



WATER-RIGHT DOCKET

Coronado National Memorial

Docket No: 10

HEADQUARTERS WATER SYSTEM; WELL.

Preliminary Docket Information

05-07-2003: Water Rights Summary including withdrawal of wells

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Modified by Alberti April 5, 2002; Modified by Hansen Dec. 20, 2002 and May 7, 2003 (Yellow indicates claims to be withdrawn)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.

Doe No.	WaterSource/Name	San Pedro SOC No.	Date SOC Filed	State Reg. No.	USGS 1/4, 1/4, 1/4	Legal Location 1/4, 1/4, 1/4, Sec. 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	14/82	36-11163	AAD	SENESE 7 (24S21E)	Federal	1880	11/10/78	--	--	--	--	S. WL
02	Joe's Spring #3	39-11129A	14/82	36-11205	AAD	SENESE 12 (24S20E)	Federal	1880	11/10/78	--	--	--	--	S. WL
03	Tunnel Nine Spring	39-11129B	14/82	35-87273	DBD	SENESE 12 (24S20E)	State	12/14/81	3/26/80	--	--	--	--	S. WL
04	Baunkremer Well #2	39-11130E	14/82	35-629138	BCB	NWSWNE 17 (24S21E)	State	1943	3/20/80	86	6	56	35	P.W.L.F
05	Baunkremer Well #3	39-11130F	14/82	35-629137	BCB	NWSWNE 17 (24S21E)	State	1932	3/20/80	124	6	52	35	P.W.L.F
06	Brown Alta. Well (aka Coronado #4)	39-11130B	14/82	35-642742	CDB	NWSESW 8 (24S21E)	Federal	1946	11/10/78	115	6	85	4	P.S.W.L.F
07	Border Well	39-11130C	14/82	35-633159	CDD	SESESW 17 (24S21E)	Federal	7/3/75	11/5/52	758	10	624	30	P.W.L.F
08	Forest Service Well	39-11130H	14/82	55-629141	BCB	Chg to NWSWNE 18 (24S21E)	Federal	?	9/2/80	140.6	5	43.4	--	Chg to P.W.L.F
09	Hazel Well	39-00285	12/29/81	55-642701	BAD	SENESE 11 (24S20E)	State	?	11/10/78	0	0	0	0	W/draw
10	Headquarters Well	39-11130G	14/82	35-633156	BCC	SWSWNE 18 (24S21E)	Federal	5/6/59	9/2/60	98	8	44	35	P.W.L.F
11	Sparks Well #1	39-1113056	4/5/89	35-629638	BBC	SWWNE 13 (24S20E)	State	11/1941	1941	28	5 ft	14	15	P.W.L.F
12	Sparks Well #2	39-1113057	4/5/89	35-629639	BBC	SWWNE 13 (24S20E)	State	1890	1890	365	6 ft	80	0	W/draw
13	Zaleski Well	39-11130D	14/82	No 55 Form	BCB	NWSWNE 17 (24S21E)	State	?	3/20/80	?	?	?	?	W/draw
14	Federal Reserved Water Rights	39-11129	14/82	See Docket Summary		Park Wide	Federal	--	Many	--	--	--	--	10 A/F
15	Montez. Ranch Pond	39-004344	6/13/80	38-4064702	ACB	NWSWNE 17 (24S21E)	State	2/28/77	2/298**	330	6	147	25	P. WL, F
16	Montez. Ranch Well SX5	39-004343A	6/13/80	55-649476	ACB	NWSWNE 17 (24S21E)	State	10/20/75	2/298**	300	6	150	7	P. WL, F
17	Montez. Ranch Well ACB1	39-004343B	6/13/80	55-649460	ACB	NWSWNE 17 (24S21E)	State	6/16/80	2/298**	300	3	150	6	P. WL, F
18	Montez. Ranch Well SX6	39-004343C	6/13/80	55-649477	ACB	NWSWNE 17 (24S21E)	State	6/20/80	2/298**	300	3	150	6	P. WL, F
19	Montez. Ranch Well ADC1	39-004343	6/13/80	55-649479	ADC	SWSENE 17 (24S21E)	State	6/20/80	2/298**	300	6	160	25	Dry - W/draw
20	Montez. Ranch Well X1	39-004343	6/13/80	55-649478	ACB	NWSWNE 17 (24S21E)	State	6/20/80	2/298**	300	6	150	6	Dry - W/draw
21	Montez. Ranch Well SX3	39-004343D	6/13/80	55-507449	ACB	NWSWNE 17 (24S21E)	State	10/16/84	2/298**	300	6	235	15	P. WL, F
22	Montez. Ranch Well SX1	39-004343E	6/13/80	55-507448	ACB	NWSWNE 17 (24S21E)	State	10/18/84	2/298**	300	6	216	8	P. WL, F
23	Montez. Ranch Well ACB2	39-004343F	6/13/80	55-507450	ACB	NWSWNE 17 (24S21E)	State	10/23/84	2/298**	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	2/298**	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	2/298**	340	6	250	--	P. WL, F
26	Montez. Ranch Well ABC1	39-004343I	6/13/80	55-509096	ABC	SWWNE 17 (24S21E)	State	11/9/84	2/298**	310	6	235	25	P. WL, F
27	Montez. Ranch Well ACA2	39-004343J	6/13/80	55-509095	ACA	SESWNE 17 (24S21E)	State	2/28/85	2/298**	340	6	250	30	P. WL, F
28	Montez. Ranch Well ACA3	39-004343K	6/13/80	55-510144	ACA	SESWNE 17 (24S21E)	State	3/27/85	2/298**	340	6	246	--	P. WL, F
29	Montez. Ranch Well ACA1	39-004343L	6/13/80	55-510143	ACA	SESWNE 17 (24S21E)	State	3/28/85	2/298**	340	6	250	--	P. WL, F
30	Montez. Ranch Well ACA4	39-004343M	6/13/80	55-510145	ACA	SESWNE 17 (24S21E)	State	4/3/85	2/298**	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 - SWNWE to DBD - SENWSE per Alberti email dated Feb 26, 2003.

Dockets 4 and 5 - Well registrations 55-633157 and 55-633158 were withdrawn 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 withdrawn 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 withdrawn 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 withdrawn 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 withdraw 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).

CORO WR #1-1

NATIONAL PARK SERVICE
WATER RIGHTS DATA SHEETOrganization
Code 8636Docket
Classification F 8 A
Federal Reserved AlienDocket
Number 01

Source Number 21 of 02

Card #1 1C
Add Change

Site HEADQUARTERS WATER SYSTEM - PRIMARY WELL

Location 1 Township/Range --- T 24 S R 1 E Sec 17 A B C D of A B C D of A B C D
 2 Lat/Long --- Latitude deg min sec N S Longitude deg min sec
 3 Other ---

Card #2 2C
Add ChangeSequence
Number 01 State 04 County COCHISEAcquired by 1 2 3 4 5
Purchase Appropriation Riparian Reservation Other
(Explain in Remarks)Application
NumberCancellation
Date year month dayPermit
NumberCancellation
Date year month dayCertificate
NumberCancellation
Date year month day

Card #3 ☒ 3A 3C
Add ChangeStatus ☒ I
Active InactiveWater System ☒ S
Primary SecondaryType of Source L R S ☒ W
Lake River Spring WellLegal Source S ☒ O
Surface Water Ground WaterPriority ☐ ☐ ☐ ☐ ☐ ☐
year month dayQuantity Vested ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ 1 2 3 4
cub.ft. gal acre ft. miner's in. per 1 2 3 4 5
sec min day month yearQuantity Used ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ 1 2 3 4
cub.ft. gal acre ft. miner's in. per 1 2 3 4 5
sec min day month yearUse of Water ☒ 7 ☒ 6
Primary Secondary(00) None
(01) Wildlife
(02) Stockwater
(03) Irrigation(05) Campground
(06) Domestic
(07) Public Supply
(08) Municipal(09) Recreation
(10) Mining
(11) Power
(12) Fire Protection

(13) Other

Reservation Date ☐ 9 ☐ 6 ☐ 0 ☐ 9 ☐ 0 ☐ 2
year month dayDate of Adjudication ☐ ☐ ☐ ☐ ☐ ☐
year month dayHydrologic Unit Number ☐ 1 ☐ 5 ☐ 0 ☐ 5 ☐ 0 ☐ 2 ☐ 0 ☐ 2Card #4 ☒ 4C
Add Change

Remarks W E L L D R I L L E D I N 1 9 7 5 T O P R O V I D E A N

A D E Q U A T E W A T E R S O U R C E F O R M E M O R I

Card #5 ☒ 5A 5C
Add Change

A L

Card #6 ☐ 6A 6C
Add ChangeCard #7 ☐ 7A 7C
Add Change

Organization Code 8630

Docket Number

Source Number 02 of 02

Card #1

1A	1C
Add	Change

Site HEADQUARTERS WATER SYSTEM SECONDARY WELC

Location Township/Range --- T 2 U S R 2 E Sec 18 A B C D of A B C D of A B C D
N.E. N.W. S.E. S.W. N.E. N.W. S.E. S.W. N.E. N.W. S.E. S.W.

2 Lat/Long --- Latitude deg min sec N S Longitude deg min sec

3 Other ---

Card #2

2A	2C
Add	Change

Sequence Number [0][1] State [0][4] County [C][O][C][H][I][S][E][][][][][][][][][][][][][]

Acquired by	1	2	3	4	5
	Purchase	Appropriation	Riparian	Reservation	Other
	(Explain in Remarks)				

Application Number

Cancellation Date
 year month day

Permit Number

Cancellation Date

year month day

Certificate Number Cancellation Date
year month day

Card #	4A	4C	Remarks
Card #4	Add	Change	W E L C O M E T O S E C O N D A R Y W A T E R S O U R C E F O R
			M E M O R I A L .
Card #5	5A	5C	
	Add	Change	
Card #6	6A	6C	
	Add	Change	
Card #7	7A	7C	
	Add	Change	

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

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.

Dated this 9th day of March, 2004.

/s/ Eddward P. Ballinger, Jr.
EDDWARD P. BALLINGER, JR.
Judge of the Superior Court

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

CORO-0010 57



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 Pettee
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.

STATEMENT OF CLAIMANT FORM FOR OTHER USES¹ SAN PEDRO RIVER WATERSHED SUPERIOR COURT OF MARICOPA COUNTY		<i>For Departmental Use Only</i> File No. 39- _____ Date Filed: _____ WFN _____
1. Claimant Name: <u>USA - National Park Service - Coronado National Memorial</u> Claimant Address: <u>1201 Oakridge Drive, Suite 250</u> City <u>Fort Collins</u> State: <u>CO</u> Zip Code <u>80525</u> Telephone <u>(970) 225-3505</u>		
2. Basis of Claim: A. ☐ Appropriation Right acquired prior to June 12, 1919. 1974 Water Rights Registration Act Registry No. _____ B. ☐ Appropriation Right acquired after June 12, 1919. Application No. _____, Permit No. _____, or Certificate of Water Right No. _____ C. ☐ Decreed water right. Principal litigants, court, date and case no. _____ D. ☒ Right to withdraw groundwater. Grandfathered Right No. _____ E. ☒ Other, describe: <u>SOC 39-11130 B, E, F, and G</u>		
3. Claimed Priority Date: ____/____/____ (month/day/year)		
4. Use: A. ☐ Municipal B. ☐ Commerical or Industrial C. ☐ Mining D. ☐ Stockwatering other than from a stockpond E. ☐ Recreation, Fish & Wildlife F. ☒ Other, describe: <u>See Comments Section 15</u>		
5. Source of Water: A. ☐ Stream: name _____, tributary to _____ B. ☐ Spring: name _____, tributary to _____ C. ☐ Lake or Reservoir: name _____, tributary to _____ D. ☐ Groundwater.		
6. Legal description of the Point of Diversion: (attach additional sheet if required) See Comments Sec. 15 _____ 1/4, _____ 1/4, _____ 1/4, Section _____, Township _____ N/S, Range _____ E/W		
7. If there are Irrigation, Domestic or Stockpond Uses also supplied from the Point of Diversion, describe: _____		
8. Means of Diversion: A. ☐ Instream pump. B. ☐ Gravity flow into a ditch, canal or pipeline. C. ☐ Well: Arizona Department of Water Resources Well Registration No. 55-_____ D. ☐ Other, describe: _____		

¹ See Instructions for explanation of uses in this category

9. Means of Conveyance:

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

10. Place of Use, if other than point of diversion: (attach additional sheet if required) See Comments Sec. 15

County _____	Section _____	Township _____	Range _____
Legal Subdivision _____	_____	_____ N/S _____ E/W	_____
_____	_____	_____ N/S _____ E/W	_____

11. Claimed Right:

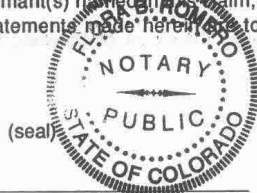
- A. Maximum Flow Rate: _____ ☐ cubic-feet per second
☐ gallons per minute
☐ Arizona miner's inches
- B. Annual Volume of Water Use: _____ acre-feet
- C. Storage Right: _____ acre-feet

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? _____****15. Additional comments:** Remove stockwater as beneficial use on 39-11130 Eand F (Baumkirchner Well #2 and 3). Change completion date on 39-11130F (Baumkirchner Well #3) from 1969 to 1932. Change legal description and place of use for 39-11130G (Headquarters Well) to SWSWNW Sec 18 T24SR21E. Change legal description and place of use for 39-11130B (Tunnel Mine Spring) to SENWSE Sec. 11 T24SR20E.

(attach additional sheet if required)

16. Attach Filing Fee to Form. Mail form(s) and filing fee(s) to: Department of Water Resources, Adjudications Division, 15 South 15th Avenue, Phoenix, Arizona 85007.**17. Notarized Statement:**

I (We), Charles W. Pettee
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 _____

Charles W. Pettee
State of Co, County of LaPlata
Signed before me on this 8th day May
of 2003 by Charles W. Pettee
Notary Public

or, _____
Authorized Personnel of the Department of Water Resources

Flora B. Romero, Notary Public
State of Colorado
My Commission Expires 7/31/2006

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
Denver, CO 80202
Phone: (303) 312-7322
Fax: (303) 312-7379

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.

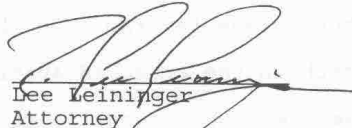
5. The parties agree to bear their own costs and attorneys' fees in connection with this matter.

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 Dyley
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

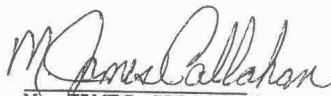
BY:


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

Date: January 7, 2003

CITY OF PHOENIX

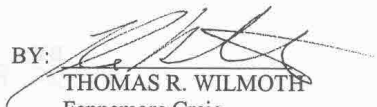
BY:



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

Date: 02/10/03

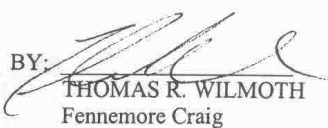
ASARCO INCORPORATED

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 14th 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 14th 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 14th day of May, 2003, to all parties on the Court-approved W1-11-556 mailing list dated December 10, 2002


R. Lee Weinger

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

Coronado National Monument
Water Right #1
Outline of Assembly - Correspondence

1. Memorandum to Superintendent from Regional Chief of Operations,
January 12, 1960
2. Memorandum to Director from Assistant Regional Director,
August 14, 1961
3. Memorandum to Director from Regional Director, August 31, 1961
4. Memorandum to Director from Assistant Regional Director,
Resource Planning, April 23, 1963
5. Memorandum to Superintendent from Assistant Regional Director,
Operations, August 19, 1964
6. Memorandum to Superintendent from Assistant Regional Director,
Operations, July 22, 1965
7. Memorandum to Chief, Branch of Water Resources from Hydraulic
Engineer, May 16, 1966

TENTATIVE OUTLINE

PART I - Land Status

1. Proclamation of November 15, 1952, establishing Coronado National Monument
2. Agreement of October 1958 for Park Service use of Lots 2 and 7, Sec. 18, T 24, R 21 E, in Coronado National Forest for Headquarters until area is added to Monument.
3. Special ^Use Permit of July 7, 1959, to authorize Park Service to use land in E₂¹ E₂¹ NE₄¹ Sec. 13, T 24 S, and R 20 E, and Lot 1, Sec. 18, T 24 S, R 21 E, in Coronado National Forest for reservoir and water pipeline.

PART II - Water Rights

1. Well No. 1.
 - a. Log or record of well.
 - b. Pump test.
 - c. Completion Report

NOTE TO FILE

The Headquarters Well was originally located on land managed by the Coronado National Forest. The land was transferred to the NPS on September 2, 1960 (PL 86-689). The NPS filed a Statement of Claimant (SOC) form (File No. 39-011130) for the well on January 4, 1982. The NPS filed a well registration (55-629139) on June 9, 1982. The well is the primary water source for CORO.

Wm. R. Hansen
May 3, 1995

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



REGISTRATION OF EXISTING WELLS

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

11
Declaration: The United States gives this certification to the State in the interest of comity, 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- 629139FILE NO. D(24-21)18 SubFILED 6-9-82 AT 1:30
(DATE) (TIME)

INA _____

AMA _____

1. Name of Registrant:

National Park Service, Western Region, Division of Water Resources450 Golden Gate Ave., Box 36063, San Francisco CA 94102
(Address) (City) (State) (Zip)

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

35-
(File Number) (Control Number)

3. a. The well is located within the NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 18,
of Township 24 S N/S, Range 21 E E/W, G & SRB & M, in the
County of Cochise.

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

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
public supply, domestic, fire suppression

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 98 feet
b. Diameter of casing 8 inches
c. Depth of casing 8' feet
d. Type of casing steel, slotted from 34 - 74 ft below land surface datum
e. Maximum pump capacity not more than 35 gallons per minute.
f. Depth to water 44 feet below land surface.
g. Date well completed May 6 1959
(Month) (Day) (Year)

8. The place(s) of use of water. If same as Item 3, check this box ☒.

1/4 1/4 1/4, Section _____ Township _____ Range _____1/4 1/4 1/4, Section _____ Township _____ Range _____Coronado National Memorial - Headquarters 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 629139

I request the following information be changed in Well File Number D(24-21)18 b-c

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.

Laurel W. Dale
Superintendent

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 - Headquarters Well 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 - Headquarters Well.
- B. Location of Source (indicate on map): NE 1/4, Section 18, 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: April 13, 1959; Date well placed in use: May 9, 1959.
(Month/Day/Year)
 - (2) Location (10 acre subdivision) (indicate on map): NW 1/4, Section 18, 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: pump. If pump, list type of pump and capacity: submergible - 10 gpm.
 - (5) Casing depth 84 ft. Total well depth 97.9 ft. Diameter of casing 8 inches.
 - (6) Depth to water: 43.8 ft. (Static Level)
 - (7) Annual amount pumped, or otherwise extracted: 3.6 X 10⁵ ~~Ac.Ft.~~ Gallons
 - (8) State purpose of use: domestic.
 - (9) Indicate annual period of use: Jan. 1 to Dec. 31.
(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 - Forest Service Well.
- B. Location of Source (indicate on map): NE 1/4, Section 18, 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: unknown; Date well placed in use: unknown.
(Month/Day/Year)
 - (2) Location (10 acre subdivision) (indicate on map): NE 1/4, Section 18, 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 20 ft. Total well depth 141 ft. Diameter of casing 5 inches.
 - (6) Depth to water: 43.4 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)

- 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 re-
served 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)

ag first duly sworn, deposes and says; That the affiant, or its duly authorized representative, possesses the knowledge and the authorization to execute this affidavit as to the correctness and truthfulness of the matters set forth in the statement of Claimant", except as to those matters alleged upon information and belief, and as to those matters believes them to be true and correct.

Claimant-affiant signature

Claimant-affiant signature

claimant-affiant representative's
signature
Erard S. Witucki
Chief, Division of Water Resources

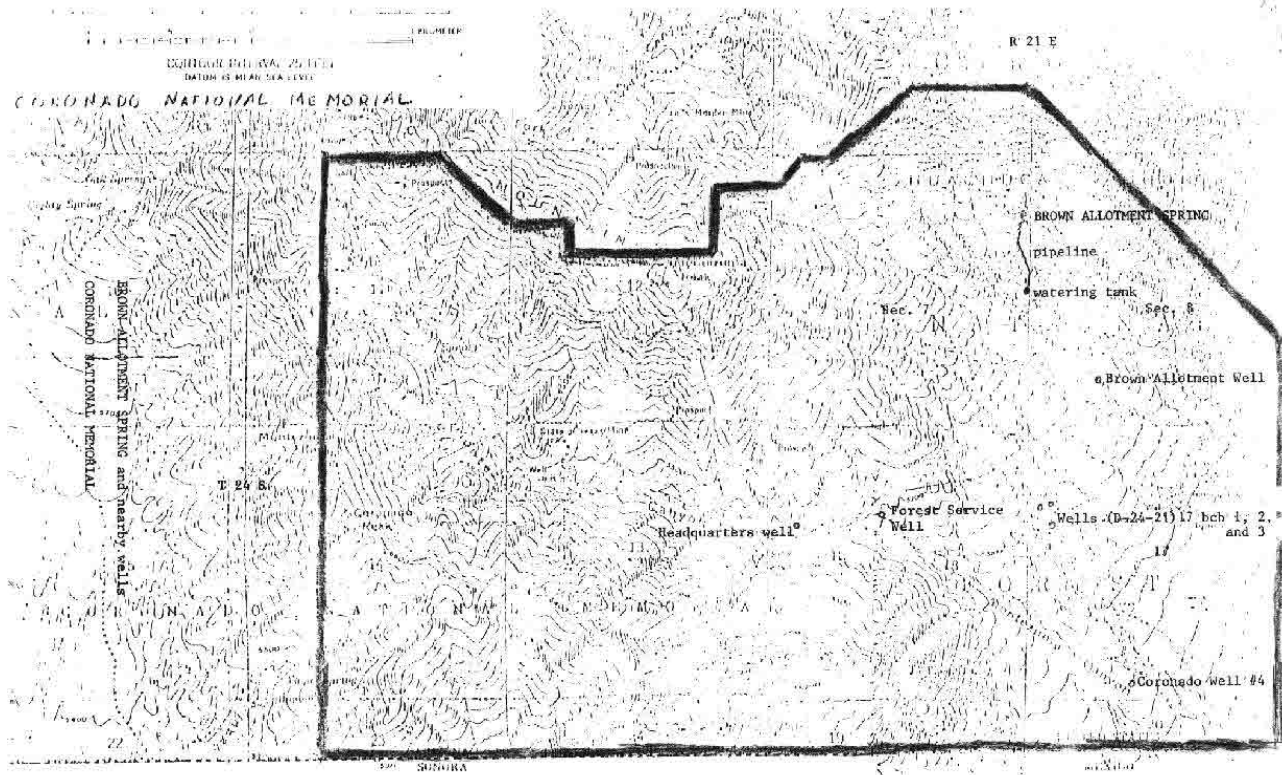
est: _____
Claimant-affiant representative's
signature

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



Mary E. Meredith
Notary Public for ~~authorized Employees of~~
~~the Arizona Water Commission~~

My Commission expires 3/26/85



Land History

ESTABLISHMENT OF THE CORONADO
NATIONAL MEMORIAL

ARIZONA

BY THE PRESIDENT OF THE UNITED STATES OF AMERICA
A PROCLAMATION

WHEREAS section 1 of the act of August 18, 1941, 55 Stat. 630 (16 U.S.C. 450 y), as amended by Public Law 478, 82nd Congress, approved July 9, 1952, provides that for the purpose of permanently commemorating the explorations of Francisco Vasquez de Coronado the President of the United States may declare, by proclamation, any lands within the area therein described to be established as the Coronado National Memorial; and

WHEREAS it appears that the public interest would be promoted by the establishment of the said Memorial on certain of the said lands as hereinafter provided:

NOW, THEREFORE, I, HARRY S. TRUMAN, President of the United States of America, under and by virtue of the authority vested in me by section 1 of the said act of August 18, 1941, as amended, do proclaim and declare that, subject to all valid existing rights, the following-described public lands in the State of Arizona are hereby established as the Coronado National Memorial:

Gila and Salt River Meridian

T. 24 S., R. 20 E.,
sec. 10, S1/2 SW 1/4, S 1/2 SE 1/4;
sec. 11, S1/2 SW 1/4;
sec. 13, SW 1/4 NW 1/4, S 1/2;
sec. 14, NW 1/4, S 1/2, NW 1/4 NE 1/4, S 1/2 NE 1/4;
sec. 15, all;
sec. 22, all;
sec. 23, all;
sec. 24, all;
T. 24 S., R. 21 E.,
sec. 17, lots 5 and 6;
sec. 18, lots 3, 4, 8, 9, 10 and SE 1/4 SW 1/4;
sec. 19, all;
sec. 20, lots 3 and 4.

The areas described aggregate approximately 2,745.33 acres.

- 2 -

Warning is hereby expressly given to all unauthorized persons not to appropriate, injure, destroy, deface, or remove any feature of this Memorial or to settle upon any of the lands thereof as hereby established.

Subject to the provisions of the said act of August 18, 1941, the Director of the National Park Service, under the direction of the Secretary of the Interior, shall have the supervision, management, and control of the lands constituting the Coronado National Memorial in accordance with the act entitled "An Act to establish a National Park Service, and for other purposes", approved August 25, 1916 (39 Stat. 135; 16 U.S.C. 1-3), and acts supplementary thereto or amendatory thereof so far as the provisions of such acts may be applicable.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington this *fifteenth* day of *November*

in the year of our Lord

nineteen hundred and

fifty-two, and of the

Independence of the

United States of

America the one

hundred and seventy-

seventh.

Harry Truman

By the President:
David Bruce
Acting Secretary of State

THE NATIONAL ARCHIVES
AND RECORDS SERVICE
FILED AND MADE AVAILABLE
FOR PUBLIC INSPECTION

NOV 7 2 17 PM '52

FEDERAL REGISTER
DIVISION

2995

Case Designation:

2710
U.S. National Park Service
(Coronado National Memorial)
Water Transmission Line
and Storage, 7/7/59



SPECIAL USE PERMIT

Coronado National Forest.

Permission is hereby granted to U. S. National Park Service

of Hereford, Arizona

hereinafter called the permittee, to use, subject to the conditions set out below, the following-described lands or improvements:

A strip of land 25' wide and 336' long and a parcel of land 100' x 100' in SW corner Lot 1 Section 18, T 24 S, R 21 E and E 1/4 Section 13, T 24 S, R 20 E as shown on attached map designated "N.P.S. Water Storage Tank and Water Line for Coronado National Memorial (June, 1959) (NMEM-Cor-7105)". (No permit required on Lot 2, Section 18, T 24 S, R 21 E - See memorandum of agreement between National Park Service and Forest Service, October, 1958).

This permit covers .42 acres and .08 miles for the purpose of:

constructing and maintaining a water storage tank and water transmission line to supply water to the Coronado National Monument.

The exercise of any of the privileges granted in this permit constitutes acceptance of all the conditions of this permit.

1. In consideration for this use, the permittee shall deposit with the Regional Fiscal Agent, Forest Service, NO CHARGE - REG. U-11(A),

to the Treasurer of the United States in the sum of

(\$) for the sum of

and the sum of

and the sum of

to be paid by the permittee to the Regional Fiscal Agent, Forest Service, in the sum of

Form FS-832
(Revised 12-1-49)

2. Construction or occupancy and use under this permit shall begin within 2 months, and construction, if any, shall be completed within 8 months, from the date of the permit. This use shall be actually exercised at least 365 days each year, unless otherwise authorized in writing.

3. Development plans; lay-out plans; construction, reconstruction, or alteration of improvements; or revision of lay-out or construction plans for this area must be approved in advance and in writing by the forest supervisor. Trees or shrubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and has marked or otherwise designated that which may be removed or destroyed. Merchantable timber cut must be paid for by the permittee. Trees, shrubs, and other plants may be planted in such manner and in such places about the premises as may be approved by the forest officer in charge.

4. The permittee shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.

5. This permit is subject to all valid claims.

6. The permittee, in exercising the privileges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, State, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.

7. The permittee shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.

8. The permittee shall exercise diligence in protecting from damage the land and property of the United States covered by and used in connection with this permit, ~~and shall pay the United States for any damage resulting from negligence or from the violation of the provisions of this permit or of applicable regulations or laws which are applicable to the land covered by the permit, including any costs or damages of the permittee or of the United States or of the permittee's employees.~~

9. The permittee shall fully repair all damage, other than ordinary wear and tear, to national forest roads and trails caused by the permittee in the exercise of the privilege granted by this permit.

10. No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.

11. Upon abandonment, termination, revocation, or cancellation of this permit, the permittee shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site, unless otherwise agreed upon in writing or in this permit. If the permittee fails to remove all such structures or improvements within a reasonable period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and restoration of the site.

12. This permit is not transferable. If the permittee through voluntary sale or transfer, or through enforcement of contract, foreclosure, tax sale, or other valid legal proceeding shall cease to be the owner of the physical improvements situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred in either manner above provided is qualified as a permittee, and is willing that his future occupancy of the premises shall be subject to such new conditions and stipulations as existing or prospective circumstances may warrant, his continued occupancy of the premises may be authorized by permit to him if, in the opinion of the forest supervisor, issuance of a permit is desirable and in the public interest.

13. In case of change of address, the permittee shall immediately notify the forest supervisor.

14. The temporary use and occupancy of the premises and improvements herein described may not be sublet by the permittee to third parties without the prior written approval of the forest supervisor and the permittee shall continue to be responsible for compliance with all conditions of this permit by persons to whom such premises may be sublet.

15. This permit may be terminated upon breach of any of the conditions herein or at the discretion of the regional forester or the Chief, Forest Service.

16. In the event of any conflict between any of the preceding printed clauses or any provision thereof and any of the following clauses or any provision thereof, the preceding printed clauses will control.

17. This permit is subject to the conditions set forth above and to conditions 18

to 25 attached hereto and made a part of this permit.

Date 7/7/59

J. H. Richardson
(Signature of issuing officer)
ACTING Forest Supervisor
(Title)

2710
U.S. National Park Service
(Coronado National Memorial)
Water Transmission Line
and Storage, 7/7/59

18. The permittee shall construct the ditch on a grade which will minimize accelerated erosion. If needed, cross drainages will be constructed to prevent erosion.

19. If deemed necessary by the District Ranger, seeding will be done on the area. The time of year and the quantity of seed required will be determined by the District Ranger.

20. This permit confers no rights upon the permittee to the use of the water involved; such rights must be obtained under State law.

21. In connection with the performance of work under this permit, the permittee agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The permittee agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the Forest Service setting forth the provisions of the nondiscrimination clause. (This notice is Form 28-S-7101-11 (large) and Form 28-S-7101-12 (small)). The permittee further agrees to insert the foregoing provisions in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

22. The permittee shall make the conditions of this permit a part of the obligations of all contractors to whom construction work on the project is given.

23. No storage or transmission of water on the national-forest lands covered by this permit shall be made until the facilities have been constructed in accordance with the approved plans and specifications and the permittee has complied with all terms of this permit and has received written approval from the forest officer in charge.

24. This permit is issued on the condition that the permittee has secured the consent of any person having valid claim to the land.

25. None of the conditions of the permit as set forth herein can be varied or modified, except with the written consent of the Forest Supervisor.

U-USES - Coronado

National Park Service UNITED STATES DEPARTMENT OF AGRICULTURE
 Coronado Nat'l. Memorial FOREST SERVICE
 Transmission Line & Water
 Reservoir



(Designation)

SPECIAL-USE APPLICATION

1. Application is hereby made for a permit to use the following-described lands: Beginning at a point approximately 65 ft. east of the northernmost sixteenth corner on the west boundary of Sec. 18, T. 24 S., R. 20 E., Gila & Salt River Base Meridian; thence north 39 degrees thirty-two minutes west (N 39° 32' W) a distance of thirty-one ft (31'); thence north twenty-one degrees, fifteen minutes west (W 21° 15' W) a distance of four hundred five ft. (405'). (Continued on attached sheet)
 for the purpose of water supply for the Coronado National Memorial.

2. Construction of improvements will begin within 2 months, will be completed within 8 months; the premises will be used at least 365 days each year; will cost approximately \$ will occupy.....miles of National Forest land; will occupy.....acres of National Forest land; and will consist of the following: 50,000 gallon tank and pipeline.

6/8/59

(Date of application)

/s/ Philip Welles

(Signature of applicant)

Hereford, Arizona

(Address)

REPORT ON APPLICATION

(To be completed by Forest Officer)

- General description of the area and adaptability for the proposed use. Outline area on map on reverse side or on separate map sheet if needed to clarify proposed use. Well adapted for the proposed use, see map attached.
- Status of the land requested, including description of any improvements or claims on area. If previously under permit indicate former permit date and permittee's name. National Forest Land
- State approximate amount and kinds of timber to be cut, recommended stumpage prices, method of scaling. None
- Recommendations including any factors which might affect the granting of the permit or future use of the land. I recommend that this permit is granted under free-use.
- List on the reverse side any additional conditions which should be made a part of the permit. Regular clauses in this kind of a permit.

Report submitted: June 10, 1959

(Date)

/s/ E. W. Cottam

(Signature)

District Ranger

(Title)

Report approved:

(Date)

(Signature)

Acting Forest Supervisor

(Title)

FS-866a

(Rev. 9/58)

(Over)

The line so described is the centerline of a strip of land twenty-five feet (25') in width to a point one hundred feet (100') from the northerly end of said line at which point the width of the strip becomes one hundred feet (100') which width is maintained to the end of the line described. The parcel of land so described contains approximately 0.42 acres and is shown in detail on Drawing NMEM-COR-7105 attached to and made a part of this permit."

MEMORANDUM OF AGREEMENT

Between

THE NATIONAL PARK SERVICE AND THE FOREST SERVICE

Relating to the

RECREATIONAL DEVELOPMENT OF THE CORONADO NATIONAL MEMORIAL

WHEREAS, the Forest Service has basic administrative jurisdiction, as a part of the Coronado National Forest, Arizona, over certain lands in Section 18, Township 24 South, Range 21 East, Gila and Salt River Base and Meridian, described as Lot 2 consisting of 35.43 acres and Lot 7 consisting of 39.90 acres, the south boundary of these lots being contiguous with a portion of the boundary of the Coronado National Memorial, which is administered by the National Park Service;

WHEREAS, it appears desirable and in the public interest to facilitate recreational development of the Coronado National Memorial through the construction of administrative and residential facilities and related works on the above described lands and for the accomplishment of this purpose that a cooperative agreement be entered into between the Forest Service and the National Park Service;

WHEREAS, under the Act of August 7, 1946 (Public Law 533, 79th Congress), appropriations for the National Park Service are authorized for the administration, protection, improvement, and maintenance of areas, under the jurisdiction of other agencies of the Government, devoted to recreational use pursuant to cooperative agreements; and

WHEREAS, the Forest Service has no objection to the transfer of said lands from the Coronado National Forest to the Coronado National Memorial pending the enactment by Congress of legislation revising the boundaries of the Coronado National Memorial to include these lands;

NOW, THEREFORE, The Forest Service and the National Park Service do hereby mutually agree as follows:

1. This agreement shall apply to the following described lands: Lot 2 consisting of 55.43 acres and Lot 7 consisting of 39.90 acres, Section 18, Township 24 South, Range 21 East, Gila and Salt River Base and Meridian.

2. It is understood that these lands shall retain their national-forest status as part of the Coronado National Forest until the enactment of legislation by the Congress changing the boundaries of the Coronado National Memorial to include these lands.

3. During the existence of this agreement the Forest Service will make no improvements or conduct any activity on the lands described in Item 1 above that would interfere with development planned by the National Park Service.

4. Subject to the availability of funds, the National Park Service may and will undertake the development, construction, maintenance, and administration of public recreational facilities in the area.

5. The National Park Service will be responsible for the administration and protection of the lands and improvements thereon and shall have jurisdiction of these lands for such purposes.

6. This agreement shall become effective upon approval by the Regional Forester, U. S. Forest Service, and the Regional Director, National Park Service, and shall remain in force and effect until terminated by mutual agreement or until the enactment by Congress of legislation inconsistent herewith.

APPROVED:

Date: October 12, 1958

UNITED STATES FOREST SERVICE

L. H. Darby
acting Regional Forester

APPROVED:

Date: October 16, 1958

NATIONAL PARK SERVICE

Adg
Regional Director

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
3057505	9-6-01	38	off
3073065	9-14-01	42	off
3073084	9-17-01	48	off
3078408	9-19-01	48	off
3078429	9-24-01	38	off
3083753	9-26-01	35	off
3089832	10-4-01	43	off
03113332	10-9-01	43	off
03113348	10-11-01	42	off
03120270	10-15-01	43	off
03126825	10-18-01	43	off
03143060	10-23-01	39	off
03162000	10-31-01	40	off
03180616	11-6-01	42	off
03192885	11-13-01	42	off
03198723	11-15-01	44	off
03216791	11-23-01	43	off
03228689	11-29-01	45	off
03240684	12-3-01	45	off
03264950	12-14-01	45	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
2922808	5-6-01	40	off
2928678	5-9-01	45	off
2945180	5-22-01	38	off
2950704	5-26-01	45	off
2957609	5-30-01	38	off
2964820	6-7-01	38	off
2976464	6-13-01	38	off
2987485	6-22-01	47	off
2999225	6-30-01	38	off
3004693	7-3-01	40	off
3010160	7-9-01	47	off
3015600	7-16-01	38	off
3016270	7-19-01	47	on
3028175	7-27-01	44	off
3033586	8-2-01	45	off
3033494	8-4-01	45	off
3037928	8-10-01	45	off
3038928	8-14-01	47	off
3038928	8-15-01	45	off
3054949	8-21-01	45	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
2806124	12-26-00	47	off
2811607	1-2-01	40	off
2816955	1-11-01	40	off
2817015	1-12-01	48	off
2827810	1-22-01	45	off
2827900	1-26-01	43	off
2838594	2-7-01	35	off
2849343	2-22-01	40	off
2854860	2-27-01	25	off
2854860	2-27-01	11	off JGS F.G.
2860450	3-5-01	37	off
2865944	3-14-01	47	off
2876103	3-19-01	43	off
2882184	3-27-01	47	off
2889650	4-9-01	38	on
2893044	4-10-01	45	off
2893060	4-13-01	50	off
2899834	4-19-01	47	off
2910416	4-24-01	47	off
2916860	5-4-01	45	off

CORONADO WELL #1

	Gals. Pumped	Date	Static Level	Remarks
	2696441	9-13-00	80	off
	2696441	9-20-00	60	off
	2726461	9-26-00	85	on
USGS*	2726405	9-29-00	49.4	off
	2726405	10-2-00	60	off WATER TEST
	27264011	10-4-00	60	off
	2732584	10-10-00	59	off
	2732584	10-13-00	45	off
	2748946	11-1-00	48	off
	2759040	11-8-00	47	on
	2760812	11-9-00	40	off
	2760812	11-11-00	38	off
	2766305	11-15-00	43	off
	2771607	11-21-00	38	off
	2784139	11-29-00	38	off
	2784139	12-04-00	43	off
	2789479	12-08-00	38	off
	2789479	12-09-00	30	off
	2794810	12-14-00	32	off
	2800779	12-22-00	20	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
255213	6-15-00	60	off
255213	6-16-00	60	off
2577000	6-28-00	72	off
2582555	6-29-00	72	off
2583194	7-1-00	60	off
2583194	7-3-00	60	off
2591465	7-6-00	62	off
2598240	7-11-00	73	off
2598240	7-15-00	60	off
2610150	7-17-00	72	off
2611760	7-22-00	62	off
2618047	7-26-00	60	off
2625012	8-2-00	80	on
2630556	8-7-00	60	off
26367.15	8-9-00	62	off
2642555	8-19-00	60	off
2649748	8-22-00	60	off
2649748	8-26-00	60	off
2649748	9-6-00	59	OFF
2656650	7-7-00		off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
2317143	1-14-00	59	off
2323255	1-21-00	59	off
2341991	2-4-00	59	off
2372381	2-29-00	59	off
2372316	3-1-00	59	off
2378220	3-5-00	58	off
2389836	3-15-00	59	off
2402436	3-24-00	61	off
2408463	3-29-00	60	off
2408463	3-31-00	59	off
2419310	4-6-00	72	on
2421402	4-7-00	60	off
2429866	4-13-00	59	off
2435400	4-20-00	59	on
2467765	5-3-00	60	off
2489363	5-17-00	60	3 FE
2508680	5-24-00	75	on
2516975	5-26-00	67	off
2536995	6-7-00	60	off
2544017	6-10-00	60	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
2062384	8-6-99	57	off
2069027	8-12-99	57	off
2072502	8-16-99	56	off
2082548	8-24-99	57	off
2106176	9-10-99	59	off
2118264	9-21-99	57	off
2128200	9-28-99	68	off
2138055	10-14-99	55	off
2144462	10-20-99	53	off
2145925	10-21-99	59	off
2159186	11-4-99	57	off
2173530	11-15-99	57	off
2175360	11-18-99	55	off
2218872	11-24-99	73	off
2243075	12-1-99	75	on
2251210	12-7-99	60	off
2282799	12-14-99	60	off
2285460	12-20-99	58	off
2287398	12-22-99	59	off
2299020	1-5-00	59	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
1752385	1-25-99	56	ON
1757340	1-29-99	47	OFF
1804955	2-26-99	58	ON
1830031	3-8-99	53	OFF
1842714	3-15-99	53	OFF
1858830	3-26-99	48	OFF
1875981	4-5-99	53	OFF
1903969	4-21-99	55	OFF
1911701	4-26-99	54	OFF
1914941	4-30-99	53	OFF
1941544	5-18-99	55	OFF
1955914	5-26-99	57	OFF
1956795	5-28-99	62	ON
1972683	6-3-99	57	OFF
1975481	6-4-99	66	OFF
1994092	6-17-99	56	ON
1995470	6-18-99	55	OFF
2005908	6-22-99	85	OFF
2035625	7-12-99	58	OFF
2041412	7-19-99	55	OFF

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
1489816	7-18-98	45	off
1489816	7-20	30	off
1506409	7-22-98	50	off
1507162	7-23-98	30	off
1509687	7-27-98	50	off
1527197	8-14-98	35	off
1530835	8-17-98	33	off
1532568	8-18-98	50	off
1551200	9-1-98	50	on
1560861	9-10-98	35	off
1562639	9-16-98	35	off
1581600	10-1-98	43	off
1603619	10-16-98	38	off
1605222	10-19-98	38	off
1606076	10-21-98	44	on
1618047	10-28-98	37	off
1632503	11-12-98	47	on
1699041	12-12-98	47	off
1710891	12-22-98	52	on
1734834	1-8-99	47	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
1248505	4-8-98	50	off
1248822	4-8-98	49	off
1249825	4-9-98	58	off
1285794	4-16-98	58	off
1294018	4-23-98	55	off
1301364	4-28-98	49	off
1301400	5-5-98	52	ON
1329680	5-19-98	44	off
135300	5-30-98	50	ON
1365236	6-5-98	45	off
1369482	6-9-98	40	off
1382349	6-17-98	48	off
1388543	6-20-98	50	off
1393168	6-24-98	57	off
1396510	6-29-98	48	off
1412655	7-2-98	54	off
1435080	7-7-98	57	ON
1435080	7-10-98	38	off
1470860	7-14-98	50	off
1489816	7-15-98	38	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
108894	11-23-97	65	OFF
109345	11-26-97	61	OFF
110491	12-3-97	70	OFF
111072	12-11-97	59	OFF
111774	12-21-97	58	OFF
113746	1-4-98	67	OFF
113746	1-7-98	59	OFF
1153800	1-17-98	60	off
1160048	1-27-98	60	off
1172836	2-1-98	59	off
1184005	2-12-98	59	off
1197721	2-23-98	59	off
1202437	2-27-98	58	off
1206357	3-3-98	57	off
1208960	3-5-98	58	off
1218700	3-14-98	57	ON
1224910	3-18-98	51	ON
1229762	3-20-98	55	off
1248505	4-1-98	50	off
1248505	4-7-98	48	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
984990	9-5-97	58'	off
992750	9-11-97	62'	off
998150	9-16-97	59'	off
999400	9-17-97	67'	off
1000230	9-18-97	58'	off
1003065	9-20-97	58'	off
1005475	9-23-97	58'	off
1009765	9-27-97	58'	off
1018310	10-4-97	58'	off
1023122	10-7-97	58'	off
1032450	10-14-97	85' ?	on
1034536	10-16-97	58'	off
1034536	10-17-97	58	off
1046156	10-30-97	59	off
1061280	11-3-97	58	off
106660	11-6-97	58	off
107257	11-11-97	59	off
1080290	11-17-97	65	off
1086200	11-20-97	60	off
1087811	11-22-97	58	off

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
930834	7-30-97	58	off
932451	7-31-97	57	off
933730	8-1-97	58	off
935132	8-3-97	57	off
936904	8-4-97	57	off
938302	8-5-97	58	off
941500	8-6-97	61	off
944617	8-8-97	58	off
	8-10-97		
946101	8-11-97	60	on
947907	8-12-97	57	off
949750	8-12-97	60	on
950603	8-13-97	58	on
952025	8-13-97	85	off
11	8-14-97	59	on
953523	8-16-97	58	off
954962	8-16-97	68	on
963700	8-21-97	58	off
974063	8-28-97	58	off
975964	8-30-97	58	off

1:30

8:45

10:50

6:30 AM

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
801982	5-8-97	45	ON
819795	5-17-97	75	ON
822304	5-23-97	65	ON
835244	5-31-97	58	OFF
848239	6-6-97	50	OFF
857701	6-11-97	58	OFF
858890	6-12-97	69	ON
872270	6-20-97	62	ON
874801	6-22-97	59	OFF
885207	6-28-97	65	ON
887540	6-29-97	69	ON
894495	7-4-97	60	OFF
907790	7-12-97	60	OFF
912158	7-16-97	58	OFF
918739	7-22-97	53	ON
918739	7-23-97	53	ON
925875	7-26-97	0	OFF
925945	7-27-97	59	ON
927143	7-28-97	58	OFF
929041	7-29-97	59	ON

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks - Pump
579578	11-27-96	55'	AUTO
583310	12-2-96	55'	AUTO
591285	12-11-96	55'	AUTO
597700	12-17-96		AUTO
599114	12-17-96	61'	ON
600325	12-20-96	59'	ON
601300	12-22-96	54"	AUTO
606250	12-27-96	54"	AUTO
6004	12-30-96	63'	ON
615.3	1-4-97	55'	AUTO
624743	1-16-97	58'	AUTO
634062	1-26-97	55"	AUTO
639562	1-31-97	55'	AUTO
645435	2-5-97	55'	AUTO
652734	2-12-97	55'	AUTO
678570	3-6-97	65'	ON
699150	3-19-97	58'	AUTO
704580	3-24-97	60'	AUTO
710004	3-28-97	58'	AUTO
759231	4-18-97	52'	AUTO

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
432798	9-26-96	50'	BEFORE PUMPING
448800	9-27-96	56'	AFTER PUMPING
448800	10-2-96	53'	BEFORE
462878	10-3-96	56'	AFTER
462878	10-11-96	48'	BEFORE
480780	10-16-96	52'	
481570	10-17-96	58'	BEFORE
494120	10-18-96	62'	AFTER
494120	10-22-96	53'	BEFORE
509807	10-23-96	65'	AFTER
509807	10-25-96	52'	BEFORE
537868	10-26-96	68	AFTER
537868	11-7-96	68	BEFORE
553467	11-2-96	67 (83)	AFTER
553467	11-6-96	55	BEFORE
556264	11-6-96	62	AFTER
566330	11-15-96	55	PUMP ON AUTO
569512	11-18-96	63	AUTO
574150	11-22-96	58'	AUTO
57775	11- -96	55	AUTO

CORONADO WELL #1

Gals. Pumped	Date	Static Level	Remarks
69410	5-29-96		
83100	6-3-96	30	
129,400	6-8-96		
172700	6-14-96		
193,600	6-16-96		
209060	7-1-96	55	
221057	7-3-96		
241900	7-12-96		
254160	7-16-96	57	
296100	7-26-96		
287410	7-31-96	56	
298870	8-7-96	55	
360160	8-21-96	75	AFTER PUMPING
360160	8-28-96	50	BEFORE PUMPING
387820	8-30-96	61	
404690	9-6-96	55	AFTER PUMPING
404610	9-14-96	53	BEFORE PUMPING
417,100	9-15-96	53	AFTER PUMPING
417,100	9-20-96	53	BEFORE PUMPING
432,700	9-21-96	55	AFTER PUMPING

Log of First Well Hole
on the
Coronado National Memorial
Huachuca Mountains, Cochise County Arizona

The location is per report of December 1, 1958 marked by a stump which may be found by marking off approximately 275 ft. east of the culvert along the road and thence at right angles to the road and southward to a point 50 feet north of the edge of the creek

Scale 3/4" equals 10 ft.
Collar of Hole

The hole was started
4/17/59
The diameter of the
hole was 20" for
feet then
20" inches for 1/2 feet 20

The hole was stopped
at 103 1/2 feet no
water having been found
and none expected
beyond this. A box of
dynamite was set off
in the bottom hoping
to bring in water,
It did not
Operations on this
hole were stopped
April 23, 1959.

Bottom 103 1/2 ft.

(D-24-21) 18bdc

0-10ft. Boulders and Sand
10-20ft. Boulders and Sand
20-30ft. Clay, Granite boulders and Sand
30-40ft. Clay, Boulders of Granite and Sand
Contact of Wash and Altered and Rotten Granite
40-50ft. Rotten Altered Granite
50-60ft. Rotten Altered Granite
60-70ft. Rotten Altered Granite
70-73ft. Silicified Granite and Ledge Quartz
73-80ft. Rotten Altered Granite
80-90ft. Rotten Altered Granite
90-92ft. Silicified Granite and Ledge Quartz
92-100ft. Rotten Altered Granite
100-103 1/2 Silicified granite and Ledge Quartz

Carl Treichel Consulting Geologist

FORM NO 9-1904-A

SITE (D-24-21)18 bcb

Recorded by William B Reed
National Park ServiceU.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER SITE INVENTORY
SITE SCHEDULEDate August 29, 1980Check One ☒ English ☐ Metric Units

GENERAL SITE DATA (1)

Site Ident No 3220441.10.15.1800 RG Number R=0* Transaction T= A D M V *
add, delete, modify, verified

Site-Type 2= C D H I M P T W * Data 3= C U L M * Reporting Agency 4=
collector, drain, sinkhole, connector, multiple, pond, tunnel or, well
field checked, unchecked, location not, minimal
drift accurate data

Project No. 5= District 6= State 7= 04 * County COCHISE 8= 003 *
for town

Latitude 9= 31.8044 * Longitude 10= 110.1518 * Lat-Long Accuracy 11= F T M *
deg min sec deg min sec sec, 5 sec, 10 sec, Min

Local Number 12= D-24-21.18 bcb * Land Net Loc 13= N W S W N W S 18 T 24 S R 21 E *
1/4 1/4 1/4 section, township, range, meridian

Location Map 14= MONTEZUMA PASS * Scale 15= 24000 *

Altitude 16= 5250. * Method of Measurement 17= A L M * Accuracy 18= 12 *
altimeter, level, map

Topo Setting 19= D C E F H K L O P S U V W * Hydrologic Unit (OWDC) 20= 15050202 *
depression, stream, dune, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley, upland
channel flat draw

Date of First Construction/Completion 21= 05/09/1959 * Use of Site 23= A D E G H O M P R S T U W X Z *
month day year anode, drain, geo, seismic, heat, observ, mine, oil or, recharge, repress, test, unused, with, waste, destroyed
thermal reserv ation, gas drawal,

Use of Water 24= A B C D E F H I M N O P R S T U V Y Z *
air cond., bottling, commercial, dewater, power, fire, domestic, irrigation, medicinal, industrial, public, recreation, stock, institution, unused, desal, other
supply

Secondary Water Use 25= H * Tertiary Use of Water 26= F * Depth of Hole 27= 100. * Depth of Well 28= 97.94 * Source of 29= 1 *
Depth Data

Water Level 30= 43.85 * Date Measured 31= 08/18/1980 * Source 33= 1 *
month day year

Method of Measurement 34= A C E G H L M R S T V Z *
airline, calibrated, estimated, pressure, calibrated, geophysical, manometer, reported, steel, electric, calibrated, other
airline gauge pressure gauge logs tape tape electric tape

Site Status 37= D F G H O P R S T V X Z * static water level
dry, flowing, nearby, nearby, obstruction, pumping, recently, nearby, nearby, foreign surface water other
flowing recently pumped pumping pumped recently substance effects
flowing pumped

Source of Geohydrologic Data 36= Pump Used 35= Measuring Point 266= -2.26 * Measuring Point Date 267= 08/18/1980 *
no PLUG SIDE OF CASING month day year

OWNER IDENTIFICATION (1)

R=158* T= A D M * Date of Ownership 159= month day year
add, delete, modify

Name: Last 161= NATIONAL * First 162= PARK SERV * Middle Initial 163= *

OTHER SITE IDENTIFICATION NUMBERS (1)

R=189* T= A D M * Ident 190= Assigner 191=
add, delete, modify

New Card Same R & T Ident 190= Assigner 191=

SITE VISIT DATA (1)

R=186* T= A D M * Date of Visit 187= 08/18/1980 * Name of Person 188= BILL REED *
add, delete, modify month day year

FIELD WATER QUALITY MEASUREMENTS (1)

R=192* T= A D M * Date 193= 08/18/1980 * Geohydrologic Unit 195=
add, delete, modify month day year

New Card Same R thru 195

Temperature 196= 0,0,0,1,0 * Degrees C 197= 18.0 *

Conductance 196= 0,0,0,9,5 * μ Mhos 197= 700. *

Other (STORET) Parameter 196= Value 197=

Other (STORET) Parameter 196= Value 197=

FOOT NOTES:

① Source of Data Codes:

S	D	O	A	R	L	G	Z
reporting, driller, owner, other	logs, geologist, other	agency	reported,				

CORO (HEADQUARTER'S WELL)

WELL CONSTRUCTION DATA (1)

Entry # **60** * **T = A D M** * add, delete, modify

Date of Construction Completion **60** = month day year **60** = month day year

Source of Const. Data **64** = * **64** = *

Name of Contractor/Driller **63** = **J. R. SHARP** **Mr. J. R. SHARP, BISBEE, AZ**

Method of Construction **65** = **A** **B** **C** **D** **H** **J** **P** **R** **T** **V** **W** **Z** *

Finish **66** = **C** **F** **G** **H** **I** **S** **T** **W** **X** **Z** *

Bottom of Seal **68** = * **Method of Development** **69** = **A** **B** **C** **J** **N** **P** **S** **Z** *

Special Treatment During Development **71** = **C** **D** **E** **F** **H** **M** **Z** *

DIMENSIONS OF THE HOLE CONSTRUCTED (2)

Construction Entry No **59** = * **T = A D M** * add, delete, modify

New Card for Each Hole Segment Same R, T & Field 59

CASING SCHEDULE (2)

Construction Entry No **59** = * **T = A D M** * add, delete, modify

New Card for Each Casing With Same R, T & Field 59

OPENINGS SCHEDULE (2)

Construction Entry No **59** = * **T = A D M** * add, delete, modify

New Card for Each Open Section With Same R, T and Field 59

FOOT NOTES:

① Source of Data Codes: **S** **D** **Ø** **A** **R** **L** **G** **Z** *

② Type of Openings Codes: **F** **L** **M** **P** **R** **S** **T** **W** **X** **Z** *

③ Casing Material Codes: **B** **C** **G** **I** **M** **P** **R** **S** **T** **U** **W** **Z** *

④ Type of Material Codes for Open Sections: **B** **C** **G** **I** **M** **P** **R** **S** **T** **Z** *

* Top of casing estimated from photo to be 3.75 feet above land surface datum; measurement was not taken in field.

PRODUCTION DATA (1)

R = 134 146 * T = A D M * Entry No 147 # * Date 148 = month / year *

Flowing, pumped add, delete, modify

Discharge: 150 = * Source of Data 151 = *

Method of Measurement 152 = B C E F M O P R T U V W Z *
bailer, current, estimated, flume, totaling, orifice, pitot tube, reported, trajectory, venturi, volumetric, weir, other

Production Level 153 = * Static Level 154 = * Source of Data 155 = * Specific Capacity 272 = *

Method of Measurement 156 = A C E G H L M R S T V Z *
airline, calibrated, estimated, pressure, calibrated, geophysical, manometer, reported, steel, electric, calibrated, other

Pumping Period 157 = *

LIFT DATA (1)

R = 42 * T = A D M * Type of Lift 43 # A B C J P R S T U Z * Entry No 254 # *
add, delete, modify air, bucket, centrifugal, jet, piston, rotary, submersible, turbine, unknown, other

Pump Intake Setting 44 = * Type of Power 45 = D E G H L N W Z *
diesel, electric, gasoline, hand, LP gas, natural, windmill, other

Date 38 = month / day / year * Horsepower 46 = *

MAJOR PUMP DATA (2)

R = 47 * T = A D M * Type of Lift 43 # * Lift Entry No 254 # * 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 = * Rated Pump Capacity 268 = *

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

R = 55 * T = A D M * Type of Lift 43 # * Type of Power 56 = * Horsepower 57 = * Lift Entry No 254 # *

AVAILABLE LOG DATA (1)

R = 198 * T = A D M * New Card for Each Log Type Same R & T

Type of Log 199 # *
add, delete, modify

Begin Depth	End Depth	Source of Data 1
200 = *	201 = *	202 = *
200 = *	201 = *	202 = *
200 = *	201 = *	202 = *
200 = *	201 = *	202 = *

WATER QUALITY DATA COLLECTION (1)

R = 114 * T = A D M * Begin Year 115 # * End Year 116 # * Source Agency 117 # *

Frequency of Collection 118 = * Network Site 257 = * Type of Analyses 120 = *

WATER LEVEL DATA COLLECTION (1)

R = 121 * T = A D M * Begin Year 122 # * End Year 123 # * Source Agency 124 # *

Frequency of Collection 125 = * Network Site 258 = *

WATER PUMPAGE/WITHDRAWAL DATA COLLECTION (1)

R = 127 * T = A D M * Begin Year 128 # * End Year 129 # * Source Agency 130 # *

Frequency of Collection 131 = * Network Site 259 = * Method of Collection 133 = C E M U Z *
calculated, estimated, metered, unknown, other

OTHER DATA AVAILABLE (1)

R = 180 * T = A D M * Type of Data 181 # * Loc 182 = C D Z * Format 261 = F M P Z *
add, delete, modify

New Card Same R & T Type of Data 181 # * Loc 182 = C D Z * Format 261 = F M P Z *

FOOT NOTES:

① Source of Data Codes: S D G A R L G Z
reporting, driller, owner, other gov't, other logs, geologist, other agency reported

③ Frequency of Collection Codes: A B C D F I M Q S W Z
annual, bi-monthly, continuous, daily, semi-monthly, intermittent, monthly, one time, quarter, semi-weekly, other only annual annual

② Type of Log Codes: A B C D E F G H I J K L M N O P Q
time, collar, caliper, driller's, electric, fluid, geologist, magnetic, induction, gamma, dipmeter, laterolog, microlog, neutron, μ later, photo, radio, active

S T U V Z
sonic, temp, gamma, fluid, other gamma velocity

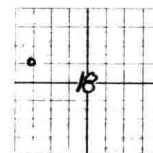
④ Type of Quality Analyses Codes: A B C D E F G H J K L M Z
physical, common, trace, pesticides, nutrients, sanitary, codes, codes, codes, codes, all or, other chemical elements B&D B&E B&F D&E C,D&E most

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)									
R = 90 *	T = A D M *	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 *	Geohydrologic Unit Entry No 256 #							
add, delete, modify									
Date 95 #	Water Level 126 =		% Water Contributed 132 =						
month	day	year							
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 *	Geohydrologic Unit Entry No 256 #							
add, delete, modify									
Date 95 #	Water Level 126 =		% Water Contributed 132 =						
month	day	year							
PERTINENT REMARKS									
R = 183 *	T = A *	185 =							
add									
New Card Same R&T		185 =							
		185 =							

NOTES:

Because this well is located within a floodplain the casing extends for approximately 3.75 feet above the land surface and there is no well house at this site. This well supplies all the water needs for the park. The capacity of the present submergible pump for this well is 10 gpm. George E. Brown reports that the water level in this well varies from 2 feet below land surface (during times that the nearby wash has been flowing near capacity for at least a few consecutive days) to depth of bottom electrode.

W. Reed
10/2/80



Coronado National Memorial
(D-24-21) 18 bcb

Note:

On the site schedule for this well, three items have been left in pencil for the time being. They are:

1. Site Identity Number
2. Latitude
3. Longitude

The reason for this is that the site location determined by W.B. Reed, Hydrologist, Western Region, during the inventory field trip (August 1980) does not concur with the location plotted on Figure 1* (MP-8) and therefore the location of this well should be checked when a trip is made to visit the three unvisited sites (two dry holes and one spring). See hydrologic folder, "three unvisited sites."

* Figure 1 was copied from the report, "Water-supply investigation, Montezuma Pass, Coronado National Memorial, Cochise County, Arizona" by M.E. Cooley and R.L. Laney (U.S. Geological Survey Administrative Report, 1966)

W.B Reed
3/19/81

[illegible]

[illegible]

G.W.

Type Analysis A-1, no Fe sol'n. **USGS** **CHEMICAL ANALYSIS**Account 20NPProject 34State ArizonaCounty CochiseLocation Hereford24S.21E.18.

Latitude-Longitude _____

Well No. _____

Date Collected 2-5-68Owner Coronado Nat'l. Memorial, Hereford, Ariz.Date Drilled 1959

Source Drilled _____

Depth (ft.) 100

Diam. (in) _____

pH..... 7.2 Temp. (°C) _____Hardness as CaCO₃:Total, mg/L 358Noncarbonate, mg/L. 74Color.. 5 Sodium-

adsorption

ratio..... 0.4%Na..... 9 Tons per

acre ft....

Density, g/ml at 20°C _____

W.B.F. _____

Producing Intervals 34 to 54W.L. 29' above _____Sampled after Pumping (Time) 1 hr.Yield Unknown - 11 GMPoint of Collection WellAppearance ClearUse Public SupplyCollected by George Brown

Remarks:

Chemist R.L.B.R. Checked By EFWSWH, EPDate Completed 3-21-68

Date Transmitted _____

Laboratory No. 63331Specific Conductance, micromhos at 25°C 702

Concentrations in milligrams per liter (mg/L)

Silica (SiO₂)..... 29Bicarbonate (HCO₃)..... 347Calcium (Ca)..... 117Carbonate (CO₃)..... 0Magnesium (Mg)..... 16Sulfate (SO₄)..... 88Sodium (Na)..... 17Chloride (Cl)..... 9.8Potassium (K)..... 0.1Fluoride (F)..... 0.2Na+K (calculated)..... 0.0Nitrate (NO₃)..... 0.0

Dissolved Iron (Fe)....

Boron (B)..... 0.02Total Iron (Fe)..... 0.37

Dissolved Solids:

Sum of Constituents..... 448

Residue on Evaporation

at 180°C..... 464

Provisional records, subject to revision

G.W. Analysis A-1 U.S. GEOLOGICAL SURVEY ANALYTICAL NOTES Project NPS Collect AA. Ayers
State Arizona County Cochise City (at or near) Coronado National Memorial See B T 24 S R 21 E Well No. 1
Latitude-Longitude Well No. 24-21-18-000 Date Collected Aug. 24, 1965
Owner U.S. National Park Service, Coronado N.M. Date Drilled Cased to Depth (ft) 100 Diam. (in)

pH 7.4 Temp (°F) 74
 Hardness as CaCO₃ 390
 Total 390
 Noncarbonate 56
 Color 1 S.A.R. 0.3
 % Na 7 T/At 0.65
 Density (%/ml) 1.00
 W.B.F. 1.00
 Producing Intervals 1.2
 W.L. 30 ft below L.S.
 Sampled after Pumping (Time) 3 minutes
 Yield 5 gpm (pump) est.
 Point of Collection at pump
 Appearance Public Supply
 Use Public Supply
 Remarks: OK E. F. WILLIAMS
 Chemist KO Checked By
 Date Completed MAR 24 1966
 Date Transmitted 57929
 Laboratory No. 57929

Spec. Cond. (micromhos at 25°C): T 23.5 R KCl 3.48 v	PPM	EPM
Silica f 51.21 vol 10 o.d. 0.541	28	
Calcium 264 0.00 2.64 vol 10	132	7.80
Magnesium 45.20 25.80 19.50 vol 50	15	1.21
Sodium 0-100 range 10.8	14	0.61
Potassium vol 50-60 0-10 range 4.2 1 0.5	0.5	0.01
Na+K (Calculated)		
Iron f 1.68 v vol 25 In sol.: o.d. Total: o.d. 0.105	0.20	
Bicarbonate 20.40 0.00 20.40 v Carbonate 0.00 0.00 v Sulfate 3.63 0.00 3.63 v vol 10 71 1.48 v Chloride 0.55 1.82 0.09 0.00 0.55 1.82 0.09 0.00 AgNO ₃ 0.5 0.45 1.76 v Fluoride vol 10 o.d. 1.425 0.3 0.02 v Nitrate f 11.4 v vol 10 o.d. 0.005 0.1 0.00 v Boron f 1.32 v vol 1 o.d. 0.012 0.02 Sum of Constituents 471 471 (Residue on Evaporation at 180°C vol 100 51.78% 51.74% 48 dish 1113 0.0480 v TOTAL CATIONS 8.42 TOTAL ANIONS 8.44		

Provisional records, subject to revision 0.17

58 Pocket No. 1

G.W.

Type Analysis A-1

U.S. GEOLOGICAL SURVEY ANALYTICAL NOTES

Project NPS Collector Ayers

State

Arizona County Cochise

City (at or near)

Coronado National Memorial

Latitude-Longitude

Well No. NW 1/4 Sec 18 T 24S R 21EDate Collected June 14, 1965Owner U.S. National Park Service, Coronado National Memorial, Herford, Ariz.Depth (ft.) 100 Diam. (in.)pH 7.5Temp (°F) 70Hardness as CaCO_3 40.5Total 40.5Noncarbonate 52.152Color 1S.A.R. 0.3% Na 8T/ot 0.67Density (g/ml)

W.B.F.

Producing Intervals

W.L.

Sampled after Pumping (Time)

Yield 10 gpmPoint of Collection HeadwatersAppearance Clear

Use

Remarks: drilledChemist KO Checked By LJADate Completed MAR 10 1965

Date Transmitted

Laboratory No. 556233

Spec. Cond. (micromhos at 25°C): T 236 R 348		R Sample 448		(777) 177	
Spec.	Cond.	PPM	PPM	PPM	PPM
Silica	44.4	vol 10	28	430	705
o.d.	0.573				
Calcium	266	vol 10	133	0	2.00
o.d.	0.00				
Magnesium	20.25	vol 10	18	72	1.5
o.d.	0.2025				
Sodium	390.3	vol 50	16	0.2	0.01
range	390.3				
Potassium	10.17	vol 10	1.0	0.4	0.01
range	10.17				
Na+K (Calculated)					
Iron	0.01	vol 10	0.01	0.08	1.08
In sol.: o.d.	0.01				
Total: o.d.	0.01				
Sum of Constituents					
Residue on Evaporation at 180°C					
vol 100	576.4				
dish X-102	0.12				
TOTAL CATIONS	8.82				
TOTAL ANIONS	8.82				

Gravimetric method affected to 0.01%.

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

ANALYTICAL STATEMENT - GW

COUNTY COCHISE

79783

LAB NO 51320

Well No. Well No. 1
Location Coronado Nat'l.
Memorial -30 mi. west of
Bisbee, Ariz. T24S R20E.
Drilled, cased &
covered
Source (type of well) covered
Owner Dept. Int. Nat'l. Park
Service

Date dird 1959 Cased to ft
Depth 100 Diam

Use gravel (granitic)
Producing intervals-year
around

Sampled after pumping 48 hrs

Yield 10 GPM (mean or est)

Pt of well Headquarters

Appearance Clear

Temp (°F) 56 Use Dom. Public Sup.

Collector Park Ranger Ayers

Chemist Lewis J. Alary

Date completed 3/27/63

Checked by E.F. Williams

Date transmitted APR - 4 1963 4 NPS

Date of collection March 3, 1963Ignition Loss Color 3Dissolved Solids 520Residue at 180°C 490Calculated (Sum) 0.71Tons per Acre Foot 405Hardness as CaCO₃ 54Non-carbonate Hardness 8T. No. 8 SAR 0.4 pH 7.4Specific Conductance 768

(micromhos at 25°C)

Remarks: Well has

only been bailed

and tested once

after construction

1959

SiO₂ 29Fe 0.05Total Fe 0.05Ca 6.89 138Mg 1.21 15Na 0.74 17K 0.03 1.1Na + K 8.87HCO₃ 7.01 428CO₃ 0.00 0SO₄ 1.44 69Cl 0.28 10F 0.02 0.3NO₃ 0.01 0.4B 8.72

Provisional records, subject to revision

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

ANALYTICAL STATEMENT - GW

COUNTY Cochise (Ariz)

79783

NPS

LAB NO 54096

Location Coronado Nat'l.
Monument, Ariz.

Source (type of well) Domestic

Owner U.S. Gov't. - NPS

Date dird Cased to ft

Depth 100' Diam

Water level 88 ft

Sampled after pumping hrs

Yield 10 GPM (mean or est)

Pt of well Pump

Appearance Clear

Temp (°F) Use Dom.

Collector Albert A. Ayers, Supv. Pk. Ranger

Chemist LJA

Date completed May 12, 1964

Checked by RLL

Date transmitted

NPS & AGW

Date of collection Apr. 6, 1964Ignition Loss Color 1Dissolved Solids 479Residue at 180°C 466Calculated (Sum) 0.65Tons per Acre Foot 382Hardness as CaCO₃ 50Non-carbonate Hardness 9T. No. 9 SAR 0.4 pH 7.1Specific Conductance 733

(micromhos at 25°C)

SiO₂ 27Fe (total) 0.37Ca 6.29 126Mg 1.35 16Na 0.74 17K 0.02 0.8Na + K 8.40HCO₃ 6.65 406CO₃ 0.00 0SO₄ 1.42 68Cl 0.28 10F 0.02 0.3NO₃ 0.00 0.3B 8.37 0.11

Coronado National Memorial

Figure 1, Table 1, and Table 3 were copied from the report "Water-supply investigation, Montezuma Pass, Coronado National Memorial, Cochise County, Arizona" by M.E. Cooley and R.L. Laney (U.S. Geological Survey Administrative Report, 1966).

cc:

(D-24-20) 11 dbd; MP-6
(D-24-21) 18 bcb; MP-8
(D-24-21) 7 aad; MP-9
(D-24-21) 8 cdb; MP-11
(D-24-21) 17 bcb2; MP-14.

Type of water supply: D, dug well; Dr, drilled well; S, spring.
 Improvements: C, chemical; E, electric; F, flow; P, pipeline; PRT, piped downhill to trough;
 Yields: E, estimated; R, reported.

Use of water: D, domestic; P, public supply; S, stock.

Remarks: C, chemical analysis included in table 3; F, flows all year; I, log available but not included in report.

Well or spring number	Type of water supply	Date developed or completed (month, year)	Topography	Altitude above mean sea level (feet)	Construction data			Water-bearing strata	Hydrologic data				Remarks		
					Depth of well (feet)	Casing or cribbing Diameter of well in inches, dug well in feet	Finish Depth (feet)		Improvements	Static water level	Yield				
MP-1	S		Side of canyon	6,300			14-inch dam at mouth of mine tunnel	14T				3	8-24-65	S	C, F; highest yield of any spring on property; water issues from fractures in mine tunnel.
MP-2	S		Bottom of canyon	6,200			2-foot dam to impound water, filled with sediment.	N				< 1	E	S	Temperatures, 62.8, 63.0 degrees up in early summer.
MP-3	S			5,400			None	N	1 to 2 coarse black in Glance Conglomerate			< 2	E	S	C, F; Yund Spring, made up of several; difficult to measure yield.
MP-4	Dr		Wash, on ter- race above main channel.	5,345				Ts, Tr, W	Basin fill	3.8	10-25-65			S	C; adequate size & supply.
MP-5	S		Mouth of canyon	6,030			Impounded in mine tunnel.	14T	Volcanic rocks, Glance Conglomerate.					S	Temperatures, 61.1, 61.3, placed half a mile downhill to trough; pipe plugged; could not measure yield.
MP-6	S		Side of draw	6,025			4-foot dam in mine tunnel.	PH	Morita Forma- tion.			1		D	C, F; unable to get accurate ground-water temperature.
MP-7	D	1943	Canyon, next to main channel.	5,500	20		Cement cover.	EP, F, Ts	Alluvium			2-3	R	D, S	C; usually adequate supply all year.
MP-8	Dr	May 1950		5,270	100	8	Perforated 20 to 88 feet.	C, Ts	Purple mudstone, Morita Forma- tion, 88 feet thick.	30	5-11-50	2.5 6	8-3-64 7-1-65	D, P	C, F; pumping test, 20 gpm for 2 hours; 100-foot dry hole drilled in canyon a quarter of a mile to the east.
MP-9	S		Steep draw	5,800			Tunnelled up hill about 20 feet, built dam across entrance.	PT	Mudstone, Morita Formation.			< 1	E	S	Piped about 2,000 feet to trough; has never gone dry, C.
MP-10	S		Near head of draw.	6,450			Shall dug to impound water.	Tr	Quartz monzonite.			< 1	R	S	Did not visit or sample
MP-11	Dr	1945	Terrace	5,190	115	6	Lower 40 feet perforated.	Ts, Tr, W	Decomposed quartz monzonite.			4-5	R	S	C; water at 85 feet; rose to 30 feet; dependable supply.
MP-12	Dr	1947	Dissected terrace.	4,640	342	4	315	Ts, W	Basin fill	319	8-64	5	R	D, S	C; deepened from 313 to 312 feet in 1952; reported 135-ton de- cline from 1963 to 1964
MP-13	Dr	1945	Terrace	5,025	200	6	200	EP, Ts	Decomposed quartz monzonite.	180	8-65	5	R	D, S	Temperature, 70°F.
MP-14	Dr	1943		5,110	80	6		Ts, Tr, W	do.			3	R	D, S	Do.
MP-15	D	1937	Stream terrace.	5,350	60	5			do.					D, S	Dry hole
MP-16	Dr	1950	do	5,200	103	6	Sealed.		Sand and gravel.						Do.

Table 3. --Selected chemical analyses of ground water, Montezuma Pass, Coronado National Memorial, Cochise County, Ariz.
 [Analyses in parts per million, except as indicated; analyses by the Soil and Water Testing Laboratory, University of Arizona, with the exception of that by the Geological Survey for well MP-8]

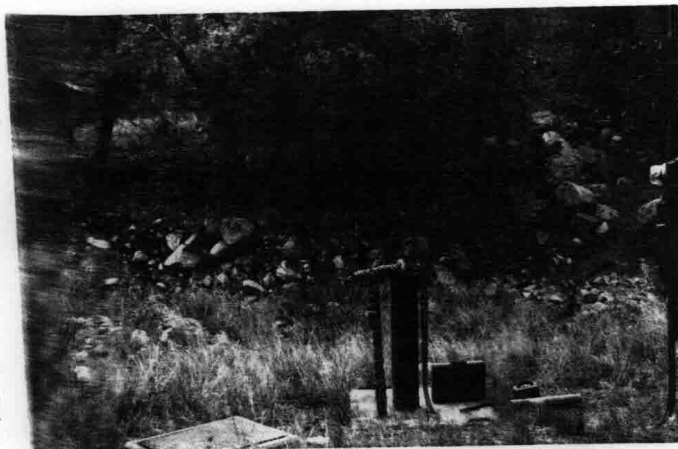
Well or spring number	Date of collection	Temperature (°F)	Silica (SiO ₂)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K) (calculated)	Bicarbonate (HCO ₃)	Car-bonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluor-ide (F)	Nitrate (NO ₃)	Dissolved solids (calculated)	Hardness as CaCO ₃	Percent sodium	Specific conductance (micro-mhos at 25° C)	pH
P-1	Aug. 24, 1965	67	17	108	24	29	353	0	60	16	0.3	3	451	372	14	700	7.8
P-3	do.....	66	14	132	13	21	317	0	122	18	.3	0	476	385	11	700	7.6
P-5	do.....		21	111	11	34	317	0	82	18	.3	1	434	327	19	700	7.7
P-6	do.....		26	76	14	37	239	0	74	14	.3	1	360	248	24	500	8.0
P-7	do.....	65	24	128	23	36	430	0	80	20	.3	0	523	418	16	780	7.4
P-8	Jan. 14, 1965	70	28	133	18	17	430	0	72	8.8	.2	.4	488	405	8	777	7.5
P-9	Aug. 25, 1965	67	19	131	11	26	295	0	124	20	.3	8	454	373	13	760	7.9
P-11	do.....		26	67	9	60	244	0	60	26	.4	1	360	205	39	520	8.0
P-12	do.....		29	50	6	49	200	0	30	16	.3	1	279	151	42	400	7.8
P-14	do.....	68	26	52	13	53	234	0	50	16	.5	1	326	105	38	500	7.6



Coronado
(D-24-21) 18 bcb
Coronado Headquarters Well

Coronado, Headquarters Well, looking North.
Because this well is located within a
floodplain, the casing is extended for
approximately 3.75 feet above the land
surface.

Coronado, Headquarters Well,
looking South. This well is
located in Montezuma Canyon,
west of Headquarters and north
of the entrance road.



William Reed
8/19/80

D 240 210 18 BCB WR 629139 FILE TYPE: REGISTRATION WELL TYPE: EXEMPT

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: MUNICIPAL

AREA: OUTSIDE

SUB-BASIN:

WATERSHED: SAN PEDRO RIVER

WELL USES: WATER PRODUCTION

COUNTY: COCHISE

OWNER: FEDERAL

DRILLER:

WELL DPTH: 98 FT CASE DIAM: 8 IN

CASE DPTH: 84 FT METH DET:

PUMP CAP: 35 GPM FINISH: STEEL

ACRES IRR:

YIELD: 35 GPM

DRAW DOWN:

WATER LVL: 44 FT

LIFT:

POWER:

DATE COMPLETED: 05 06 959

POU #1:

POU #2:

STATUS: DATA

OWN

LOC R CRT R PQ NBR:

IPQ STATUS:

ENTER - READ NEXT RECORD

CLEAR TO RETURN TO SELECTION CRITERIA

CORONADO NATIONAL MEMORIAL, Cochise County, Arizona

The November 10, 1978, Omnibus Parks Bill provided in section 301 (4) for the addition of approximately three thousand and forty acres (3,040 acres) and the deletion of approximately twelve hundred acres (1,200 acres) on the map entitled "Land Status Map 01, Coronado National Memorial (numbered 8630-80-001)." (Public Law 95-625)

Pursuant to that Act an agreement for the transfer of these lands between the Forest Service and the National Park Service has been written. To date the final transfer of management has not occurred. Notice of the final approved transfer or exchange of these lands will be properly published in the Federal Register.

James H. Hershey
Legal Clerk
March 19, 1981

approved:


William Reed

L54
TONT/Water Rgts Gen.
CORO/Water Rgts Gen.
SAGU/Water Rgts Gen.
CHIR/Water Rgts Gen.
(WR)RW

June 19, 1980

~~Reed~~ 6/19
~~Witucki~~ 6/19
~~Albright~~ 6/19
Albright 6/20
Davis
Reg. Dir.
Draft Reviewed by:
Coda

Memorandum

To: Field Solicitor, San Francisco
From: ACTING Regional Director, Western Region
Subject: Assistance requested concerning the Arizona Water Commission adjudication of the San Pedro and the Salt River Basins

As was discussed between Mr. Jim Coda of your staff and the staff of the Division of Water Resources, enclosed are copies of the incoming and proposed responses to the Arizona Water Commission. We request your advice as to these submittals.

Further, as requested by your Office and confirmed by Mr. Steve Carroll of Justice, Washington Office, enclosed are pertinent legislation for each of the parks involved in the adjudication of these watersheds.

(SGD) JOHN H. DAVIS

Enclosures

cc: General Supt., SOAR w/encls.

(WR)RW:Reed:Witucki:ms 6/19/80

note: Each Water Rights Gen. has the information that deals with that park and TONT has incoming plus all pertinent legislation.
Note: See ~~General~~ ^{Water Rights adjudication (ms 1/9/81)} for response from Solicitor & motion for extension of time - *af*

DRAFT

Arizona Water Commission
222 North Central Avenue, Suite 850
Phoenix, Arizona 85004

RE: In Re the San Pedro River System and Source Adjudication

Dear Sirs:

This responds to your letter and notice of March 31, 1980, for the filing of a statement of claimant for the adjudication proceedings on the San Pedro River System. Within this watershed the National Park Service has several parks or portions of parks: all of the Coronado National Memorial, a portion of Chiricahua National Monument, a portion of Saguaro National Monument and a very small corner of Fort Bowie National Historic Site. The latter Historic Site contains no water source in that small portion which lies within the San Pedro watershed.

We have utilized your Statement of Claimant forms to the extent feasible without further extensive field investigation. The following data on estimated water use in these parks or portions thereof are submitted:

	<u>Total Use</u>	<u>Consumptive Use</u>
Coronado National Monument	3650.0 thousand gal./year	3650.0 thousand gal./year
Chiricahua National Monument	2250.0 thousand gal./year	2250.0 thousand gal./year
Saguaro National Monument	135.0 thousand gal./year	0.0 thousand gal./year

Sources and Calculations of Water Use for San Pedro and Salt River Systems

Salt River Basin:

1. TONTO:

Source: per memorandum of November 14, 1979
Use: Total Use: 912.5 thousand gal./year (2,500 gpd)
Consumptive Use: 228.2 thousand gal./year (625 gpd)

San Pedro River Basin:

1. SAGAURO:

Source: per phone conversation on June 17, 1980
Use: Total Use: 135 thousand gal./year
Consumptive Use: 0.0

A. Dear Head Spring: no flow

B. Spud Rock, Turkey Creek and Turtle Creek: all previous diversions have been removed (no capture, no consumptive use). As for non-consumptive use, these springs cause stream flow or contribute to run off only during snow melt, monsoons, etc. (estimate: 5-10 gpm combined flow for a few days of the year). Note: the above ~~total~~ is calculated from this estimate $(5 \text{ gpm}) \cdot (60 \text{ min/hr}) \cdot (24 \text{ hr/day}) \cdot (6.25 \text{ days/month of flow}) \cdot (3 \text{ months of flow/year}) = 135 \text{ thousand gal./year}$

✓ 2. CORONADO:

Source: per phone conversation on June 17, 1980
Use: Total Use: 10,000 gpd (estimate of average consumptive use for the average summer-peak period)
Consumptive Use: 10,000 gpd

Note: No surface flow.

Note: One (1) well, drilled May 1958, is in use, T24S, R21E, section 18, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$. It has been in ~~use~~ *use by* memorial since early 1960's. Depth of Well - 100 ft. Water was reached before TD. Water is used to maintain capacity of 50,000 gal. tank. Well drilled in 1975 is not in use (pipeline never laid)

3. CHIRICAHUA:

Source: per phone conversation on June 17, 1980
Use: Total Use: 2250.0 thousand gal./year (this is an average *annual use* ~~data~~ *data* four years) - data obtained from flow meter records kept for Chlorination purposes).
Consumptive Use: 2250.0 thousand gal./year
Note: No surface flow.

William B. Reed
June 18, 1980

jhh

NATIONAL PARK SERVICE
Western Regional OfficeWR-8
(3/75)

Subject: CORO WR

FRWR potential

MESSAGE RECORD

Date June 6, 1980Routed for: ☒ Information
☐ Central File
☐ Action☐ Incoming Call☒ Outgoing CallTo: FileName and Title U.S. National Forest ServiceRepresenting Santa Arizona officeTelephone No. FTS 474-2444

Address _____

NPS Personnel in on Call James H. HersheyConversation: Called in reference to Coronado National Forest
around Coronado Nat. Mon. —Requested: Dates of establishment of various
Forest Reserves that made up
part or all of Coronado N.F.
(over for list)Needed to establish date for possible Federal
Reserve water Rights arising on land transferred from
Coronado N.F. to CORO.Checking dates and names given did not
produce any legislation of area included in
CORO —Follow-up Action ~~to be~~ Taken:Called back to check on dates;
Talked w/ Dave Parks and Carol Scussel.Follow-up Action Taken: Mr. Scussel gave me date of May 27, 1907
as Pres. Proclamation Creating National Forest around
CORO — this was the Santa Rita N.F. and did not
include any land in CORO. No legislation can
be found for Nat. Forest Land transferred to CORO

original list given by Forest Service:

April 11, 1902 - Santa Rita For. Res. established

Nov. 5, 1906 - Baboquivari For. Res. established

Nov. 6, 1906 - Watteya For. Res. established

Nov 7, 1906 - Tamaqueori For. Res. established

July 2, 1908 → All consolidated into
Coronado Nat. Forest.

Also - July 2, 1908 - Garces For. Res. established

Then it was added to Coronado N.F.
in 1911 -

Only the Santa Rita Legislation could be located.

KEL FOX, CH.
JOHN L. LEIBER, V. CH.
WESLEY E. STEINER
EXECUTIVE DIRECTOR
AND
STATE WATER ENGINEER
VICKIE MOONEY
SECRETARY



BRUCE BABBITT, GOVERNOR
Arizona Water Commission
222 NORTH CENTRAL AVENUE, SUITE 800
Phoenix, Arizona 85004
TELEPHONE (602) 258-7561

MEMBERS
PETER F. BIANCO
MARYBETH CARLILE
GLEN G. CURTIS
W. N. JACK SHAWVER
J. C. WETZLER
EXOFFICIO MEMBERS
ANDREW L. BETTWEY
MARSHALL HUMPHREY

July 18, 1979

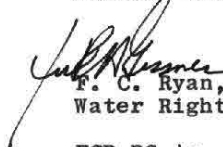
Mr. Tim Kern
Nat'l Park Service/Western Region
Division of Water Resources
P. O. Box 36063
San Francisco, CA 94102

Dear Mr. Kern:

Enclosed are copies of applications for permit to appropriate and Certificate of Water Rights filed in various sections which you identified in your letter of July 13, 1979 in T 24 S, R 20-21 E.

Sincerely,

ARIZONA WATER COMMISSION


F. C. Ryan, Director
Water Rights Administration

FCR:RG:jr

Enclosures

NONE LOCATED WITHIN BOUNDARIES OF CORO NM.
(NONE CLOSE ENOUGH TO INTERFERE WITH AREA RESOURCES)

T. Kern

DATE: July 13, 1979

DOCKET (FILE) TITLE _____

REGION Western AREA Coronado National Memorial

SITE Headquarters Water System

STATE Arizona COUNTY Cochise DOCKET NO. WR #1

LOCATION Primary: SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17 T24S R21E Secondary: SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18 T24S R21E
NW $\frac{1}{4}$ (?)

REGIONAL BASIN _____ LOCAL BASIN _____

ACQUIRED BY Reservation

APPROPRIATION _____ PERMIT _____ CERTIFICATE _____

ACTION DUE _____ PRIORITY _____ RESERVATION September 2, 1960

QUANTITY _____ USE Public Supply & Domestic

STATUS Active SOURCE Ground Water - Well

REMARKS Hydrologic Unit #15050202

NARRATIVE:

In 1958 the Park Service, by agreement with the Forest Service, took over the administration of some lands in Coronado National Forest, to be used as the headquarters site for Coronado NM. These lands were officially added to the memorial in 1960 (Lands maps show the property came from BLM and not the Forest Service; it is unknown exactly what transpired in the process of transferring the land). Some documentation exists that shows the land was originally in private ownership before the Forest Service took it over, though this has not been verified. After the NPS began administration of the site several wells were drilled. The first of these was completed in May of 1958 and is still active today as the secondary source for the area. A dry hole was drilled in 1959 in SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18 T24S R21E, and a well that yielded an inadequate supply (and hence abandoned) was located $\frac{1}{4}$ mile east of the 1958 well, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18 T24S R21E.

In response to a request for an alternate supply for the area a test well was dug. This well was converted to a producing well in 1975 and is now the primary source for the area. A pipeline stretches about a mile to the headquarters area from this well to supply the 5000 gpd needed for area operations.

*up date docket
information wrong*

Compiled by T. Kern

Approved by _____

UNDOCUMENTED SOURCES IN CORONADO NATIONAL MEMORIAL:

Unnamed Spring (SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec.11 T24S R20E) - Part of the "Tunnel Site" inholding, a four inch dam in a mine tunnel catches the water and a pipeline takes it to a house to supply domestic needs. The spring flows continuously at 1 gpm.

Unnamed Spring (SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7 T24S R21E) - Located on land transfered from the Forest Service pursuant to the Act of November 10, 1979, has a continuous flow of less than 1 gpm. A dam across the entrance of a tunnel (dug 20 feet into the side of a hill) catches the water and a 2000 foot pipeline carries it to a trough for stockwatering.

Unnamed Spring (SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec.12 T24S R20E) - Located on land transfered from the Forest Service pursuant to the Act of November 10, 1978, the spring flows at less than 1 gpm. A shaft impounds the water and a nearby trough is used for stockwatering.

Well (NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.8 T24S R21E) - Drilled in 1945 on land transfered from the Forest Service pursuant to the Act of November 10, 1978, this well produces 4-5 gpm. A windmill, water tank and trough exist at the site, which is used for stockwatering.

Well (SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec.17 T24S R21E) - Drilled in 1945 and located on land transfered from the Forest Service pursuant to the Act of November 10, 1978, this well produces 5 gpm. A windmill and tank exist at the site, which supplies water to Montezuma Ranch for stockwatering.

Well (NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec.17 T24S R21E) - Drilled in 1943 and located on the Zalesk Ranch property, this well produces 5 gpm. A windmill, water tank and trough supply the ranch with water for stock and domestic purposes.

Well (SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec.7 T24S R21E) - This is a dry hole dug in 1937 and located on land transfered from the Forest Service pursuant to the Act of November 10, 1978.

<u>INVENTORY OF FEDERAL and ALIEN WATER RIGHT DOCKET FILES</u>				<u>Page 3</u>
L54(WR)ASW (WATER RIGHTS GENERAL FILE)				May 1973
<u>Service Area (Name of Park or Area)</u>	<u>Federal Water Right Docket #</u>	<u>Alien Water Right Docket #</u>	<u>Title of Docket</u>	
<u>Coronado National Memorial,</u> <u>Hereford, Arizona</u>				
1. " " "	WR #1		Headquarters Water System (Wells Nos. 1 and 2) Special Use Permit	
2. " " "		WR #1	Well on State of Texas Mill Site and State of Texas Mill Site Two (Grace M. Sparkes)	
3. " " "		WR #2	Water Storage Tank	

Congress, after finding that continued application of the mining laws of the United States to certain areas of the National Park System conflicted with the purposes for which these areas were established, passed Public Law 94-429 on September 28, 1976. This law will eventually have the effect of eliminating most mining activity in Death Valley National Monument, Coronado National Memorial, and Organ Pipe Cactus National Monument.

Of primary importance is the provision of the Law (section 3) which closes certain areas of the Park System to entry and location for mining claim purposes. By repealing the laws relating to Death Valley NM (Act of June 13, 1933 - 48 Stat. 139) and Organ Pipe Cactus NM (Act of October 27, 1941 - 55 Stat. 745) and amending the Act of August 18, 1941 (55 Stat. 631 - Coronado National Memorial), no new mining locations may be made in these areas.

As to presently existing valid mining locations, the Law initially provides (section 2) that all such claims in the Park System will now be subject to regulation by the Secretary of Interior in order to preserve and manage these areas. Additional development and exploration of valid mining claims in Death Valley NM and Organ Pipe Cactus NM is prohibited for a four year period beginning at the date of the Law's enactment (section 4). However, a proviso here allows the Secretary of Interior to permit some additional development to bring current mineral yields of individual claims up to a level equivalent to average yields for the years 1973-1975.

Within the next two years, the Secretary of Interior is to determine the validity of all unpatented mining claims in Death Valley NM and Organ Pipe Cactus NM, and then submit recommendations to Congress concerning whether the United States should acquire any of the valid claims in the areas covered by the Law. Further, the Secretary is to recommend whether the boundaries of Death Valley NM should be adjusted to exclude valid claims which have large

mineral deposits and thus would be too expensive to acquire.

Two other sections of the Law provide additional methods of eliminating mining locations. Section 8 calls for recordation of all claims made pursuant to the Mining Law of 1872 in National Park System areas within the next year. All claims not so recorded will be presumed abandoned and deemed void. The Law provides for notice of this requirement to be given all claimants. Section 9 states that, upon finding that surface mining activity is threatening a natural or historical landmark, the Secretary shall notify the claimant and the Advisory Council on Historic Preservation of this fact. The Council can then advise the Secretary of any action available to the United States to eliminate the activity.

The Law does provide some relief for aggrieved claimants. Section 11 allows any claim holder who feels that the Law causes him to suffer loss to bring an action in the District Court for just compensation if the Court finds his land to have been taken by the United States. The Secretary is also authorized to give prompt consideration to an offer of sale made by a claimant due to his feeling that continued ownership under the terms of the Law would constitute a hardship.

Thus, it is apparent that the Law has a dual intent. It closes certain areas of the Park System to all further mining claims, and provides for the elimination of presently existing claims. Of course, the Law calls for compensation in requisite cases.

Kevin Kidder
November 5, 1976

Region Three
Santa Fe, New Mexico
September 21, 1959

WR copy
1-25
MIS
J. H.
D. H.
W. H.

Memorandum

To: Superintendent Coronado
From: Regional Chief of Operations
Subject: Pump Capacities as Measure of Water Rights and Part of
Water System Design Record

Your memorandum of August 24 (Code B-5039) supplied data on the recently installed pump at Coronado. This was in reply to our memorandum of March 4.

Apparently we do not have any accurate information regarding the exact location of the well. The correspondence shows it to be near the site selected by Serrano.

Do you know if any representative of W.C.D.C. has made a tie to a section corner and if not can you give an approximate location in relation to NESH-61-3008 or some other recent plan.

(ONE)

David H. Canfield
Regional Chief of Operations

Copy to: Director W/C incoming ✓
W.C.D.C. W/C incoming

CORO



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Seward National Monument
Star Route
Horsford, Arizona

August 24, 1959

WR copy
15039 case

RECEIVED
NOV 27 1950
SEP 8 1950

	Received	Index
SEC. DIR.		
ASST. U.S.		
ADMIN.		
1- ~~RECORDS~~		
IDENT.		
INVESTIG.		
LABORATORY		
PROPERTY		
TRAINING		

References

THE UNIVERSITY OF CHICAGO

Front Superintendent, Corvallis

Subject: Pump Operation and Recovery of Water Rights and Part of Water Section (Public) General

The water pump at Bermuda has just been installed. The following data is given in response to the March 4, 1955 memorandum on this subject.

1. Name of manufacturer ----- Bestley
2. Type of pump ----- submersible
3. Intake pipe diameter in inches ----- 1 1/2
4. Outlet pipe diameter in inches ----- 1 1/2
5. Power unit rating ----- 1 H.P.
6. Serial number ----- 5920491
7. Installed head in feet ----- 54'
8. Rating of pump in gallons per minute under existing head ----- 10 gals.

Philip Willard

Philip Welles
Superintendent

In duplicate
CC: Mr. Carlson

UNITED STATES
I. DEPARTMENT OF THE INTERIOR }
National Park Service

Notice to Claimants of Mining Claims which lie within the
Boundaries of Units of the National Park System

Notice is hereby given that in accordance with Section 8 of the Act of September 28, 1976, P.L. 94-429, all unpatented mining claims which lie within the boundaries of units of the National Park System shall be recorded with the Superintendent of the Unit in which they are located on or before September 28, 1977. Each Superintendent, or his designee, is hereby authorized to receive such recordation.

This recordation shall include, but is not limited to, the following instruments and information:

1. A certified copy of each location notice which shall provide:
Name of claim, locator(s); type (placer, lode, millsite, or tunnel); mineral(s) for which claim was located; date of location; date of amendments or relocations, if any; recording date, book, page, county, and state, where recorded; and a legal description of the lands included in the mining claim(s). If the location notice does not provide all of the foregoing information, it will be attached in a supplement to the location notice.
 - a. If the lands are surveyed, the legal description shall be by either a standard recitation of meridian, township, range, section and subdivision or by metes and bounds with a reasonable tie to an official public land survey monument.
 - b. If the lands are unsurveyed, the legal description shall be by standard recitation of a protraction description from an approved protraction diagram.
2. Plot of claim on a 7.5 or 15 minute series U.S. Geological Survey topographical map if the area is covered by either series. If not, a plot on any other accurate map.
3. Current owner's(s') name(s) and address(es).
4. Copies of recorded proofs of labor with years listed during which labor was completed, from original location to date.

Pursuant to the Act, any mining claim not so recorded shall be conclusively presumed to be abandoned and shall be void. Such recordation will not render valid any claim which was not valid on September 28, 1976, the effective date of the Act, or which becomes invalid thereafter.

John E. Cook
Acting Director, National Park Service

Dated: October 13, 1976

Geological Survey Experimental (1966)		UNITED STATES DEPARTMENT OF THE INTERIOR Ground Water Analysis										Water Resources Division																	
State	Ariz.	County	Cochise	Latitude						Longitude						Seq. No.	19	Date coll.	04 18 67										
Local well No. a	Hereford			Owner b	Coronado Nat'l. Mon.					Collected by	J.J. Pratt					Lab. Anal.	A-1			Project No.	20 NPS-C								
WB#				Appearance	Wc Clear					Wa						Lab. No.	61504					Sampling depth							
Kx106	23.0			R	KCl 450					31	782					35	782												
pH	7.3			Temperature °F	66					36	7.3					41	166												
SiO ₂	5.2			Abs	0.592					38	3.0					44	3.0												
Ca	4.6			10 ml	8.16					42	135					44	6.74												
Mg	2.7			10 ml	1.7					45	1.7					49	1.7												
Subtotal cations (Ca, Mg).....																													
Na O-SO	0.0			10 ml	1.8					50	1.8					54	0.78												
K	0.0			10 ml	0.8					54	0.8					58	0.02												
Subtotal cations (Ca, Mg, Na, K).....																				8.96									
HCO ₃	2.6			50 ml	2.60					56	4.12					60	6.75												
CO ₂	0.0			10 ml	0.00					62	0.00					66	0.00												
Remarks and explanation on other side																													
SO ₄ 4.4 ml 8.7																				1.8									
f 4.4 ml 4.4																				72									
4.34																													
Cl 100 ml 9.9																				9.9									
mg 73 2.07																				78									
Mg-AgNO ₃ 0.5																				2.07									
1.98																													
Source of data d 79																				Card Q									
F 10 ml Abs 0.3																				0.3									
NO ₃ 10 ml Abs 0.0																				0.0									
f-HC 10 ml Abs 0.0																				0.0									
PO ₄ f Abs																													
Abs %																				33 35									
HPO ₄ % H ₂ PO ₄																													
Total anions.....																				8.86									
B 1.401 f 10 ml 0.27																				0.27									
Abs 0.193																				36 38									
Al 10 ml																				39 41									
Abs (Al + Fe)																													
Fe 1.92																				1.92									
Total 2.5 ml Abs 0.02																				0.02									
Dissol. ml Abs																													
Mn f ml																													
Total ml Abs 46																				46									
Dissol. ml Abs																													
Cu ml																				50 52									
Pb ml																				53 54									
Zn ml																				55 57									
Subtotal cations (Al, Fe, Mn, Cu, Pb, Zn).....																													
Subtotal cations (Ca, Mg, Na, K).....																													
Total cations.....																													
Dissolved solids																				513									
Residue at 180° ml																				58									
Dish No. 501																				501									
Calculated																				64 66									
Hardness 8.15																				20									
Ca, Mg 0.00																				40.8									
Noncarbonate 8.15																				70									
Color 1 78-78																				Card R									

Provisional records, subject to revision

State	County	Lat.	Long.	Seq. No.	Date	Samp. depth
61504 Remarks: Source: Drilled well DD: 1959 Depth: 100' Producing intervals from: 33 to 36 WL: 34' below normal Sampled after pumping: 12 hrs. Yield: 11 GM PC: Hdqtrs. Use: Ps						
Br _____ ml				26 28		Radiochemical
I _____ ml				29 31		Alpha (pc/l) 55
Alk. as CaCO ₃				32 38		Beta (pc/l) 58
Free CO ₂				36 38		Ra (pc/l) 61
SAR 0.4				39 41		U (ug/l) 64
RSC				42 44		Other data (67-79) ^e
Organics						Dissolved Solids...ml 100
MBAS (ABS) _____ ml				45 47		44.6836
				48 50		44.6323
				51 54		0.05131
a Master card A (21-34) b Master card A (52-66) c Type: 1. Pumped 4. Spigot 2. Bucket 5. Bailer 3. Forest 6. Special d Source of data: 1. USGS 5. Industrial 2. UPHS 6. Private 3. State Health 7. National 4. State						e Indicate constituent and card color
Chemist LEWIS ALARY E. F. WILLIAMS Date received 1 1967 Date transmitted Punched by Verified						Card S

Provisional records, subject to revision.

L54

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

MAY 16 1986

Memorandum

To: Chief, Branch of Water Resources, WASO
From: Hydraulic Engineer, SSC, Santa Fe
Subject: Chemical Analysis, Coronado National Monument

Enclosed for insertion in Docket No. 1, Coronado National Monument, is the subject analysis taken at the pump as part of the Regionwide campaign on water analysis being conducted for us by the U.S. Geological Survey.

We have inserted a copy in our Docket and by copies of this memorandum are sending them to the Supervisory Hydraulic Engineer, SSC, and the Superintendent, Coronado, for insertion in their Docket.

(SIGNED)

William E. Fields

In duplicate

Enclosure

cc: Supervisory Hydraulic Engineer, SSC, (2), w/enc. ✓
Superintendent, Coronado, w/enc.



IN REPLY REFER TO:

154

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

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

July 22, 1965

W O D C	
JUL 26 1965	
CMF	
ADM	
P & P	
ARCH	
ENGR	
L.A.	
CH. M.P.	
CONTR	
SFTV	
ELEC	
ACTION TAKEN - DATE	

file

Memorandum

To: Superintendent, Coronado

From: Assistant Regional Director, Operations

Subject: Water Analysis, Headquarters Well, Coronado National Monument Docket No. 1

We have enclosed an analysis for the following water source(s):

Headquarters Well

We have placed this information in the correct docket and by copies of this memorandum are sending them to the Director and Chief, WODC, for insertion in their dockets.

George W. Miller

George W. Miller

Enclosure(s)

cc: Director (2), w/enc(s).
Chief, WODC (2), w/enc(s).

65-554



IN REPLY REFER TO:

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

AUG 19 1964

Memorandum

To: Superintendent, Coronado
From: Assistant Regional Director, Operations
Subject: Water Analysis, Headquarters Well, Coronado
National Monument, Docket Number 1.

We have enclosed an analysis for the following water source(s):

Headquarters

We have placed this information in the correct Docket and by copies of this memorandum are sending them to the Director and Chief, WODC, for insertion in their Dockets.

George W. Miller
George W. Miller

Enclosure(s)

cc: Director (2 w/enc. ✓
Chief, WODC (2 w/enc. ✓

W O D C	
AUG 26 1964	
CHF	
ADM	
PERS	
P & P	
ARCH	
ENR	3
L. A.	
SPEC	
CONT	
SFTY	
HABS	
ACTION TAKEN DATE	
Fik	
Pickay 9-1	

64-611

Form 19-174 (June 1962)		UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE		Work Order No. <u>B-7 60P</u>	
FACE SHEET FOR COMPLETION REPORT				Fund Symbol <u>11X1035</u>	
Park <u>Coronado National Memorial</u>		Region <u>Southwest</u>		Year Programmed <u>1963 FY</u>	
Location in Park <u>Headquarters</u>		State(s) <u>Arizona</u>		PCP No. <u>B-7-1, B-8, B-9, B-10, M-6, U-5, U-6, U-7</u>	
		County or Counties <u>Cochise</u>		Master Plan No. <u>NMEM-COR-3027-A, 3028, 3024-A, 3025-A, 3030</u>	
☒ Contract and/or ☒ Day Labor				Master Plan Corrected By <u>3031</u>	
Work Order Title <u>Equipment Storage and Utility Building, Employee Residences (2), Comfort Station, Picnic Area, Utilities (Sewer and water extensions) for Residences, Utility Building and Picnic Area.</u>				As Built Drawings By <u>A. A. Ayers, Suprv. Park Rang.</u>	
				Date Started <u>7/13/63</u>	
				Date Completed <u>1/15/64</u>	
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)				TOTAL COSTS (For completion by FFO)	
100.6 BUILDINGS				96,170.40	
100.8 UTILITIES					
Water System				7,493.22	
Sewer System				21,787.61	
100.30 EQUIPMENT, ALL OTHER					
Ranges, electric, 120/240 Volt, 60 Cycle (2)				197.80	
Refrigerator, Household, Gibson (2)				340.00	
TOTAL				\$ 125,989.03	
DISTRIBUTION		THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES			
No.	To	Submitted	Title	Date	
1	WASO	By: <u>Philip Wells</u>	Superintendent	3/12/64	
2	SW Region	By: _____			
1	WDC	Approved	Title:	Date:	
1	Coronado	By: _____			
COSTS VERIFIED		Title:		Date:	
BY <u>Henry Alarid</u>		Regional Accountant		4/23/64	

2

Utilities

The utilities for the residences, utility building and picnic area comfort station consisted of the sewer system, involving one 3000 gallon septic tank, one 2000 gallon septic tank and one 750 gallon septic tank, four manholes, 820 feet of vitrified clay sewer pipe, 150 feet of 6" cast iron pipe, 30 feet of 4" cast iron pipe, one sewage seepage bed and 162 feet of four-strand barbed wire fence.

The water system consisted of 260 feet of 4" cement asbestos water pipe, 3 3/4" fire hydrants, 600 feet of 2" galvanized water pipe, one 2" gate valve and box, two 1" valves and boxes, 40 feet of 1 1/2" galvanized steel pipe, 540 feet of 1" galvanized steel pipe and three 3/4" water hydrants.

Work Accomplished: Contract # 14-10-0333-1084.

Bids for construction of the project were opened June 29, 1963.

Three bids were received with the Krupp and Sons Construction Company, Nogales, Arizona being the low bidder with a bid of \$108,101.00. Notice to proceed was issued July 15, 1963 and acknowledged by the contractor on July 18, 1963.

Construction started immediately afterwards.

On September 3, 1963, a request to use foreign made burnt adobes was made after a Finding of Facts on quality and prices was made. Authorization was given September 9, 1963.

Change Order #1, to provide Franklin type fireplaces in lieu of superfluous electric heaters and to provide double instead of single sinks was requested September 25 and approved October 11, 1963. No additional cost was involved.

A final inspection was made January 15, 1964 and the work was accepted subject to a short punch list. Supervision and layout of the work was by the Western Office of Design and Construction.

Day Labor Part: Curtain rods were purchased and installed in the residences. Total cost for the day labor portion was \$61.59.

All work resulted in usable facilities.

Southwest Region
Santa Fe, New Mexico

154
CORO

APR 23 1963

Memorandum

To: Director

From: Assistant Regional Director, Resource Planning

Subject: Water Analysis of Water at Coronado National Memorial

Enclosed is a copy of a water analysis made by the U. S. Geological Survey of waters taken from Well No. 1 at Coronado.

We have placed a copy of this analysis in our Docket No. 1 and by copies of this memorandum are sending them to WDC and Superintendent, Coronado, for insertion in their dockets.

(SIGNED)

Leslie P. Arnberger

In duplicate

Enclosure

cc: WDC (2), w/enc. ✓
Superintendent, Coronado, w/enc.

W O D C	
APR 25 1963	
CHF	
ADM	
PERS	
P & P	
ARCH	
ENGR	4/13
L. A.	
SPEC	
CONT	
SFTY	
HABS	
ACTION TAKEN - DATE	
1. [Signature] 4/25	
2. [Signature] 4/26	
3. [Signature] 4/26	
4. [Signature] 4-29-63	

Region Three
Santa Fe, New Mexico

154

Memorandum

To: Director

From: Regional Director

Subject: Water Right Docket No. 1, Coronado National Memorial

Attached are excerpts from the completion report of the construction project, Coronado National Memorial, on the water supply and distribution system, as requested in memorandum from the Chief of the Water Resources Section on July 24.

The following pages are attached:

1. Cost analysis for the well and water line. (2 pages)
2. Narrative statement describing the water supply distribution system. (4 pages)
3. Log of first well hole by Carl Trischka, consulting geologist. (1 page)
4. Report on proposed second well site by Carl Trischka. (1 page)
5. Log of second well hole by Carl Trischka. (1 page)

We have inserted these items in our Docket No. 1 and by copies of this memorandum are sending them to Chief, WODC and Superintendent, Coronado National Memorial, for insertion in their docket.

Thomas J. Allen
Regional Director

In duplicate

Attachments

Copy to: Chief, WODC (2) w/attachments
Supt., Coronado w/attachments

W	D	C
9/3/51		
CHF		
ADM		
ERS		
P&P		
ARCH		
ENGR		
L.A.		
SPEC		
CONT		
SFTY		
ACTION TAKEN - DATE		
None		

**Region Three
Santa Fe, New Mexico**

LS4

Memorandum

To: Director
From: Assistant Regional Director
**Subject: Water Right Docket No. 1, Sparkes Property, Coronado
National Memorial**

This will acknowledge Mr. Dunn's memorandum of July 24 requesting additional records for inclusion in Part II of Docket No. 1, the wells drilled at Coronado National Memorial.

Mr. Fields is currently on military leave and the information requested will be supplied shortly after he returns on August 21.

**George W. Miller
Assistant Regional Director**

In duplicate

Blind: W. E. Fields

JEKell:eh 8/14/61





UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D.C.

IN REPLY REFER TO:

154-QEL

July 24, 1961

RECEIVED	
NPS REGION THREE OFFICE	
JUL 26 1961	
SEARCHED	DATE
RES. DIR.	
ASST. R.D.	
ADMIN.	
RECREATION	7/26
RANGER ACT.	
INTERP.	
RECREATION	
REL.	
SOLICITOR	
FILE	

Memorandum

To: Regional Director, Region Three

From: Water Right Docket 1, Coronado

In a search of our records on the Sparks property, I find that no map or well records have been supplied for Part II of Docket 1 as suggested in the memorandum of January 28, 1960 from Mr. Berte.

There should apparently be one record of the unsuccessful well drilled under Contract 14-10-333-477, and another for the successful well drilled under Contract 14-10-333-491. There should also be a completion report for the portion of Contract 14-10-333-510 relating to the water system, but I cannot even determine whether the protested payment has been settled.

Contract 14-10-333-510 refers to Drawing 3009-B for the general plan, of which no copy appears to be in this office; and to Drawing 3018 for the water system, but that does not appear to show the well location.

I am adding to the docket (1) Mr. Wells' memo of August 24, 1959, with pump data; (2) Mr. Canfield's memorandum of September 21, 1959; and (3) Mr. Wells' memorandum of September 30, 1959, which locates the well from NPS Monument CNM-3. We do not appear to have received a copy of Mr. Wells' sketch, and will not need it if a more complete plan of the water system is supplied. If a topographic map of the Headquarters area shows CNM-3, the wells, and the section or property corners, the ties can be computed with sufficient accuracy by scaling, without further field survey.

A. van V. Dunn
A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Coronado

154 Cor

CR
orig
B-5039
-L-94

Region Three
Santa Fe, New Mexico

JAN 12 1960

Memorandum

To: Superintendent, Coronado

From: Regional Chief of Operations

Subject: Easement for Water and Distribution Lines, U. S. Forest Service Lands, Coronado

Mr. Bill's memorandum of October 14 requested the loan of the subject easement in order that copies could be prepared.

The copies were reproduced by the Bureau of Land Management and considerable delay was experienced because that agency moved to a new office building and their photostat equipment was not in operation for several weeks. Your signed copy of the permit is returned together with your file copy of Mr. Bill's memorandum of October 14.

We have retained one complete assembly in this office and have transmitted one assembly to the Washington Office and WODC for their files.

SIGNATURE

Jerome C. Miller
Regional Chief of Operations

Attachments

Copy to: Director (2) w/1 assembly
Chief, WODC (2) w/1 assembly ✓

W O D C	
JAN 14 '60	
CHF	
ADM	
P & P	
ARCH	
ENGR	4/1/4
COORD P/S	
ACTION TAKEN-DATE	
None	

7/2

1 Mr. Miller
2 Mr. Miller
3 Mr. Miller
4 Mr. Miller
5 Mr. Miller
6 Mr. Miller
7 Mr. Miller
8 Mr. Miller
9 Mr. Miller
10 Mr. Miller
11 Mr. Miller
12 Mr. Miller
13 Mr. Miller
14 Mr. Miller
15 Mr. Miller
16 Mr. Miller
17 Mr. Miller
18 Mr. Miller
19 Mr. Miller
20 Mr. Miller
21 Mr. Miller
22 Mr. Miller
23 Mr. Miller
24 Mr. Miller
25 Mr. Miller
26 Mr. Miller
27 Mr. Miller
28 Mr. Miller
29 Mr. Miller
30 Mr. Miller
31 Mr. Miller
32 Mr. Miller
33 Mr. Miller
34 Mr. Miller
35 Mr. Miller
36 Mr. Miller
37 Mr. Miller
38 Mr. Miller
39 Mr. Miller
40 Mr. Miller
41 Mr. Miller
42 Mr. Miller
43 Mr. Miller
44 Mr. Miller
45 Mr. Miller
46 Mr. Miller
47 Mr. Miller
48 Mr. Miller
49 Mr. Miller
50 Mr. Miller
51 Mr. Miller
52 Mr. Miller
53 Mr. Miller
54 Mr. Miller
55 Mr. Miller
56 Mr. Miller
57 Mr. Miller
58 Mr. Miller
59 Mr. Miller
60 Mr. Miller
61 Mr. Miller
62 Mr. Miller
63 Mr. Miller
64 Mr. Miller
65 Mr. Miller
66 Mr. Miller
67 Mr. Miller
68 Mr. Miller
69 Mr. Miller
70 Mr. Miller
71 Mr. Miller
72 Mr. Miller
73 Mr. Miller
74 Mr. Miller
75 Mr. Miller
76 Mr. Miller
77 Mr. Miller
78 Mr. Miller
79 Mr. Miller
80 Mr. Miller
81 Mr. Miller
82 Mr. Miller
83 Mr. Miller
84 Mr. Miller
85 Mr. Miller
86 Mr. Miller
87 Mr. Miller
88 Mr. Miller
89 Mr. Miller
90 Mr. Miller
91 Mr. Miller
92 Mr. Miller
93 Mr. Miller
94 Mr. Miller
95 Mr. Miller
96 Mr. Miller
97 Mr. Miller
98 Mr. Miller
99 Mr. Miller
100 Mr. Miller

Coronado National Memorial
Star Route
Hereford, Arizona

September 30, 1959

WRoff
L 54

Price
De Lee
SWR

Memorandum

To: Regional Director
From: Superintendent, Coronado
Subject: Location of Well Site, Coronado

This is in reply to Mr. Canfield's memorandum of September 21 by which he inquired about the location of the well site at Coronado.

The attached map shows the site marked in. Supervisory Civil Engineer scaled the site in from his data.

The location of the well as given by Mr. Hall is S 71° -12' -09" E at a distance of 204.89 feet from Monument CHM3. Coordinates are N 125,764.36 and E 473,221.48 for Monument CHM2 so that coordinates for the well are N 125,607.74 and E 472,033.23.

Please return the attached map when you are through with it.

In duplicate w/ attachment
CC: The Director
WQEC (2)

Philip Welles
Philip Welles
Superintendent

PERSONAL SERVICES	EQUIPMENT	MATERIALS AND SUPPLIES	
OTHER			
Contract 4,828.75 14-10-33-422, 491			
CHANGE ORDERS			
ORIGINAL CONTRACT AMOUNT \$6,190.00 (both contracts)	FIRST 416.75	~~2,625.00~~ underruns -1,778.00	THIRD
FINAL CONTRACT AMOUNT 4,828.75	FOURTH	FIFTH	SIXTH

Form 10-174
(Rev. 1/56)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT 7 SPL

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION	AREA	COUNTY	STATE
PROJECT OR JOB TITLE			PCP NO.
LOCATION IN AREA		MASTER PLAN NO.	BUILDING NO.
WORKING DRAWING NO. AND TITLE			
APPROPRIATION TITLE AND SYMBOL			ACCOUNT NO.
CONTRACT NO.		DATE WORK STARTED	DATE WORK COMPLETED
NAME OF CONTRACTOR		ADDRESS	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Water system portion (14-10-333-510)			
Steel reservoir, 50,000 gal. complete	1		10,691.00
6" A.O. Water Line	2014'	6.55	13,191.70
4" A.C. Water Line	360'	5.60	2,016.00
2" galv. water line	180'	5.51	991.80
1" galv. water line	130'	5.13	666.90
4" fire hydrant	4 ea.	380.50	1,522.00
thrust blocks	8 ea.	5.84	46.72
Gate valve	1 ea.	136.00	136.00
Job Pump Complete (Berkely 10 gal./ min.)			1,393.00
Total water system portion of contract			30,655.12
		Sub	
		TOTAL	30,655.12

Narrative Statement

Water Supply and Distribution System and Sewage Disposal System
Coronado National Memorial

Description: This project called for the drilling of a well, the construction of a water system serving two residences and an administration building and the construction of a sewage disposal system serving the same buildings.

Work Accomplished: The work included the drilling of an adequate well, installation of a pump, water lines, water storage tank and all necessary fittings and connections, the installation of two septic tanks with drainage fields with all fittings, cleanouts and connections.

Project Activities: Water Well

On December 1, 1958, Mr. Carl Trischka, Warren, Arizona, was engaged as a consulting geologist to locate a water well site and to advise in the drilling and development of the well.

He located a site just north of Montezuma Creek and directly across the road from the proposed administration building site. It was decided to drill a 20 inch hole to a minimum depth of 60 feet and to case the well, if water were found, with 20 inch O.D. casing. Invitations to bid were released on January 16, 1959 and opened on February 10. Mr. J.R. Sharp, Bisbee, Arizona, was awarded the bid, Contract No. 14-10-333-477, to the amount of \$3980.00.

Mr. Sharp started drilling on April 13 and continued drilling to a depth of 103½ feet at which point the consulting geologist advised to stop drilling. During this period a stop order was issued to Mr. Sharp when he had reached a depth of 75 feet. Before abandoning and filling the dry hole, a case of dynamite was shot off at the bottom as a last resort. This was purchased by F.P.O. CORO 33-103.

Mr. Trischka then located another site several hundred yards upstream from the original site and just below the residential area site. Mr. Sharp was awarded negotiated contract No. 14-10-333-491 to the amount of \$2210.00 to drill a 75 foot, 10 inch hole and to case it with 8" I.D. casing. The contract provided for 10 hours of development and bailing and reaming and grouting for ten feet.

Drilling at this site was started May 9. Water was found at about 32 feet and estimated, from preliminary bailing, to flow at approximately 10 gallons a minute. On the advice of the geologist, an extra work order was issued to allow for drilling to a depth of 100 feet and to case for 88' including a four foot length above ground to prevent possible flooding.

The actual drilling was completed on May 8 and two hours of swabbing were done that day. On May 9, the drillers continued swabbing and made a final bail test of two hours. This completed the ten hours of development and testing provided for in the contract and was all the geologist considered necessary. Flow was thought to be about 20 gallons a minute and the geologist recommended a 10 gallon a minute, submersible pump. The geologist's logs for both holes are attached to this report.

On May 11, it was found that the water had come up to its original static level of about 30 feet.

On the same day, data on the well were telephoned to Project Engineer Don Marley, WODC, so that he could continue with drawing up specifications for the pump and water system.

The well was chlorinated and capped.

Water and Sewer Systems under Contract No. 14-10-333-510

Bids were opened on this project on June 25, 1959 and the contract was awarded to the lowest bidder, The Metz Construction Co. of 3540 East Golf Links Road, Tucson, Arizona for the amount of \$41,753.38. Orders to proceed were issued July 10 and acknowledgement was made by the contractor on July 15. Day of starting work was set as July 16 and the contract completion date was established as January 31, 1960.

This was a unit price bid with the contractor furnishing labor, equipment and material to install a workable and usable water system from the newly drilled well to a storage tank and distribution system to serve the residences, administration building and four fire hydrants. The sewer system was designed to serve the residences and administration building at two separate locations.

Plans, specifications and inspection were furnished by WODC and provided for the following items with all fittings and appurtenances:

- A 50,000 gallon steel storage tank
- 2014' 6" Cement asbestos water-line.
- 360' 4" " " " "
- 180" 2" galvanized water-line.
- 130" 1" " " "
- 4 4" Fire hydrants
- 1 6" gate valve
- 1 Job pump and electric controls
- 8 Concrete thrust blocks
- 76' 6" cast iron sewer pipe
- 1 each - 1500 gal. and 1250 gal. septic tanks
- 2 Distribution boxes
- 160' 6" V.C. pipe
- 864' 4" V.C. pipe
- 70 Cu. Yds. gravel for leaching fields
- Clean out boxes.

The prime contractor sublet the entire contract to the Sierra General Contractors, Sierra Vista, Arizona who also subcontracted building of the residences, administration building and the contact station.

When 50% of the water system was installed and ready for testing and the 2" line from the well head to the six inch line was being connected it was noticed that no provisions were made for a shut-off valve at the pump to hold water in the lines should need occur for disconnecting the pump. This item was to be furnished by the contractor in lieu of building the mound and pad at the well head and eliminating the grade boards in the leaching field lines as lengths of 4" perforated VCP were used instead of 1'-0" draintile. No change order was issued; a verbal agreement was made between the project supervisor and the contractors' representative.

During the period of September 12 - 19th, drawings and brochures for the 50,000 gallon storage tank and job pump were submitted and approved. The pump was installed and exceeded contract requirements under working conditions. On November 5, the entire water line system was tested at 150 P.S.I. under hydrostatic pressure and no leaks were found. Work tested was from the tank location to all buildings and fire hydrants.

Erection of the storage tank started on December 16 and was completed on December 22, 1959. Tests made on December 21 at the tank indicated that the pump supplied 11.46 gallons per minute through a 1" pipe connected to the 6" line. The tank was painted January 13-16 and filled and chlorinated by January 26, 1960.

The sewage disposal system was constructed as per specifications except for the substitution of clean-outs for clean-out boxes (Item 19 of bid items) and a slight change of pipe alignment from the residences to the septic tank.

Final inspection of the entire contract was made January 29 and 30th and acceptance recommended except for the contractor's claim for the clean-outs on the basis of the amount bid on the clean-out boxes. Final payment was drafted March 17, 1960 less the controversial item as all other work met contract requirements.

On March 1960, at the request of the contracting officer, a fact finding report was sent to the Regional Office with copies to WODC and the superintendent and was concurred with in substance by Robert Hall, Acting Chief WODC.

On February 10, 1961, the Comptroller General's office handed down a decision that there was no legal basis to make further payment.

Day Labor Portions

Fire hose houses: Working plans and specifications for standard fire hose houses were received from the Regional Office. Four contractors were contacted and two verbal bids were received. On April 20, 1960, Purchase Order RO 33-288 was issued to Mr. George E. Brown, Hereford, Arizona, who submitted the low bid of \$480.00 for the two houses to be constructed. The standard plans were followed except for using burnt adobe, matching other construction, instead of concrete block. It was decided that houses at the other two hydrants would be built when other building construction warranted permanent hose installations.

Hoses and hose fixtures were obtained by purchase orders issued from the Regional Office.

All work on the water and sewer systems resulted in usable facilities.


Philip Welles
Superintendent

Log of First Well Hole
on the
Coronado National Memorial
Huachuca Mountains, Cochise County Arizona

The location is per report of December 1, 1958 marked by a stump which may be found by marking off approximately 275 ft. east of the culvert along the road and thence at right angles to the road and southward to a point 50 feet north of the edge of the creek

Scale 3/4" equals 10 ft.
Collar of Hole

The hole was started

The diameter of the hole was 20" for feet then

20" inches for 1/2 feet

The hole was stopped at 103 1/2 feet no water having been found and none expected beyond this. A box of dynamite was set off in the bottom hoping to bring in water. It did not. Operations on this hole were stopped April 23, 1959.

0-10ft. Boulders and Sand

10-20ft. Boulders and Sand

20-30ft. Clay, Granite boulders and Sand

30-40ft. Clay, Boulders of Granite and Sand

Contact of Wash and Altered and Rotten Granite

40-50ft. Rotten Altered Granite

50-60ft. Rotten Altered Granite

60-70ft. Rotten Altered Granite

70-73ft. Silicified Granite and Ledge Quartz

73-80ft. Rotten Altered Granite

80-90ft. Rotten Altered Granite

90-92ft. Silicified Granite and Ledge Quartz

92-100ft. Rotten Altered Granite

Bottom 103 1/2 ft.

100-103 1/2 Silicified granite and Ledge Quartz

Carl Fricke Consulting Geologist

COPY

Warren, Ariz. April 25, 1959.

Report on proposed second well site

From: Carl Trischka, Consulting Geologist

To: Philip Welles, Superintendent, Coronado National Memorial

The well was located at the request of the National Park Service, in or near the proposed headquarters area.

The location is in Montezuma Creek, that being the best remaining location after the one picked and described in the December 1, 1958 report.

The particular location was marked by a green rock which may be found by marking off 250 feet due east from the center of the west boundary line: (i.e. of the piece being transferred from the Forest Service) by the picnic grounds 75 feet north of the main road and 25 feet north of Montezuma Creek.

The minimum depth shall be 75 feet. It is expected that gravel and sand will first be encountered, to be followed by some considerably broken up sedimentary rocks or possibly granite.

It is hoped that water will be found within a dammed off basin.

It is recommended that a 8 inch hole first be drilled to check the distance to water as a test. If water is located the hole should be cased with a 6 inch casing.

signed

Carl Trischka
Consulting Geologist

Report
of
Log of Second Well Hole
on the
Coronado National Memorial
Huachuca Mountains, Cochise County, Arizona

Warren, Ariz. 5-8-1959.

The location is as per report of April 25, 1959. It is marked by a green stone, which may be found by marking off 250 ft. due east from the center line of the west boundary, by the picnic grounds, 75 ft. north of the main road and 15 ft. north of Mactazuma Creek.

10" hole was started

4-28-59 and was

completed 5-6-59

4 ft. above
Surface

A 9" 88 ft. long casing was installed of which 4 ft is above 10 ft. ground as shown.

0-12 ft. Loose rocks and gravel wash

12-16 ft. purple limey shale

The casing was perforated for 20 ft. 40 ft. from 34 ft. to 74 ft below the ground or surface.

16-29 soft purple shale

30 ft.

29-31 hard purple shale

34 ft.

31-33 soft purple shale. Struck water here. After bailing tests, recommend submersible 10 gal. per minute pump with automatic low level cutoff. To be installed at bottom of casing.

40 ft.

33-52 medium hard brown to gray limey shale

50 ft.

40 ft. of perforations in casing.

52-54 soft purple shale. The sedimentary rocks in the hole are of the Morita formation of the Cretaceous.

60 ft.

70 ft.

74 ft.

54-100 ft. Purple to gray bands of variable thickness of unaltered lime shale.

80 ft.

Bottom of casing -

84 ft.

90 ft.

A bailing test was run for two hours during which approx. 3700 gals were recovered. At the beginning the static head was 30 ft. below the surface. After bailing the water level was at 48 ft. below the surface. After 2 hrs and 18 minutes the water rose to 32.4 ft below the surface. A very good recovery,

100 ft.

Carl Trischka

Carl Trischka

Geologist

*Coronado
Docket 1*

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
CORONADO NATIONAL FOREST



ADDRESS REPLY TO
FOREST SUPERVISOR
AND REFER TO

TUCSON, ARIZONA

2710

July 7, 1959

*With Memo of
if ref'd from
Reg to Dept*

U. S. National Park Service
Hereford, Arizona

ATTENTION: Philip Willes

Dear Sir:

Enclosed herewith is approved copy of Special Use Permit issued to the National Park Service (Coronado National Memorial), covering a water transmission line and storage dated 7/7/59.

If you should have any questions concerning this permit, please feel free to contact the Patagonia District Ranger, Box H, Patagonia, Arizona.

Very truly yours,

NORMAN P. WEEDEN
Forest Supervisor

J. H. Richardson
By

Encl.
Special Use Permit
Special Use Application
Map
cc: Patagonia R. S.

STANDARD FORM NO. 64

Office Memorandum •

TO : Regional Chief of Lands

FROM : Coronado

SUBJECT: ~~XXXXXX~~ Water Survey, Coronado

RECEIVED	
NPS	
JUL 17 1958	
UNITED STATES GOVERNMENT	
DATE:	July 12, 1958
TO:	Mr. Harshbarger
FROM:	Mr. Dunn
SUBJECT:	Water Survey, Coronado
INTERO.	
RECREATION	
FORESTRY	
SOLICITOR	
FILED	

① D5039 CORO
 254 CORO

Attached is a copy of a letter to Mr. Harshbarger. Mr. Dunn feels we should discuss the proposed well at Coronado with him so I'll go up there and see what he thinks. It may be that a thorough survey will be necessary although due to the nature of the canyon I shouldn't think that a 3200 dollar survey is needed. It is a deep fill area with several proven wells on the north side of the main wash. I have a strong hunch that any well we do get will be a seep and if we can get 10 gallons a minute we'll do all right. The hill to the north is full of caves and old mine shafts, most of which are with water. There are a few granite outcrops and apparently, from others' experience, solid granite below 200 feet. It looks as if we should get down as close to the wash and away from the granite as possible and it isn't likely that we will find anything below 200.

P.D. Geologist Bill Hoague will not be able to even give us an opinion as P.D. regulations forbid any outside work, even for free. However one of their retired geologists is a close friend of Mr. Sharp and Sharp says he would be perfectly willing to advise us.

If we put out bids for a well and the G.S. approves of getting an outside geologist, would it be possible to write in the specifications that the driller engage a qualified geologist prior to drilling?

If this would be all right, I feel quite sure it would be cheaper and quicker than if we hired a geologist on the survey.

Phil Wells

Encloses 4 you & Mrs. Wolf.
W

Coronado National Memorial
Star Route
Hereford, Arizona

July 12, 1958

Mr. J.W. Marshbarger
District Geologist
U.S. Geological Survey
Federal Building
Tucson, Arizona

Dear Mr. Marshbarger:

We are planning to drill a well here in
Montezuma Canyon at the south end of the Huachuclas and a should
very much appreciate a few minutes of your time to discuss this
question.

I plan to be in Tucson Thursday, July 17
and can call at your office at any hour of that day. If this
will not be convenient for you, please advise me as to when you
would be able to see me. I can change my plans to suit your
convenience.

Sincerely,

Philip Welles
Philip Welles
Superintendent



United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 38063
SAN FRANCISCO, CALIFORNIA 94107

KMR

JUN 9 '82

IN REPLY REFER TO:

LS4 (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 D. Cherry**

Howard H. Chapman
Regional Director, Western Region

Enclosures

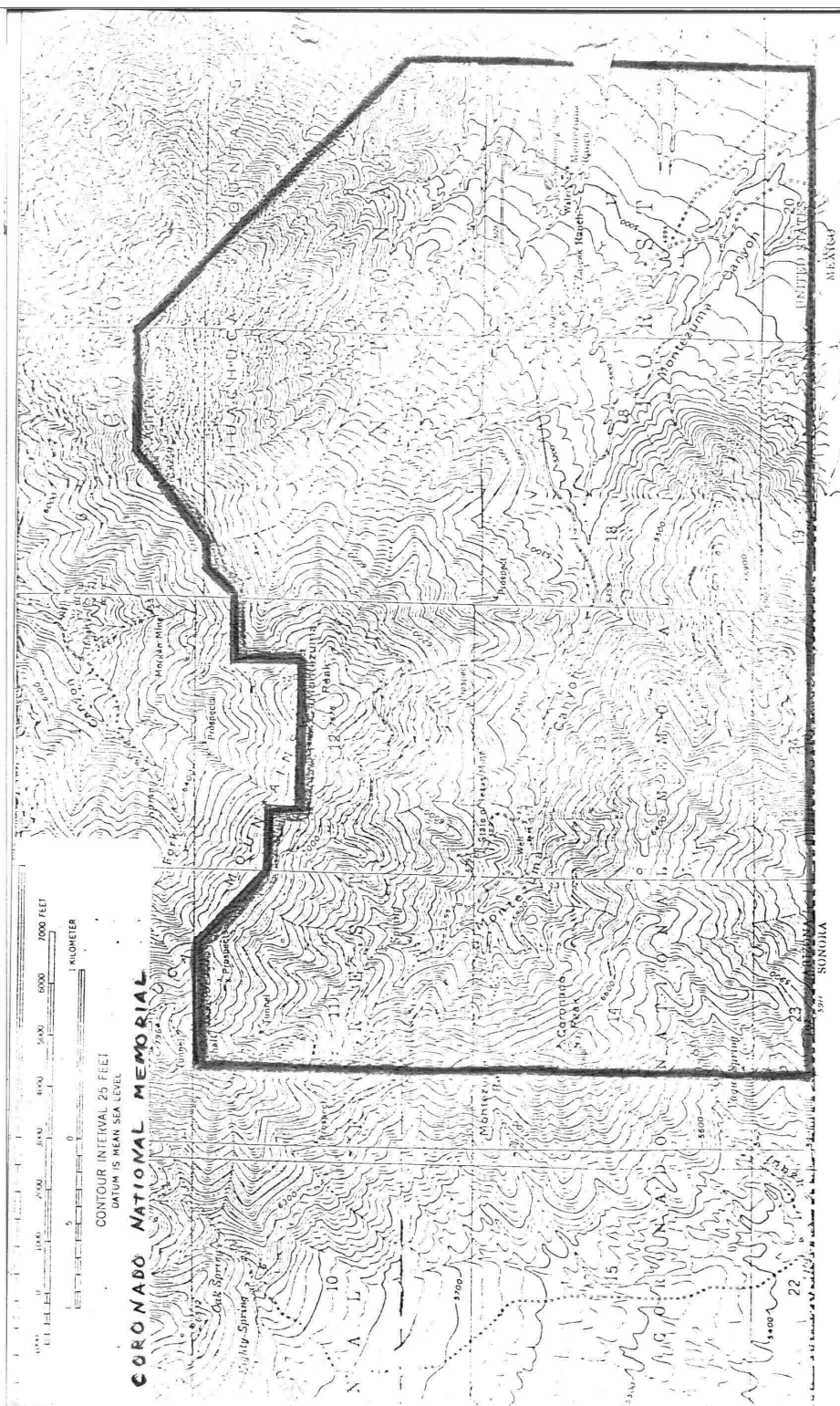
See attached sheet for bcc's



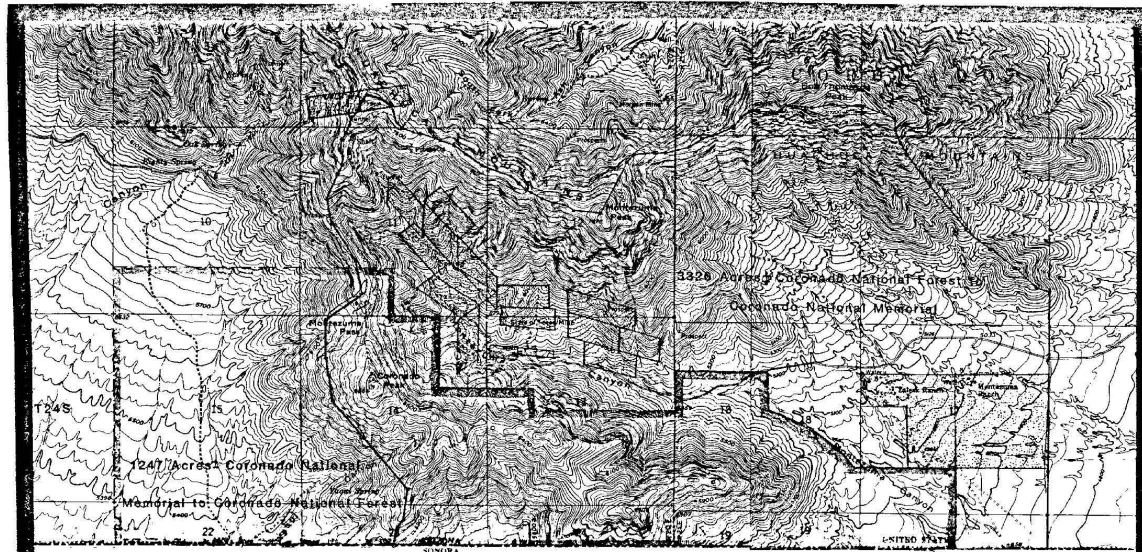
Rocky Mountain Regional Office	Initial & Date
Regional Director	1/26/82
Deputy Regional Director	
Administration	
Park Operations	ML
Plan & Resource Pres.	
Coop Prog.	
Communications & P.A.	
ESD	
Oper Eval	
Action Taken	

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.







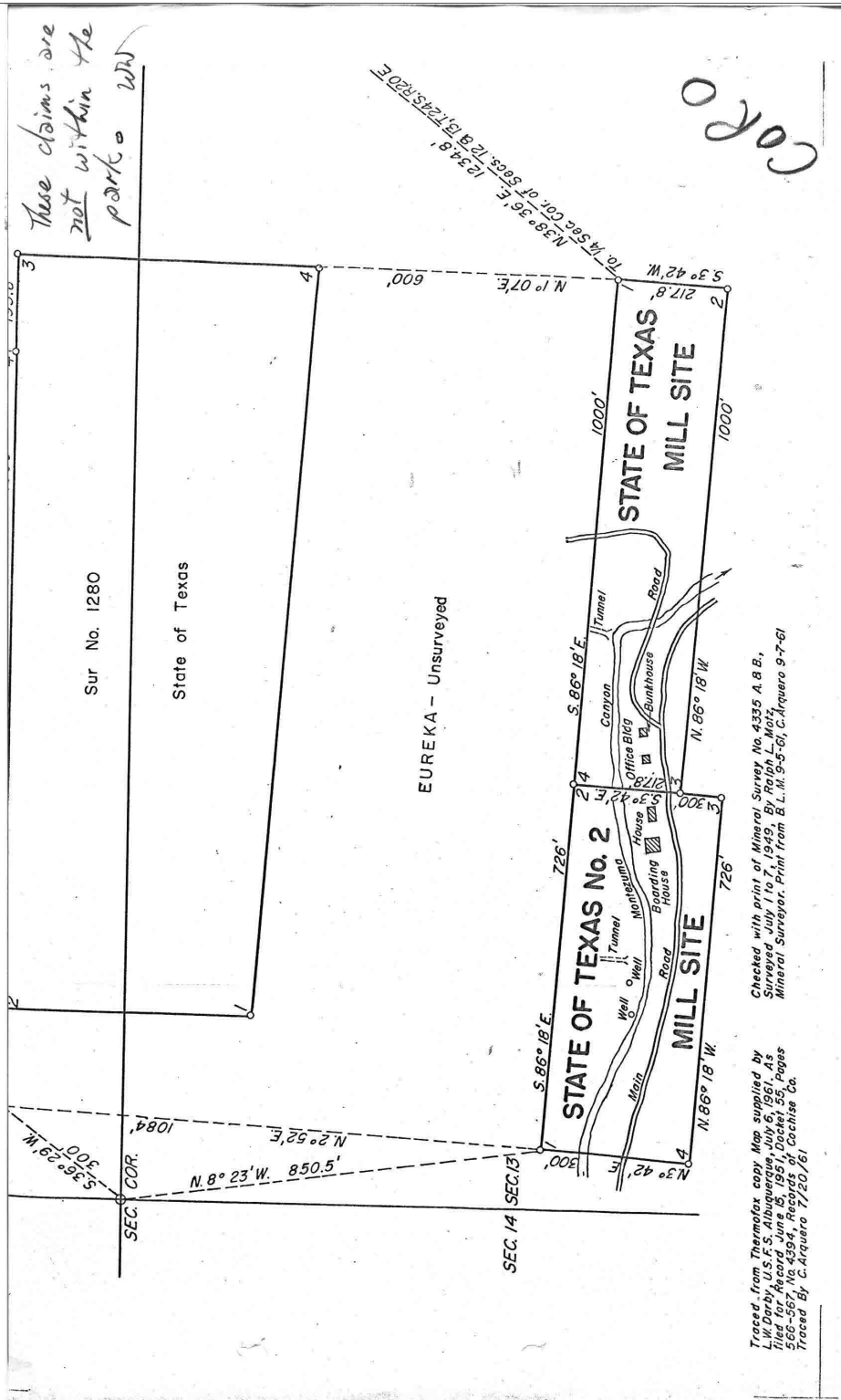
DESCRIPTION FOR EXTERIOR OF REVISED BOUNDARY

New Boundary

Beginning at a point which lies on the international boundary between Mexico and the United States, said point lying S 0° 14' E, 60 ft. from the closing corner for Sections 20 and 21, T26S, R21E, G1A and Salt River Base and Meridian in Cochise County, Arizona: running thence N 0° 14' W, 60 ft. to said closing corner; thence N 0° 14' W, 945 ft. to the corner of Sections 16, 17, 20 and 21 T26S, R21E; thence N 0° 14' W, 3,287 ft. to the corner common to Sections 8, 9, 16 and 17, T26S, R21E; thence N 0° 19' W, 947 ft. to a point on a ridge top which lies on the line between Sections 8 and 9; thence following this spur ridge, N 68° 46' W, 424 ft.; thence N 50° 41' W, 828 ft.; thence N 54° 31' W, 915 ft.; thence N 46° 30' W, 741 ft.; thence N 47° 31' W, 1,821 ft.; thence N 37° 38' W, 1,135 ft.; thence N 36° 03' W, 339 ft.; thence N 15° 50' W, 321 ft.; thence N 10° 15' W, 367 ft. to a point on the main ridge; thence N 71° 07' E, 941 ft.; thence N 87° 20' W, 843 ft. to a point on Bob Thompson Peak; thence S 78° 10' W, 570 ft.; thence N 85° 47' W, 772 ft.; thence S 41° 27' W, 170 ft.; thence S 79° 28' W, 304 ft.; thence S 75° 57' W, 331 ft.; thence S 84° 04' W, 280 ft.; thence S 42° 11' W, 265 ft.; thence S 35° 26' W, 352 ft.; thence S 69° 02' W, 617 ft.; thence S 77° 52' W, 424 ft.; thence S 63° 08' W, 448 ft.; thence S 68° 32' W, 393 ft.; thence S 75° 18' W, 310 ft.; thence S 88° 40' W, 298 ft.; thence S 94° 05' W, 559 ft.; thence S 38° 30' W, 279 ft.; thence S 26° 33' W, 325 ft.; thence S 24° 23' W, 738 ft. to a point on Moutezuma Peak; thence N 86° 32' W, 596 ft.; thence N 80° 05' W, 156 ft.; thence N 46° 56' W, 179 ft.; thence N 62° 30' W, 149 ft.; thence N 88° 01' W, 223 ft.; thence N 69° 50' W, 325 ft.; thence N 61° 42' W, 412 ft.; thence N 69° 48' W, 158 ft.; thence N 44° 40' W, 262 ft.; thence N 46° 33' W, 312 ft.; thence N 59° 46' W, 479 ft.; thence N 65° 13' W, 340 ft.; thence N 65° 08' W, 240 ft.; thence N 57° 30' W, 337 ft.; thence N 38° 31' W, 168 ft.; thence N 55° 16' W, 263 ft.; thence N 41° 29' W, 145 ft.; thence N 81° 41' W, 354 ft.; thence N 66° 36' W, 690 ft.; thence S 83° 37' W, 179 ft.; thence N 63° 10' W, 203 ft.; thence N 69° 09' W, 122 ft.; thence N 51° 55' W, 213 ft.; thence N 16° 39' W, 593 ft.; thence N 55° 56' W, 328 ft.; thence N 79° 01' W, 442 ft.; thence S 28° 39' W, 197 ft. to USLM No. 1274; thence S 54° 56' W, 94 ft.; thence S 18° 29' W, 243 ft.; thence S 40° 26' W, 311 ft.; thence S 20° 53' W, 189 ft.; thence S 15° 41' W, 220 ft.; thence S 33° 52' W, 160 ft.; thence S 13° 47' W, 302 ft.; thence S 21° 09' E, 213 ft.; thence S 5° 03' W, 233 ft.; thence S 32° 15' W, 317 ft.; thence S 19° 29' W, 407 ft.; thence S 19° 46' W, 302 ft.; thence S 6° 41' E, 806 ft.; thence S 38° 31' E, 1,153 ft.; thence S 10° 04' E, 966 ft.; thence S 94° W, 1,226 ft.; thence S 1° 18' W, 1,081 ft.; thence S 9° 13' E, 465 ft.; thence S 10° 34' E, 763 ft.; thence S 61° 44' E, 3,202 ft.; thence S 8° 57' W, 356 ft.; thence S 37° 13' W, 261 ft.; thence S 14° 09' W, 613 ft. to the International Boundary Marker No. 102, which lies on the south line of Section 23, T26S, R20E; thence N 49° 38' E, 18,473 ft. along the international boundary to the point of beginning. (Remaining 411 acres here.)

NOTE:

This map prepared by photogrammetric methods from aerial photographs taken in 1977. Controls were taken from U.S.G.S. 25°



Docket Information

Number of Documents in Docket 152

Documents Dated from 10/1/1951 to 3/9/2004

Docket Compiled: 3/15/2012