



WATER-RIGHT DOCKET

Arches National Park

Docket No: 7

WELL #1.

Preliminary Docket Information

05-17-1978: water rights record for well #1, id. no. arch w212521af07

WATER RIGHT RECORD

Park: ARCHES

Docket Number: 7

IDENTIFICATION NO: ARCH, W, 212521, AF, 07

DITCH/WATER SYSTEM: Well #1

SOURCE OF SUPPLY: Groundwater

LOCATION: T 25 S, R 21 E, Sect. 21, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SLB & M

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number: 01-166 (A57272)

Certificate Record Number:

Date of Priority: May 17, 1978

Quantity of Water:

Purpose:

Irrigated Land Description:

SUMMARY OF STATUS:

Drilling began on May 17, 1978 and was completed on May 19, 1978



IN REPLY REFER TO:

L54 (ARCH-M)

October 28, 1991

United States Department of the Interior

NATIONAL PARK SERVICE
Southeast Utah Group
Arches and Canyonlands National Parks
Natural Bridges National Monument
Moab, Utah 84532-2995



Mark P. Page, Area Engineer
State of Utah Natural Resources Department
P.O. Box 718
Price, Utah 84501-0718

Dear Mr. Page

Enclosed are signed blue line copies of Statement of Water User's Claim forms for Water Rights 01-25, 01-28, 01-114, and 01-166. I apologize in the delay of getting these signed forms back to you. The National Park Service is submitting statements for Water Rights 01-25 and 01-166 to complete the appropriation process.

As you are aware, the United States has not been joined pursuant to 43 USC 666 in the action to determine rights to the use of water within the drainage area of the Colorado River in San Juan, Grand, and Uintah Counties, Utah, and exclusive of the Green River drainage. The National Park Service submits claims for all four of the above-referenced water rights as a matter of comity and reserves the right to change these claims or file other claims within this adjudication area upon proper joinder in the adjudication.

Sincerely,

Noel R. Poe
Superintendent
Arches National Park

cc: WASO (479) - Pettee (w/attachments)
DOJ - Hill



IN THE DISTRICT COURT OF THE SEVENTH JUDICIAL DISTRICT

IN AND FOR GRAND COUNTY, STATE OF UTAH

IN THE MATTER OF THE GENERAL DETERMINATION
OF RIGHTS TO THE USE OF ALL THE WATER, BOTH
SURFACE AND UNDERGROUND, WITHIN THE DRAINAGE
AREA OF THE COLORADO RIVER IN SAN JUAN, GRAND
AND UTAH COUNTIES, UTAH, AND EXCLUSIVE OF
THE GREEN RIVER DRAINAGE.

STATEMENT OF
WATER USER'S CLAIM

Water Right No. 01 - 166

Civil No. 4477

Map No.

HOW TO USE THIS FORM:

This form is important to you in asserting your water rights in the pending judicial adjudication described above. Under Utah law, unless you file this form in a timely manner, your water rights cannot be recognized and you may not assert them further. The State Engineer has made a hydrographic survey of this area, which includes your water rights and uses. Your receipt of this form constitutes notice to you that the survey has been completed and that a signed Statement of Water User's Claim is due from you within 90 days. Review the information shown on this form carefully. If you agree with the information and accept it as your Statement of Water User's Claim, sign the form & return it to the Division of Water Rights in Price, Utah. The Division of Water Rights will file your Statement of Water User's Claim with the District Court in Moab, Utah. If you do not agree with the information, contact the above Division of Water Rights office to resolve the problem.

1. WATER RIGHT AND OWNERSHIP INFORMATION:

- A. NAME: USA National Park Service
Water Resources Division
ADDRESS: 301 South Howes, Room 335, Fort Collins, CO 80521
- B. TYPE OF RIGHT: Application To Appropriate No. A57272
- C. PRIORITY DATE: September 11, 1981

2. SOURCE INFORMATION:

- A. QUANTITY OF WATER: 0.06 cfs
- B. DIRECT SOURCE: Underground Water Well
- C. POINT OF DIVERSION -- UNDERGROUND:
(1) S 2700 feet W 3600 feet from NE corner, Section 21, T 25S, R 21E, SLBM
WELL DIAMETER: 8 inches WELL DEPTH: 172 feet
- D. DRAINAGE AREA: NW Colorado River COUNTY: Grand

3. WATER USE INFORMATION: (The following data is divided into groups according to
uses which have supplemental water rights in common.)

Water User's Claim

STATEMENT OF WATER USER'S CLAIM for Water Right: 01 - 166 continued*****

Page: 2

Supplemental Group 1. Water Rights in Common: 01 - 166

RECREATION: from Jan 1 to Dec 31. Visitor center and maintenance building

Supplemental Group 2. Water Rights in Common: 01 - 25, 166

DOMESTIC: from Jan 1 to Dec 31. FAMILIES: 10.

4. PLACE OF USE: (which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-EAST				NORTH-WEST				SOUTH-WEST				SOUTH-EAST			
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
SL 25S 21E 20				X	■	■	■						■	■	■	
21				■			X		■	■	■		■	■	■	

5. EXPLANATORY:

WUC 01-166 is limited to the domestic requirements of 6 families.

6. CERTIFICATION OF CLAIM AND WAIVER OF SUMMONS:

The undersigned hereby enters their appearance in this water adjudication proceeding and hereby waives service of summons or other process and waives service of the notice of completion as required by Sections 73-4-4 and 73-3-4 of the Utah Code Annotated, 1953 as amended.

STATE OF UTAH)
COUNTY OF _____) SS

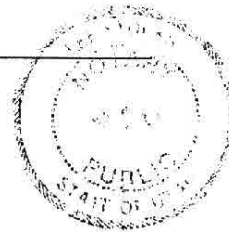
The undersigned swears on oath that he makes and certifies this Water User's Claim either as the claimant himself or as the duly-authorized agent of the claimant, that he has read and knows the contents of the claim, that he signs the same, and that the information supplied therein is true to the best of his knowledge and belief.

Title: _____
(Individual or Office)

Noel R. Re
Signature

Subscribed and sworn to before me this 26th day of October, 1991

Commission expires: 1/19/92 *L. J. Steady*
Notary Public





United States Department of the Interior

NATIONAL PARK SERVICE

WATER RESOURCES DIVISION
301 SOUTH HOWES ST., ROOM 335
FT. COLLINS, COLORADO 80521

IN REPLY REFER TO:

February 29, 1988

L54 (479)
General

Mark Page, Area Engineer
State of Utah
Department of Natural Resources
Division of Water Rights
1636 West North Temple, Suite 220
Salt Lake City, Utah 84116-3156

Dear Mr. Page,

Enclosed is our request to file a Statement of Water User's Claim in lieu of submitting Proof of Beneficial Use on Application No. A57272. We request that the statement be prepared and submitted by the State Engineer.

For information regarding the well and its use, please contact Frank Darcey at Arches National Park. His phone number is (801) 259-8161. Other questions may be directed to Beth Voelkel or me at (303) 221-5341.

Thank you for your help in this matter.

Sincerely,

Stanley L. Ponce

Stanley L. Ponce

Enclosure

cc: Superintendent, ARCH
Hermance, RMRO

FORM 152

A T T E N T I O N

THIS FORM IS TO BE USED ONLY WHEN WATER HAS BEEN PLACED TO FULL BENEFICIAL USE

BEFORE THE STATE ENGINEER OF THE STATE OF UTAH
ELECTION TO FILE WATER USER'S CLAIM

APPLICATION NO. A57272

STATE OF UTAH

COUNTY OF Grand

Stanley L. Ponce, representing
the United States of America, being first duly sworn,
says that he is the owner of the above application; that the development
contemplated under this application has been completed and the water placed
to beneficial use.

In lieu of submitting "Proof of Appropriation" or "Proof of Change"
and receiving "Certificate of Appropriation" or "Certificate of Change", the
applicant hereby elects to file a "Statement of Water User's Claim" or an
"Amended Statement of Water User's Claim" in the pending GENERAL DETERMINATION
OF WATER RIGHTS; and the applicant requests that said statement be prepared by
the State Engineer and submitted for execution at an early date.

Stanley L. Ponce
APPLICANT

SUBSCRIBED AND SWORN TO BEFORE ME THIS 29th DAY OF February
19 88.

My Commission Expires: 2-21-90

Mary Anne Atencio
NOTARY PUBLIC



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Robert L. Morgan
State Engineer

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

1636 West North Temple, Suite 220
Salt Lake City, Utah 84116-3156
801-538-7240

February 17, 1988

USA National Park Service
Water Resources Division
301 South Howes, Room 335
Fort Collins, CO 80521

Dear Applicant:

RE: Application No. 01-166 (A57272)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above-numbered application has been considered and the time for receiving Proof of Appropriation is hereby extended from February 28, 1988, to February 28, 1990.

This extension is granted in accordance with the law which states: "The construction of the works and the application of water to beneficial use shall be diligently prosecuted to completion within the time fixed by the state engineer. Extensions of time ... may be granted by the state engineer on proper showing of diligence or reasonable cause for delay... In the consideration of an application to extend the time in which to place the water to beneficial use under an approved application, ... the State Engineer shall deny such extension and declare the application lapsed, unless the applicant affirmatively shows that he has exercised or is exercising reasonable and due diligence in working toward completion of the appropriation."

I earnestly recommend that you complete your development and submit Proof of Appropriation at the earliest possible date.

Your contact with this office, should you need it, is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

Robert L. Morgan, P.E.
State Engineer

E X T E N S I O N G R A N T E D



UTAH
NATURAL RESOURCES
Water Rights

1530 West North Temple • Suite 220 • Salt Lake City, UT 84116-3150 • (801) 533-0071

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(Before Fourteen Years)

APPLICATION NO. 57272

STATE OF UTAH

COUNTY OF Grand

Applicant's present address

National Park Service
Water Resources Division
301 S. Howes, Room 335
Fort Collins, CO 80521

Stanley L. Ponce being first duly sworn that he is the (agent of the) ~~XXXXXX~~ above numbered application; that the information given is true and correct to the best of his knowledge.

Describe briefly the type, extent, and cost of construction completed to date, and the estimated cost of any remaining construction to complete the project and to submit Proof of Appropriation. Give reasons why the work could not be completed and water put to beneficial use within time allowed.

The water supply is an 8-inch well, 172 feet deep, supplying water to headquarters at Arches National Park. There is 70,000 gallons of storage and distribution to points of use. At present we are collecting water use data, making legal ties and maps for submitting proof of appropriation. Fourteen year period ends February 28, 1993.

Request is made for reinstatement and extension of time for filing proof from February 28

19 88 to February 28 19 1990

Stanley L. Ponce

Chief, Water Rights Branch National Park Service

APPLICANT (If a corporation, give title of officer signing.)

Subscribed and sworn to before me this 12th day of January 19 88

Mary Anne Atwood

NOTARY PUBLIC
Commission Expires: 2-21-90

FOR OFFICE USE ONLY

PROOF DUE DATE _____ 14 YEAR PERIOD ENDS _____

REMARKS _____

RECOMMENDED DISPOSITION _____

CALENDAR

COMPUTER

INDEXED



Governor

Dee C. Hansen

Executive Director

Robert L. Morgan

State Engineer

USA National Park Service

P.O. Box 25287

Denver, CO 80225

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

1636 West North Temple Suite 220

Salt Lake City, Utah 84116-3158

801.508.7010 **533.1.17**

801-558-1248 533-6471

December 31, 1987

Rocky Mountain
Regional Office

JAN 6 '88

See also:

6. Data

Regional Director	
Deputy Regional Director	
Administrative	
Public Operations MP	
Planning & Research Div.	
Communications & P.A.	
Public	
John Felt	

JAN 06 REC'D

Dear Applicant:

RE: Application No. 01-166 (A57272)
PROOF-DUE DATE: February 28, 1983

To appropriate water in Utah, or to change the point of diversion, place and nature of use of water, you must make application, receive approval, complete the intended development work and submit proof that the water has been put to beneficial use. Our records indicate that you have not made proof on your application. This is due on February 28, 1988.

In those areas in which general adjudication proceedings are pending and elections are authorized, the applicant can either:

1. Submit a satisfactory proof of appropriation;
or
2. Elect to file a statement of water user's
claim in lieu of proof of appropriation;
or
3. Request an extension of time.

Failure to complete one of the above three actions on or before the proof-due date shall cause the application to LAPSE.

If development is not complete, additional time may be allowed by completing the enclosed request for extension of time and submitting it in affidavit form on or before the proof-due date. Submission of a request for extension of time does not assure that it will be granted. Extensions of time are granted only after the applicant has made a showing of diligence before the State Engineer. Also enclosed is an election to file a water user's claim form for submission in lieu of proof for submission if the project is complete.

Your contact with this office, should you need it, is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

Yours truly,
Robert L. May

Robert L. Morgan, P.E.
State Engineer

Enclosure: Forms 29 & 152

Certified Mail No. 0251000 CF/RMRO Mailroom

P R O O F D U E

an equal opportunity employer

Stop: from Hance. We will follow

19



STATE OF UTAH
NATURAL RESOURCES
Water Rights

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

February 7, 1986

USA National Park Service
P.O. Box 25287
Denver, CO 80225

Dear Applicant:

RE: Application No. 01-166 (A57272)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above-numbered application has been considered and the time for receiving Proof of Appropriation is hereby extended from February 28, 1986, to February 28, 1988.

This extension is granted in accordance with the law which states: "The construction of the works and the application of water to beneficial use shall be diligently prosecuted to completion within the time fixed by the state engineer. Extensions of time ... may be granted by the state engineer on proper showing of diligence or reasonable cause for delay... In the consideration of an application to extend the time in which to place the water to beneficial use under an approved application, ... the State Engineer shall deny such extension and declare the application lapsed, unless the applicant affirmatively shows that he has exercised or is exercising reasonable and due diligence in working toward completion of the appropriation."

I earnestly recommend that you complete your development and submit Proof of Appropriation at the earliest possible date.

Yours truly,

A handwritten signature in cursive script, reading "Robert L. Morgan".

Robert L. Morgan, P.E.
State Engineer

EXTENSION GRANTED

Form 29

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(Before Fourteen Years)

APPLICATION NO. 57272
STATE OF UTAH
COUNTY OF Grand

Applicant's Present Address
National Park Service
Water Resources Division
301 S. Howes, Room 343
Fort Collins, CO 80521

Richard W. Ketcham, being first duly sworn that he is the
(agent of the) ~~XXXX~~ of the above-numbered application; that the information
given is true and correct to the best of his knowledge.

Describe briefly the type, extent and cost of construction completed to date,
and the estimated cost of any remaining construction to complete the project
and to submit Proof of Appropriation. Give reasons why the work could not be
completed and water put to beneficial use within time allowed.

The water supply is an 8 inch well, 172' deep, supplying water to head-
quarters at Arches National Park. There is 70,000 gallons of storage
and distribution to points of use. At present we are collecting water
use data, making legal ties and maps for submitting proof of appropriation.
Fourteen year period ends February 28, 1993.

Request is made for reinstatement and extension of time for filing proof.

from February 28, 19 86, to February 28, 19 88

Richard W. Ketcham Hyd. Eng. -
APPLICANT
(If a corporation, give title of officer signing)

Subscribed and sworn to before me this 15th day of January, 19 86.

My commission expires October 1, 1989

Rebecca Sue Redout
NOTARY PUBLIC

***** FOR OFFICE USE ONLY *****

PROOF DUE DATE _____ 14 YEAR PERIOD ENDS _____

REMARKS _____

RECOMMENDED DISPOSITION: _____

EXTENSION REQUEST

CALENDAR
COMPUTER
INDEXED



STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

(801) 533-6071
May 26, 1978

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN

National Park Service
Rocky Mountain Regional Office
P.O. Box 25287
DENVER CO 80225

Issue Date: May 26, 1978
Expiration Date: November 26, 1978

Attention: William L. Mekeel RE: Two Test Wells

Gentlemen:

Reference is made to your request for permission to drill two test wells to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 21, T25S, R21E, SLB&M and in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 30, T36S, R18E, SLB&M.

This letter grants you permission to proceed with the drilling with the understanding that small diameter casing be used and that no more water be diverted than is necessary to determine the availability of a good water supply. This letter in no way grants any permission to proceed with the diversion and use of the water from the test well for any purpose whatsoever.

Following the completion of the drilling and testing the casing is to be either pulled and the hole filled from the bottom to the top before the driller leaves the premises or capped until such time as proper filing has been made with the State Engineer and approval given.

The driller must be bonded and have a current permit from the State Engineer. Before starting, he must give this office notice of the day he will begin. Within 30 days after the well has been drilled or abandoned, he must file a well driller's report containing accurate and complete information regarding the work done, which is to become part of the files in this office pertaining to your test well.

This is permission for the licensed driller to begin drilling your test well. Note that the expiration date of this letter is November 26, 1978.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Stanley Green".
Stanley Green
Directing Appropriations Engineer

SG:lmv
cc: Well Driller
cc: Don Norseth
cc: Paul Maucher
cc: Mark P. Page

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Notary Public

EXPLANATORY CONTINUED

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.

Supporting Hydro Data

ARCHES NATIONAL PARK

Pumping and Recovery Data from the
New Well drilled May, 1978

Pump Test (May 23-24, 1978)

<u>TIME</u> <u>(Minutes)</u>	<u>DEPTH TO WATER</u> <u>(Feet)</u>	<u>DRAWDOWN</u> <u>(Feet)</u>	<u>DISCHARGE</u> <u>(Gal/Min)</u>
0	113.29	-	-
3	113.65	.36	30.2
12	113.66	.37	
22	113.66	.37	
32	113.66	.37	
42	113.66	.37	30.2
72	113.66	.37	
912	115.34	2.05	30.2
972	115.34	2.05	
1032	115.34	2.05	
1122	115.34	2.05	30.2
1212	115.37	2.08	
1332	115.37	2.08	30.2
1452	115.37	2.08	

Recovery Test (May 24-25, 1978)

<u>TIME SINCE PUMP</u> <u>WAS SHUT OFF</u> <u>(Minutes)</u>	<u>DEPTH TO</u> <u>WATER</u> <u>(Feet)</u>	<u>RESIDUAL</u> <u>DRAWDOWN</u> <u>(Feet)</u>
2	115.08	1.79
5	115.04	1.75
10	115.02	1.73
20	115.00	1.71
30	115.00	1.71
110	114.93	1.64
850	114.82	1.53
1240	114.78	1.49

ARCHES NATIONAL PARK

Pumping and Recovery Data from the
New Well drilled May, 1978

Pump Test (May 23-24, 1978)

<u>TIME</u> <u>(Minutes)</u>	<u>DEPTH TO WATER</u> <u>(Feet)</u>	<u>DRAWDOWN</u> <u>(Feet)</u>	<u>DISCHARGE</u> <u>(Gal/Min)</u>
0	113.29	-	-
3	113.65	.36	30.2
12	113.66	.37	
22	113.66	.37	
32	113.66	.37	
42	113.66	.37	30.2
72	113.66	.37	
912	115.34	2.05	30.2
972	115.34	2.05	
1032	115.34	2.05	
1122	115.34	2.05	30.2
1212	115.37	2.08	
1332	115.37	2.08	30.2
1452	115.37	2.08	

Recovery Test (May 24-25, 1978)

<u>TIME SINCE PUMP</u> <u>WAS SHUT OFF</u> <u>(Minutes)</u>	<u>DEPTH TO</u> <u>WATER</u> <u>(Feet)</u>	<u>RESIDUAL</u> <u>DRAWDOWN</u> <u>(Feet)</u>
2	115.08	1.79
5	115.04	1.75
10	115.02	1.73
20	115.00	1.71
30	115.00	1.71
110	114.93	1.64
850	114.82	1.53
1240	114.78	1.49

Pump Test Interpretation

The specific capacity was 15 gal/min. per foot of drawdown after pumping for 1452 minutes. The specific capacity data serves only as an indicator of the capability of the aquifer and does not include other necessary data required to make accurate determinations of specific yield. Therefore, the data should be used only for approximating drawdown at pumping rates above 30 gal/min.

Test results indicate that the well should be able to yield 30-50 gal/min. without problems. If the well was pumped at 60 gal/min., the drawdown would probably be around 5-7 feet.

Pump Test Interpretation

The specific capacity was 15 gal/min. per foot of drawdown after pumping for 1452 minutes. The specific capacity data serves only as an indicator of the capability of the aquifer and does not include other necessary data required to make accurate determinations of specific yield. Therefore, the data should be used only for approximating drawdown at pumping rates above 30 gal/min.

Test results indicate that the well should be able to yield 30-50 gal/min. without problems. If the well was pumped at 60 gal/min., the drawdown would probably be around 5-7 feet.

CNP 163 (1/77)

Submit to Administrative Office the first of each month.

Month Jan 1986Area ARCHES NATIONAL PARKELECTRIC METER READINGS

For Admin. Use

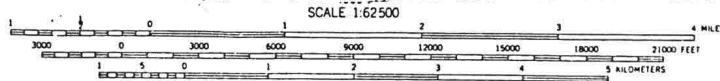
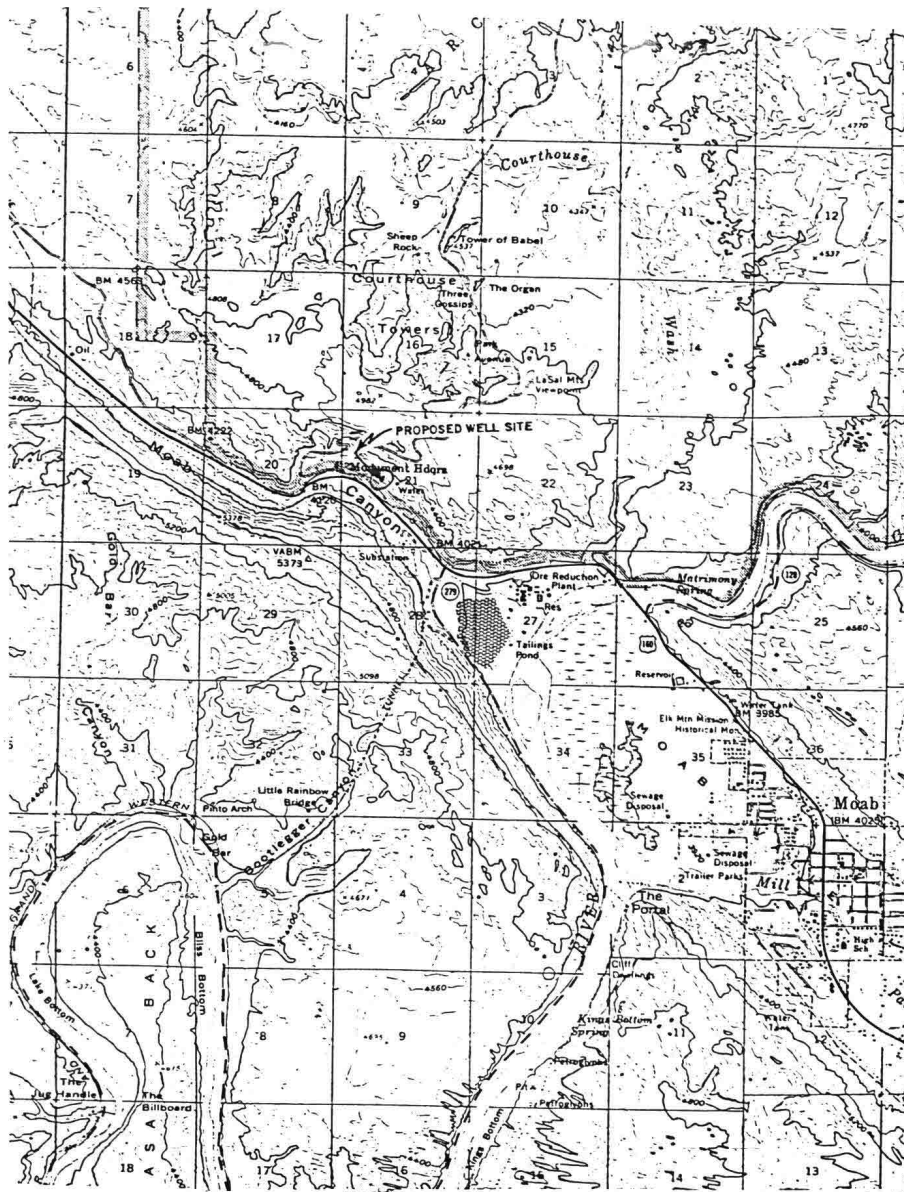
Res./Occupant	Beginning	Ending	Used	Cost
Apt. 7A - Swanke	8249	8706	467	33.62
Apt. 7B -	5039	5183	144	10.57
Apt. 7C -	5601	6026	425	30.60
Apt. 7D -	8599	8807	208	14.08
Apt. Utility	4629	4707	78	5.62
D.C. Trailer	7860	7860	00	0

GAS METER READINGS

Res./Occupant	Beginning	Ending	Used	Cost

WATER METER READINGSMonth JANDistrict ARCHES NATIONAL PARK

Meter Serial No.	Location	Beginning	Ending	Total
#1 Well	Res. Hqrs.	4307060	4359120	152060
#2 Well	Devils Garden	908820	1599200	00
31282425	Res. 3 Swanson	165050	166810	1760 1.22
31894042	Res. 5 Fender	270210	272540	2330 1.62
31282427	Res. 6 Bierhaus	352940	354790	1850 1.30
7608124	CNHA/Library	1418970	1419450	480 1.34
31282422	Res. 10	249080	255640	6560 4.50
31894049	Res. 11	363010	370440	7430 5.20
	Apartments	1143950	1151690	7740 5.45
31860971	Shop	323430	324910	1480 1.04
31860956	#1 V.C. Tree	221400	221400	00
31860974	#2 V.C. Tree	142190	142190	00
31894041	#3 V.C. Tree	138560	138560	00
26064220	Visitor Center	2251500	2256000	4500 3.12



CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

ARCHES NATIONAL PARK



Scale Made July 1998 (Not Part of Image)



INCHES

