), 39-11130(H), and 39-13637 are accepted.

24 IT IS FURTHER ORDERED overruling the objection of the Water Companies.

1 Dated this 9th day of March, 2004.

2
3
4 /s/ Eddward P. Ballinger, Jr.
5 EDDWARD P. BALLINGER, JR.
6 Judge of the Superior Court

7 A copy of this order is mailed to all parties
8 appearing on the Court-approved mailing
9 list for Contested Cases Nos. W1-11-556
10 and W1-11-1132, dated May 6, 2003, and
11 the Gila River Adjudication Court-
12 Approved Mailing List, Nos. W-1, W-2, W-
13 3, and W-4 (Consolidated), dated October 6,
14 2003.
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24

CORO-0007 ST



United States Department of the Interior

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

IN REPLY REFER TO:

May 7, 2003

L54 (2380)
CORO/Water Rights

Ms. Elizabeth Logan, Section Manager
Water Management Support Section
Arizona Department of Water Resources
500 N. Third Street
Phoenix, AZ 85004

Re: Coronado National Memorial - Withdrawal of Well Registrations (55-642742, 55-633156, and 55-633159) and Claims (39-11130D and H, 39-008265, and 39-11-13637); Change of Ownership (36-11163 and 36-11205); and Amendments (39-11130 and 39-004344)

Dear Ms. Logan:

We have recently completed an extensive review of our water rights and adjudication claims for Coronado National Memorial in the San Pedro River Basin as part of settlement discussions with various objectors. Therefore, we request that you make the following changes to our claims.

Please withdraw well registrations 55-642742, 55-633156, and 55-633159 because they are redundant with well registrations 55-629140, 55-629139, and 55-629142. The National Park Service (NPS) inadvertently filed duplicate claims through two separate offices in the 1980's for the same wells.

Please amend 39-11130 by withdrawing our claim to the two wells known as Zaleski Well (39-11130D) and the Forest Service Well (39-11130H). We would also like to withdraw claims 39-008265 and 39-11-13637 which were filed by previous land owners prior to assignment to the NPS. Our file review and field reconnaissance reveal that these wells are either dry, collapsed or non-existent.

Please change the ownership on 36-11163 and 36-11205 in your records from the USDA - Coronado National Forest to the USA - National Park Service - Coronado National Memorial. The Statement of Claimant forms (39's) are already in the name of the Coronado National Memorial. The land and water rights were transferred from the Forest Service to the National Park Service on November 10, 1978 (P.L. 95-625).

Please amend our claims filed for 39-11130 B, E, F, and G (Tunnel Mine Springs, Baumkirchner Wells #2 and #3, and the Headquarters Well) and 39-004344 (Montezuma

Ranch stockpond). We are amending the beneficial use, completion date, and legal locations for 39-11130 and amending the beneficial use, storage capacity and annual volume for 39-004344. The attached Amendments indicate the specifics of each of these changes.

If you have any questions please contact Bill Hansen, on my staff, at (970) 225-3532.

Sincerely,



Charles Pettie
Chief, Water Rights Branch

Cc: Fahmy – SOL
Leininger – DoJ
Alberti – CORO
Callahan – City of Phoenix
Wilmoth – Fennemore Craig
Chandley – Ryley, Carlock & Applewhite
Carla Consoli – Bryan Cave LLP
Lewis – Gila River Indian Community
Ronald – Arizona Attorney Generals Office
Schade – Special Master, Arizona General Stream Adjudication
Sparks – Sparks, Tehan & Ryley, P.C.
Weldon – Salmon, Lewis and Weldon, P.L.C.

CORO-0007 ST

THOMAS L. SANSONETTI
Assistant Attorney General
Environment and Natural Resources Division

R. LEE LEININGER
Trial Attorney
United States Department of Justice
Environment & Natural Resources Division
General Litigation Section
999 18th St. Suite 945
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Phone: (303) 312-7322
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Attorney for the United States of America

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA

IN RE: THE GENERAL ADJUDICATION	)	CONTESTED CASES
OF ALL RIGHTS TO USE WATER IN	)	W1-11-556 & W1-11-1132
THE GILA RIVER SYSTEM AND SOURCE	)	STIPULATION

CONTESTED CASE NAMES: *In re Coronado National Memorial*

HSR INVOLVED: San Pedro River Watershed Hydrographic Survey Report

DESCRIPTIVE SUMMARY: Stipulation to Entry of A Decree for Wells and a Stockpond Located in the Coronado National Memorial.

STATEMENT OF CLAIMANT NUMBERS: United States - 39-11130(B), 39-11130(C), 39-11130(E), 39-11130(F), 39-11130(G), and 39-13636;; Richard B. Richards (assigned to United States and subsequently amended) - 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E); 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-4344.

NUMBER OF PAGES: 34

DATE OF FILING: Original mailed to the Clerk of Court on May 1, 2003

Claimant United States of America and the Objectors
Gila River Indian Community, Salt River Valley Water Users'
Association and Salt River Project Agricultural Improvement and
Power District, San Carlos Apache Tribe, Tonto Apache Tribe,

Stipulation
Civil Nos. W1-11-556 & W1-11-1132

Yavapai Apache Tribe, City of Phoenix, ASARCO Incorporated, Phelps Dodge Corporation, and BHP Copper Co., by and through their undersigned attorneys stipulate and agree as follows:

1. Claim Nos. 39-11130(B), 39-11130(C), 39-11130(E), 39-11130(F), 39-11130(G), 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), and 39-4343(M) are claims to wells located within Coronado National Memorial. Abstracts setting forth the elements of each of these claims are set forth in Appendices 1 through 21 attached hereto and incorporated herein by reference. The parties hereto stipulate and agree to entry of a decree for these claims on the terms set forth in the attached abstracts. The National Park Service reserves the right to challenge and/or appeal the imposition by ADWR or a court of competent jurisdiction of attributes less favorable to the National Park Service than those set forth in the attached abstracts. The other signatories reserve the right to challenge and/or appeal the imposition by ADWR or a court of competent jurisdiction of attributes more favorable to the National Park Service than those set forth in the attached abstracts.

2. Claim No. 39-4344 is a claim to a stockpond located within Coronado National Memorial. An abstract setting forth the elements of this claim is set forth in Appendix 21 attached hereto and incorporated herein by reference. The parties hereto stipulate and agree to entry of a decree for this claim on the

terms set forth in the attached abstract. The National Park Service reserves the right to challenge and/or appeal the imposition by ADWR or a court of competent jurisdiction of attributes less favorable to the National Park Service than those set forth in the attached abstract. The other signatories reserve the right to challenge and/or appeal the imposition by ADWR or a court of competent jurisdiction of attributes more favorable to the National Park Service than those set forth in the attached abstract.

3. The National Park Service filed Claim Nos. 39-11130(H) (Forest Service Well), 39-08265 (Hazel Well), 39-13637 (Sparks #2 Well), and 39-11130(D) (Zaleski Well) for Coronado National Memorial. These wells are no longer in use. The United States agrees to submit a letter to the Arizona Department of Water Resources withdrawing these claims 60 days after the approval of this Stipulation by the Decree Court.

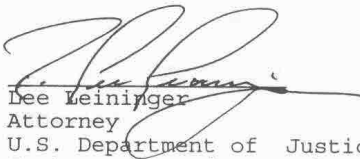
4. This Stipulation is the result of negotiation. None of the legal issues regarding the bases or attributes of the water rights involved in this matter have been briefed or tried. The parties agree that this stipulation shall have no precedential effect in this or any other pending or future general stream adjudication or case.

5. The parties agree to bear their own costs and attorneys' fees in connection with this matter.

In witness whereof, the parties have executed this
Stipulation as of the dates written below.

Date: May 1, 2003

UNITED STATES OF AMERICA

BY: 

Dee Weininger
Attorney
U.S. Department of Justice
Environment and Natural
Resources Division
999 18th Street, Suite 945
Denver, CO 80202
(303) 312-7322
ATTORNEY FOR THE UNITED STATES
OF AMERICA

Date: _____

SALT RIVER VALLEY WATER USERS'
ASSOCIATION AND SALT RIVER PROJECT
AGRICULTURAL IMPROVEMENT AND POWER
DISTRICT

BY:


JOHN B. WELDON, JR.
Salmon, Lewis & Weldon, P.L.C.
2850 E. Camelback Road
Suite 200
Phoenix, AZ 85016
ATTORNEYS FOR SALT RIVER
VALLEY WATER USERS'
ASSOCIATION AND SALT RIVER
PROJECT AGRICULTURAL
IMPROVEMENT AND POWER DISTRICT

Date: _____

SAN CARLOS APACHE TRIBE, TONTO
APACHE TRIBE, AND YAVAPAI APACHE
TRIBE

BY:

Joe Sparks by John M. Ryley

JOE SPARKS
Sparks, Tehan & Ryley, P.C.
7503 First Street
Scottsdale, AZ 85251-4573
ATTORNEYS FOR SAN CARLOS
APACHE TRIBE, TONTO APACHE
TRIBE, AND YAVAPAI APACHE
TRIBE

Date: 2-3-03

PHELPS DODGE CORPORATION

BY:


CYNTHIA M. CHANDLEY
Ryley, Carlock & Applewhite
One North Central Avenue
Suite 1200
Phoenix, AZ 85004-4417
ATTORNEYS FOR PHELPS DODGE
CORPORATION

Stipulation
Civil Nos. W1-11-556 & W1-11-1132

Date: 4/15/03

BHP COPPER CO.

BY: Carla Consoli

CARLA CONSOLI
Bryan Cave LLP
2 North Central Avenue
Suite 2200
Phoenix, AZ 85004
ATTORNEYS FOR BHP COPPER CO.

Date: 12/31/02

GILA RIVER INDIAN COMMUNITY

BY:


RODNEY LEWIS
5002 N. Maricopa Road
Box 5090
Chandler, AZ 85226
ATTORNEY FOR GILA RIVER INDIAN
COMMUNITY

Date: January 7, 2003

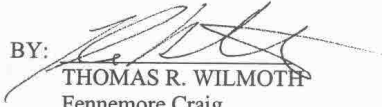
CITY OF PHOENIX

BY: M. James Callahan

M. JAMES CALLAHAN
200 West Washington
13th Floor
Phoenix, AZ 85003-1611
ATTORNEY FOR CITY OF PHOENIX

Date: 02/10/03

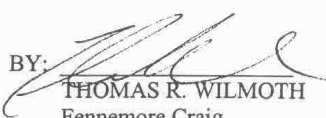
ASARCO INCORPORATED

BY: 

THOMAS R. WILMOTH
Fennemore Craig
3003 N. Central Avenue
Suite 2600
Phoenix, AZ 85012
ATTORNEYS FOR ASARCO
INCORPORATED

Date: 02/10/03

ASARCO INCORPORATED

BY: 

THOMAS R. WILMOTH
Fennemore Craig
3003 N. Central Avenue
Suite 2600
Phoenix, AZ 85012
ATTORNEYS FOR ASARCO
INCORPORATED

Certificate of Service

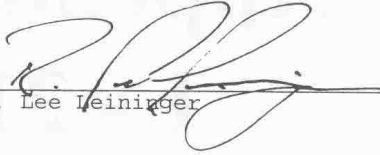
The original and one copy of the foregoing sent via Federal Express this 14 day of May, 2003, to:

Clerk of the Arizona Superior Court
Attn: Water Case
3345 W. Durango Street
Phoenix, AZ 85009

A copy of the foregoing sent via Federal Express this 14 day of May, 2003, to:

Special Master
Arizona General Stream Adjudication
George A. Schade, Jr.
1501 W. Washington, Suite 228
Phoenix, AZ 85007

A copy of the foregoing mailed this 14 day of May, 2003, to all parties on the Court-approved W1-11-556 mailing list dated December 10, 2002


R. Lee Weininger

Appendices

1 - 21

National Park Service

CLAIM NUMBER:	39-11130(B)
OWNER:	United States of America
NAME OF STRUCTURE:	Brown Allotment Well (well registration no. 55-629140)
DATE LAND RESERVED:	November 10, 1978 (see attached map)
SOURCE:	Underground water
POINT OF DIVERSION:	NWSESW Sec. 8, T24S, R21E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSESW Sec. 8, T24S, R21E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	4 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Park administration, wildlife, and fire suppression
BASIS OF CLAIM:	Federal reserved water right
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-11130(B)
OWNER:	United States of America
NAME OF STRUCTURE:	Brown Allotment Well (well registration no. 55-629140)
DATE LAND RESERVED:	November 10, 1978 (see attached map)
SOURCE:	Underground water
POINT OF DIVERSION:	NWSESW Sec. 8, T24S, R21E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSESW Sec. 8, T24S, R21E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	4 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Stock watering
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-11130(C)
OWNER:	United States of America
NAME OF STRUCTURE:	Border Well a/k/a Coronado Well #4 (well registration no. 55-629142)
DATE LAND RESERVED:	November 5, 1952 (see attached map)
SOURCE:	Underground water
POINT OF DIVERSION:	SESESW Sec. 17, T24S, R21E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	SESESW Sec. 17, T24S, R21E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	30 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Park administration, wildlife, and fire suppression
BASIS OF CLAIM:	Federal reserved water right
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-11130(E)
OWNER:	United States of America
NAME OF STRUCTURE:	Baumkirchner #2 Well (well registration no. 55-629138)
DATE WELL COMPLETED:	1943
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNW Sec. 17, T24S, R21E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNW Sec. 17, T24S, R21E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, stock, wildlife, and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-11130(F)
OWNER:	United States of America
NAME OF STRUCTURE:	Baumkirchner #3 Well (well registration no. 55-629137)
DATE WELL COMPLETED:	1932
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNW Sec. 17, T24S, R21E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNW Sec. 17, T24S, R21E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, stock, wildlife, and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-11130(G)
OWNER:	United States of America
NAME OF STRUCTURE:	Headquarters Well (well registration no. 55-629139)
DATE LAND RESERVED:	September 2, 1960 (see attached map)
SOURCE:	Underground water
POINT OF DIVERSION:	SWSWNW Sec. 18, T24S, R21E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	SWSWNW Sec. 18, T24S, R21E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Park administration, wildlife, and fire suppression
BASIS OF CLAIM:	Federal reserved water right
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-13636
OWNER:	United States of America
NAME OF STRUCTURE:	Sparks Well #1 (well registration no. 55-629658)
DATE WELL COMPLETED:	November, 1941
SOURCE:	Underground water
POINT OF DIVERSION:	SWNWNW Sec. 13, T24S, R20E and within exterior boundary of Coronado National Memorial
PLACE OF USE:	SWNWNW Sec. 13, T24S, R20E and within exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	15 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife, and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(A)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well SX5 (well registration no. 55-649476)
DATE WELL COMPLETED:	October 20, 1975
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	25 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(B)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ACB1 (well registration no. 55-084460)
DATE WELL COMPLETED:	June 16, 1980
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	7 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(C)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well SX6 (well registration no. 55-649477)
DATE WELL COMPLETED:	June 30, 1980
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	6 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(D)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well SX3 (well registration no. 55-507449)
DATE WELL COMPLETED:	October 16, 1984
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	15 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(E)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well SX1 (well registration no. 55-507448)
DATE WELL COMPLETED:	October 18, 1984
SOURCE:	Underground water
POINT OF DIVERSION:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	8 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(F)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ACB2 (well registration no. 55-507450)
DATE WELL COMPLETED:	October 23, 1984
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	12 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(G)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well X2 (well registration no. 55-509098)
DATE WELL COMPLETED:	October 31, 1984
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(H)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well X3 (well registration no. 55-509097)
DATE WELL COMPLETED:	November 6, 1984
SOURCE:	Underground water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(I)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ABC1 (well registration no. 55-509096)
DATE WELL COMPLETED:	November 9, 1984
SOURCE:	Underground water
POINT OF DIVERSION:	SWNWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	SWNWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	25 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(J)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ACA2 (well registration no. 55-509095)
DATE WELL COMPLETED:	February 28, 1985
SOURCE:	Underground water
POINT OF DIVERSION:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	30 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(K)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ACA3 (well registration no. 55-510144)
DATE WELL COMPLETED:	March 27, 1985
SOURCE:	Underground water
POINT OF DIVERSION:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(L)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ACA1 (well registration no. 55-510143)
DATE WELL COMPLETED:	March 28, 1985
SOURCE:	Underground water
POINT OF DIVERSION:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4343(M)
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Ranch Well ACA4 (well registration no. 55-510145)
DATE WELL COMPLETED:	April 3, 1985
SOURCE:	Underground water
POINT OF DIVERSION:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
PLACE OF USE:	NESWNE Sec. 17, T24S, R21E and within the exterior boundary of Coronado National Memorial
FLOW RATE/VOLUME:	35 gpm/Diversion of up to 10 acre-feet per year for present and future consumptive uses*
USE:	Domestic, municipal, wildlife and fire suppression
BASIS OF CLAIM:	Right to withdraw ground water under state law
REMARKS:	* - The sum of diversions for present and future consumptive uses under claim numbers 39-13636, 39-4343(A), 39-4343(B), 39-4343(C), 39-4343(D), 39-4343(E), 39-4343(F), 39-4343(G), 39-4343(H), 39-4343(I), 39-4343(J), 39-4343(K), 39-4343(L), 39-4343(M), and 39-11130(B), (C), (E), (F), and (G) will not exceed 10 acre-feet per year.

National Park Service

CLAIM NUMBER:	39-4344
OWNER:	United States of America
NAME OF STRUCTURE:	Montezuma Pond
PRIORITY DATE:	February 28, 1977
SOURCE:	Surface water
POINT OF DIVERSION:	NWSWNE Sec. 17, T24S, R21E
PLACE OF USE:	NWSWNE Sec. 17, T24S, R21E
FLOW RATE/VOLUME:	1 af capacity
USE:	Wildlife and fire suppression
BASIS OF CLAIM:	State surface water right

NOTE TO FILE

The Coronado Well #4 (aka 17 cdd or Border Well) was drilled on July 3, 1975. Depth to water is 624 feet. The NPS filed a SOC form (39-011130) on January 4, 1982. The NPS filed a well registration (55-629142). The well is currently not being used due to the cost of pumping water. The well may be developed at a later date as water use in CORO increases.

Wm. R. Hansen
May 3, 1995

ARIZONA WATER COMMISSION
CENTRAL SECURITY BUILDING
222 N. Central Ave.
Suite 550
Phoenix, Arizona 85004
602-255-1581

Mar. 26, 1985

STATEMENT OF CLAIMANT

(Leave Blank)

IN THE MATTER OF DETERMINATION OF)
RELATIVE RIGHTS TO THE USE OF)
WATERS OF THE SAN PEDRO RIVER AND ITS)
TRIBUTARY WATERSHED, INC. ARAVAIPA CK.)

File No. 39-11130
Filed: _____ at _____ M
(date) (time)

The State Land Department has enclosed with the accompanying Notice this form on which claimant shall present as required, the particulars of his claim of right to the subject waters. All applicable portions must be completed. A separate Statement of claimant must be submitted for each source or point of diversion of public water unless those waters are commingled prior to use. A map published by the United States Geological Survey or a map of equal standard shall be submitted with this Statement showing on the face of the map the particulars of point of diversion, place of use and other pertinent information.

Print or type. If more space is required, use explanatory at end of form, or attachment.)

Name of Claimant: National Park Service, U.S. Government, Department of Interior
(Last) (First) (M.I.)

450 Golden Gate Avenue, Box 36063, San Francisco, CA 94102 (415) 556-8660
(Address, City, State, Zip) (Telephone No.)

State the nature of the right or use on which claim is based: (indicate, and attach supporting documentation)

- A. Right to surface water initiated by beneficial use prior to June 12, 1919.
Indicate registry number if previously submitted under Water Rights Registration Act _____.
- B. Court Decreed Water Right. Cite Title and Date of Case _____
Cause No. _____ County _____.
- C. Application for Permit to Appropriate Water filed. State Land Department Application No. _____, Permit No. _____, Certificate of Water Right No. _____.
- D. Claim of Water Right for a Stockpond. State Land Department Application No. _____.
- E. X Other. Describe: Federal Reserve Water Right - Coronado Well #4 (Coronado Brown Allotment Spring) (Coronado _____).
- A. Date of initiation of right: Nov. 6, 1906 (see explanatory) National Memorial)
(Month/Day/Year)
- B. Date water first used for beneficial purposes: Nov. 6, 1906
(Month/Day/Year)

Purpose, annual amount and annual period of use: (see explanatory)

Purpose	Amount	Month/Day	Month/Day
Irrigation	_____ ac.ft./gallons	From _____ to _____	
Domestic	_____ ac.ft./gallons	From _____ to _____	
Stockwater	<u>X</u> _____ ac.ft./gallons	From <u>Jan. 1</u> to <u>Dec. 31</u>	
Municipal	_____ ac.ft./gallons	From _____ to _____	
Power	_____ ac.ft./gallons	From _____ to _____	
Mining	_____ ac.ft./gallons	From _____ to _____	
Recreation	_____ ac.ft./gallons	From _____ to _____	
Wildlife	<u>X</u> _____ ac.ft./gallons	From <u>Jan. 1</u> to <u>Dec. 31</u>	
Other Uses	<u>X</u> _____ ac.ft./gallons	From <u>Jan. 1</u> to <u>Dec. 31</u>	

A. (1) If for irrigation purposes, describe place of use: (also indicate on map)
Township (N/S) Range (E/W) Section Legal Subdivision No. of Acres.

(2) If land reclaimed over period of years, indicate schedule and amount of land reclaimed first and each subsequent year(s): _____

7. State all other sources of water supply not described in Question 6 of this form.
- A. Type of Source: well - Coronado Well #4
- B. Location of Source (indicate on map): SE 1/4 SE 1/4, Section 17, Township 24 (N/S), Range 21 (E/W), Gila and Salt River Base and Meridian, County Cochise. Ownership
- C. If other source is well, list following:
- (1) Date well construction began: Feb. 4, 1975; Date well placed in use: July 3, 1975.
(Month/Day/Year)
 - (2) Location (10 acre subdivision) (indicate on map): SE 1/4 SE 1/4 SW 1/4, Section 17, Township 24 (N/S), Range 21 (E/W), Gila and Salt River Base Meridian, County of Cochise
 - (3) State Land Department Intent to Drill, File No. , or Application for Permit No.
 - (4) State whether free flowing or pump: . If pump, list type of pump and capacity:
 - (5) Casing depth 724 ft. Total well depth 758 ft. Diameter of casing 10 inches.
 - (6) Depth to water: 623.4 ft. (Static Level)
 - (7) Annual amount pumped, or otherwise extracted: Ac.Ft./Gallons
 - (8) State purpose of use: not presently in use
 - (9) Indicate annual period of use: to .
(Month/Day) (Month/Day)
7. State all other sources of water supply not described in Question 6 of this form.
- A. Type of Source: well - (D-24-21)17 bcb 1
- B. Location of Source (indicate on map): NW 1/4 SW 1/4, Section 17, Township 24 (N/S), Range 21 (E/W), Gila and Salt River Base Meridian, County Cochise. Ownership
- C. If other source is well, list following:
- (1) Date well construction began: ; Date well placed in use: 1943.
(Month/Day/Year)
 - (2) Location (10 acre subdivision) (indicate on map): NW 1/4 SW 1/4, Section 17, Township 24 (N/S), Range 21 (E/W), Gila and Salt River Base Meridian, County of Cochise
 - (3) State Land Department Intent to Drill, File No. , or Application for Permit No.
 - (4) State whether free flowing or pump: . If pump, list type of pump and capacity:
 - (5) Casing depth ft. Total well depth 130 ft. Diameter of casing inches.
 - (6) Depth to water: ft. (Static Level)
 - (7) Annual amount pumped, or otherwise extracted: Ac.Ft./Gallons
 - (8) State purpose of use: no longer in use
 - (9) Indicate annual period of use: to .
(Month/Day) (Month/Day)

- E. (1) Year construction began: _____.
- (2) Year construction completed: _____.
- (3) Date water first stored: _____ (Month/Year).

F. If dam, list following:

- (1) Construction material: _____
- (2) Maximum Length: Top _____ ft.; Bottom _____ ft.
- (3) Maximum Width: Top _____ ft.; Bottom _____ ft.
- (4) Maximum Height: _____ ft.

G. If diverting works, describe: _____

Distribution works:

A. If ditch or canal:

- (1) Date construction began: _____
(Month/Day/Year)
- Date construction completed: _____
(Month/Day/Year)
- (2) Length of ditch or canal to first place of use: _____ ft., total length of ditch or canal: _____ ft.
- (3) Top width: _____ ft.; Bottom width: _____ ft.
- (4) Grade (slope) of ditch: _____
- (5) If ditch or canal owned and/or operated by an association or company or such other entity, list name of association or company or such other entity: _____

B. If pipeline:

- (1) Type: steel (i.e., aluminum, steel, etc.)
- (2) Diameter: 1 inches
- (3) Length of pipeline to first place of use: 1200 ft. and total length of pipeline: 1200 ft.
- (4) Grade (slope) of pipeline: 25%

C. If other, describe: _____

Enlargement(s) of storage reservoir and/or diverting and/or distributing works

A. Date begun: _____

(Month/Day/Year)

Date completed: _____

(Month/Day/Year)

B. Describe details of enlargement(s): _____

C. Dimensions of works as originally constructed and as enlarged: _____

Explanatory

Item 3. This site was authorized for inclusion into Coronado National Memorial on November 10, 1978 as a part of a land transfer agreement with the U.S. Forest Service. This portion of Coronado Nat'l Mem. was originally reserved as a part of the Huachuca Forest Preserve on Nov. 6, 1906.

Item 4. The National Park Service claims the entire flow from this source for the indicated purposes. The volumetric flow from this source was measured at 2.0 gpm on 8/19/80. The estimated annual flow from this source is
(continued on the next page)

8.4×10^4 gallons. All water from this source originates and terminates within the boundary of Coronado National Memorial. All uses occur on Federal land.

Item 7. Pertinent dates for the wells listed on this form are as follows:

-Coronado Well #4 - Sept. 2, 1960-land transferred to Coronado Nat'l

Mem. from public domain. Federal Reserve Water Right applies.

-(D-24-21)17 bcb 1) authorized for inclusion into Coronado N.M.
on Nov. 10, 1978.

-(D-24-21)17 bcb 2)- acquired by the National Park Service on
March 21, 1980.

-(D-24-21)17 bcb 3)

-Headquarters Well - Sept. 2, 1960-land transferred to Coronado N.M.

from public domain. Federal Reserve Water Right applies.

-Forest Service Well - Sept. 2, 1960-land transferred to Coronado N.M.

(Forest Service had previously purchased land
from U.S. Forest Service. from private owner.)

-Brown Allotment Well -- see explanatory for Item 3. Federal Reserve

Water Right applies.

(continued on the next page)

VERIFICATION

(Claimant-Affiant representative's name)

For Corporations, Partnerships,
Associations, etc.*

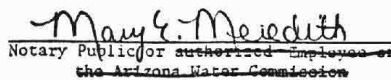
Claimant-affiant signature

Claimant-affiant signature

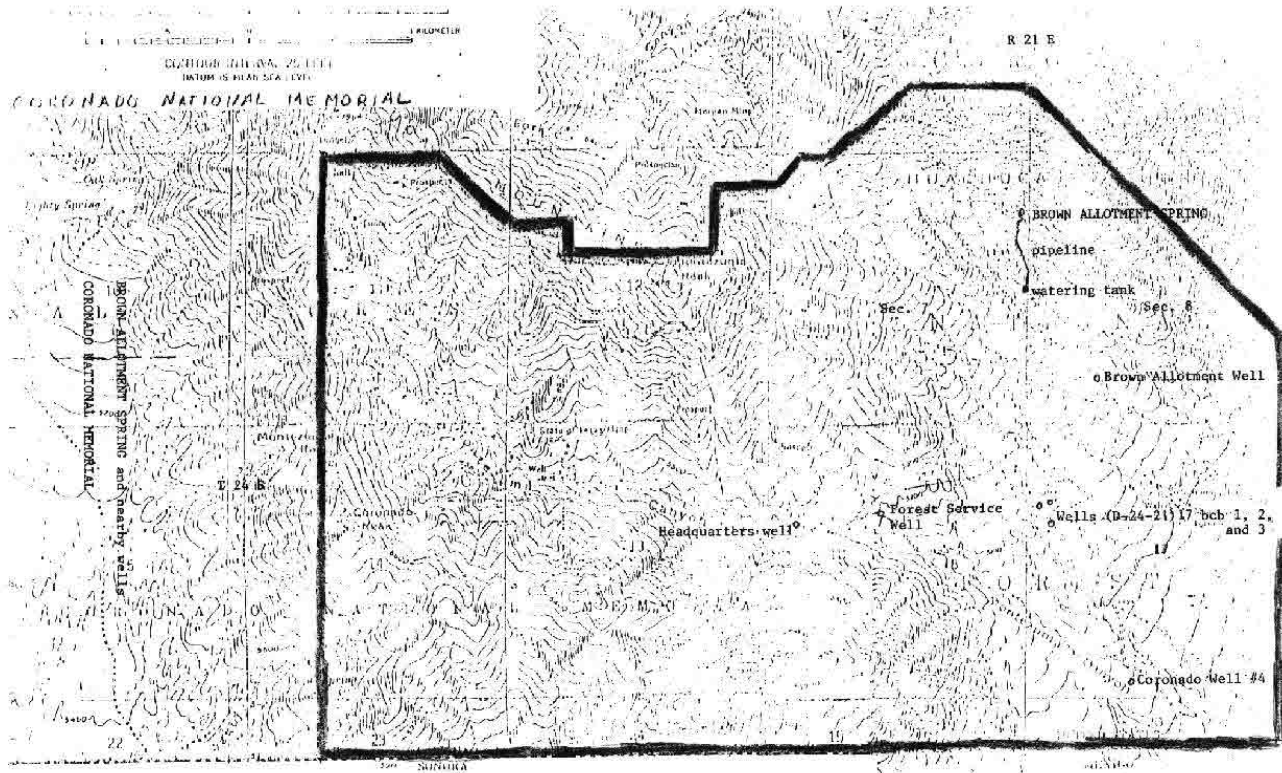
Signature
 Gerard S. Witucki
 Chief, Division of Water Resources

Claimant-affiant representative's
signature

Subscribed and sworn to before me this
30th day of November, 1981.



My Commission expires 3/26/85



DEPARTMENT OF WATER RESOURCES
88 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

Declaration: The United States gives this
1. location to the State in the interest
of county, 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-	629142
FILE NO.	D24-2117 cdd
FILED	6-9-82 AT 1:30
INA	
AMA	

- Name of Registrant:
National Park Service, Western Region, Division of Water Resources
450 Golden Gate Ave., Box 36063, San Francisco CA 94102
(Address) (City) (State) (Zip)
- File and/or Control Number under previous groundwater law:
(File Number) _____ (Control Number) 35
- The well is located within the SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 17,
of Township 24 S N/S, Range 21 E E/W, G & SRB & M, in the
County of Cochise.
 - If in a subdivision: Name of subdivision _____
Lot No. _____, Address _____
- The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
unused
- If for irrigation use, number of acres irrigated from well _____
- Owner of land on which well is located. If same as Item 1, check this box ☒

(Address) (City) (State) (Zip)
- Well data (if data not available, write N/A)
 - Depth of Well 758 feet
 - Diameter of casing 10 inches
 - Depth of casing 724 feet
 - Type of casing steel
 - Maximum pump capacity N/A gallons per minute.
 - Depth to water 624 feet below land surface.
 - Date well completed July 3, 1975
(Month) (Day) (Year)
- The place(s) of use of water. If same as Item 3, check this box ☐
 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$, Section _____ Township _____ Range _____
 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$, Section _____ Township _____ Range _____
Coronado National Memorial - Coronado 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 629142

I request the following information be changed in Well File Number D(24-21)17 cdd

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.

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



REGISTRATION OF EXISTING WELLS

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

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

FOR OFFICE USE ONLY	
REGISTRATION NO. 55-	633159
FILE NO.	D(24-21)17Cdd
FILED	MAY 07 1982 AT 11am
INA	
AMA	

- Name of Registrant:
CORONADO NATIONAL MEMORIAL
RURAL ROUTE 1, BOX 126 HEREFORD ARIZONA 85615
(Address) (City) (State) (Zip)
- File and/or Control Number under previous groundwater law: FEDERAL LAND, NO RECORD OF ANY NUMBERS IN FILES!
(File Number) 35- (Control Number)
- a. The well is located within the SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 17, of Township 24S N/S, Range 21E E/W, G & SRB & M, in the County of COCHISE
b. If in a subdivision: Name of subdivision NA
Lot No. Address
- The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
NONE. WELL NOT IN OPERATION
- If for irrigation use, number of acres irrigated from well -0-
- Owner of land on which well is located. If same as Item 1, check this box ☒
(Address) (City) (State) (Zip)
- Well data (If data not available, write N/A)
 - Depth of Well 758 feet
 - Diameter of casing 16 & 12 inches
 - Depth of casing 72 1/2 feet
 - Type of casing STEEL
 - Maximum pump capacity 3 1/2 gallons per minute.
 - Depth to water 62 1/2 feet below land surface.
 - Date well completed JULY (Month) 1975 (Year)
- The place(s) of use of water. If same as Item 3, check this box ☒

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

Attach additional sheet if necessary.

9. DATE May 5, 1982 SIGNATURE OF REGISTRANT Laurel W. Dale
Superintendent

Supporting Hydro Data

Run Date: 11/09/2001

AZ DEPARTMENT OF WATER RESOURCES
WELL REGISTRY REPORT - WELLS55

Location D 24.0 21.0 17 C D D

Well Reg.No
55 - 629142

AMA NOT WITHIN ANY AMA OR INA

Name NATL PARK SERVICE,
BOX 36063File Type REGISTERED WELL
Application/Issue Date 06/09/1982

SAN FRANCISCO CA 94102

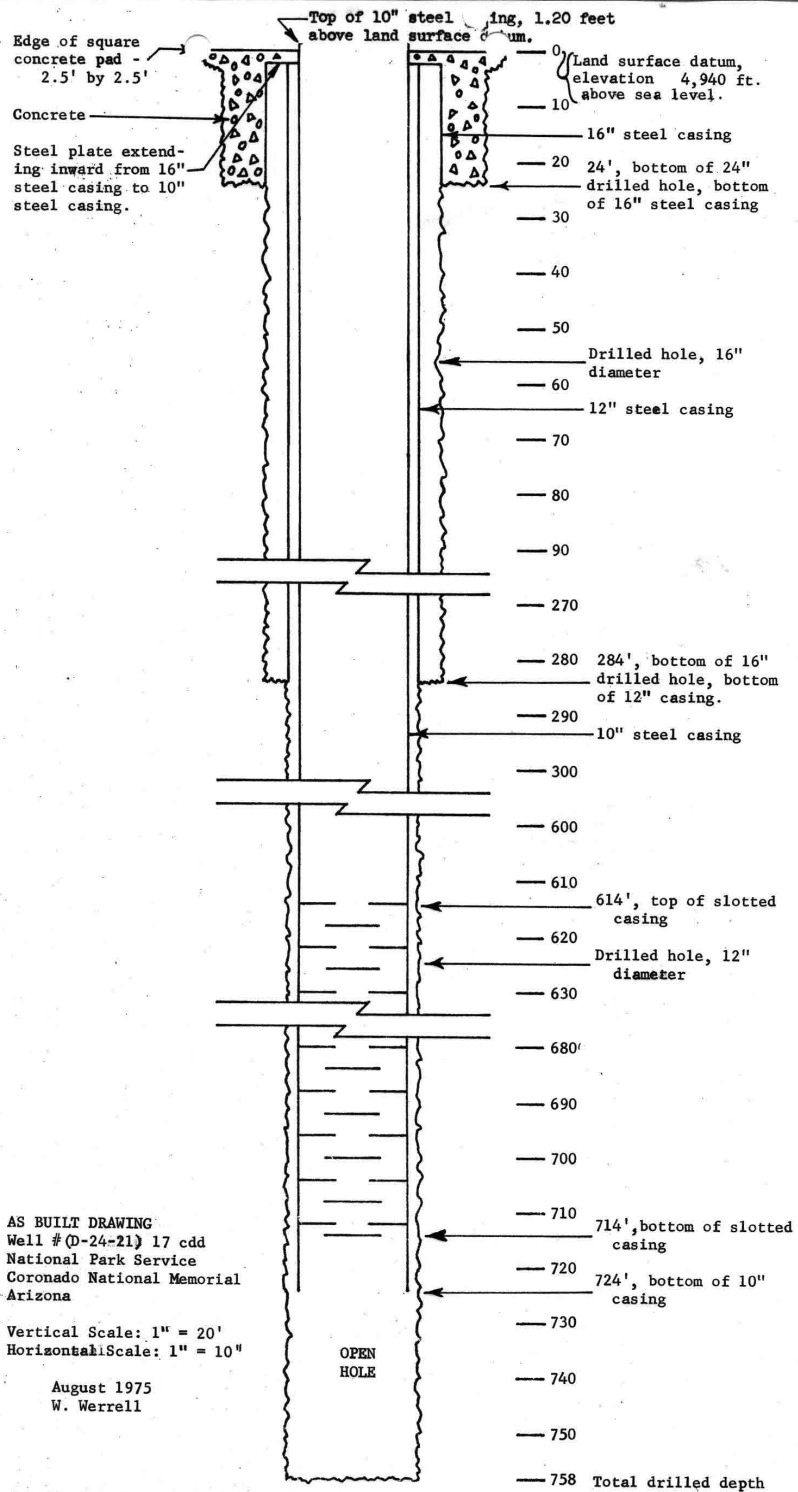
Owner OWNER
Driller Nbr 0
Driller Name NO DRILLER SPECIFIED
Driller Phone
County COCHISE
Intended Capacity GPM 0.00Well Type EXEMPT
SubBasin NO SUBBASIN
Watershed SAN PEDRO RIVER
Water Uses NO WATER USE CODE LISTED
Well Uses NO SITE USE CODE LISTED
Discharge Method NONE
Power NO POWER CODE LISTEDWell Depth 758.00
Pump Cap. 0.00
Draw Down 0.00Case Diam 10.00
Case Depth 724.00
Water Level 624.00
Acres Irrig 0.00Tested Cap 0.00
CRT
Log
Finish STEEL - PERFORATED OR
SLOTTED CASING

Comments |ICO:D W R|PQ:|PQ#:

Current Action

Action History

7/3/1975 755 WELL CONSTRUCTION COMPLETED



(rev. 3/75)

WELL CONSTRUCTION DATA (1):

R-59 = T-0 D M * Entry No 58 = 1 * Date of Construction Completion 60 = 07/03/1975 Source of ① 64 = 0 *
 Name of Contractor/Driller 53 = J R SHARP * Naco, Ariz
 Method of Construction 65 = A B C D H J P R T V W Z *
 Finish 66 = C F G H B P S T W X Z * Type of Seal 67 = B C G Z *
 Bottom of Seal 68 = 16 * Method of Development 69 = A B C J N O S Z * Number of Hours in Development 70 = 12 *
 Special Treatment During Development 71 = C D E F H M Z * None
 chemicals, dry ice, explosives, deflocculant, hydrofracturing, mechanical, other

DIMENSIONS OF THE HOLE CONSTRUCTED (2):

R-72 = T-0 D M * Construction Entry No 59 = 1 *
 New Card for Each Hole Segment Same R, T & Field 59
 Top of Hole Segment Below LSD 73 = 0.00 * Bottom of Hole Segment below LSD 74 = 24.00 * Diameter of Hole Segment 75 = 24.00 *
 73 = 24.00 * 74 = 284.00 * 75 = 16.00 *
 73 = 284.00 * 74 = 758.00 * 75 = 12.00 *
 73 = * 74 = * 75 = *
 73 = * 74 = * 75 = *

CASING SCHEDULE (2)

R-76 = T-0 D M * Construction Entry No 59 = 1 *
 New Card for Each Casing With Same R, T & Field 59
 Top of Casing Segment Below LSD 77 = 2.00 * Bottom of Casing Segment Below LSD 78 = 24.00 * Diameter of Casing Segment 79 = 16.00 * Casing Material ⑧ 80 = S * Thickness of Casing 81 = .312 *
 77 = 2.00 * 78 = 284.00 * 79 = 12.00 * 80 = S * 81 = .375 *
 77 = -1.20 * 78 = 724.00 * 79 = 10.00 * 80 = S * 81 = .250 *
 77 = * 78 = * 79 = * 80 = * 81 = *
 77 = * 78 = * 79 = * 80 = * 81 = *

OPENINGS SCHEDULE (2)

3/16" x 3"
 12 cuts
 per foot.

R-82 = T-0 D M * Construction Entry No 59 = 1 *
 New Card for Each Open Section With Same R, T and Field 59
 Top of Section Below LSD 83 = 614.00 * (Openings Data) 83 = * (Openings Data) 83 = *
 Bottom of Section Below LSD 84 = 714.00 * 84 = * 84 = *
 Type of Opening ⑥ 85 = P * 85 = * 85 = *
 Type of Material ⑦ 86 = S * 86 = * 86 = *
 Diameter of Open Section 87 = 10.00 * 87 = * 87 = *
 Width of Opening 88 = 1.88 * 88 = * 88 = *
 Length of Opening 89 = 3.00 * 89 = * 89 = *

FOOT NOTES:

① Source of Data Codes:

S D B A R L G Z
 reporting, driller, owner, other, geol., other
 agency reported.

⑤ Type of Opening Codes:

L M P R S T W X Z
 horizontal, man, perforated, well, sand, drilled, open, other
 slotted or slotted, wound (unwound), point, hole

⑧ Casing Material Codes:

B C G I M P R S T U W Z
 brick, concrete, galv., wrought, other, PVC or, rock or, steel, tile, material, wood, other
 iron metal plastic stone

⑦ Type of Material Codes for Open Sections:

B C G I M P R S T Z
 brass or, concrete, galv., wrought, other, PVC or, material, steel, tile, other
 bronze iron metal plastic steel

PRODUCTION DATA (1)

R-134-150 T-ADM Entry No. 167-11 Date 168-07-28/1975 *Aquifer test data.*

Discharge 160-44.00 Source of Data 161-0

Method of Measurement 162-B C E M O P R T U V W Z

Production Level 163-702.50 Status Level 164-624.90 Source of Data 165-A

Method of Measurement 166-0 C E G H L M R E Z

Pumping Period 167-5.00

LIFT DATA (1)

R-42 T-ADM Type of Lift 43-A B C J P R T U Z

Pump Intake 44-7.20 Power 45-D E G H L N W Z Entry No. 254-11 *Pump owned by driller.*

Date 36- / / Horsepower 46- / /

MAJOR PUMP DATA (2)

R-47 T-ADM Type of Lift 43-A Lift Entry No. 254-11 Manufacturer of Pump 48- / /

Serial No. of Pump 49- / / Name of Power Company 50- / /

Power Company Account No. 51- / / Power Meter No. 52- / / Pump Rating 53- / /

Person or Company Who Maintains the Pump 54- / / Additional Lift 255- / /

STANDBY POWER DATA (2) (See LIFT DATA for index of fields 43 and 56 below)

R-55 T-ADM Type of Lift 43-A Type of Power 56- / / Horsepower 57- / /

OTHER DATA AVAILABLE (1)

R-100 T-ADM Type of Data 101- / / Location 102-C D M R Z

New Card Same R & T Type of Data 101- / / Location 102-C D M R Z

AVAILABLE LOG DATA (1)

R-108 T-ADM New Card for Each Log Type Same R & T

Type of Log	Begin Depth	End Depth	Source of Data
108-D	200-0.00	201-284.00	202-D
108-D	200-284.00	201-758.00	202-D
108-D	200- / /	201- / /	202-D
108-D	200- / /	201- / /	202-D

WATER QUALITY DATA COLLECTION (1)

R-116 T-ADM Begin Year 116- / / End Year 118- / / Source Agency 117- / /

Frequency of Collection 119- / / Type of Analysis 120- / /

WATER LEVEL DATA COLLECTION (1)

R-121 T-ADM Begin Year 121- / / End Year 123- / / Source Agency 124- / /

Frequency of Collection 125- / /

WATER PUMPAGE/INTAKE DATA COLLECTION (1)

R-122 T-ADM Begin Year 122- / / End Year 128- / / Source Agency 130- / /

Frequency of Collection 131- / / Method of Collection 133-C E M Z

FOOT NOTES:

① Source of Data Codes: *National Park Service*

S D O A R L O Z

Source: driller, owner, other gov't, other, non, postpaid, other reported

② Type of Log Codes: A B C D E F G H I J K L M N P Q

type: color, color, driller's, photo, field, postpaid, magnetic, induction, gauge, slipover, leveling, monitoring, source, p, bar, photo, radio, relay

S T U V Z

type: 1000, gauge, field, other gauge velocity

③ Frequency of Collection Codes: A B C D E F I M S O S Z

interval: bi-monthly, bi-monthly, daily, semi-monthly, monthly, year time, quarter, semi, other monthly only annual annual

④ Type of Quality Analysis Codes: A B C D E F G H J K L Z

physical: common, chemical: trace, pesticides, nutrients, sensory: taste, odor, taste, odor, taste, odor, other

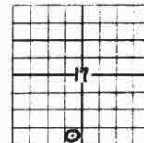
GEOHYDROLOGIC UNIT DESCRIPTIONS (1)			
R = 90 *	T = 0 D M *	Entry No 256 = 1 *	Depth to Top 91 = 0.00 *
add, delete, modify		Depth to Bottom 92 = 284.00 *	
Unit Identifier 93 =	Lithology 96 = ALVM *	Lithologic Modifier 97 =	Boulders, Gravels *
AQUIFER DATA (2)			
R = 94 *	T = 0 D M *	Geohydrologic Unit Entry No 256 = 1 *	
add, delete, modify		Date 95 = 07/28/1975 *	Water Level 126 = 624.90 *
Month day year		% Water Contributed 132 = 1.00 *	
GEOHYDROLOGIC UNIT DESCRIPTIONS (1)			
R = 90 *	T = 0 D M *	Entry No 256 = 1 *	Depth to Top 91 = 284.00 *
add, delete, modify		Depth to Bottom 92 = 758.00 *	
Unit Identifier 93 =	Lithology 96 = VLCC *	Lithologic Modifier 97 =	
AQUIFER DATA (2)			
R = 94 *	T = A D M *	Geohydrologic Unit Entry No 256 = *	
add, delete, modify		Date 95 = / / *	Water Level 126 = *
Month day year		% Water Contributed 132 = *	
PERTINENT REMARKS			
R = 183 *	T = A *	185 = 'AQUIFER TEST BY NPS ON JULY 28, 1975' *	
add		185 = '724 TO 758 IS OPEN HOLE' *	
New Card Same R&T		185 = ' ' *	

NOTES:

Well is located 1,386 feet North of International Boundary, 397 feet West of Eastern park boundary - distances determined by use of 500 foot steel tape.

Sieve analysis of well-cuttings was conducted by USGS, Arizona District (Lab # 3618). Samples of well-cuttings (washed) have been placed in the repository with the State of Arizona, Bureau of Mines, University of Arizona Campus.

This well schedule completed prior to Park Service installation of a pump. Aquifer test conducted under well drilling contract specifications by use of contractor's equipment.



This schedule was filled out by NPS and submitted to USGS, Arizona District, for incorporation into the National Data Base.

Coronado Well #4
(D-24-21) 17 cdd
Update Sheet

This site was visited by William B. Reed of Water Resources on August 18, 1980. The 16 inch casing for this well extends 1.6 feet above the concrete slab at land surface. The casing slab is 2.61 X 2.50 feet and top of slab is 0.30 feet above land surface datum. Depth to water was determined by electric probe to be 623.44 feet below land surface datum. The electric probe line was chained off by steel tape to insure accuracy of the measurement.

W. Reed
9/25/80

Coronado
(D-24-21) 17 cdd
Coronado Well #4



Coronado, Coronado Well #4, looking North. Showing electric probe used to measure static water level (624.44 feet below land surface datum on 8/18/80).



Coronado, Coronado Well #4, looking Northwest. Montezuma Peak is in the background.

William Reed
8/18/80

NATIONAL PARK SERVICE
CORONADO NATIONAL MEMORIAL, ARIZONA

ANALYSIS OF AQUIFER TEST
WELL # (D-24-21) 17 cdd, NPS #4

This well was drilled by the percussion method (cable tool) and the drillers log reports that water was encountered at 640 foot depth and that water rose to 632 foot depth - measurements were taken by drill rig line. Because of the artesian nature of the well, data relating to the barometric efficiency of the well was collected (water levels and corresponding barometric readings taken with a sensitive altimeter - dial is marked in two foot increments) prior to the beginning of pumpage. This was accomplished by placing the altimeter at an arbitrary site, setting the altimeter to that elevation determined by U.S.G.S. topographic map and taking elevation and water level readings at the same time, over a period of several hours. The results are illustrated in Figure 1. The plotted data indicates some degree of correlation, but other variable(s) may be acting which preclude a more positive relationship. Two interpretations of the relationship may be made: (1) a change of 10 feet in elevation is reflected as a 0.03 foot change in water level, or (2) a change of 30 feet in elevation is reflected as a 0.03 foot change in water level. Due to the small magnitude of water level changes reflected, no correction is made for barometric pressure changes on water level measurement data in the analysis of the aquifer test data.

During the test, water level measurements were taken by: (1) use of an electric probe line, and (2) use of an air line. The air line was activated by a small compressor furnished by the contractor. Two pressure gages were installed on the air line - a "Berkly" pressure gage (dial in 2 lb increments) and a "Peerless Direct Reading (in feet) water level gage" (dial in 1 foot increments). The Berkly gage was read to the nearest pound (approximately 2.2 foot water level values) and the Peerless gage was read to the nearest one-half foot.

The electric probe line was used as follows: the line was lowered to the static water level and was then pulled up approximately five feet and the zero point of a steel measuring tape was then taped to the probe line. Water level readings during the test were taken by lowering the probe line to the water surface (electrical meter indicated contact) and reading the footage as shown on the steel tape at the measuring point. During the test, the probe line became entangled (hung) in the well. Upon completion of the test, the probe was still entangled but was freed

by a hard pull, the complete line was retrieved. The line was then measured by use of a 500 foot steel measuring tape. The distance from the exposed wire on the probe to the point at which the zero footage of the steel tape had been attached during the test was determined to be 621.25 feet. Electric probe readings were utilized as the standard for depth to water measurements for the entire test. This was possible because of the correlation established between probe readings and air line readings, which were taken during the first few minutes of the test - see figure 12. After the probe line hung up (became entangled) and could not be utilized, air line readings were recorded, the "drawdown" and "depth to water" figures are appropriately rounded to the nearest 0.5 feet. Prior to the beginning of the test, the Peerless gage was set (by dial rotation) by the driller to the footage which was believed correct.

The test consisted of three periods of pumpage, the first of which had two pumpage rates. The first pumpage period began at 10:07 on July 28 with the discharge valve at "full open" in order to flush any sediment from the top of the foot valve of the pumping column. This pumpage was decreased after 2-to-3 minutes of pumpage. The average pumpage rate was 9.0 gpm - see Figure 2. After 120 minutes, the pumpage rate was increased (stepped up) to the average rate of 16.5 gpm for a period of 180 minutes - see Figure 3 (this period ended at clock time 15:07) - see Figure 6 for plot of drawdown data. The discharge rate was again increased but collection of data was hampered by: (1) electric probe hang-up in the well, (2) an electrical storm which necessitated removal of personnel from the well for personnel safety for a short period, and (3) after 90 minutes of pumping time, the generator engine slowly reduced speed and finally stopped due to mechanical problems. Due to the lack of data acquired during this latter period and the inability to acquire recovery data (probe hung-up and no power supply for operation of the air pump), this latter data will not be analyzed. Water level data acquired during the remainder of the aquifer test was by the use of an air line.

The second pumping period began at 9:24 on July 29. The average pumpage rate was 29.5 gpm - see Figure 4. Pumpage continued for 136 minutes (until 11:40) at which time the generator motor developed an electrical short and slowly decreased speed until it ceased to run about eight minutes later. See Figure 7 for plot of drawdown data. The short was quickly found and corrected and the engine restarted to allow for the collection of recovery data - see Figure 8.

The third pumping period began at 13:05 at an average pumping rate of 44 gpm - see Figure 5. After 82 minutes (14:27) the discharge was reduced slightly in order to prevent drawdown from dewatering the pump. Discharge was slightly adjusted two other times - see Figure 9 for plot of drawdown data. Data indicates that drawdown was complete after 80 minutes. Variations in water level during the latter hours are due to discharge valve adjustments. No boundary effects are indicated by the data. Pumpage was stopped at 23:05 after 600 minutes. Recovery data was collected - see Figure 10 for plot of data. By use of the Theis recovery equation, the transmissivity of the aquifer was calculated to be 26.

Figure 11 indicates that well losses become substantial when well discharge exceeds 30 gpm.

During the aquifer test, field specific conductance readings were taken in order to evaluate the chemical quality of the water. Throughout the test, these readings remained within 20 units of 400 micromhos at 26.0°C. These data indicate that the water produced from the well is of the same source regardless of the pumpage rate and that the water is of excellent chemical quality (considering the total amount of dissolved solids - calculated from the data to be 260 parts per million). However, well drilling contract specifications require the contractor to furnish and install a pump for the aquifer test - these items remain the property of the contractor and are recovered at the conclusion of the contract. This aquifer test was conducted by using a submersible pump attached to a pump column of used oil field pipe. Therefore, the quality of water as determined by the above data may be slightly affected by the used pipe, in which case the installation of a new pump and pipe may provide even better quality water.

During the drilling process, well-cuttings of the drilled material were collected. A sieve analysis of the well-cuttings was done by U.S. Geological Survey, Arizona District, Tucson (Lab. #3618). Samples of the well-cuttings (washed) have been placed in the repository of the State of Arizona, Bureau of Mines, University of Arizona Campus, Tucson.

William Werrell

D 240 210 17 CDD WR 629142 FILE TYPE: REGISTRATION WELL TYPE: EXEMPT

SES

DATE ISSUED: 06 09 982 PLANNED PUMP CAP:

NAME: NATL PARK SVC

IN CARE OF: D W R

BOX 36063

SAN FRANCISCO CA 94102

ACCURACY: NOT VERIFIED

WATER USES:

AREA: OUTSIDE

SUB-BASIN:

WATERSHED: SAN PEDRO RIVER

WELL USES:

COUNTY: COCHISE

OWNER: FEDERAL

DRILLER:

WELL DPTH: 758 FT CASE DIAM: 10 IN

CASE DPTH: 724 FT METH DET:

PUMP CAP:

FINISH: STEEL

ACRES IRR:

YIELD:

DRAW DOWN:

WATER LVL: 624 FT

LIFT:

POWER:

DATE COMPLETED: 07 03 975

POU #1:

POU #2:

STATUS: DATA

OWN

LOG R CRT R PQ NBR:

IPQ STATUS:

ENTER - READ NEXT RECORD

CLEAR TO RETURN TO SELECTION CRITERIA



NATIONAL PARK SERVICE

WESTERN REGION
450-GOLDEN GATE AVENUE, BOX 3606
SAN FRANCISCO, CALIFORNIA 94107

JUN 9 '82

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 Respect John E. Cherry

Howard H. Chapman
Regional Director, Western Region

Enclosures

See attached sheet for bcc's

JUN 9 '82

	Initial & Date
Regional Director	/k/
Deputy Regional Director	/
Administration	/
Park Operations	ML
Plan & Resource Mgt.	/
Comp Prog	/
Communications & P.A.	/
EEO	/
Oper Eval	/
	/
	/
	/
	/
Action Taken	/

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.

Docket Information

Number of Documents in Docket 66
Documents Dated from 9/22/1975 to 3/9/2004
Docket Compiled: 3/14/2012