



WATER-RIGHT DOCKET

Joshua Tree National Park

Docket No: 3

LOST HORSE WELLS. RYAN AREA

Preliminary Docket Information

09-13-1973: water right/source docket information

WATER RESOURCES/WATER RIGHTS

DATE: September 13, 1973

WATER RIGHT/SOURCE DOCKET INFORMATION

REGION Western AREA Joshua Tree National Monument
SITE Lost Horse Wells
STATE California COUNTY Riverside DOCKET NO WR #3
San Bernardino
LOCATION Sec. 21, T2S, R8E, S8M
REGIONAL BASIN _____ LOCAL BASIN _____
ACQUIRED BY Digging
APPLICATION None PERMIT _____ CERTIFICATE _____
ACTION DUE _____ PRIORITY None RESERVATION _____
QUANTITY _____ USE mining
STATUS unknown SOURCE wells

REMARKS hydrologic unit #18100100

NARRATIVE: There are three Lost Horse Wells in the "Ryan Area" of the Joshua Tree National Monument. These wells once provided water for the Lost Horse Mine, for which they were named.

A letter from William Supernough, superintendent of the Monument, in 1964, contained the following information:

The first of the Lost Horse wells was privately owned, and located on Ryan property. It was estimated that this well could produce up to 5000 gallons of water per day. The second well, located on government land next to the Ryan property, was proposed as the source for a water distribution system. This well supplied water for the Ryan Water Pickup Station. The third was a dug well, about 25' deep, located in a wash below Well #2. It was of doubtful value, and the Park at one time was considering filling it for safety. This may or may not have been done.

"There is no indication of whether a water distribution system, using water from these wells, has since been constructed."

Apparently none of these wells have ever been registered with the State.

Compiled by Wm. N. Murray

Approved by W. Werrell

Page 1 of 1

Joshua Tree National Monument

Water Right Docket No. 3

Ryan Area Wells

Outline of Assembly

Part I Land Use

Lost Horse

Part II Ryan Well No. 2

Well & piping details on

1. Report of Well Test June 1-3, 1961 *NP-JT/3037A*
2. Certificate of Analysis dated June 14, 1961. *AS CONST
8/63*
3. Letter of June 14, 1961, Hicks and Hartwick to Don Marley.

Joshua Tree National Monument
Water Right #3
Outline of Assembly - Correspondence

1. Letter to Don Marley from James N. Hicks, June 14, 1961
2. Letter to Hicks and Hartwick from Supervisory Engineer, received June 27, 1961
3. Memorandum to Superintendent from Regional Chief of Operations, July 6, 1961
4. Memorandum to Regional Director from Chief Water Resources, July 20, 1961
5. Memorandum to Director from Assistant Regional Director, August 9, 1961
6. Memorandum to Regional Director from Superintendent, August 16, 1961
7. Memorandum to Director from Assistant Regional Director, August 23, 1961

W.R. Copy.

UNITED STATES,
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

CONTRACT NUMBER:
NPS-JOTR-14-10-0434-3350

OFFER TO SELL REAL ESTATE
TO
THE UNITED STATES GOVERNMENT

THE UNDERSIGNED, hereinafter known as the vendor, in consideration of the examination and appraisal of the land herein below described by the United States and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby agree for himself, herself, or themselves, or heirs, administrators, executors and assigns, as follows:

(1) That at any time within ninety (90) days from the date of this instrument, if requested so to do by an authorized representative of the United States, the said vendor will sell and at his, her, their, or its own expense, convey, free of all liens or encumbrance except as provided herein, to the United States or its nominee by proper grant deed, under conditions hereinafter provided, all of that tract or tracts of land situate and lying in the County of Riverside, State of California, more particularly described as follows:

Parcel 1: The west half of the southwest quarter of the northeast quarter (W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$), the southeast quarter of the northwest quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$), the northeast quarter of the southwest quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$), west half of the northwest quarter of the southeast quarter (W $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$) of Section Twenty-one (21), Township Two South (T2S), Range Eight East (R8E), San Bernardino Meridian, containing one hundred and twenty (120) acres, more or less.

Together with an easement and right-of-way for a private road twenty (20) feet in width as now located and extending from the Lost Horse Ranch to the Lost Horse Mine and across Sections Twenty-one (21), Twenty-nine (29) and Thirty-three (33) in Township Two South (T2S), Range Eight East (R8E), San Bernardino Meridian.

Also together with an easement and right-of-way for a private road twenty (20) feet in width as now located and extending from said Lost Horse Ranch to a connection with the Key's point in Twentynine Palms Road, over and across said Section Twenty-one (21).

Also together with an easement and right-of-way ten (10) feet in width for a water pipe line as now constructed and extending from said Lost Horse Ranch across Sections Twenty-one (21), Twenty-seven (27), and Thirty-three (33) in said Township and Range to Lost Horse Mine.

Parcel 2: A mining claim described as the Lost Horse Quartz Mine and shown as Lot Thirty-seven (37) in Fractional Section Three (3), Township Three

South (T3S), Range Eight East (R8E), San Bernardino Meridian, containing thirteen and fifty-seven one-hundredths (13.57) acres, more or less.

The total area exclusive of easements described herein is one hundred and thirty-three and fifty-seven one-hundredths (133.57) acres more or less.

(2) That the price at which said land will be sold to the United States as hereinbefore provided shall be \$40,000 and tenure as provided in para. (9) of this option.

(3) That in case the vendor is unable to show and establish title to the above-described lands satisfactory to the United States Government, then, and in that event, the vendor agrees that the United States may, in its discretion, institute condemnation proceedings for the acquisition of said lands and that the price hereinabove set forth is hereby agreed to by the vendor as to the value of the land to be acquired under said condemnation proceedings.

(4) That the title to be conveyed to the United States as described in paragraph (1) hereof shall be free from lien or encumbrance except for rights of way for roadways, telephone lines, and transmission lines outstanding in their parties as of the date of this option.

(5) The vendor further agrees, except as to any title defects specifically waived by the United States, to correct any title defects disclosed by the Attorney General's title report. The vendor shall pay all taxes which have become liens upon the above-described property and no part thereof shall be apportioned to or payable by the purchaser. The vendor will obtain a release of the aforesaid property from all taxes. The vendor shall pay for such revenue stamps as may be required.

(6) That when the United States of America acting through the Secretary of the Interior, or other authorized representative, shall have approved and signed this option for the purchase of the lands herein provided then, in that event, this instrument shall constitute a contract of bargain and sale between the parties hereto.

(7) If this option is approved as provided in paragraph (6) hereof, the United States will have use and possession of the said lands beginning on recording of deed. The vendor shall retain use and possession until the above date even though title may be conveyed to the United States prior to said date. Provided, further that during the period the vendor retains use and possession, the vendor does hereby grant to the officers and accredited agents and representatives of the United States, at all proper times, unrestricted right and privilege to survey or enter said lands for all proper and lawful purposes in connection with the negotiations for the acquisition thereof.

(8) No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom. Nothing in this paragraph, however, shall invalidate this contract if made with a corporation for its general benefit.

(9) As additional consideration there is reserved to the vendor for her lifetime, or until such time as she notifies the Superintendent of Joshua Tree National Monument that she desires to relinquish such right, the right to personally occupy and use the house and water as required from the well located on subject property together with the following described land:

North half of the west half of the southwest quarter of the southwest quarter of the northeast quarter (NW1/4SW1/4NE1/4), of Section Twenty-one (21), Township Two South (T2S), Range Eight East (R8E), San Bernardino Meridian.

Upon the death of the vendor, all her right, title and interest to the property shall automatically terminate and a good and indefeasible title to said property shall vest in the United States.

In witness whereof said vendor has set her hand and seal of these presents on this 28th day of April, 1966.

Witnesses:

Vendor:

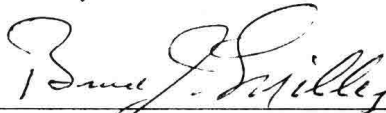
James H. Chilcoat - #
3747 N. Bennett Ave. Glendale.
74725 Lardano - Twenty-nine Palms, Calif

James H. Chilcoat

Approved for the National Park Service

By: Thomas Hornell 5/12/66
Chief, Office of Land and Water Rights, SEC

The attached deed from Leanta L. S. Ryan, a widow, recorded August 30, 1966, is hereby accepted on behalf of The United States of America pursuant to a currently effective delegation of authority this 27TH day of OCTOBER, 1966.

A handwritten signature in cursive script, reading "Bruce J. Seilly", written over a horizontal line.

ACTING Chief, Office of Land and Water Rights,
San Francisco Planning and Service Center,
National Park Service.



**Office of the Attorney General
Washington, D. C.**

October 20, 1966

Honorable Stewart L. Udall
Secretary of the Interior
Washington, D. C.

My dear Mr. Secretary:

A re-examination has been made of the title data relating to 133.57 acres of land, more or less, Tracts Nos. 18C and 288, Joshua Tree National Monument Project in Riverside County, California. A fee title to 120.00 acres and a mining claim and certain easements in 13.57 acres of this land were conveyed to the United States of America under the provisions of existing legislation by Leanta L. S. Ryan under deed dated July 12, 1966, filed for record on August 30, 1966, and recorded among the land records of the county as Document No. 87566. The file number of this Department is 33-5-1575-47.

The land, mining claim and easements are described in the aforesaid deed, which recites a consideration of \$40,000.00.

The title insurance policy, No. 262228, dated as of August 30, 1966, was prepared by Title Insurance and Trust Company and is satisfactory.

The title insurance policy, recorded deed and accompanying data disclose valid title to be vested in the United States of America, subject to:

1. Existing easements for public roads, and highways, rights of way for railroads, pipelines and public utilities including item 3, Schedule B of the title policy.
2. Provisions and reservations contained in the Patent from the United States noted at item 2, Schedule B of the title policy.

-2-

3. The reservation by grantor of the right to personally occupy and use the house and the water from the well on the premises as required, under the conditions set forth in the aforesaid deed.

Your Department has advised that objections 1, 2, and 3 will not interfere with the contemplated use of the land and easements.

It is to be noted that the purchase price for the land, easements and mining claim has not been paid.

The title insurance policy, deed and related papers are enclosed.

Sincerely yours,


Acting Attorney General



Office of the Attorney General
Washington, D. C.

June 13, 1966

Honorable Stewart L. Udall
Secretary of the Interior
Washington, D. C.

My dear Mr. Secretary:

An examination has been made of the title data relating to 133.57 acres of land, more or less, Joshua Tree National Mounment Project in Riverside County, California. A fee title to 120.00 acres of this land, a mining claim of 13.57 acres and certain easements are to be acquired for a consideration of \$40,000.00 by authority of existing legislation. The file number of this Department is 33-5-1575-47.

The land mining claim and easements are described in the enclosed draft of deed from Mrs. Leanta L. S. Ryan, to the United States of America.

The preliminary title report, No. 940-351, dated as of February 24, 1966, was prepared by Title Insurance and Trust Company and is satisfactory in form.

The title report and accompanying data disclose the title to be vested in Leanta L. S. Ryan, subject to:

1. All taxes and assessments including those noted at item 1, page 1 of the title report.
2. Rights or claims of persons in possession, if any, not shown of record.
3. Mechanics' liens, if any, not shown of record.
4. Existing easements for public roads and highways, railroads, pipelines and public utilities, including item 4, page 2 of the title report.

- 2 -

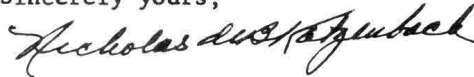
5. Provisions and reservations contained in the patent from the United States noted at item 3, page 1 of the title report.
6. Unpatented tunnel claims and millsite claims; water rights, claims or title to water noted at item 2, page 1 of the title report.
7. Rights of the United States under the executed option.
8. Satisfactory proof that the easements described in the option are wholly within the lands covered by the preliminary title report.

According to the option and administrative approval of your Department the land and easements are to be acquired subject to the rights and easements referred to in objections 4 and 5 above and the reservation by the vendor of the right to personally occupy and use for her lifetime, the house and water as required from the well located on subject property and other land, which are therefore waived.

When the above objections numbered 1, 2, 3 and 8 have been met, and the enclosed draft of deed from the above-named owner to the United States, duly executed and properly stamped, has been recorded, the purchase price has been paid, and a title insurance policy in approved form has been obtained showing the vesting of a valid title in the United States of America, and this Department has been informed in writing that objection 6 will not interfere with the contemplated use of the land, the title will be approved subject to the rights and easements referred to in objections 4, 5 and 6 and the reservation above set forth.

The preliminary title report and related papers are enclosed.

Sincerely yours,



Attorney General



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

IN REPLY REFER TO:

OCT 28 1966

L1425-LWSSC

Memorandum

To: Assistant Director, Specialized Services

From: Chief, Office of Land and Water Rights, SSC

Subject: Acceptance of Deed covering Tracts 18C and 288, Ryan,
Joshua Tree

Enclosed for deed assembly and Form NPS-L-1 are the following:

1. Executed, acknowledged deed, recorded August 30, 1966.
2. Original of the Attorney General's Preliminary Title Opinion, dated June 13, 1966.
3. Original and one copy of the Attorney General's Final Title Opinion, dated October 20, 1966.
4. Policy of Title Insurance issued by Title Insurance and Trust Company, No. 262228, dated August 30, 1966.
5. Certificate of Inspection and Possession, dated September 1, 1966.
6. Certificate re Taxes, dated Sept. 14, 1966.
7. Copy of Payment Voucher.
8. Signed, accepted copy of Option-Contract NPS-JOTR-14-10-0434-3350.

It is assumed that you have a copy of the appraisal report on file for inclusion in the deed assembly.

Enclosures - *E*
As stated

cc:
Supt., Joshua Tree, w/copy
of Final Title Opinion

for Thomas Kornelis

JOTR

87566

WHEN RECORDED MAIL TO: DEPARTMENT OF THE INTERIOR NATIONAL PARK
SERVICE, WESTERN REGIONAL OFFICE
P. O. BOX 36063, SAN FRANCISCO, CALIF. 94102
ATTN: BRUCE MILLER, ROOM 9434-T
RE P.O. NO. 940-351

GRANT DEED

THIS INSTRUMENT made the 12 day of July, in the year 1966
between Mrs. Leanta L. S. Ryan, a widow, the party of the first part, and
THE UNITED STATES OF AMERICA, the party of the second part.

WITNESSETH

THAT the said party of the first part, for and in consideration of the
sum of Forty Thousand Dollars (\$40,000) lawful money of the United States of
America, to her in hand paid, by the said party of the second part, the
receipt whereof is hereby acknowledged, together with tenure as described
below, does by these presents grant, bargain, sell, convey and confirm unto
the said party of the second part and its assigns forever,

ALL of that tract of land situate and lying in the County of Riverside,
State of California, described as follows:

Parcel 1: The west half of the southwest quarter of the northeast quarter
(W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$), the southeast quarter of the northwest quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$), the
northeast quarter of the southwest quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$), west half of the
northwest quarter of the southeast quarter (W $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$) of Section Twenty-
one (21), Township Two South (T2S), Range Eight East (R8E), San Bernardino
Meridian, containing one hundred and twenty (120) acres, more or less.

Together with an easement and right-of-way for a private road twenty
(20) feet in width as now located and extending from the Lost Horse Ranch
to the Lost Horse Mine and across Sections Twenty-one (21), Twenty-nine (29)
and Thirty-three (33) in Township Two South (T2S), Range Eight East (R8E),
San Bernardino Meridian.

Also together with an easement and right-of-way for a private road
twenty (20) feet in width as now located and extending from said Lost Horse
Ranch to a connection with the Key's point in Twentynine Palms Road, over
and across said Section Twenty-one (21).

Also together with an easement and right-of-way ten (10) feet in width
for a water pipe line as now constructed and extending from said Lost Horse
Ranch across Sections Twenty-one (21), Twenty-seven (27), and Thirty-three
(33) in said Township and Range to Lost Horse Mine.



89528

Parcel 2: A mining claim described as the Lost Horse Quartz Mine and shown as Lot Thirty-seven (37) in Fractional Section Three (3), Township Three South (T3S), Range Eight East (R8E), San Bernardino Meridian, containing thirteen and fifty-seven one-hundredths (13.57) acres, more or less.

The total area exclusive of easements described herein is one hundred and thirty-three and fifty-seven one-hundredths (133.57) acres more or less.

Additionally, the party of the first part reserves as tenure to herself for her lifetime, or until such time as she notifies the Superintendent of Joshua Tree National Monument that she desires to relinquish such right, the right to personally occupy and use the house and water as required from the well located on subject property together with the following described land:

North half of the west half of the southwest quarter of the southwest quarter of the northeast quarter (NW1/4SW1/4NE1/4), of Section Twenty-one (21), Township Two South (T2S), Range Eight East (R8E), San Bernardino Meridian.

Upon the death of the party of the first part, all her right, title and interest to the property shall automatically terminate and a good and indefeasible title to said property shall vest in the United States.

Said land is within Joshua Tree National Monument.

To HAVE and to HOLD, all and singular, the above mentioned and described premises, together with the appurtenances, unto the said party of the second part, and to its assigns forever.

IN WITNESS WHEREOF, the said party of the first part has executed these presents the day and year first above written.

Signed and delivered in the presence of

WRC Supunnaugh
Witness

Frank Shup
Witness

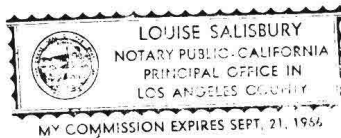
Leanta S. Ryan

87566

State of California }
 County of Los Angeles } ss

On this 12 day of July, in the year 1966, before me, _____
 the undersigned _____ a NOTARY PUBLIC in and for the County of
Los Angeles, State of California, residing
 therein, duly commissioned and sworn, personally appeared _____
L.
Leanta S. Ryan, known to me to be the person whose name
 is subscribed to the within instrument, and acknowledged to me that she
 executed the same.

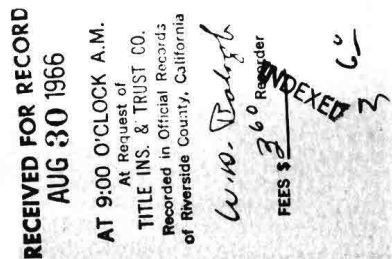
IN WITNESS WHEREOF I have hereunto set my hand and affixed my official
 seal in said County of Los Angeles, the day and year in this certifi-
 cate first above written.



Louise Salisbury
 Notary Public in and for said
 County of Los Angeles
 State of California
 My commission expires:
 LOUISE SALISBURY
My Commission Expires September 21, 1966

87566

3



R E P O R T - W E L L - T E S T

Ryan Well #2

<u>Date</u>	<u>Time</u>	<u>Depth to Water Surface</u>	<u>Remarks</u>
6-1-61	3: 30 P.M.	31.20 feet	Before pumping started
"	3:30 to 6:30 P.M.		Removed timbers and misc. objects from shaft
	6:30 P.M.	41.30 "	Pumping well out.
	8:00 P.M.		Clean out well, inspect lower portion well shaft and measured lower sections of well shaft.
	8:05 P.M.	40.45 "	Begin 12 hour test - water surface within approximately 1 foot of bottom of shaft
6-2-61	6:35 A.M.	37.43 "	
	6:40 A.M.	37.12 "	
	8:00 A.M.	36.80 "	End 12 hour test Calculations by volume from sections of lower portion of well shaft Q = 765 gal. Well recovered in 12 hours
6-2-61	9:30 A.M.	36.80 "	Start pump
	10:00 A.M.	40.12 "	Stop pump - Q measured in barrels = 800 gal. to check 12 hour test. Calc. by volume in shaft. Correction made to bring depth to water surface from 40.12' to 40.45'.
6-2-61	10:35 A.M.	40.70 "	Begin 24 hour test - water surface approximately 0.7 from bottom of shaft.
	11:00 A.M.	40.56 "	
	11:30 A.M.	40.31 "	
	12:00 Noon	40.15 "	
	1:00 P.M.	39.81 "	
	2:05 P.M.	39.54 "	
	3:00 P.M.	39.24 "	
	4:05 P.M.	38.91 "	
6-3-61	9:30 A.M.	35.08 "	
	10:30 A.M.	34.93 "	End 24 hour test. Calc. by volume from sections of lower portion well shaft. Q = 1250 gal. Well recovered per 24 hour.

- NOTE: 1. Size well shaft:
 Section of top = 3' x 5'
 Section at lower
 4.0' of shaft = 4.8' x 6.4'
 Depth from ground surface to bottom of
 shaft = approximately 41.4'.
2. Bottom of well shaft - rocky decomposed
 granite. No silt.

Other Supporting Information

August 23, 1961

L 54

Memorandum

To: Director

From: Assistant Regional Director, Region Four

Subject: Lost Horse Wells, Ryan Area, Water Right Docket No. 3,
Joshua Tree National Monument

A copy of Superintendent Supernough's memorandum of August 16 is attached supplying information in response to Mr. Dunn's memorandum of July 20 concerning the subject wells.

The title of Docket 3 which we distributed July 6 should be changed from "Ryan Area Wells" to "Lost Horse Wells" and the tab for Part II should be changed to "Lost Horse Well No. 2" to conform to a name of long standing.

ISGD HERBERT MAIER

Assistant Regional Director

Attachment

Copy to: Supt., Joshua Tree
Chief, WODC (2)(w/cy of 8/16 memo) ✓

W O D C	
AUG 24 '61	
CL	
AUM	
PERS	
P * P	
AKH	
ENGR	CS/24
L. A.	
SPEC	
CONT	
SFTY	
ACTION TAKEN - DATE	
File	



IN REPLY REFER TO:

L54

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Joshua Tree National Monument
Twentynine Palms, California

August 16, 1961

RECEIVED	
NPS REGION FOUR OFFICE	
AUG 18 '61	
SURNAME/DP	
REG. DIR.	
ASST. R.D.	
OPERATIONS	<i>[initials]</i>
ADMIN.	
RECREATION	
INTERP.	
DANGER ACT	

Spending
8/23/61

Memorandum

To: Regional Director, Region Four

From: Superintendent, Joshua Tree

Subject: Water Right Docket No. 3, Wells in Ryan Area, Joshua Tree

The docket for these wells should be labeled "Lost Horse Wells". This is a name of long standing and appears on all water maps for some years back. These wells were the source of water for the Lost Horse mine, from which they received their name. The Ryan's owned the wells and mine.

There are three wells. All are located in Section 21, T2S, R8E, SBM.

Well #1 in SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$.

Well #2 in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$.

Well #3 in NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$.

Their surveyed locations are given as: Start N $\frac{1}{2}$ corner, Sec. 21 then

S 4 Deg. E 1900 ft. - then

S 44 Deg. E 550 ft. - Well #1

S 42 Deg. E 500 ft. - Well #2

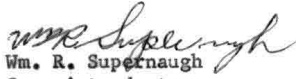
N 60 Deg. E 570 ft. from Well #1 to Well #3.

Well #1 - Privately owned. On Ryan property. Well is 70 ft. deep. At 65 ft. level two lateral tunnels. South tunnel 20 ft. long - dry. North tunnel 18 ft. long with flow of water. Windmill, pump, and several thousand gallon storage tank. Steel tank 6' high, 7' 6" in diameter, cement tank 12' x 12' x 4' 6" = about 4800 gallons. Ryan stated that this well would produce 5,000 gallons per day.

Well #2 - The dug well, on government land, which we are developing for the Ryan Water Pickup.

Well #3 - A dug well, on government land, about 25 ft. deep. Located in the bottom of a wash below Well #2. Of doubtful value, considering filling for safety.

We hope this information may be of assistance to you in answering Mr. Dunn's letter. Four copies of this letter are being sent for transmittal to WASO and WODC, if you desire.


Wm. R. Supernaugh
Superintendent

Enclosure is 3.

August 9, 1961

L 54

Memorandum

To: Director

From: Assistant Regional Director, Region Four

**Subject: Water Right Docket No. 3, Wells in Ryan Area,
Joshua Tree National Monument**

We lack information on wells in the Ryan Area needed to enable us to make a complete answer to Mr. Dunn's memorandum of July 20. One purpose of a proposed USGS ground water study to be undertaken this fiscal year is to provide such information by making an inventory of all wells in the monument.

No wells, to our knowledge, have recently been drilled in the Ryan Area. The well identified as Ryan Well No. 2 in Mr. Hick's letter of June 14 probably is one of two existing wells on Federal land near the privately owned Ryan property. The well is proposed as a source for a water system to be constructed in fiscal year, 1962 serving a roadside water station. (See PCF U-22).

Presumably, the name "Ryan Well No. 1" applies to the other existing well.

We will provide additional data for Docket No. 3 as information on the Ryan wells becomes available.

~~SGD REPRESENTATIVE~~

Assistant Regional Director

**Copy to: Supt., Joshua Tree
Chief, WODC (2)**

W O D C	
AUG 11 '61	
ONE	
ADM	
PERG	
P P P	
Asst. Dir.	
ENGR	
L.A.	
SPEC	
CONT	
SFTY	
ACTION TAKEN - DATE	
None	

LS4-OBL

July 20, 1961

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Water Right Docket No. 3, Wells in Ryan Area, Joshua Tree

With memorandum of July 6 from Mr. Wosky to the Superintendent, we received the Washington Office copy of the folder for the subject docket with the section for records of Well No. 2, but none for Well No. 1. If there is a Ryan Well No. 1, even though it may only have been an unsuccessful attempt to obtain water, there should be a log of the drilling, and record of any pump test in the docket.

After examining Drawing NM-JT/5303 which accompanies J. Volney Lewis' report, and NM-JT/6977, it is not clear whether these wells are new replacements, some that were privately owned, or new nomenclature for Lost Horse wells. You will note on the two drawings that those identical sources in areas which have been designated as parcels of public water reserves on Drawing 6977 are not in the same section subdivisions on Drawing 5303. Thus, true identities and locations may both need further field check.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Joshua Tree
Chief, WODC (2)

W O D C	
JUL 21 '61	
CHF	
ADM	
PERS	
P & P	
ARCH	
ENG	2/11/71
L.A.	
SPEC	
CONT	
SFTY	
ACTION TAKEN - DATE	
None	

[Handwritten mark]

July 6, 1961

L 54

Memorandum

To: Superintendent, Joshua Tree
From: Regional Chief of Operations, Region Four
Subject: Water Right Docket No. 3, Wells in Ryan Area,
Joshua Tree National Monument

Attached is your assembly of water right docket No. 3 which we prepared for wells in the Ryan area.

Data supplied with Mr. P. E. Smith's undated memorandum (W14) which we received on June 27 have been reproduced and inserted in the docket.

Regional Chief of Operations

Attachment

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

W O D C	
JUL 10 '61	
☐	CHF
☐	ADM
☐	PERS
☐	P & P
☐	ARCH
2	ENG 7/11
☐	L. A.
☐	SPEC
☐	CONT
☐	SFTY
F-memo 7/10	
ACTION TAKEN - DATE	
None	

Josh Tree Rachel #3

Western Office, Design and Construction
1000 Geary Street, San Francisco 9, California

W14

Hicke and Hartwick
Fisher Building, Room 18
Redlands, California

Gentlemen:

This will acknowledge receipt of your letter of June 14 by which were forwarded to us the report of your pumping test and certificate of analysis for Ryan Well No. 2 at Joshua Tree.

It is our feeling as well as yours that the quantity of flow from the well is probably adequate for the use for which it is intended. The chemical analysis also indicates that the water is of acceptable quality. Accordingly, we concur in your decision to proceed with design of the Ryan water system.

Regarding the pre-final check of the plans and specifications discussed with you by Mr. Springer, please be advised that Mr. Marley will be in Southern California during the week of July 3rd. He will contact you on July 3 to confirm the date of his visit to your office with Mr. Springer to go over your work with you. We understand that by that time the design will be essentially complete.

(Sgd.) P. E. Smith

P. E. Smith
Supervisory Engineer
Western Office, Design and
Construction

Copy to: Reg. Dir., Reg. Four }
Supt., Joshua Tree } ea. w/cy. incoming & attachment
Proj. Supr., Springer }

RECEIVED
NPS REGION FOUR OFFICE
JUN 27 '61

SIGNATURE	DATE
REG. DIR.	
ASST. R.D.	
OPERATIONS	
ADMIN.	
RECREATION	
INTERP.	
BRIDGE/ACT	

Whitehurst
(jaka)



HICKS & HARTWICK

**CIVIL ENGINEERS
LAND SURVEYORS**

ROOM 18, FISHER BLDG.
REDLANDS, CALIFORNIA

June 14, 1961

14-10-0434-490
Mr. Don Marley
National Park Service
1000 Geary Street
San Francisco, California

Dear Mr. Marley:

Enclosed is a report on the well test of Ryan Well #2 and an analysis of the water after the well was pumped out one time.

We are proceeding with the design of the water system for the Ryan Water Pick-up Station.

From the test made it appears that the well can deliver 1500 gallons per 24 hours, if the well shaft is pumped out on a 12 hour basis. This is assuming that the well will continue to recover under a continuous pumping load.

Very truly yours,

HICKS & HARTWICK

JNH:e
Enclosures


James N. Hicks

CONTRACT CORRESPONDENCE

WILLARD G. BABCOCK
ARTHUR L. BABCOCK
SHERMAN G. BABCOCK

CERTIFICATE OF ANALYSIS

ESTABLISHED 1906

EDWARD S. BABCOCK & SONS

P. O. BOX 432

RIVERSIDE, CALIFORNIA

AGRICULTURAL
APPRAISALS
SUPERVISION
MANAGEMENT

LABORATORIES
3445 FIRST ST.

TO
Hicks and Hartwick
Fisher Bldg. Room 18
Redlands, California

June 14, 1961

SAMPLE MARKED Water

Laboratory No. 610605-C

Cations	Parts per million	Milligram equivalents per liter	Anions	Parts per million	Milligram equivalents per liter
Calcium (Ca)	80	4.00	Carbonate (CO ₃)	0	---
Magnesium (Mg)	17	1.42	Bicarbonate (HCO ₃)	299	4.90
Sodium (Na)	40	1.74	Sulfate (SO ₄)	45	.94
Potassium (K)	6	.15	Chloride (Cl)	64	1.80
			Nitrate (NO ₃)	0	---
				Parts per million	
Conductivity, ECx10 ⁶ @ 25° C.	687	Total Hardness calculated as CaCO ₃	271		
Percent Sodium	24	Fluoride (F)	.8		
Hydrogen-ion activity (pH)	7.9	Boron (B)	0.0		
Color	70	Iron (Fe)	1.3		
Odor	None	Total Dissolved Residue by Summation	551		
Turbidity	125				

EDWARD S. BABCOCK & SONS

Sherman G. Babcock

Spaulding

Whitworth

December 12, 1960

Mernin

D 5039

Wosky (later)

Memorandum

To: Superintendent, Joshua Tree
From: Acting Regional Chief of Operations, Region Four
Subject: Well Pump, Lost Horse Ranger Station,
Joshua Tree National Monument

WR #3

We have your memorandum of November 16 asking our assistance in determining the best type of pump to replace the existing windmill installation, the wind, you say, being inadequate to supply your present needs.

We presume you wish to make a temporary installation which will suffice until the system proposed by PCP Proposal U-25 is constructed. Selection of the permanent system will depend, of course, upon knowing future water needs and characteristics of the well including its specific capacity (gallons per minute per foot of drawdown). The latter would require a pumping test which we had expected to be done concurrent with or soon after the USGS ground water study now programmed for the 1962 Fiscal Year. We note that Proposal U-26 proposes test pumping of two wells on the former Stokes property but this item doesn't appear on the construction program.

For the present, the least expensive expedient, we believe, would be to fit a small gasoline engine to drive the existing pump. According to the local distributor of Myers Pumps this would require a pump jack ^{on} the existing pump standard or ^{on} the casing if it extends above the ground level. With this equipment the existing cylinder pump could be driven by a gasoline engine when needed and at other times by the windmill.

If you wish us to determine size and cost of pump jack and gasoline engine (and standard if needed) we will need to know the size of the pump cylinder, the diameter of the windmill and the length of stroke (or the discharge with a 15 miles per hour wind). From the information given in your November 16 memorandum, the Myers pump distributor thought that the cylinder might be 2" or 2-1/2" with a 12" stroke. For an installation with the foregoing characteristics we have calculated using the Dempster chart that the output would be 200 to 300 gallons per hour with a 15 mph wind and that a three-quarter or one horsepower gasoline engine would be required to get an equivalent output.

A more expensive alternate would be to install a gasoline engine driven deep well turbine pump or a helical rotor pump. This would require abandoning the windmill and removing the existing pump. We estimate that purchase and installation of a deep well pump capable of delivering 10 gpm against a total head of 300 feet would cost \$2,000 to \$3,000 including 140 feet of 2-1/2" pipe column, a vee belt drive head, clutch and a 2 horsepower gasoline engine. We are enclosing a Fearless Pump brochure illustrating helical rotor pumps. If you wish we can obtain a more exact cost estimate.

(SGD) G. F. WHITWORTH

Acting Regional Chief of Operations

Attachments

LSSpaulding:lq

Jim Siler

WRW(?)

Joshua Tree Notes -

On Sept 18 Hydraulic Engineer Ketcham sent forms "Request of Quotations" to pump test Stokes Well No 2 at Fort Horse Ranger Station. What is the status of this proposed project. If no contractor wants to do the work is there some other method by which it can be accomplished? 2 Floods - waiting till water levels off. 11 inches rain this season already - January?

Is there still rust in the Cottonwood well. Has he tested for it recently. Has it decreased with pumping - Yes - no pumping since last memo - no need to pump - reservoir full

Ketcham

Bad situation on Ryan pump. Bad taste in lines - Any way to take bad taste out of pipe lines? Chlorine will not help.

D 5039

Joshua Tree National Monument
Twentynine Palms, California

November 16, 1960

Memorandum

To: Regional Director, Region Four

From: Superintendent, Joshua Tree

WP #3

Subject: Pump Requirements - Lost Horse Ranger Station

Since taking over the Stokes' property and the establishment of the Lost Horse district, we have encountered a problem in water supply.

The existing water system is supplied by windmill operating a deep well cylinder pumping into the storage tank. Since moving men to the station a lack of wind to operate the mill has necessitated hauling water a distance of 25 miles at least 50% of the time.

As it exists there is no method of pumping with power. We would appreciate your assistance and recommendations in determining the type pump best adopted to the installation. We have no way now of making an estimate of the cost. We will probably be able to absorb some cost; however, assistance with funds will be appreciated.

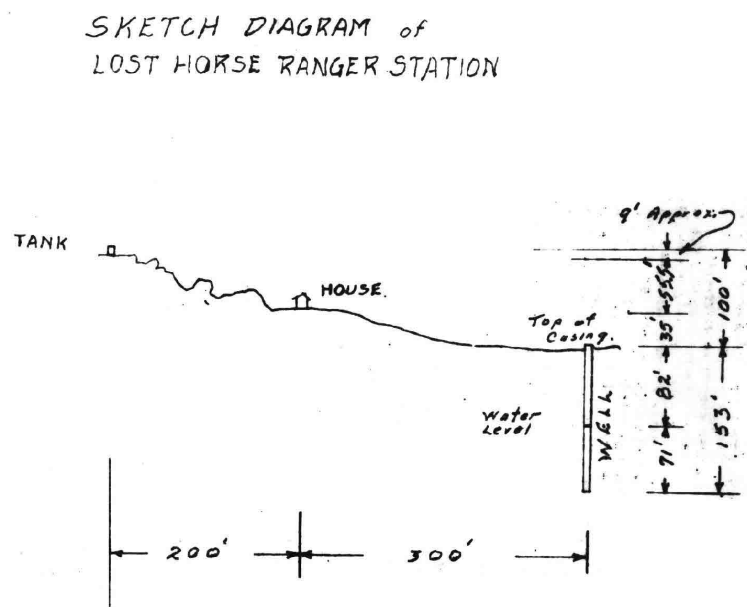
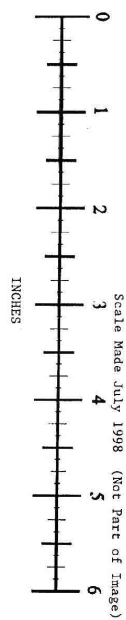
The well is 153 feet deep with 71 feet of water. Since the water tables are lowering due to drought, the maximum should be figured in lift to the ground surface. We now have a 140 foot 2" water column in the well. Water is pumped through a 1 1/2" line approximately 575 feet to the tank which is 126 feet above the ground level at the well.

A gasoline engine powered pump will be most practical since electric power is by small generator.

S&D/WM. R. SUPRNAUGH

Wm. R. Supernaugh
Superintendent

In duplicate



Spaulding

Whitworth

Manbey -

Woody

Maier

April 8, 1960

1 54

Memorandum

To: Director

From: Assistant Regional Director, Region Four

**Subject: Ground-Water Investigations, Joshua Tree and
Death Valley National Monuments**

Attached is a copy of a memorandum of March 23 from Mr. Fred Hinkel of the U. S. Geological Survey outlining investigation in Joshua Tree and in Death Valley during the 1961 fiscal year. Also attached is a copy of our reply to Mr. Hinkel telling him the outline is satisfactory and that we will request the work as soon as funds are available.

The estimated cost of the work is \$1500 (\$6000 for Joshua Tree, \$900 for Death Valley). Previously we reported a slightly different amount (total of \$7000) in our memorandum of March 4 on the subject, "Ground-water investigation, Lava Beds National Monument."

The Joshua Tree investigation is expected to provide basic data on the source of water needed by WDC to design systems for the Ryan Campground (U-42, 1962 construction program), Lost Horse District Ranger Station (U-35) and a portion of systems at minor areas covered by POP U-36.

It should be noted that the program does not provide for the cost of drilling or for supervision of test-wells. The drilling of test wells, if the investigation concludes that one or more are necessary to prove the existence of ground-water, will require that additional funds be programmed.

(SGD) HERBERT MAIER

Assistant Regional Director

Attachments

Copy to: Chief, WDC (2)(with attachments)
Supt., Death Valley (with attachments)
Supt., Joshua Tree (with attachments)

ISSpaulding:lq

INVESTIGATION NEEDED
BY WODC per Smith's memo
of April 4, 1960 (L-54)

Fort Clatsop National Monument

Test well needed, well will be drilled this Summer using construction funds.

Fort Vancouver National Monument

None needed, supply from city mains.

Glacier Bay National Monument

1. Present surface source investigated for adequacy or test well needed for Bartlett Cove Area.
2. Surface source investigated or test well needed for Sandy Beach Area.
3. Test well needed at Indian Point for Headquarters Site of Glacier Bay and Hika. (Well being drilled this Spring.)

Hawaii National Park

None needed.

Joshua Tree National Monument

1. Lost Horse Valley, ground water study needed.
2. Indian Cove Campground, ground water study needed.

Katahdin National Monument

Test well needed for Headquarters site at King Salmon.

Lassen National Park

None needed.

Lava Beds National Monument

1. Test well needed for Fleener Chimneys Area.
2. Test well needed for Captain Jacks Stronghold Area.
3. Test on existing well at Headquarters Area.
4. Test on existing well at Entrance Station or new test well.

Lehman Caves National Monument

None needed.

Mount McKinley National Park

Surface Water investigation or test well needed at Teklanika Campground.

Joshua Tree National Monument
Twentynine Palms, California

L54

August 16, 1961
*Transmitted with
Key 4 memo 8/23*

Memorandum

To: Regional Director, Region Four

From: Superintendent, Joshua Tree

Subject: Water Right Docket No. 3, Wells in Ryan Area, Joshua Tree

The docket for these wells should be labeled "Lost Horse Wells". This is a name of long standing and appears on all water maps for some years back. These wells were the source of water for the Lost Horse mine, from which they received their name. The Ryan's owned the wells and mine.

There are three wells. All are located in Section 21, T2S, R9E, SBM.

Well #1 in SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$.

Well #2 in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$.

Well #3 in NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$.

Their surveyed locations are given as: Start N $\frac{1}{2}$ corner, Sec. 21 then

S 4 Deg. E 1900 ft. - then

S 44 Deg. E 550 ft. - Well #1

S 42 Deg. E 500 ft. - Well #2

N 60 Deg. E 570 ft. from Well #1 to Well #3.

Well #1 - Privately owned. On Ryan property. Well is 70 ft. deep. At 65 ft. level two lateral tunnels. South tunnel 20 ft. long - dry. North tunnel 18 ft. long with flow of water. Windmill, pump, and several thousand gallon storage tank. Steel tank 6' high, 7' 6" in diameter, cement tank 12' x 12' x 4' 6" = about 4800 gallons. Ryan stated that this well would produce 5,000 gallons per day.

Well #2 - The dug well, on government land, which we are developing for the Ryan Water Pickup.

Well #3 - A dug well, on government land, about 25 ft. deep. Located in the bottom of a wash below Well #2. Of doubtful value, considering filling for safety.

We hope this information may be of assistance to you in answering Mr. Dunn's letter. Four copies of this letter are being sent for transmittal to WASO and WOCG, if you desire.

SGD/VML R. SUPRNAUGH

**Wm. R. Supernaugh
Superintendent**

Attached (4) extra copies

Docket Information

Number of Documents in Docket 34

Documents Dated from 4/4/1960 to 9/13/1973

Docket Compiled: 4/19/2011