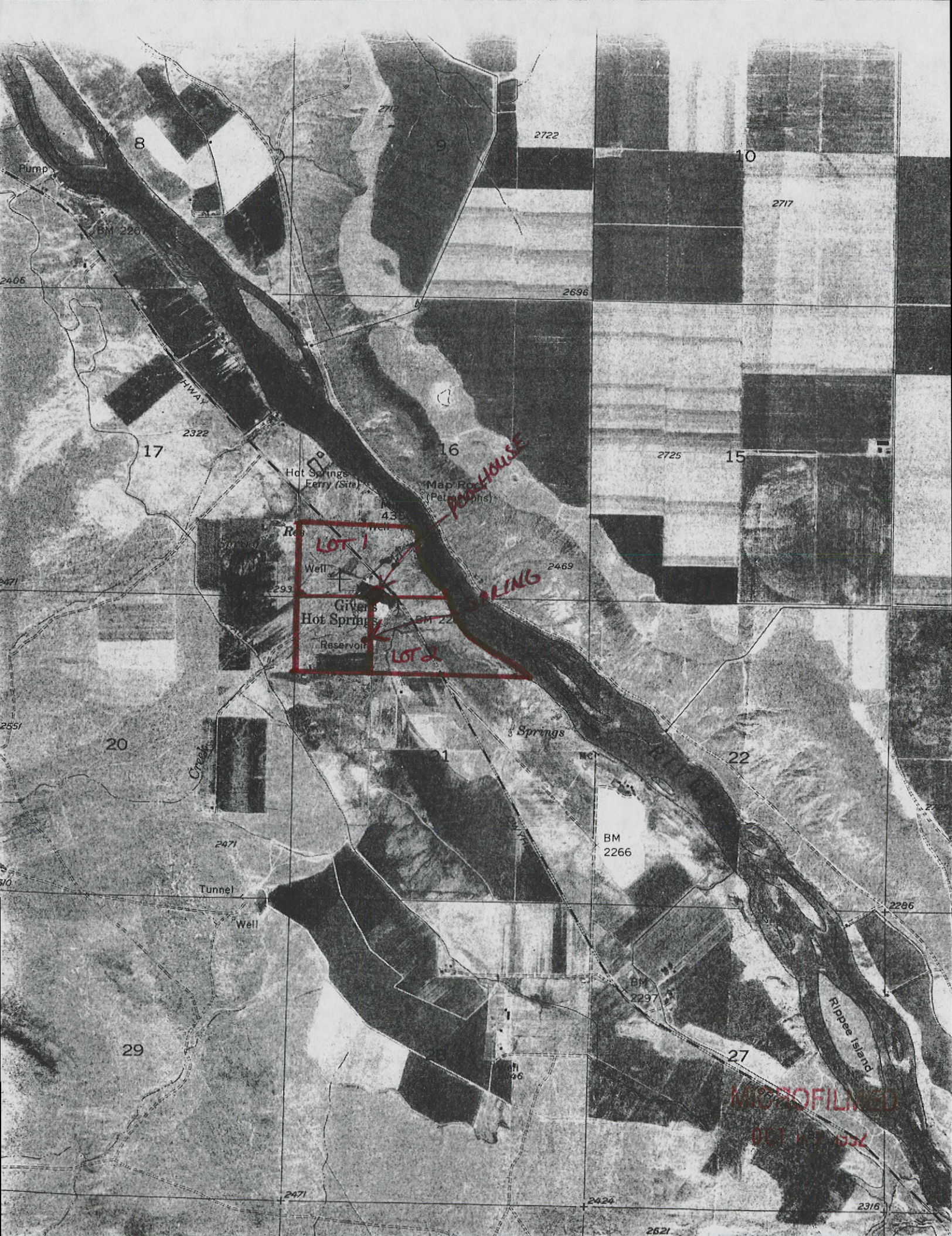
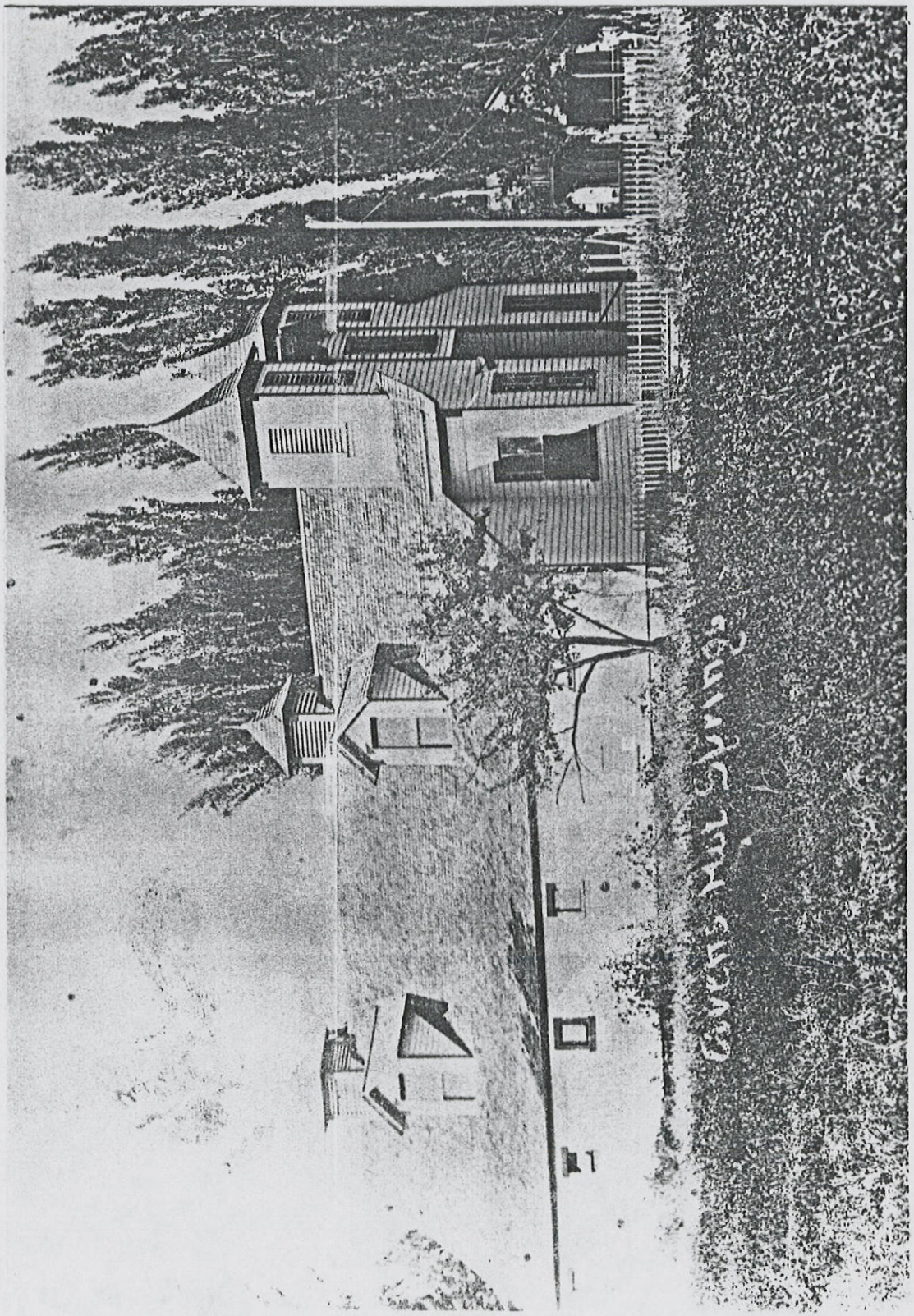

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2717
2406
2696
2322
2725
2469
2471
2551
2424
2621
2316
2286
Pump
BM 2267
HWY
Hot Springs
Ferry (Site)
Well
Reservoir
Springs
Creek
Tunnel
BM
2266
BM
2297
Rippee Island
POWERHOUSE
LOT 1
SPALING
LOT 2
MICROFILMED
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New Bath House built in 1903, encompassed swimming pool. (Hotel in background, at right of picture).

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[Copy of original photograph of Helen (Givens) Hansen, of Boise, ID]

from Nampa, and is the most direct route to any of the above-mentioned points. All of the roads leading direct to the ferry have been constructed, steadily improved and kept in condition by Mr. Bernard at his own private expense.



*Givens' Hot Spring Resort, Enterprise.*

The above is a view of the "Snake River Hot Springs," which are beautifully located on a bend of the Snake river closely adjoining the Warm Springs ferry, located thirty-five miles from Silver City and fifteen miles from Caldwell, easily accessible from all parts of the county.

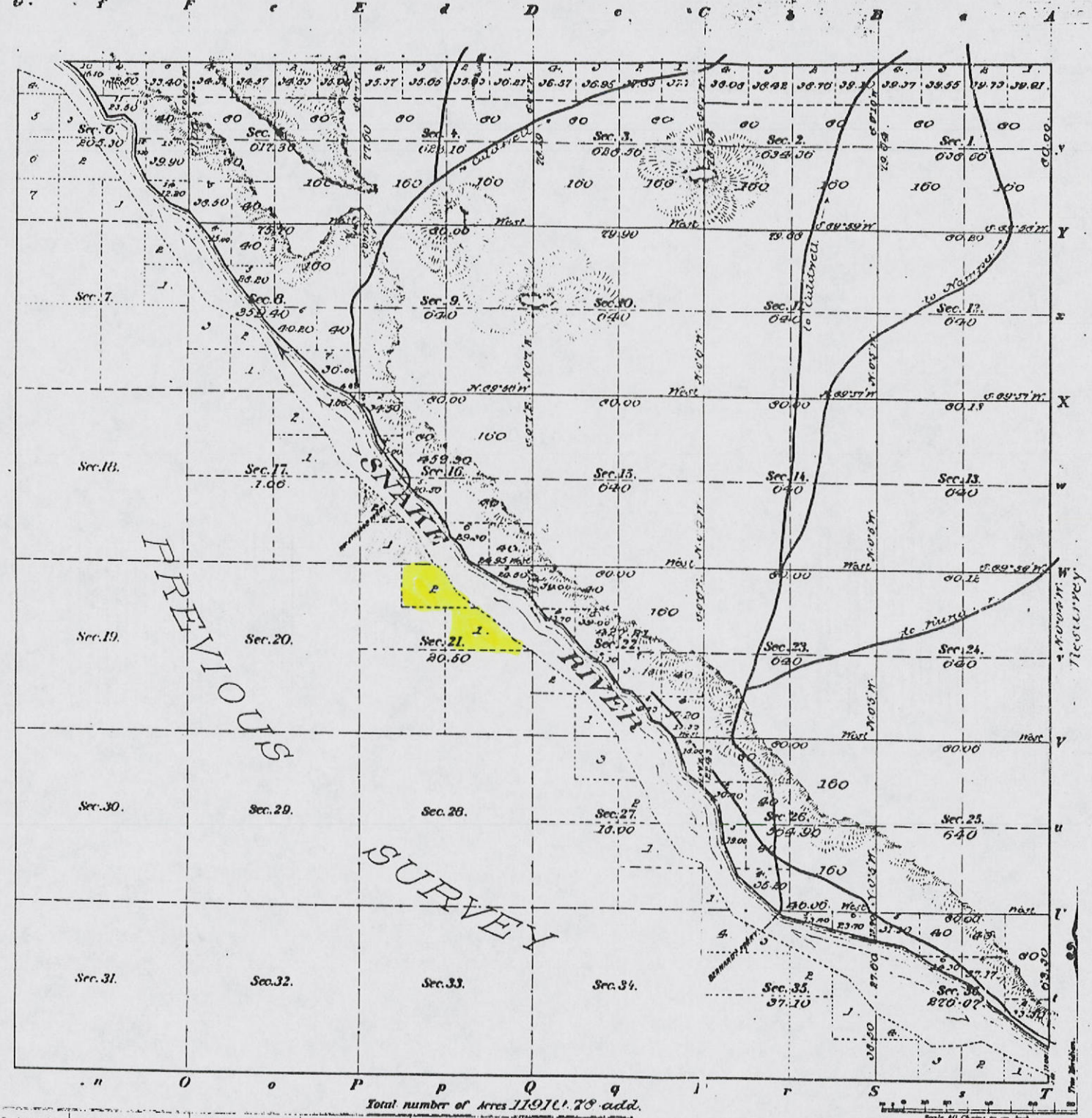
The property embraces 154 acres, beautifully shaded by poplars and fruit trees of various kinds, and the springs consist of one large thermal swimming pool 16x40 feet, strongly impregnated with iron, magnesia, sulphur and other health-giving properties. This pool is covered by a fine, substantial building of 24x52 feet, with private rooms and conveniences for the accommodation of the patrons.

The smaller spring is located about 800 yards from the hotel, and contains the same ingredients as the larger pool.

The hotel is admirably kept by Mrs. M. R. Givens, and the table abundantly furnished with all the delicacies of the season. The springs has a large patronage, and is a great resort during the summer season for private picnic parties, and the waters have been highly recommended by the leading physicians of the state, and have proved of great benefit to all those afflicted by rheumatic, cutaneous and nervous disorders.

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# Township No. 1 North Range No. 3 West of the Boise Meridian




Total number of Acres 11910.78 add.

| Designated | By Whom Surveyed | Date of Contract | Amount of Surveys M. Ch. Lks. | When Surveyed | Mean Declination |
|---|---|---|---|---|---|
| hip lines | Frederick J. Hills | February 17. 1891. | 0 00 00 | May 21-22-1891. | 19° E. |
| revised) | " | " | 32. 32 07 | May 25-27-1891. | " |
| visions | " | " | 6 42 78. | | |
| ctions | " | " | | | |

The above Map of Township 1 North of Range 3 West Boise Meridian Idaho is filed in accordance with the notes of the survey thereof on file in this Office, which have been approved and accepted this day.

Surveyor Generals Office.
Boise City, Idaho, March 25th 1892.

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OCT 07 1992

Ref: Bureau of Land Management, Boise, Idaho

April 29, 1892

# The United States of America,

To all to whom these Presents shall come, Greeting:

Homestead Certificate No. 886
Application 2270

Whereas, There has been deposited in the General Land Office of the United States a Certificate of the Register of the Land Office at Boise City, Idaho

whereby it appears that, pursuant to the Act of Congress approved 20th May, 1862, and to secure Homesteads to actual Settlers on the Public Domain, and the acts supplemental thereto, the claim of Timothy D. Shirley

has been established and duly commuted, in conformity to law, for the Lots numbered one and two and the North West quarter of the North West Quarter of Section twenty one, in Township one North of Range three West of Boise Meridian in Idaho containing one hundred and fifty four acres and fifty hundredths of an acre

according to the Official Plat of the Survey of said Land, returned to the General Land Office by the Surveyor General.

Now know ye that there is, therefore, granted by the United States unto the said Timothy D. Shirley the tract of Land above described. To have and to hold the said tract of Land with the appurtenances thereof, unto the said Timothy D. Shirley and to his heirs and assigns forever, subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws, and decisions of courts, and also subject to the right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises hereby granted, as provided by law, and there is reserved from the lands hereby granted a right of way thereon for ditches or canals constructed by the authority of the United States.

In testimony whereof, I Benjamin Harrison PRESIDENT OF THE UNITED STATES OF AMERICA, have caused these Letters to be made Patent, and the Seal of the General Land Office to be hereunto affixed.

Given under my hand, at the City of Washington, the twenty ninth day of April in the year of our Lord one thousand eight hundred and ninety two and of the Independence of the United States the one hundred and sixteenth.

By the President: Benjamin Harrison
By J. M. Keen, Secretary.
L. P. Roberts, Recorder of the General Land Office.

L.S.

Timothy Q. Shirley
Section 21 — Lots one & two and the NW¼ of the NW¼.
Township 1 N of Range 3 W of Boise meridian
154½ Acres

April 29, 1892
President Benjamin Harrison

1776
116
1892

Copied at Federal Bldg.
BLM - 3rd Floor
Boise, ID
1-20-1981

Filed Dec. 19, A.D., 189[illegible] o'clock [illegible] M.
at the request of H. E. [illegible]
R. H. Leonard, Jr.
Recorder of Owyhee County

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CLAIM NO. A57-04032



PT. OF DIV.

SPRING

CATCH

BASIN

FACING SE

LOOKING OVER

TOP OF CEMENT

BOX




PLACE OF USE

GIVENS HOT

SPRINGS

POOLHOUSE

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At this point, the 6-inch pipeline was taking the entire discharge of the spring, and no further drawdown in the spring was noted. Measured from a point near the center of the middle box girder supporting the roof over the spring, the distance to the bottom of the spring was about 6.2 feet. The distance to the water surface from the same point was about 5.3 feet, indicating a maximum water depth of 0.9 feet. The temperature of the water entering the 6-inch pipeline, which would be an indication of the average temperature, was 119.3° F. At about the same time, the temperature of the water exiting at the valve was about 113° F., indicating a loss of about 6° F. in the approxiamately 700 feet of pipeline. Outside air temperature at the time was about 44.7° F., with wind gusts up to 10 mph.

When it was apparent that there were no other pipes entering the spring box that could be seen, a 90° V-notch weir was put in place in front of the 6-inch pipeline in such a way that all the flow of the spring had to pass through the weir plate before entering the 6-inch pipeline. A yardstick placed in a quiet portion of the spring was zeroed to the apex of the V-notch, and further stage changes were monitored with respect to time. At 3:50 P.M. the stage of the spring was 3.0 inches above the apex of the weir, corresponding to a discharge of 34.2 gallons per minute (gpm). At 3:58 P.M. the stage had not changed from the previous value, indicating that the spring had attained equilibrium; that is, the spring was producing as much water as was being discharged over the weir. Discharge of the spring, under the conditions described, is about 34 gpm, which for this time of year, is probably a little above the low which would have been in September-October. Periodic measurements need to be made before the specific highs and lows for the spring system are established, however.

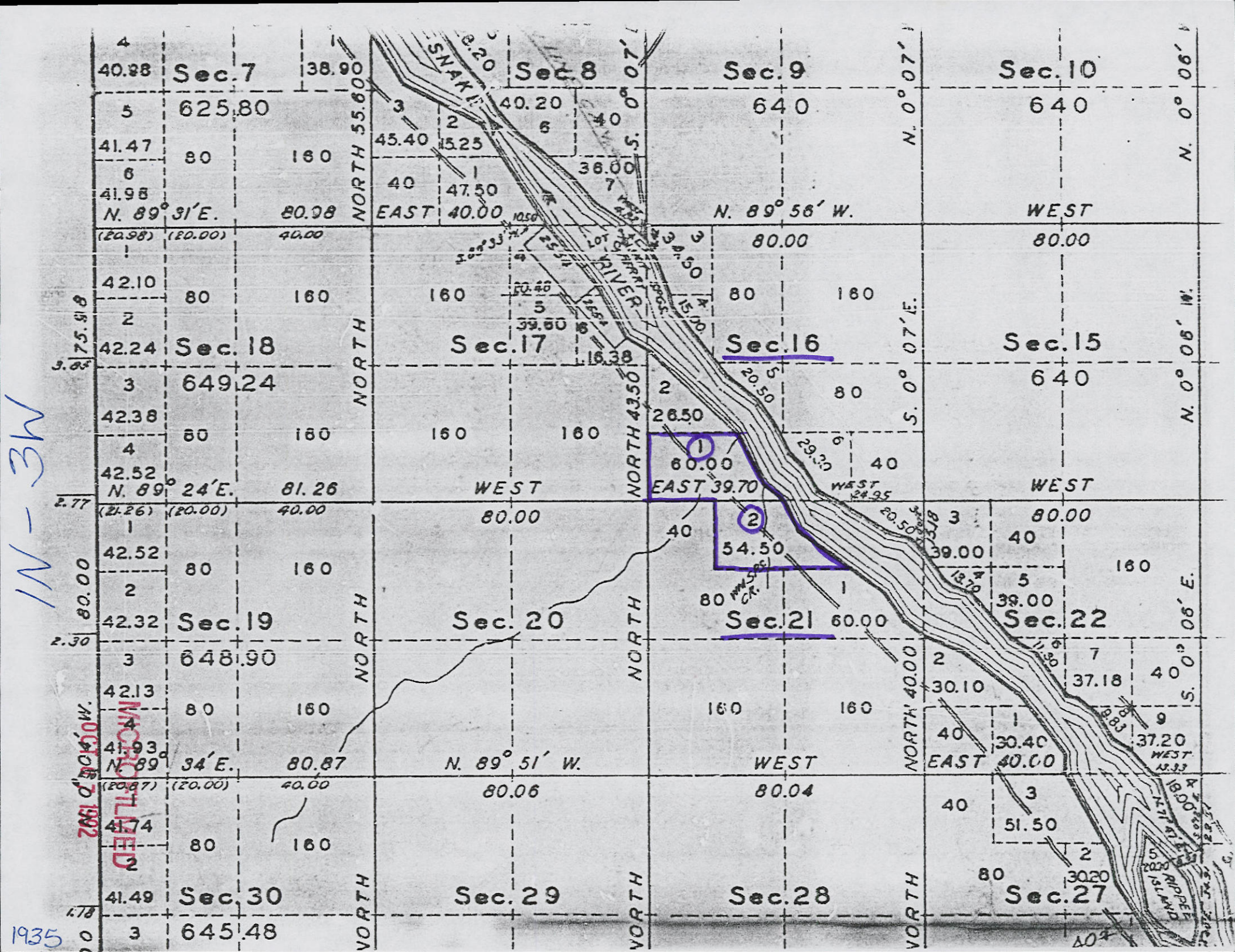
At your request, I have attached sketches of the locations of the pipelines in the spring-box, and have also shown approximate locations for temperatures measured within the spring area. The water analyses, I was told, would not be complete for several weeks; the more common constituents within a week or two, but several weeks for the trace metals. The total cost of the analyses, according to the laboratory, will be about $122.00.

I have enclosed copies of literature on digital thermometers similar to the one I used in the field. The thermometer shown on page 32, distributed by ABBEON-CAL, is probably the best choice, and is the one we use, but I've included information on a couple of others. Also included at your request is a copy of pertinent parts of the State of Idaho Drinking Water Standards, against which you can compare the results of the forthcoming water analysis.

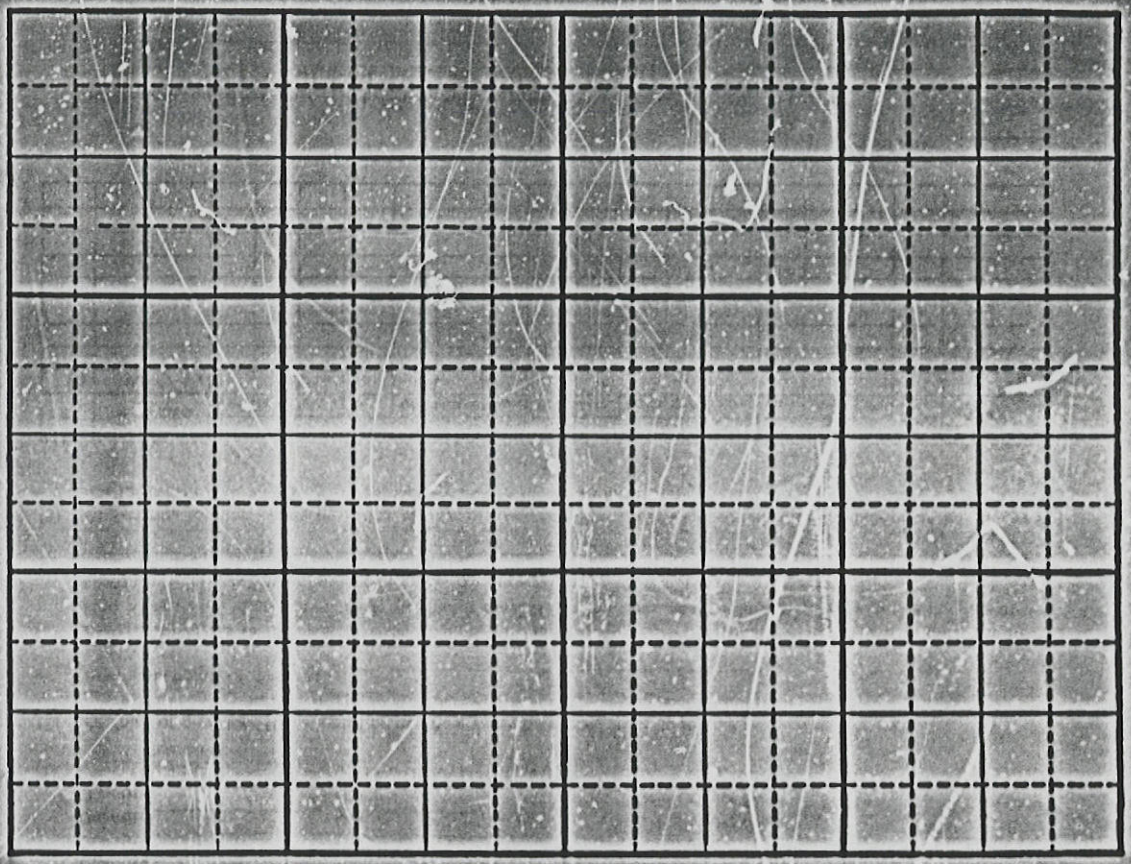
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Sec. 7
Sec. 8
Sec. 9
Sec. 10
Sec. 18
Sec. 17
Sec. 16
Sec. 15
Sec. 19
Sec. 20
Sec. 21
Sec. 22
Sec. 30
Sec. 29
Sec. 28
Sec. 27
625.80
640
649.24
640
648.90
640
645.48
N. 89° 31' E.
80.98
EAST 40.00
N. 89° 58' W.
WEST
N. 89° 24' E.
81.26
WEST
N. 89° 34' E.
80.87
N. 89° 51' W.
WEST
NORTH 55.60
NORTH
NORTH 43.50
NORTH
NORTH 40.00
NORTH
S. 0° 07' E.
N. 0° 07' W.
S. 0° 08' E.
N. 0° 08' W.
SNAKE RIVER
LOT 3
LOT 4
LOT 5
LOT 6
LOT 7
LOT 1
LOT 2
60.00
EAST 39.70
54.50
WEST 24.95
80.00
80.06
80.04
IN - 3W
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1935

(8) Remarks This amended claim better defines the location of place of use, based on surveyed plats.



Scale: 2 inches equal 1 mile.

Map should show the location of the point of diversion and the place of use of the water by 40-acre subdivisions, section, township and range of the public land survey system.

State of Idaho )
) ss.
County of CANYON )

Be it known that the undersigned, being duly sworn, deposes and says that he, she, they subscribed the foregoing claim to a water right, together with all attached information, and that the matters and facts therein are true to the best of the affiant's knowledge.

Shirley N. Marsh
(Claimant)

Sworn to before me this 1st day of April, 19 86.

Notary Public
Residing at CALDWELL

My commission expires August 21, 1988

FOR DEPARTMENT USE ONLY

| | | | | | |
|---|---|---|---|---|---|
| Received by TMV | Date 4-2-86 | Exception filed by: | Fowarded to claimant by: | Date |
| Prelim. check by [illegible] | Date 4-7-86 | | | |
| ~~$20.00 fee received by~~ | Date | AMENDED | | |
| Published in Owyhee Avalanche | | | | |
| Dates 4/16 & 4/23/86 | | | | |

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OCT 07 1992

Form No. 243
9/81

Claim No. 57-4032 AMENDED

# STATE OF IDAHO
# DEPARTMENT OF WATER RESOURCES

AMENDED

## CLAIM TO A WATER RIGHT

AMENDED

Under the provisions of Section 42-243, Idaho Code, any person using or claiming rights to the public waters of Idaho established by diversion and application to a beneficial use must file a claim with the Department of Water Resources on or before June 30, 1983. Exempted from this filing are single family domestic uses as defined in Section 42-230(d), Idaho Code. Also exempted are rights represented by a permit, license, decree, adjudicated right, or a previously filed claim.

**The filing of this claim does not confirm the water right claimed but failure to file may result in forfeiture of a water right.**

Notice is hereby given that Shirley Marsh (Name of Claimant)

1910 Everett St., Caldwell, ID 83605 (Mailing Address) (Zip Code) Telephone No. 454-9446

claims a right to the diversion and beneficial use of the surface or ground water. The extent and nature of said claim is as follows:

(1) Date of priority: (When was the water first applied to a beneficial use) 7/1/1881

A claim is not acceptable on a ground water source with a priority later than March 25, 1963 or on a surface water source with a priority later than May 20, 1971. An exception is that a claim may be filed on single family domestic use from a ground water source.

(2) Describe the source of water: (Name of stream, lake, spring, etc., or ground water)
Spring tributary to Snake River

(3) Describe the purpose for which the water has been used and the time during the year when you have used the right claimed:

| | (cfs, af) | (Domestic, Irrigation, Stock, Etc.) | (Both dates inclusive) Period of Use From (Mo., Day) | To (Mo., Day) |
|---|---|---|---|---|
| Quantity | 1.1 | Use commercial | Period of Use From 1/1 | To 12/31 |
| Quantity | | Use | Period of Use From | To |
| Quantity | | Use | Period of Use From | To |
| Quantity | | Use | Period of Use From | To |
| Quantity | | Use | Period of Use From | To |

(4) 1.1 (cfs, af) TOTAL QUANTITY USED.

(5) A) Point of diversion: (Location of point where water is diverted from its source)
NW ¼ NW ¼, Sec. 21 Twp. 1N Rge. 3W B.M., County of Owyhee
Additional points of diversion:

B) Describe means of diversion of water: (Pump and pipeline, well, diversion dam, reservoir, length of ditch and field, etc.). Give sizes and capacities: be as specific as possible. Describe any changes in the system and give the date of the change. Gravity flow to place of use

(6) A) Describe location of use by listing number of irrigated acres within each 40-acre tract in appropriate box. If use is not for irrigation, place an "X" in appropriate box to show location.

| T | R | SEC. | NE¼ | | | | NW¼ | | | | SW¼ | | | | SE¼ | | | | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | |
| 1N | 3W | 16 | | | | | | | | | | | C | C | | | | | |
| | | 21 | | | | | C | C | | | | | | | | | | | |
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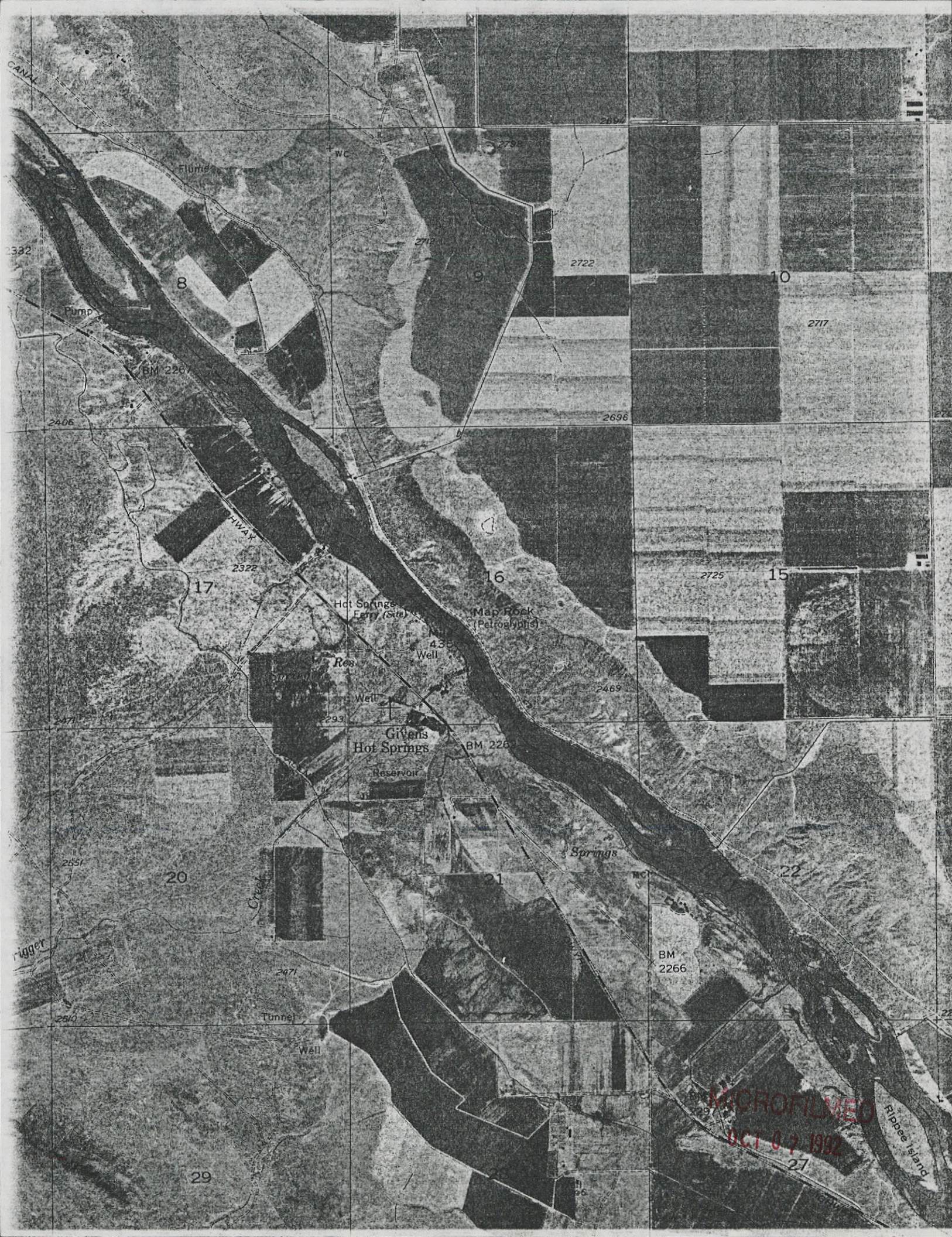
No. of acres

B) If water is used for other than irrigation, fully describe that use, being as specific as possible:
Used for swimming pool and mineral baths

*NOTE:* Include here the type and number of stock watered:

(7) If you are claiming water as a member of an organization, list name of organization:

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BM 2718
2722
2717
2696
2725
2322
Hot Springs Ferry (Site)
Map Rock (Petroglyphs)
Well
Res
2469
2293
Givens Hot Springs
BM 2262
Reservoir
Springs
BM 2266
2471
Tunnel
Well
2286
Rim 2757
BM
8
9
10
11
14
15
16
17
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21
22
28
A57-04032
P.O.D.
POD
RECEIVED
OCT 07 1982
MICROFILMED

"BE IT RESOLVED and ORDERED and this does RESOLVE and ORDER that the boundaries of this Opaline Irrigation District be, and they are hereby, changed so as to exclude from the boundaries of the district the above described real estate and the whole thereof and that from now and henceforth the said lands and the whole thereof be, and they are hereby, excluded from within the boundaries of the said Opaline Irrigation District and the boundaries of said Opaline Irrigation District be, and the same are hereby, altered so that the lands are excluded from the boundaries of said district and from henceforth shall be no part of the Opaline Irrigation District but shall be entirely excluded therefrom and the boundaries of said district be, and they are hereby, altered and changed so that the lands are excluded from the said district."

A yea and nay vote was had on said resolution. All of the Directors present voting in favor thereof and none against. Whereupon, the Chairman declared the motion duly carried and the preamble and resolution duly adopted and the lands excluded from the district.

* * * * * *

STATE OF IDAHO )
) ss.
County of Owyhee )

I, ADAM H. BLACKSTOCK, do hereby certify that I am the duly elected, qualified and acting Secretary of the Opaline Irrigation District; that as such Secretary I have in my custody and care the minutes of the meetings of the Directors of the Opaline Irrigation District; that the above and foregoing is a full, true and correct copy of a motion, preamble and resolution duly passed by the Board of Directors of said Opaline Irrigation District on the 7th day of September, 1948.

Adam H. Blackstock

Secretary

"On or about
Sept. 7, 1948

RESOLUTION AND ORDER

WHEREUPON, the petition of J. L. Jensen was presented to the Board for the detachment of certain lands from the district and a hearing was had thereon.

WHEREUPON, the following preamble and resolution was presented by Director Berry Givens, who moved the adoption thereof, which motion was seconded by Director Vene Foster;

WHEREAS, the petition of J. L. Jensen has been presented to the Board for detachment of said lands from the District and altering the boundaries of the District to exclude the said lands from the District; and

WHEREAS, the petition represents that the tract of land hereinafter described contains approximately 20.68 acres, that it has a good and sufficient water system independent of the system of the irrigation district for such irrigation as such land require and that the said land is suitable and has been used for industrial and recreation purposes and that the same is not agricultural or farming land and that the lands are now requiring at any time irrigation water from the district; that the said lands are situate within the Boise Irrigation District and are in Owyhee County, Idaho, and are bounded and described as follows, to-wit:

That part of Sections 16 and 21 of Township 1 North of Range 3 West of the Boise Meridian, more particularly described as follows:

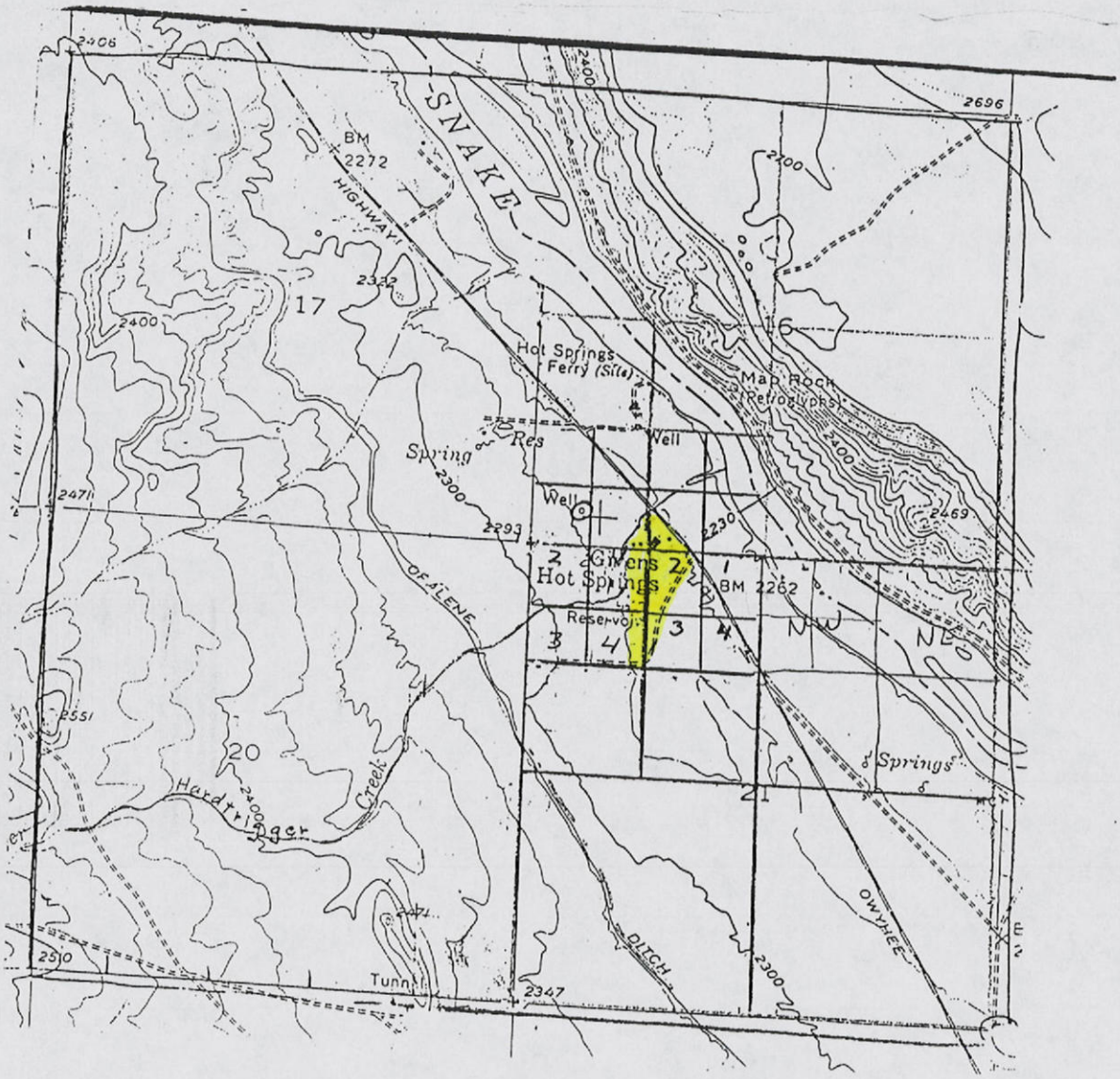
Beginning at a point on the Section line between Sections 16 and 21 aforesaid, 253.9 feet East of the common corner of Sections 16, 17, 20 and 21, Township 1 N., R. 3 W., Boise Meridian, thence S. 31°30' E. a distance of 1050 feet; thence N. 32°01' E. a distance of 887.6 feet; thence N. 38°21' W. a distance of 309.5 feet; thence N. 42°52' W. a distance of 276.5 feet; thence N. 43°59' W. a distance of 428.5 feet; thence S. 68°49' W. a distance of 620.5 feet; thence S. 21°30' E. a distance of 418.0 feet to the point of beginning.

And it appearing to the B[illegible] evidence adduced that

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# Irrigation Exclusion #617

Sept. 13 1948




GHS Property 20.68/Acres

All were in favor; NONE Against

Presented by Berry Givens - Director

Seconded by Vene Foster - Director

Signed by Adam Blackstock - Secretary

Petitioned by J. L. Jensen - Property Owner

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Source OCT 07 1992

Owyhee County Courthouse
Recorder's Office
Murphy, ID.

*Data on thermal springs in the United States*—Continued

Idaho—Continued

[See pl. 11]

| Map no. | Location | Name | Geology | Temperature (° F.) | Approximate discharge (gallons a minute) | References [1] | Remarks |
|---|---|---|---|---|---|---|---|
| | *Bingham County* | | | | | | |
| 157 | 3 miles southeast of old Fort Hall, sec. 36, T. 3 S., R. 37 E. | Lincoln Valley Warm Springs. | Limestone, probably Carboniferous. | 69–87 | | 166, p. 150; 169, p. 152. | 5 springs; local use. |
| | *Owyhee County* | | | | | | |
| 158 | Enterprise, T. 1 N., R. 3 W. | | Lake sediments of Payette formation; artesian structure. | 128 | 3,000 | 60, p. 27; 61, p. 5. | 1 spring; bathing, irrigation. |
| 159 | South side of Snake River, near mouth of Reynolds Creek, T. 1 S., R. 3 W. | Given's Hot Springs* | Miocene sediments near Tertiary lava. | 98 | 35 | (169, p. 181; 171, p. 223; 173, p. 345. | 2 springs; bathing. |
| 159a | Toy ranch, sec. 29, T. 5 S., R. 1 E. | (2) | Alluvium | 115–120 | 50 | 174 | Several springs; bathing. |
| 160 | Shoofly Creek, near Grand View, sec. 14, T. 6 S., R. 3 E. | | Lake beds of Payette formation (Tertiary). | Warm | 300 | 174 | 2 springs; irrigation; tufa deposits. |
| 161 | Little Valley Creek, 10 miles southeast of Comet, NE¼ sec. 32, T. 6 S., R. 5 E. | Rosebrier Spring | Valley alluvium; near fault in lake beds of Payette formation. | 101 | Small | 59, p. 169; 68, p. 36. | Local use; original flow increased by drilled well. |
| 162 | Near head of Little Valley Creek, SE¼ sec. 24, T. 7 S., R. 4 E. | | Lake beds of Payette formation. | 99 | 135 | 68, p. 36 | 1 spring; irrigation; original flow, 25 gallons a minute, increased by 5 drilled wells. |
| 163 | West side of Bruneau Valley near Hot Springs post office, SE¼ sec. 21, T. 7 S., R. 6 E. | Bruneau Hot Spring | Miocene sediments; artesian structure, or fault. | 105 | 1,200 | 59, p. 167; 60, p. 27; 68, p. 37. | Bathing; irrigation. |
| 164 | Bruneau Valley, SW¼ sec. 22, T. 7 S., R. 6 E. | | Lake beds of Payette formation. | 111 | 35 | 68, p. 37 | 1 spring; local use. |
| 165 | Bruneau Valley, SE¼ sec. 22, T. 7 S., R. 6 E. | Trammel's Hot Springs | Alluvium; near fault in lake beds of Payette formation. | 114 | 1,000 | 68, p. 37 | Bathhouse, bathing pool, irrigation. |
| 166 | East bank of Bruneau River, NW¼ sec. 35, T. 7 S., R. 6 E. | | Probably from Payette formation. | Warm | Large | 68, p. 38 | 1 spring; not used. |
| 167 | 11 miles south of Bruneau, lot 3, sec. 3, T. 8 S., R. 6 E. | Hot Creek Springs | Issue from tuff beneath basalt. | 94–98 | 1,800 | 68, p. 37 | Several springs; irrigation. |
| 168 | Bruneau Valley, below mouth of Hot Creek, lot 1, sec. 3, T. 8 S., R. 6 E. | | Tuff in Payette formation | 100 | | 68, p. 38 | Several springs; local use. |
| 169 | Bruneau Valley, 100 yards below Buckaroo diversion dam, SW¼ sec. 20, T. 8 S., R. 7 E. | | Issues in river bed from Payette formation. | 105 | | 68, p. 38 | 1 spring; not used. |
| 169a | West Fork of Bruneau River, sec. 33, T. 12 S., R. 7 E. | Indian Hot Springs [2] | Rhyolite beneath basalt | 145–158 | 2,000 | 174 | 2 principal springs; bathing. In canyon 650 feet deep. Also called Bat Hot Springs. |
| 169b | 10 miles southwest of Three Creek | Kitty's Hot Hole [2] | Basalt | Hot | Small | 174 | Bathing. |
| | *Gooding County* | | | | | | |
| 170 | Near Blanche, sec. 31, T. 4 S., R. 13 E. | White Arrow Hot Spring | Pliocene lava | 149 | 1,200 | 174 | 4 springs; bathing pool; irrigation. |
| 171 | 1½ miles northeast of White Arrow Springs, T. 4 S., R. 13 E. | Blanche Crater Warm Springs. | Quaternary lava | 80 | Small | 174 | Supply Soda Lake (Lye Lake) covering 3 acres in the crater; not used. |
| 172 | 2 miles southeast of White Arrow Hot Springs. | Tschannen Warm Springs. | Pliocene lava | 110 | | 174 | Seepage forms a small meadow; drilled well has artesian flow of 200 gallons a minute of hot water; local use. |
| | *Twin Falls County* | | | | | | |
| 173 | South side of Snake River, on island in Salmon Falls Creek near Austin, sec. 30, T. 8 S., R. 14 E. | | Tertiary lake beds overlying lava. | 130 | 5 | 174 | 1 spring; bathing. |
| 174 | South side of Snake River near Austin, sec. 31, T. 8 S., R. 14 E. | Ring's Hot Spring | Faulted Tertiary lake beds | 125 | 200 | 174 | Forms a pool, bubbling with odorless gas; local use. |
| 175 | South bank of Snake River, 4 miles above mouth of Salmon River, sec. 33, T. 8 S., R. 14 E. | Banbury Hot Springs | Recent alluvium near fault in Tertiary lake beds. | 131 | 600 | 59, p. 169; 174 | 2 springs improved by drilled well; bathing pool, irrigation. |
| 176 | Canyon of Salmon River, 8 miles above junction with Snake River, about T. 9 S., R. 13 E. | Poison Spring | Tertiary lava | Warm | Small | 59, p. 169 | Not used. |
| 177 | Rock Creek, 10 miles south of Stricker | | do | 90 | 1,300 | 174 | 3 springs [illegible] |



* GHS is not located near the mouth of Reynolds Creek. #159 is the correct Spring to which referred.

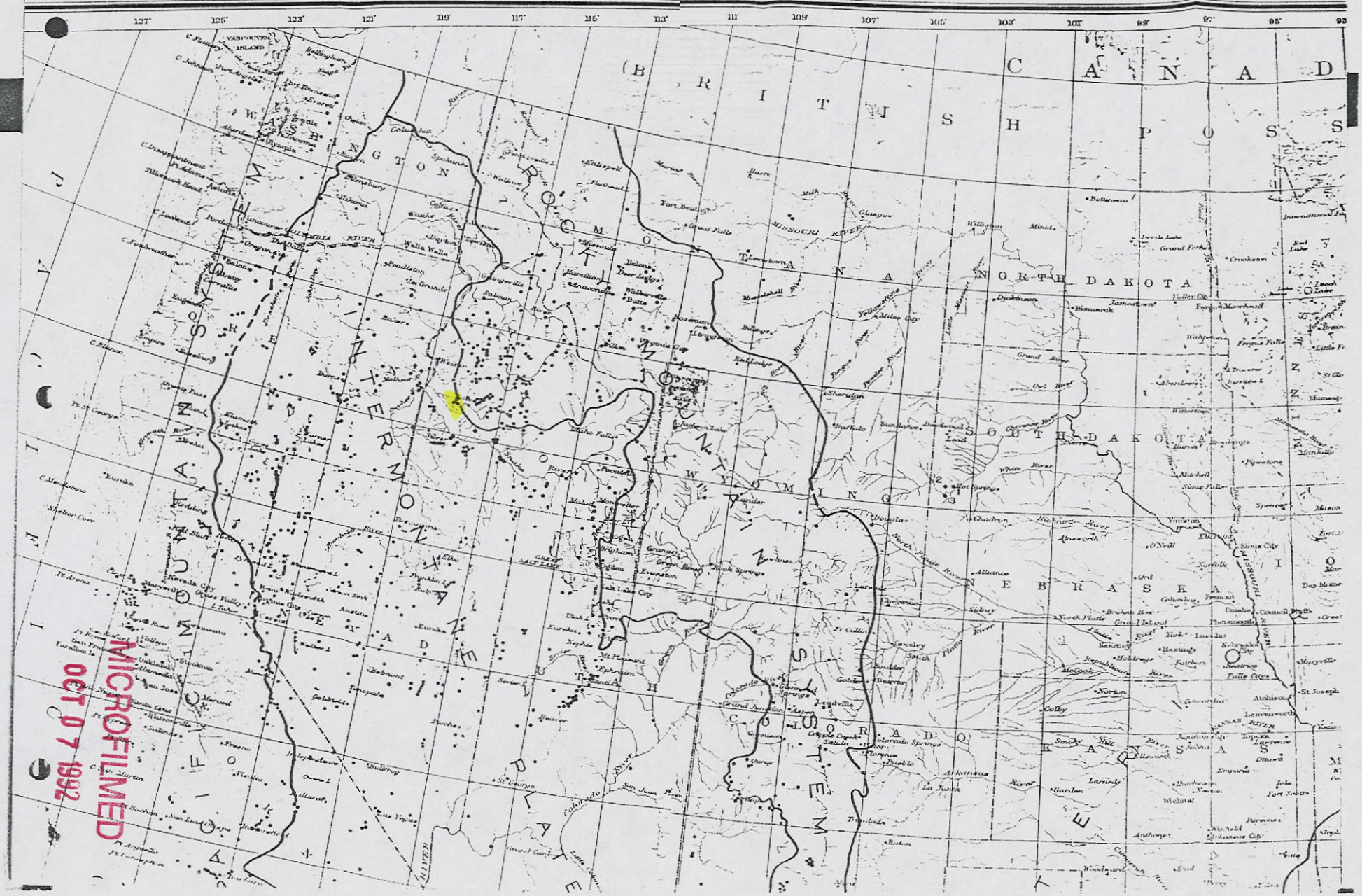
MICROFILMED
OCT 07 1992



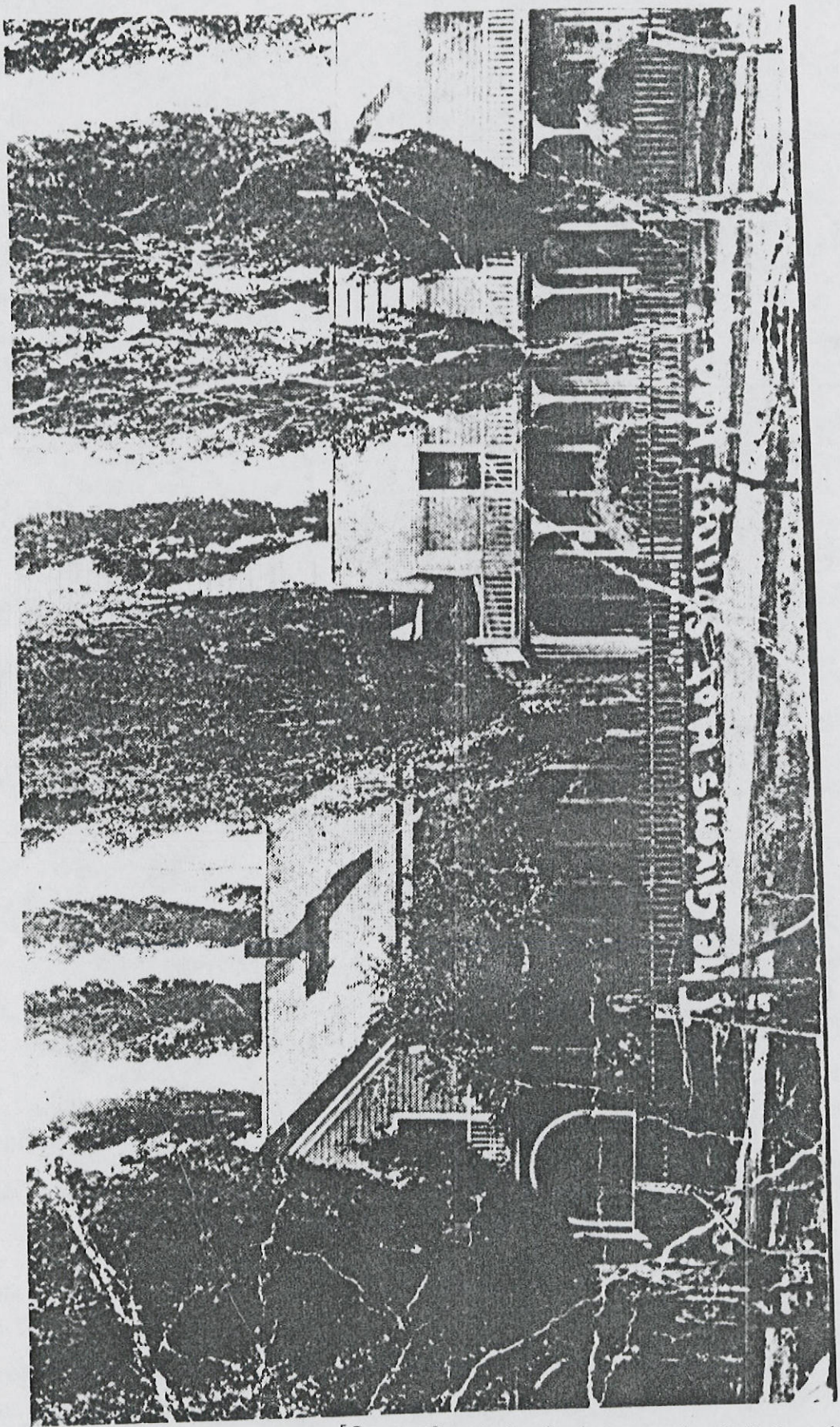

MAP OF IDAHO, MONTANA, AND WYOMING SHO

Numbers refer to table in text.

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GIVENS HOT SPRINGS
Hotel added on to in 1903

MICROFILMED
OCT 0 7 1992

[Copy of original photograph of Helen (Givens) Hansen, of Boise, ID]

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A57-04032
Date Received: 10/25/1988
Receipt No: W001197
Received By:

**AMENDED** **NOTICE OF CLAIM TO A WATER RIGHT ACQUIRED UNDER STATE LAW** **AMENDED**

1. Name: ELIZABETH CUFF 208-495-2437
   Address: HC 79 BOX 103
   MELBA, ID 83641

2. Date of Priority: NOV 9, 1881

3. Source: SPRING Trib. to: SNAKE RIVER

4. Point of Diversion:

| Township | Range | Section | 1/4 of 1/4 of 1/4 | Lot | County |
|---|---|---|---|---|---|
| 01N | 03W | 21 | SE NW NW | | OWYHEE |

5. Description of diverting works:
   GRAVITY FLOW

6. Water is used for the following purposes:

| Purpose | From | To | C.F.S | (or) | A.F.A. |
|---|---|---|---|---|---|
| COMMERCIAL | 01/01 | 12/31 | 0.080 | | |
| HEATING | 01/01 | 12/31 | 0.080 | | |

7. Total Quantity Appropriated is:
   0.080 C.F.S. (and/or) A.F.A.

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
   C/SWIMMING POOL & MINERAL BATHS: G/HTG. FOR FURNACE & POOLHOUSE.

10. Place of Use:

| Township | Range | Section | 1/4 of 1/4 | Lot | Use | Acres |
|---|---|---|---|---|---|---|
| 01N | 03W | 16 | SW SW | 1 | COMMER | |
| | | | SW SW | 1 | HEAT | |
| | | 21 | NE NW | 2 | COMMER | |



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10. Place of Use: Continued

| Township | Range | Section | 1/4 of 1/4 | | Lot | Use | Acres |
|---|---|---|---|---|---|---|---|
| 01N | 03W | 21 | NE | NW | 2 | HEAT | |

11. Place of use in counties: OWYHEE

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
CLAIM NO. A57-10842/A57-07236E - G.W. SOURCE.

14. Remarks:
COMMERCIAL USE IS FOR POOL IN POOLHOUSE, 8 HOT TUBS IN POOLHOUSE. HEATING USE COVERS THE HOTWATER FLOWING INTO THE FURNACE HEATING THE AIR IN THE FURNACE FOR HEATING OF THE POOLHOUSE. THIS IS A BACKUP FOR THE DIESEL FUEL ALSO USED IN THE FURNACE AND KEEPS THE FURNACE FROM TURNING ON MORE OFTEN. HEATING USE ALSO INCLUDES THE HEATING OF THE POOLHOUSE FROM THE HOTWATER IN THE POOL.

15. Basis of Claim: STATUTORY CLAIM

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do ____ do not X wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: 0

**For Individuals:**

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): Elizabeth L Cary Date: 2-13-91

X _____ Date: _____



MICROFILMED
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State of Idaho )
) SS.
County of ADA )

Subscribed and sworn (or affirmed) before me this 13th day of February 19 91

Seal

Notary Public

Residing at Meridian ID

My Commission Expires 9-14-94



MICROFILMED
OCT 07 1992

| OWNER CODE | NAME & ADDRESS | PRIORITY DATE | WATER USE | USE PERIOD FROM | USE PERIOD TO | DIVERSION RATE | DIVERSION VOLUME |
|---|---|---|---|---|---|---|---|
| C | ELIZABETH L CUFF<br>11699 W POWDERHORN CT<br>BOISE ID 83704<br>(208) 376-6525 | 11/09/1881 | COMMERCIAL | 01-01 | 12-31 | 0.08 CFS | |
| | | | HEATING | 01-01 | 12-31 | 0.08 CFS | |
| | | | | TOTAL DIVERSION: | | 0.08 CFS | |

Water Source: SPRING  Tributary to: SNAKE RIVER  Stage: BENEFICIAL USE

Point(s) of Diversion: T01N R03W S21 SENWNW  OWYHEE County

Place of use Legal Description for: COMMERCIAL

| | | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NENE | NWNE | SWNE | SENE | NENW | NWNW | SWNW | SENW | NESW | NWSW | SWSW | SESW | NESE | NWSE | SWSE | SESE |
| T | R S | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac |
| 01N | 03W 16 | | | | | | | | | | | 01-C | | | | | |
| 01N | 03W 21 | | | | | 02-C | | | | | | | | | | | |

Place of use Legal Description for: HEATING

| | | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NENE | NWNE | SWNE | SENE | NENW | NWNW | SWNW | SENW | NESW | NWSW | SWSW | SESW | NESE | NWSE | SWSE | SESE |
| T | R S | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac |
| 01N | 03W 16 | | | | | | | | | | | 01-H | | | | | |
| 01N | 03W 21 | | | | | 02-H | | | | | | | | | | | |

POU County: OWYHEE

Non-Irrigation Uses: COMMERCIAL, SWIMMING POOL, 8 HOT TUBS; HEATING, FURNACE ROOM.

Other Rights: 57-07236E & 57-10842 - WELL.

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):
57-04032 A57-04032

Other Water Rights Listing Overlapping Place(s) of Use:
57-10842 A02-02072 A57-10842 R57-10842

Remarks: EXP WATER IS LOW TEMPERATURE GEOTHERMAL WATER.

Dates: Exam Made Date: Verified Date: 11/14/1997 Objection Filed Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

MICROFILMED
OCT 0 6 1998

Comments: Date: 11/11/1991 User-ID: SHURTE Subject: COPIED FROM REMARKS
COMMERCIAL USE IS FOR POOL IN POOLHOUSE, 8 HOT TUBS IN POOLHOUSE.
HEATING USE COVERS THE HOTWATER FLOWING INTO THE FURNACE HEATING
THE AIR IN THE FURNACE FOR HEATING OF THE POOLHOUSE. THIS IS A
BACKUP FOR THE DIESEL FUEL ALSO USED IN THE FURNACE AND KEEPS THE
FURNACE FROM TURNING ON MORE OFTEN.

Audit: 11/14/97 MSCHULTE

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RIGHTS FROM: SOURCE: SPRING TRIBUTARY: SNAKE RIVER

RIGHT NUMBER: 57-04032

NAME AND ADDRESS: ELIZABETH L CUFF
11699 W POWDERHORN CT
BOISE ID 83704

SOURCE: SPRING TRIBUTARY: SNAKE RIVER

QUANTITY: 0.08 CFS

*THE QUANTITY FOR NON/IRRIGATION USE IS LIMITED TO THE AMOUNT BENEFICIALLY USED FOR/ COMMERCIAL/ SWIMMING POOL/ & HOT TUBS/ HEATING/ FURNACE ROOM/*

PRIORITY DATE: 11/09/1881

POINT OF DIVERSION: T01N R03W S21 SENWNW Within OWYHEE County

PURPOSE AND PERIOD OF USE:

| PURPOSE OF USE | PERIOD OF USE | QUANTITY |
|---|---|---|
| COMMERCIAL | 01-01 12-31 | 0.08 CFS |
| HEATING | 01-01 12-31 | 0.08 CFS |

PLACE OF USE:

COMMERCIAL Within OWYHEE County
T01N R03W S16 Lot 1 (SWSW)
S21 Lot 2 (NENW)

HEATING Within OWYHEE County
T01N R03W S16 Lot 1 (SWSW)
S21 Lot 2 (NENW)

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

*WATER IS LOW TEMPERATURE GEOTHERMAL WATER/*

EXPLANATORY MATERIAL: BASIS OF CLAIM - BENEFICIAL USE
WATER IS LOW TEMPERATURE GEOTHERMAL WATER.

AJ0749NP
No. R57-04032

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 11/13/97
PAGE: 1

| OWNER CODE | NAME & ADDRESS | PRIORITY DATE | WATER USE | USE PERIOD FROM | USE PERIOD TO | DIVERSION RATE | DIVERSION VOLUME |
|---|---|---|---|---|---|---|---|
| C | ELIZABETH L CUFF<br>11699 W POWDERHORN CT<br>BOISE ID 83704<br>(208) 376-6525 | 11/09/1881 | COMMERCIAL | 01-01 | 12-31 | 0.08 CFS | |
| | | | HEATING | 01-01 | 12-31 | 0.08 CFS | |
| | | | | TOTAL DIVERSION: | | 0.08 CFS | |

Water Source: SPRING  Tributary to: SNAKE RIVER  Stage: BENEFICIAL USE

Point(s) of Diversion: T01N R03W S21 SENWNW  OWYHEE County

Place of use Legal Description for: COMMERCIAL

| | | | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NENE | NWNE | SWNE | SENE | NENW | NWNW | SWNW | SENW | NESW | NWSW | SWSW | SESW | NESE | NWSE | SWSE | SESE |
| T | R | S | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac |
| 01N | 03W | 16 | | | | | | | | | | | 01-C | | | | | |
| 01N | 03W | 21 | | | | | 02-C | | | | | | | | | | | |

Place of use Legal Description for: HEATING

| | | | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NENE | NWNE | SWNE | SENE | NENW | NWNW | SWNW | SENW | NESW | NWSW | SWSW | SESW | NESE | NWSE | SWSE | SESE |
| T | R | S | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac | Lt Ac |
| 01N | 03W | 16 | | | | | | | | | | | 01-H | | | | | |
| 01N | 03W | 21 | | | | | 02-H | | | | | | | | | | | |

POU County: OWYHEE

Non-Irrigation Uses: COMMERCIAL, SWIMMING POOL, 8 HOT TUBS; HEATING, FURNACE ROOM.

Other Rights: 57-07236E & 57-10842 - WELL.

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):
57-04032 A57-04032

Other Water Rights Listing Overlapping Place(s) of Use:
57-10842 A02-02072 A57-10842 R57-10842

Remarks: EXP WATER IS LOW TEMPERATURE GEOTHERMAL WATER.

Dates: Exam Made Date: Verified Date: 08/22/1996 Objection Filed Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

No changes

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Comments: Date: 11/11/1991 User-ID: SHURTE Subject: COPIED FROM REMARKS
COMMERCIAL USE IS FOR POOL IN POOLHOUSE, 8 HOT TUBS IN POOLHOUSE.
HEATING USE COVERS THE HOTWATER FLOWING INTO THE FURNACE HEATING
THE AIR IN THE FURNACE FOR HEATING OF THE POOLHOUSE. THIS IS A
BACKUP FOR THE DIESEL FUEL ALSO USED IN THE FURNACE AND KEEPS THE
FURNACE FROM TURNING ON MORE OFTEN.

Audit: 00/00/00

| OWNER CODE | NAME & ADDRESS | PRIORITY DATE | WATER USE | USE PERIOD FROM | USE PERIOD TO | DIVERSION RATE | DIVERSION VOLUME |
|---|---|---|---|---|---|---|---|
| C | ELIZABETH L CUFF<br>~~HC 79 BOX 103~~ 11600 Powderhorn Ct<br>~~MELBA ID 83641~~ Boise 83704<br>(208) ~~495-2437~~ 376-6525 | 11/09/1881 | COMMERCIAL<br>HEATING | 01-01<br>01-01 | 12-31<br>12-31 | 0.08 CFS<br>0.08 CFS | |
| | | | | TOTAL DIVERSION: | | 0.08 CFS | |

D.K Jr 7-9-92

Water Source: SPRING  Tributary to: SNAKE RIVER  Stage: STATUTORY CLAIM

Point(s) of Diversion: T01N R03W S21 SENWNW  OWYHEE County

Place of use Legal Description for: COMMERCIAL

| | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T R S | NENE Lt Ac | NWNE Lt Ac | SWNE Lt Ac | SENE Lt Ac | NENW Lt Ac | NWNW Lt Ac | SWNW Lt Ac | SENW Lt Ac | NESW Lt Ac | NWSW Lt Ac | SWSW Lt Ac | SESW Lt Ac | NESE Lt Ac | NWSE Lt Ac | SWSE Lt Ac | SESE Lt Ac |
| 01N 03W 16 | | | | | | | | | | | 01-C | | | | | |
| 01N 03W 21 | | | | | 02-C | | | | | | | | | | | |

Place of use Legal Description for: HEATING

| | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T R S | NENE Lt Ac | NWNE Lt Ac | SWNE Lt Ac | SENE Lt Ac | NENW Lt Ac | NWNW Lt Ac | SWNW Lt Ac | SENW Lt Ac | NESW Lt Ac | NWSW Lt Ac | SWSW Lt Ac | SESW Lt Ac | NESE Lt Ac | NWSE Lt Ac | SWSE Lt Ac | SESE Lt Ac |
| 01N 03W 16 | | | | | | | | | | | 01-H | | | | | |
| 01N 03W 21 | | | | | 02-H | | | | | | | | | | | |

POU County: OWYHEE

Non-Irrigation Uses: COMMERCIAL, SWIMMING POOL, 8 HOT TUBS; HEATING, FURNACE ROOM.

Other Rights: 57-07236E & 57-10842 - WELL.

Remarks: WATER IS LOW TEMPERATURE GEOTHERMAL WATER.

Dates: Exam Made Date: 11/07/1990 Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

Comments: Date: 11/11/1991 User-ID: SHURTE Subject: COPIED FROM REMARKS
COMMERCIAL USE IS FOR POOL IN POOLHOUSE, 8 HOT TUBS IN POOLHOUSE.
HEATING USE COVERS THE HOTWATER FLOWING INTO THE FURNACE HEATING
THE AIR IN THE FURNACE FOR HEATING OF THE POOLHOUSE. THIS IS A
BACKUP FOR THE DIESEL FUEL ALSO USED IN THE FURNACE AND KEEPS THE
FURNACE FROM TURNING ON MORE OFTEN.

Audit: 05/28/91 SHURTE 11/12/91 SHURTE 02/24/92 HARRIS

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## ADJUDICATION CLAIM CHECKLIST

NOTICE OF CLAIM NO. A57-074032

| WR ELEMENT | FIELD EXAM Y/N-IF NO, DO OFFICE VERIFICATION | FIELD EXAM OR IN-OFFICE VERIFICATION WHOM/DATE | CLAIM VERIFIED BY CODE (SEE BELOW) | CHANGE CLAIM Y/N | CLAIMANT CONTACT NEEDED - Y/N** | REVIEW COMPLETED WHOM/DATE |
|---|---|---|---|---|---|---|
| PRIORITY* | YES | 11-7-90 | EVIDENCE SUPPORTS 1881 | YES | NO | 11-11-91 |
| PT. OF DIV. | | | 1, 2, 5 | NO | NO | |
| SOURCE | | | 5 | NO | NO | |
| PL. OF USE | | | 1, 2, 5 | YES | YES | |
| DIV. AMOUNT CFS/AF | | | IDWR MEAS. & OTHER REPORTS ATTACHED IN CUR | YES | YES | |
| CONSUMPTIVE USE | | | N/A | NO | NO | |
| NATURE OF USE | | | 5 | YES | YES | |
| PERIOD OF USE | | | 5 | NO | NO | |
| BASIS OF CLAIM | | | 5 | NO | NO | |
| REMARKS | | | N/A | YES | NO | |

"R" RECORD

DATA ENTRY COMPLETED BY [signature] DATE 11-11-91

FINAL RECOMMENDATION BY [signature] DATE 11-11-91

*IF REQUIRED HAS EVIDENCE OF PRIORITY BEEN SUBMITTED - YES X NO ____.

**IF CLAIMANT CONTACT IS NEEDED, COMPLETE CLAIMANT CONTACT CHECKLIST AND ATTACH.

VERIFICATION CODES

TOPO MAP/ORTHOPHOTO = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER(SEE COMMENTS) = 6

COMMENTS: System description & pictures attached to back of CUR.

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:18:47
05/15/91

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A57-04032

---

LAST: MARSH FIRST: SHIRLEY
ADDRESS: 1910 EVERETT ST.
CITY: CALDWELL STATE: ID ZIP: 836050000
PHONE NUMBER: 208-000-0000

OWNER CODE: O

LAST: CUFF FIRST: ELIZABETH
ADDRESS: HC 79 BOX 103
CITY: MELBA STATE: ID ZIP: 83641
PHONE NUMBER: 208-495-2437

OWNER CODE: C

| | DATABASE | FIELD EXAMINER |
|---|---|---|
| FIELD EXAM REQUIRED? | | |
| VERIFICATION REQUIRED DUE TO REMARKS? | Y | |

CLAIM REMARKS: COMMERCIAL USE IS FOR POOL IN POOLHOUSE, 8 HOT TUBS IN POOLHOUSE. HEATING USE COVERS THE HOTWATER FLOWING INTO THE FURNACE HEATING THE AIR IN THE FURNACE FOR HEATING OF THE POOLHOUSE. THIS IS A BACKUP FOR THE DIESEL FUEL ALSO USED IN THE FURNACE AND KEEPS THE FURNACE FROM TURNING ON MORE OFTEN. ~~HEATING USE ALSO INCLUDES THE HEATING OF THE POOLHOUSE FROM THE HOTWATER IN THE POOL.~~

ONLY FOR FURNACE ROOM

Transfer to Comments

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PAGE: 2
FIELD EXAMINATION INFORMATION

CLAIM NUMBER: A57-04032

CONTACT PERSON: Liz Cuff

PHONE NUMBER: (208) 495-2437

DATE OF FIELD EXAM: 11/2/90 APPOINTMENT MADE: Y(X) N(__)

TIME: 9:30 A(X) P(__)

ACCOMPANIED BY: same as above

PHONE NUMBER: (__) ___-____

RELATIONSHIP TO CLAIMANT: same

DIRECTIONS TO PROPERTY / REMARKS:

Meet at Givens Hot Springs.

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CLAIM NUMBER: A57-04032

A. AJ CLAIM: # A57-04032 PRIORITY DATE: 11-09-1881 STAGE: S

B. WR RECORD: # 57-04032 PRIORITY DATE: 07-01-1881 STAGE: S

C. FIELD EXAM REQUIRED?

| | DATABASE | FIELD EXAMINER |
|---|---|---|
| DUE TO PRIORITY DATE DISCREPANCY? (Y/N) | Y | |

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y(__) N(X)
IF YES EXPLAIN.

REMARKS: Evidence of priority submitted entitled "Givens Hot Springs Support Data for priority date/use of water & historical & officially recorded gpm flow". See page 2 of this booklet in file. Page 3 is the Homestead affidavit in which Mr. Milford K. Givens, orig. owner of Givens Hot Springs, states that he had lived on this property since 11-9-1881. Further documentation of the use of the springs for bathing etc. is shown in an article dated 8-19-82 stating that Mr. Givens has built a bathhouse to accomodate visitors plus board & lodging.

RECOMMENDED PRIORITY DATE: 11-9-1881

REVIEWED BY _____ DATE 11-11-91 -R-FILE MADE

Priority date amended from 7-1-1881 to 11-9-1881 on 2-13-91 per evidence of priority submitted. (see evid. of priority in folder on correspondence stack) Owner signed amended claim - agreed w/Dept.

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POINT OF DIVERSION REVIEW SHEET CLAIM NUMBER: A57-04032

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

| RIGHT | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY |
|---|---|---|---|---|---|---|---|---|
| A57-04032 | 01N | 03W | 21 | SE | NW | NW | | OWYHEE |

OTHER AJ CLAIMS WITH SAME AJ POD

| A PREFIX | R PREFIX |
|---|---|
| NONE | NONE |

WR RECORDS IN SAME 40 ACRE TRACT

57-07236G
57-04033
57-04035

SOURCE: SPRING TRIB: SNAKE RIVER

B. WR POINT OF DIVERSION AND SOURCE:

| RIGHT | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY |
|---|---|---|---|---|---|---|---|---|
| 57-04032 | 01N | 03W | 21 | | NW | NW | | OWYHEE |

OTHER WR RECORDS WITH SAME WR POD

57-07236G
57-04033
57-04035

AJ CLAIMS IN SAME 40 ACRE TRACT

| A PREFIX | R PREFIX |
|---|---|
| A57-07236E | NONE |

SOURCE: SPRING TRIB: SNAKE RIVER

C. FIELD EXAM REQUIRED?

| | DATABASE | FIELD EXAMINER |
|---|---|---|
| DUE TO POD DISCREPANCY? (Y/N) | Y * | |
| DUE TO SOURCE DISCREPANCY? (Y/N) | N | |

REMARKS:

* Discrepancy is due only to the fact that the orig. stat. claim went down to the 40-ac tract and the claim went down to the 10-ac tract. Both are in the NWNW Sec. 21 - no discrepancy. stat. + adj. claims.

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POINT OF DIVERSION REVIEW SHEET CONTINUED

CLAIM NUMBER: A57-04032

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

| TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | COUNTY |
|---|---|---|---|---|---|---|---|
| 1N | 3W | 21 | SE | NW | NW | NONE | OWYHEE |

SOURCE: SPRING TRIB: SNAKE RIVER

REVIEWED BY: _____ DATE: 5/28/91

MICROFILMED
OCT 07 1992

PLACE OF USE REVIEW SHEET

CLAIM NUMBER: A57-04032

A. ROOT WATER RIGHT NUMBERS: A57-04032

B. POU LISTING

| TWP | RNG | SEC | 1/4 | 1/4 | LOT | NAME | AJ #/ACRES | | WR #/ACRES | | LANDSAT DATA | FIELD EXAM. POU | RECOMM. ~~ACRES~~ POU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01N | 03W | 16 | SW | SW | 1 | CUFF , ELIZABETH | A57-04032 | / | - | / | 3.0 | | |
| | | | SW | SW | 1 | OPALINE IRRIGATION DISTRICT | A02-02072 | /30.0 | 02-02072 | / 4.0 | | | |
| | | | SW | SW | 1 | CUFF , ELIZABETH L. | A57-10842 | / 2.0 | - | / | | | |
| | | | SW | SW | | MONCRIEF , LESTER J. | | | 02-07276C | /12.0 | | | |
| | | | SW | SW | | MARSH , SHIRLEY | | | 57-04032 | / | | | |
| | | | SW | SW | | MARSH , SHIRLEY | | | 57-04033 | / | | | |
| | | | SW | SW | | GIVENS HOT SPRINGS INC. | | | 57-04034 | / | | | |
| | | | SW | SW | 1 | OPALINE IRRIGATION DIST. | | | A02-02072 | / | | | |
| | | | SW | SW | | MONCRIEF , LESTER J. | | | 57-07236G | / | | | |
| 01N | 03W | 21 | NE | NW | 2 | CUFF , ELIZABETH | A57-04032 | / | - | / | 21.0 | | |
| | | | NE | NW | 2 | OPALINE IRRIGATION DISTRICT | A02-02072 | / 2.0 | - | / | | | |
| | | | NE | NW | 2 | CUFF , ELIZABETH L. | A57-10842 | / 4.0 | - | / | | | |
| | | | NE | NW | | MONCRIEF , LESTER J. | | | 02-07276C | /40.0 | | | |
| | | | NE | NW | | MARSH , SHIRLEY | | | 57-04032 | / | | | |
| | | | NE | NW | | MARSH , SHIRLEY | | | 57-04033 | / | | | |
| | | | NE | NW | 2 | OPALINE IRRIGATION DIST. | | | A02-02072 | / | | | |
| | | | NE | NW | | MONCRIEF , LESTER J. | | | 57-07236G | / | | | |
| 01N | 03W | 21 | NE | NW | 2 | CUFF , ELIZABETH | A57-04032 | / | - | / | 21.0 | | |
| | | | NE | NW | 2 | OPALINE IRRIGATION DISTRICT | A02-02072 | / 2.0 | - | / | | | |
| | | | NE | NW | 2 | CUFF , ELIZABETH L. | A57-10842 | / 4.0 | - | / | | | |
| | | | NE | NW | | MONCRIEF , LESTER J. | | | 02-07276C | /40.0 | | | |
| | | | NE | NW | | MARSH , SHIRLEY | | | 57-04032 | / | | | |
| | | | NE | NW | | MARSH , SHIRLEY | | | 57-04033 | / | | | |
| | | | NE | NW | 2 | OPALINE IRRIGATION DIST. | | | A02-02072 | / | | | |
| | | | NE | NW | | MONCRIEF , LESTER J. | | | 57-07236G | / | | | |
| 01N | 03W | 16 | SW | SW | 1 | CUFF , ELIZABETH | A57-04032 | / | - | / | 3.0 | | |
| | | | SW | SW | 1 | OPALINE IRRIGATION DISTRICT | A02-02072 | /30.0 | 02-02072 | / 4.0 | | | |
| | | | SW | SW | 1 | CUFF , ELIZABETH L. | A57-10842 | / 2.0 | - | / | | | |
| | | | SW | SW | | MONCRIEF , LESTER J. | | | 02-07276C | /12.0 | | | |
| | | | SW | SW | | MARSH , SHIRLEY | | | 57-04032 | / | | | |
| | | | SW | SW | | MARSH , SHIRLEY | | | 57-04033 | / | | | |
| | | | SW | SW | | GIVENS HOT SPRINGS INC. | | | 57-04034 | / | | | |
| | | | SW | SW | 1 | OPALINE IRRIGATION DIST. | | | A02-02072 | / | | | |
| | | | SW | SW | | MONCRIEF , LESTER J. | | | 57-07236G | / | | | |
| | | | TOTAL ACRES | | | | A57-04032 | | | | 48.00 | | |

SWSW LOT 1 (COMMERCIAL USE)

NENW LOT 2 (Commercial use)

NENW LOT 2 (HEATING USE)

SWSW LOT 1 (HEATING USE)

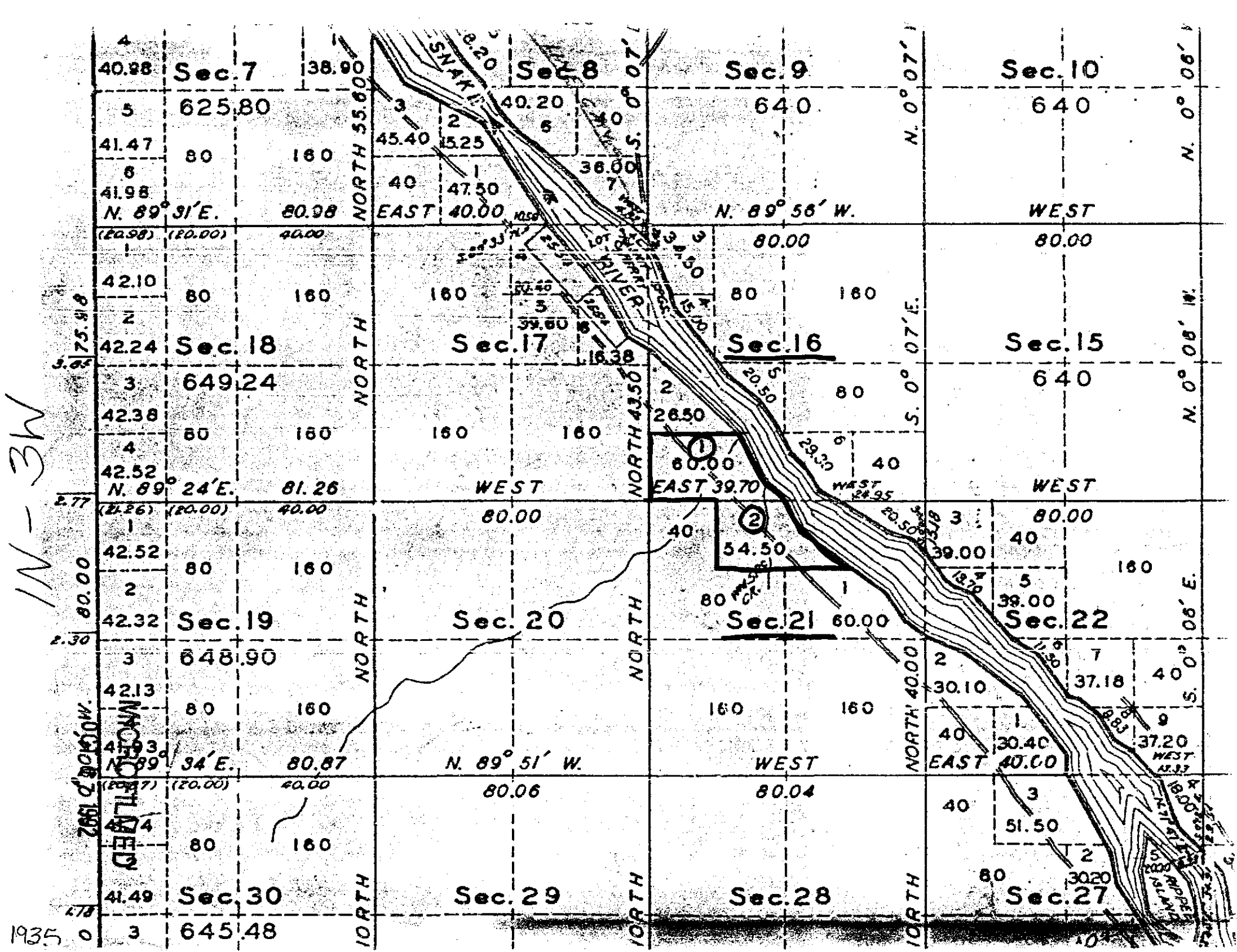
ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y( ) N( )
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N) DATABASE Y FIELD EXAMINER

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2722
2717
17
2725
BM
2266
27


Sec. 7
Sec. 8
Sec. 9
Sec. 10
Sec. 18
Sec. 17
Sec. 16
Sec. 15
Sec. 19
Sec. 20
Sec. 21
Sec. 22
Sec. 30
Sec. 29
Sec. 28
Sec. 27
SNAKE RIVER
NORTH 35.60
NORTH 43.50
S. 0° 07' E.
N. 0° 07' E.
N. 0° 08' W.
S. 0° 08' E.
N. 89° 31' E.
N. 89° 56' W.
N. 89° 24' E.
N. 89° 51' W.
N. 89° 34' E.
WEST
EAST
640
625.80
649.24
648.90
645.48
80.00
80.06
80.04
80.87
81.26
80.98
40.00
160
MARCH 1982

1935

IN - 3W

PRESUMPTION FLAG:

REMARKS:
Commercial use is for filling & re-circulating hot water thru pool and 8 ~~jtd~~. hot tubs in ~~pool~~ house. Heating is for the furnace which is utilizing the hot water by flowing thru a radiator type unit in the furnace which helps keep the furnace air warmer causing the furnace to turn on less (cuts fuel usage) ~~and, heating of the poolhouse via the hot waters in the pool~~ poolhouse loops.

RECOMMENDATIONS:

TOTAL ACRES: N/A

REVIEWED BY: [signature] DATE: 5/29/91

Furnace heats poolhouse - per Jim Cuff on 2/5/91 Heating is only of the furnace room.

NON-IRRIG. USES: Commercial use for swimming pool and 8 hot tubs. Heating use for furnace. ~~and poolhouse~~ see above. room.

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PURPOSES REVIEW SHEET

CLAIM NUMBER: A57-04032

A. AJ CLAIMED USES:

| | PURPOSES | MONTH/DAY | DIVERSION QUANTITY |
|---|---|---|---|
| A57-04032 | COMMERCIAL | FROM 01-01 TO 12-31 | .080 CFS |
| A57-04032 | HEATING | FROM 01-01 TO 12-31 | .080 CFS |
| | TOTAL DIVERSION RATE/VOLUME CLAIMED | | .080 CFS |

B. WR RECORDED USES:

| | PURPOSES | MONTH/DAY | DIVERSION QUANTITY |
|---|---|---|---|
| 57-04032 | COMMERCIAL | FROM 01-01 TO 12-31 | 1.100 CFS |
| | TOTAL DIVERSION RATE/VOLUME CLAIMED | | 1.100 CFS |

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

| | DATABASE | FIELD EXAMINER |
|---|---|---|
| DUE TO WATER-USE DISCREPANCY? (Y/N) | Y | |
| DUE TO DIVERSION RATE DISCREPANCY? (Y/N) | Y | |
| DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N) | Y | |

D. PERIOD OF USE:

RECOMMEND AS CLAIMED? Y(X) N(__)

RECOMMEND TO WR STANDARDS OR OTHER? Y(__) N(__) Explain in remarks, below.

REMARKS:

Amount of water recommended is based on several reports* + our measurements - total flow is 35 gpm or .08 cfs. See USGS report entitled Mineral Springs dated 1886, pg. 24 in Cved. & Divide est. flow at 336PM and Paul Castelin's report of 12-13-83 meas. 3X 6PM, Mrs Cuff has been meas. the flow per Paul's direction + it varies from 34 to 35 gpm. Also measured by geothermal personnel with the same result.

* Report filed after page 9.

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DIVERSION AMOUNT REVIEW SHEET

CLAIM NUMBER: A57-04032

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS? Y(___) N(X)

AJ TOTAL CLAIMED DIVERSION RATE: 0.080 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.100 CFS

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
** If an amount smaller than the original diversion rate is **
** claimed and an exam is NOT required, explain in remarks. **

FLOW MEASUREMENT REQUIRED?

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N) DATABASE Y FIELD EXAMINER

B. FLOW MEASUREMENT

MEASUREMENT METHOD See attached report as explained on Pg. 8, Part D. , SEE ATTACHED CALCULATIONS.

C. ARE OTHER WATER RIGHTS USED? Y( Y) N(X) IF YES COMPLETE OVERLAP REVIEW. not for the same purpose.

OTHER RIGHTS LISTED IN CLAIM: CLAIM NO. A57-10842/A57-07236E - G.W. SOURCE. ← will be omitted.

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

| CLAIM | SOURCE | NAME | DIV. RATE | DIV. RATE/ACRE | DIV. VOL. | DIV. VOL./ACRE |
|---|---|---|---|---|---|---|
| A02-02072 | SNAKE RIVER | OPALINE IRRIGATION DISTRICT | 50.320 | 0.019 | 125000.00 | 49.23 |

NO RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION

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OCT 0 7 1992

ANDERSON & KELLY, INC.
CONSULTANTS IN ENGINEERING AND GEOLOGY
6700 EMERALD STREET BOISE, IDAHO 83704
(208) 375-9220

December 13, 1983

Mrs. Elizabeth Cuff
Star Route, Box 103
Melba, ID 83641

Dear Mrs. Cuff:

This letter is to summarize the results of our efforts to measure the temperature and discharge of Givens Hot Springs and to collect water samples for analysis on December 9, 1983, while accompanied by you. As you know, after we reviewed what was known about the pipelines from the spring box and their distribution on the property and in the bath-house, it was decided that the only way to be assured of accounting for all the pipelines entering the spring box was to drain it to the point all pipes would be exposed. I exposed the 3-inch steel pipeline for a distance of several feet downgradient of the bank surrounding the spring-box, but could find no valve with which to shut it in. I had hoped to be able to confine all the discharge to the 6-inch concrete pipeline and perhaps measure the flow downgradient from the spring. An irrigation-type valve on the 6-inch concrete pipeline, located about 40 feet south of the south end of the garages, was opened and allowed to flow. Without knowing whether or not the 6-inch pipeline branched above the valve somewhere, there was no way of knowing if all the flow was exiting at the valve. In any event, an attempt to capture this water for measurement of flow failed.

The water level in the spring subsided quite slowly after the 6-inch valve was opened. Unfortunately, due to the sand, silt and gravel banked up against the inside walls of the concrete spring-box, no estimate of discharge could be derived from a computation of volume of spring-box dewatered over time. As the water level declined, the intake for the 3-inch pipeline was exposed, a 90-degree elbow, open end up, with no screen. Entering the spring-box, I verified the size of the 3-inch pipe, determined that another 4-inch pipe at a higher elevation, once an overflow pipe, was now plugged and unusable, and took spot readings of water temperatures. Temperatures ranged from about 118° F. to a maximum of 121.6° F. in the vicinity of the inlet to the 3-inch pipe at points just above the bottom of the spring. The maximum temperature found was from a small seep in the southwest corner of the spring area, of 130.4° F. Water samples were then collected from the vicinity of the inlet to the 3-inch pipeline, which was near the deepest part of the spring.

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OCT 07 1992

At this point, the 6-inch pipeline was taking the entire discharge of the spring, and no further drawdown in the spring was noted. Measured from a point near the center of the middle box girder supporting the roof over the spring, the distance to the bottom of the spring was about 6.2 feet. The distance to the water surface from the same point was about 5.3 feet, indicating a maximum water depth of 0.9 feet. The temperature of the water entering the 6-inch pipeline, which would be an indication of the average temperature, was 119.3° F. At about the same time, the temperature of the water exiting at the valve was about 113° F., indicating a loss of about 6° F. in the approxiamately 700 feet of pipeline. Outside air temperature at the time was about 44.7° F., with wind gusts up to 10 mph.

When it was apparent that there were no other pipes entering the spring box that could be seen, a 90° V-notch weir was put in place in front of the 6-inch pipeline in such a way that all the flow of the spring had to pass through the weir plate before entering the 6-inch pipeline. A yardstick placed in a quiet portion of the spring was zeroed to the apex of the V-notch, and further stage changes were monitored with respect to time. At 3:50 P.M. the stage of the spring was 3.0 inches above the apex of the weir, corresponding to a discharge of [redacted] gallons per minute (gpm). At 3:58 P.M. the stage had not changed from the previous value, indicating that the spring had attained equilibrium; that is, the spring was producing as much water as was being discharged over the weir. Discharge of the spring, under the conditions described, [redacted] which for this time of year, is probably a little above the low which would have been in September-October. Periodic measurements need to be made before the specific highs and lows for the spring system are established, however.

At your request, I have attached sketches of the locations of the pipelines in the spring-box, and have also shown approximate locations for temperatures measured within the spring area. The water analyses, I was told, would not be complete for several weeks; the more common constituents within a week or two, but several weeks for the trace metals. The total cost of the analyses, according to the laboratory, will be about $122.00.

I have enclosed copies of literature on digital thermometers similar to the one I used in the field. The thermometer shown on page 32, distributed by ABBEON-CAL, is probably the best choice, and is the one we use, but I've included information on a couple of others. Also included at your request is a copy of pertinent parts of the State of Idaho Drinking Water Standards, against which you can compare the results of the forthcoming water analysis.

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In order to make periodic measurements of discharge from the spring, you will need to make the weir plate installation more permanent. This can be done by attaching extensions to either end of the weir plate to take the place of the earthen dams which we used, and the weir reinstalled so that the weir plate is both vertical and level across the top of the "V". No water should be allowed to get into the enclosure so formed either under the plate or under the sides. The yardstick should also be more securely emplaced, perhaps by driving a steel fence post into the bottom of the spring until it is solidly in place, then screwing the yardstick to the fence post so that the zero point on the yardstick is precisely at the same elevation as the bottom of the "V" in the weir plate. If this is done, the weir will an give accurate measurement of the discharge of the spring. To make a measurement, all that would need to be done would be to open the lower valve on the 6-inch pipeline and allow the spring to drain until it reaches a point where all the water is flowing through the "V" in the weir, and the level in the spring has stabilized. The number of inches above the zero point on the yardstick can then be read, and, using the table I gave you, you can determine the discharge in gallons per minute.

Water-level fluctuations in deep artesian wells indicate ground-water levels reach a low around September-October and a high around March-April in your area. Consequently, I would recommend that you check the discharge of the spring monthly, except for the periods mentioned above, during which time it should be checked every two weeks. Such a schedule should adequately establish the fluctuations affecting the spring and clearly define the high and low discharge values. As we discussed by phone on December 12, it would be a good idea for one of us to check the weir installation to ensure that it's done correctly, and to certify the discharge measurements made at the low and high points of the annual cycle of the ground-water system. You may want to consider having water quality analyses run on samples taken at both the high and low periods of the year to see if there is any shift in water chemistry which might be important to your operation. A full-scale analysis, such as you are having done now, is probably not necessary; only those constituents affecting public health, or which may be indicators of cold-water influence, need be determined.

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I will contact you again once the results of the water analysis are available. Also, we would be pleased to assist you in any way we can in determining the cost and feasibility of drilling a well as a more assured means of obtaining hot water in larger quantities. Please let me know if and when you might want to pursue this further.

Sincerely,

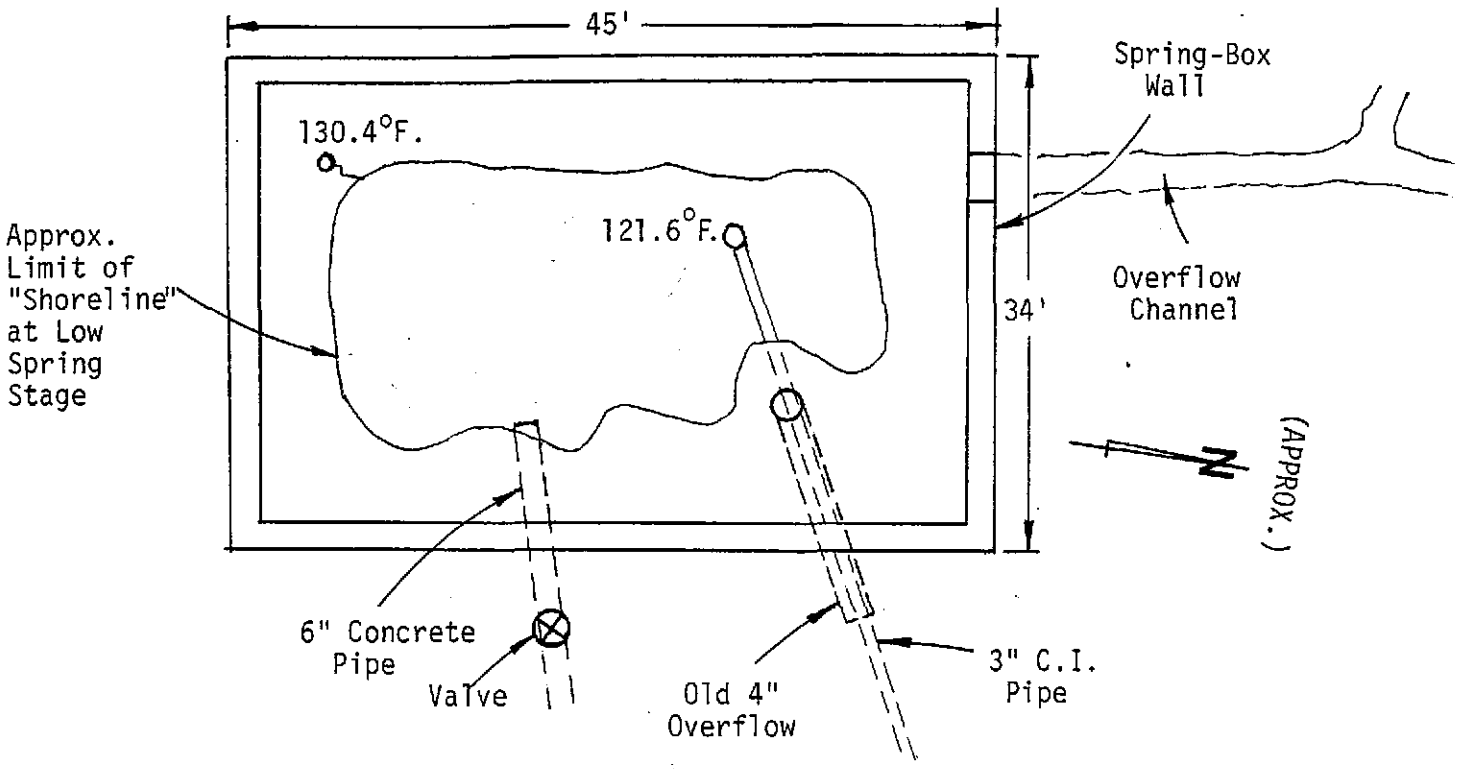
ANDERSON & KELLY, INC.

Paul M. Castelin

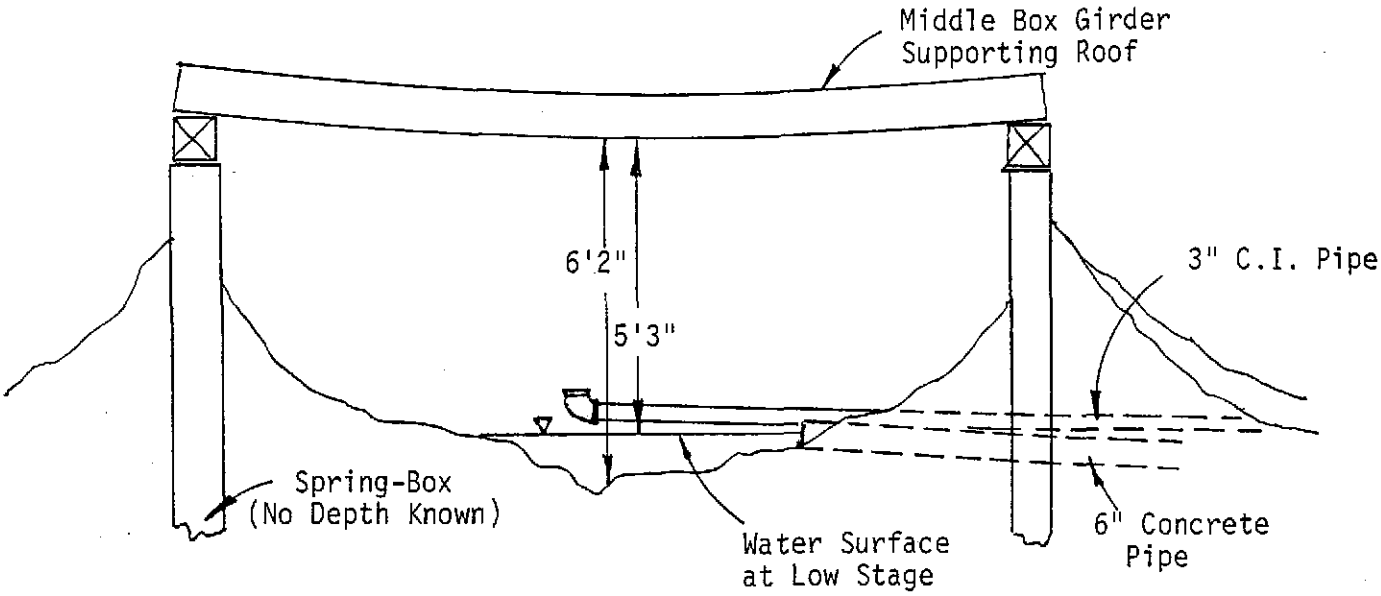
Attachment

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OCT 0 7 1992

Givens Hot Springs
December 1983



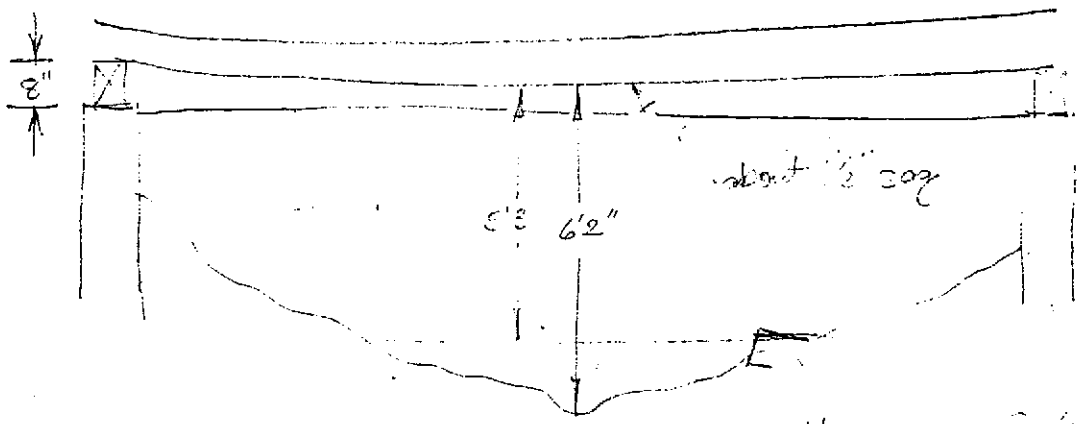

PLAN VIEW OF SPRING BOX




ELEVATION VIEW FROM SOUTH END OF SPRING-BOX

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① Measure spring box dimensions
② Allow water to drain to lowest level
③ Collect water samples & temp.
④ Close 3" pipe w/ plug if possible, close 6" valve (conc pipe)
⑤ Monitor water level rise in spring box
⑥ Allow overflow to go down ditch, over V-notch weir
⑦ Meas. flow w/ current meter. also




water temp @ 2" depth = 49.3°F.

| Time | Q | h |
|---|---|---|
| 3:08 | | |
| 3:14 | | |
| 3:17 | | |
| 3:23 | | |
| 3:50 | | |
| | | |
| | | |

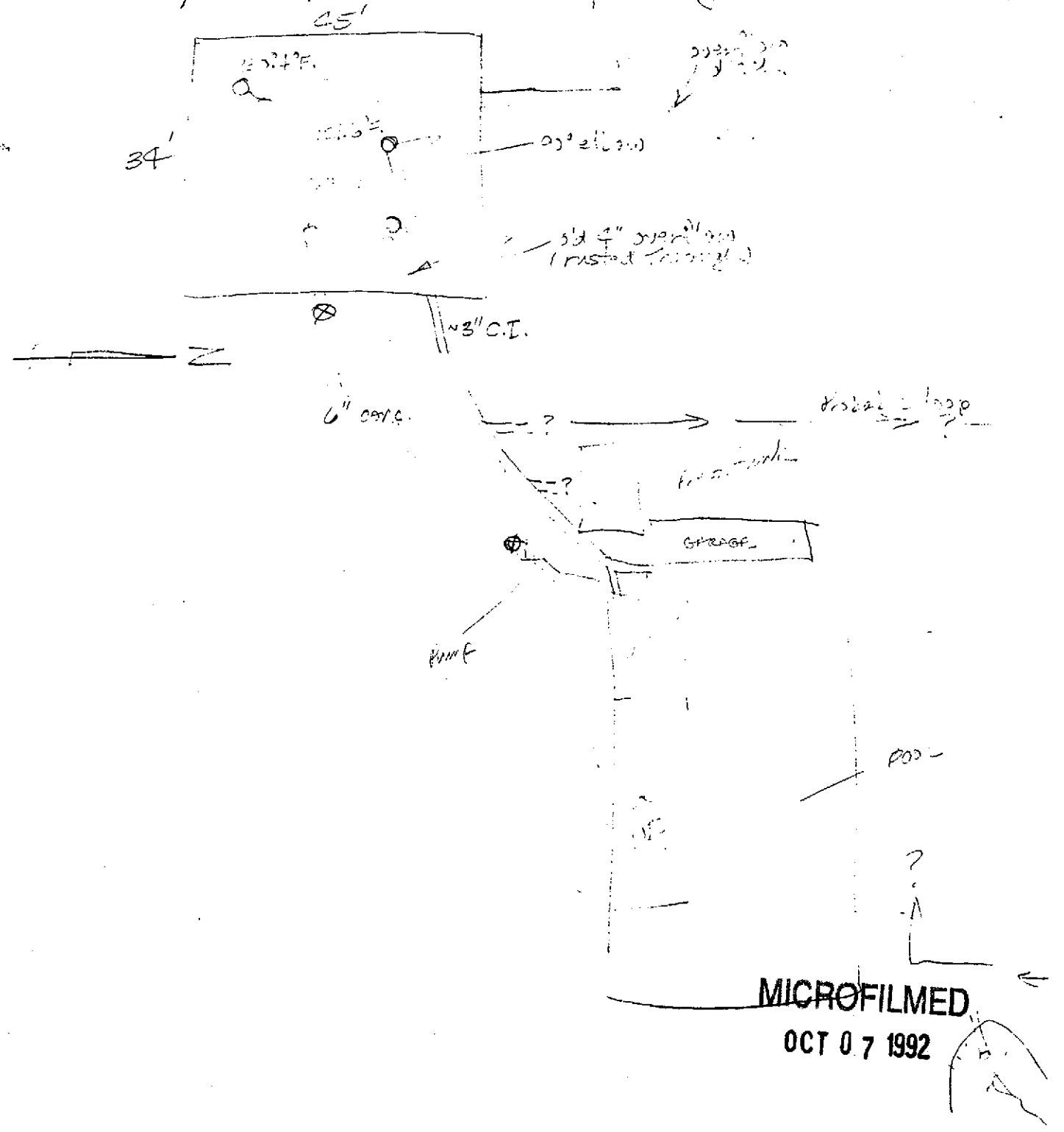
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Givens H.S. 12/9/83

Start mileage 962 Leave 0800

Total

Surface temp. near N. wall of spring box - 41.9°F.




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OCT 07 1992

# CENTURY LABORATORIES, INC.

250 South Beechwood Avenue - Suite II • Boise, Idaho 83709 • (208) 376-2257

SPRING

Submitted by: Elisabeth Cuff

Star Route, Box 103

Melba, ID 83641

Date Sampled _____ Time _____

Date received 12/9/83

Date reported 1/27/84

Sample of Givens Hot Springs

Lab. No. 25208

Sample ID _____

## RESULTS OF ANALYSIS

All results reported in milligrams per liter unless otherwise designated

Check analysis needed:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| X | Alkalinity | 165 | X | Fluoride | 15.5 | | Residue - Dissolved | |
| X | Arsenic | <.010 | | Hardness | | | Residue - Total | |
| | Barium | | X | Iron | 0.40 | | Residue - Suspended | |
| | $BOD_5$ | | | Lead | | X | Selenium | <.005 |
| | Cadmium | | X | Magnesium (cal) | 1 | X | Silver | <.005 |
| X | Calcium | 0.8 | X | Manganese | 0.01 | X | Specific Conductance umhos | 540 |
| | COD | | X | Mercury | <.0005 | X | Sodium | 120 |
| X | Chloride | 20.5 | | Nitrogen-Ammonia | | X | Sulfate | 33 |
| | Chromium | | X | Nitrogen-Nitrate | 0.20 | | Turbidity, NTU | |
| | Coliform, Total/ 100 ml | | | Nitrogen - TKN | | | Zinc | |
| | Coliform, Fecal/ 100 ml | | | Oil and Grease | | X | Potassium | 1.6 |
| | Copper | | X | pH, Units | 9.3 | | | |
| | Cyanide | | | Phosphate-Total | | | | |

Remarks:

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OCT 0 7 1992

Respectfully submitted,
CENTURY LABORATORIES

Laboratory Supervisor

Copies to: ✓ Paul Castelin
ANDERSON & KELLY

Route To: KEA ☐
JEK ☐
PMC ☐
MAN ☐

# FILE MEMORANDUM

Phone ☑ Office ☐ Field ☐ Date 11/30 Time 9:30 (a.m.) p.m.

Talked with Elizabeth Telephone 495-2437

Of

☑ I placed call ☐ Party called File #1232

Follow-up needed

Message or Remarks:

Elizabeth gave O.K., will do 12/1/83

2 pipes - 1 to hot tubs, 1 to pool, not sure of dia. not very accessible at inlet, doesn't know if valves shut in the lines or not.

Overflow - narrow (1') ditch about 20' long to pond may allow for current metering or V-notch weir

Temp. meas. needed also

Told her if two supply lines could be shut in and overflow measured, would be most straightforward; otherwise we'd just have to play it by ear.

Went over water quality parameters and est. cost ($300-400 All O.K.

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D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE
ACRES _____ x 0.02 CFS/ACRE = _____ CFS
(Taken from p/u review)

1b. CALCULATIONS

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y(___) N(___)

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y(__) N(__) ***

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = AF/A

ACRES _____ x CONSUMPTIVE VOL. AF/A FOR AREA _____ =

TOTAL CONSUMPTIVE USE _____ AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES _____ x DIVERSION VOL. AF/A FOR AREA _____ =

TOTAL DIVERSION VOLUME _____ AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y(X) N(___) N/A - source is surface water

Per Dave Shaw - Commercial use is de-minimus Htg - being worked on (de-minimus also per D135)

REMARKS: (Include limitations on CONSUMPTIVE USE for combined rights.)

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 CLAIM NUMBER: A57-04032

RECOMMENDATIONS:

| REC. PURPOSES | REC. PERIOD FROM | TO | REC. DIV RATE CFS DATABASE | REC. DIV RATE CFS EXAMINER | REC. DIV VOL. AF/A DATABASE | REC. DIV VOL. AF/A EXAMINER | REC. CONS. USE DATABASE | REC. CONS. USE EXAMINER |
|---|---|---|---|---|---|---|---|---|
| COMMERCIAL | 1-1 | 12-31 | | .08 | ~~57.8~~ | N/A | N/A | N/A |
| HEATING | 1-1 | 12-31 | | .08 | ~~57.8~~ | surface | N/A | N/A |
| TOTAL FOR THIS RIGHT | | | | .08 | ~~57.8~~ | water | | |

De minimus

REVIEWED BY: _____ DATE: 5/29/91

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OCT 0 7 1992

BASIS OF CLAIM REVIEW SHEET

CLAIM NUMBER: A57-04032

A. CHECK ONLY THE FOLLOWING THAT APPLY:

| | ACCEPTED AS CLAIMED | NEEDS REVIEW |
|---|---|---|
| OWNERSHIP | ( ✓ ) | ( ) |
| FORFEIT/ABANDON | ( ) | ( ) |
| ADDITIONAL DIV. AMOUNT | ( ) | ( ) |

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 57-04032

TOTAL DIVERSION RATE OF WR SPLITS — DATABASE 1.100 — EXAMINER ____ CFS

SPLITS:

| OLD RIGHT NUMBERS | CURRENT CLAIM NUMBERS | DIVERSION RATE | CURRENT "R" CLAIM NUM. | "R" DIV. RATE | WR RIGHT NUMBERS | DIVERSION RATE |
|---|---|---|---|---|---|---|
| - | A57-04032 | 0.080 | - | | 57-04032 | 1.100 |
| | TOTAL CFS | 0.080 | | | | 1.100 |

DIVERSION RATE REVIEW

| | DATABASE | FIELD EXAMINER |
|---|---|---|
| DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N) | N | |
| IF NO, is the written review sheet attached? (Y/N) | | N/A |

REMARKS:

AUTHENTICATION:

SIGNATURE: Jan Shurte DATE: 5/29/91

NAME OF FIELD EXAMINER: JAN SHURTE TITLE: WATER RIGHTS SUPERVISOR

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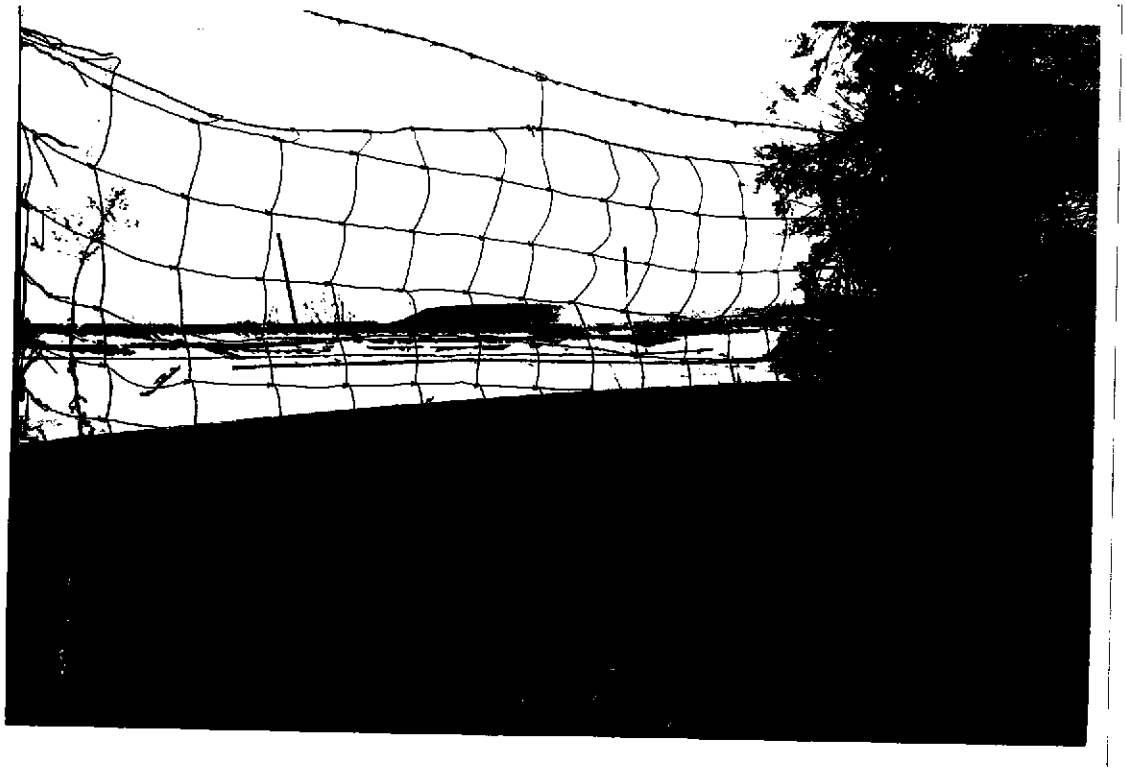
SYSTEM DESCRIPTION ATTACHMENT TO CLAIM VERIFICATION REPORT

CLAIM NO. A57-04032

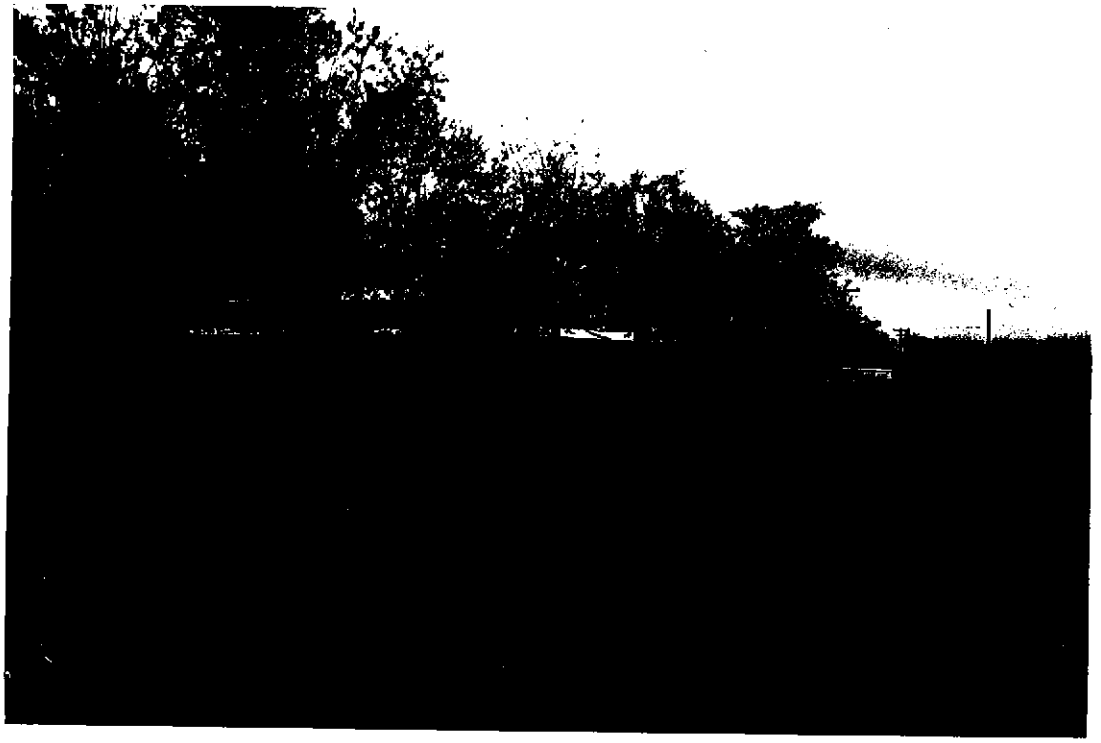
Cement springbox - approx. 3½' x 5' and 6' high & total depth of springbox is underground. (buried pipes). 3" intake pipe delivers spring water into box. Plus seepage from the spring area also delivers some water. A 6" outlet pipe w/valve delivers water to the poolhouse per gravity flow. Water is used in the pool, & hot tubs and to keep the furnace room heated preventing the furnace (diesel) from burning as much. Sheet metal insulated cover over entire springbox. Overflow thru a ditch & natural drainage area to River. Swimming pool holds approx. 90,000 gallons of water.

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CLAIM NO. A57-04032
GIUENS HOT SPRINGS



PT. OF DIV.
SPRING
CATCH
BASIN
FACING SE
LOOKING OVER
TOP OF CEMENT
BOX



PLACE OF USE
GIUENS HOT
SPRINGS
POOLHOUSE

MICROFILMED
OCT 0 7 1992

HOT SPRINGS W/COVER FOR AST-04032

GREENS HOT SPGS.
MAIN BLDG.

# State of Idaho
# DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

October 12. 1990

RE: Claim No(s): A57-04032

A57-04032
ELIZABETH CUFF
HC 79 BOX 103

MELBA ID 83641

Dear Claimant(s):

In the past, you submitted the above referenced claim(s) in the Snake River Basin Adjudication. Enclosed is a computer generated print-out of the claim(s) for your reference only; this print-out is NOT to be returned or re-filed. You have indicated when this claim was filed that the water right(s) was based on "Beneficial Use" of the water. Water rights of this type are established by the historical use of water for a beneficial purpose, dating back to the time the water was first used, this date being the "Priority Date" as shown on the enclosed print-out. Your claim(s) has not been confirmed by a previous filing with the Department of Water Resources since there is no license, decree or permit on file to verify the use of this water. For this reason, the Department is under a legal requirement to gather evidence from claimants supporting the date of first use, or "Priority Date", for claims based on historical beneficial use of water.

Enclosed is a pamphlet entitled "Evidence of Priority" which describes the types of evidence required and explains what kind of documents will fulfill this requirement. While we encourage you to read the entire pamphlet, we would like to direct your attention to the right-hand half of this pamphlet once you open it. There you will find information concerning the evidence requirements mentioned above. The other sections describe to you why this evidence is necessary.

If no evidence is submitted, or we do not hear from you within the time limit below, your priority date, as claimed, cannot be recommended to the Court for decree. This could jeopardize your water use under this right(s), if water availability problems arise in the future. It is our goal to decree the historical water rights within the Snake River Basin as accurately as possible. Field exams to verify other items of the above claim(s) have been or soon will be conducted by Department personnel.

Please submit the required evidence supporting the priority date(s) by December 1, 1990, referencing all documents with the corresponding claim number(s). If you have any questions not covered by this letter or the enclosed pamphlet, please contact a water resource agent in this office.

Sincerely,

Jan Shurte

Jan Shurte
Water Rights Supervisor
Adjudication Section

JS:lh
Enclosures

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OCT 07 1992

**Givens Hot Springs**
Support Data For
PRIORITY DATE,
USE OF WATER,
& HISTORICAL OFFICIALLY RECORDED GPM FLOW

Submitted to Dept. of Water Resources
November 26, 1990

MICROFILMED
OCT 07 1992

RECEIVED
NOV 27 1990
Department of Water Resources
Western Regional Office

26 November 1990

Jan Shurte
Water Rights Supervisor
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705

RE: Claim No. A57-4032
Givens Hot Springs - "Spring"

Dear Jan,

As per your request dated October 12, 1990, I am enclosing documentation to support date of first use, or "Priority Date" of the above referenced water claim.

Realizing there is much reading material submitted in this supporting documentation, I have highlighted the portions of the documents which seem most relevant.

Jan, this documentation appears to also support the use of the spring water for domestic, commercial, and irrigation use. Perhaps this can assist in the problem of where to assign the irrigation.

There is a question which comes to my mind at this point. It was my understanding that this water claim had already been proved and "licensed" before the adjudication process began. Does this hold any credence as far as the adjudication process is concerned, or is this claim in the same situation as a claim which had not been proved and licensed before the adjudication? Your reply will be greatly appreciated.

Should you have any question, or if you should find the enclosed documentation insufficient or inconclusive, please contact me.

Sincerely,

Liz

Elizabeth L. Cuff
Givens Hot Springs
HC-79, Box 103
Melba, ID 83641
(208) 495-2437

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OCT 07 1992

PROOF OF PRIORITY DATE

GIVENS HOT SPRINGS

WATER RIGHTS

As Requested By Department of Water Resources
November 26, 1990

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| DATE | PURPOSE OF PROOF | REFERENCE | Begins on Page |
|---|---|---|---|
| 1881 | Homestead Application of Milford Givens<br>To verify use of water, as early as November 9, 1881. | National Archives, Washington, D.C. | 1 |
| 1882 | Newspaper Articles<br>To verify water from spring being used for irrigation and commerical use. (Many more news articles can be furnished, if necessary). | Idaho Avalanche, Silver City, Idaho, August 19, 1882, October 28, 1882; microfilms located at Idaho State Historical Library, Boise, ID. | 6 |
| 1886 | Homestead Application of Tim Shirley<br>Tim's homestead application and certificate is submitted because Milford voluntarily relinquished his application. (In 1892, Tim sold it back to Milford Givens). Tim was a brother-in-law of Milford. Credit date on Tim's application is the same date as Milford's relinquishment date of March 8, 1886. Testimonies of witness for homestead proof indicate water being used for irrigation purposes. | National Archives, Washington, D.C. | 7 |
| 1886 | US Geological Survey<br>To indicate the inclusion of Givens Hot Springs and its use of water from the spring, in the report of the Department of Interior. | Department of the Interior, Bulletin of the US Geological Survey, No. 32, Mineral Springs of the United States, Washington Government Printing Office 1886, p. 181. | 22 |
| 1891 | Agricultural Survey of Surveyor General's Office<br>To show the recognition of Givens Hot Springs as a local attraction. | Surveyor's Map of Township 1 North, Range 3 West of the Boise Meridian, by Frederick J. Mills, Surveyor General's Office, Boise, Idaho, published March 25, 1892 | 25 |

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PROOF OF PRIORITY DATE, Givens Hot Springs, cont.

| DATE | PURPOSE OF PROOF | REFERENCE | Begins on Page |
|---|---|---|---|
| 1891 (cont.) | "Local attractions" were only noted as such (in this surveyor's report), when there were public establishments frequented by the general public. | | |
| 1892 | Topography Map<br>To show Givens Hot Springs located in the township of Enterprise, and to inform that in some official reports, Givens Hot Springs is sometimes referred to separately, and sometimes as Enterprise. (Reference to this township can be noted in 1891 survey notes of Frederick J. Mills.) | Topography Map, US Geological Survey, Charles D. Walcott, Director, 1892; US Geological Survey Department, Boise, ID. | 28 |
| 1898 | Description of Givens Hot Springs in published book.<br>To verify the use of the springs for commercial, domestic, and irrigation use (fruit trees and parks). | "A Historical Descriptive and Commercial Directory of Owyhee County, Idaho", Press of the Owyhee Avalanche, Silver City Idaho, Jan. 1898, pp. 91 & 92. | 29 |
| 1903 | US Geological Survey--Silver City Folio<br>To verify water use of the spring, and the irrigation of 10 acres. (Note reference to "Enterprise" hot spring.) | Department of the Interior, US Geological Survey, "Silver City Folio No. 104", August 1903, pp. 5 & 6. | 32 |
| 1903 | Mortgage<br>To verify water rights for irrigation and domestic use. These rights are included in the mortgage. | Book of Mortgages, "G. F. Yanke, et. ux. to American Freehold Land Mortgage Company", Oct. 24, 1903, Owyhee County Courthouse, Murphy, ID. | 35 |
| 1903 | Newspaper Advertisement, Article, and Pictures<br>To verify the commercial and domestic use of the spring. Pictures are included to establish actuality of physical buildings being referred to in documentation. | The Idaho Avalanche, Silver City Idaho, July 17, 1903.<br>Pictures are originals of Helen (Givens) Hansen, Boise, ID. | 42 |
| 1907 | Historical Advertising Pamphlet<br>To verify use of spring for commercial, domestic, and irrigation. | "Why Be Sick", published approximately 1907; original of Patricia (Patton) Love, of CA. | 45 |
| 1911 | Official Givens Hot Springs Stationary<br>To show consistency of advertising use of springs. | Copy of original, private collection of Elizabeth L. Cuff. | 46 |

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OCT 0 7 1992

PROOF OF PRIORITY DATE, Givens Hot Springs, cont.

| DATE | PURPOSE OF PROOF | REFERENCE | Begins on Page |
|---|---|---|---|
| 1935 | US Geological Survey Department Report<br>To verify consistant reports of the US Geological Survey Department of the spring at Givens Hot Springs, and its commercial and irrigation use. | "Thermal Springs in the United States", US Department of the Interior, Geological Survey Water Supply Paper 679-B, 1937, p. 148. | 47 |
| 1948 | Irrigation Exclusion<br>To show from Resolution and Order of the Opaline Irrigation District, that Givens Hot Springs was excluded from said irrigation district because it had "...a good and sufficient water system independent of the system of the irrigation district...", and that the lands would "...not require at any time irrigation water from the district..." | "Resolution and Order", Irrigation Exclusion #617, September 13, 1948, Owyhee County Courthouse, Recorder's Office, Murphy, Idaho. | 52 |

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Jan: After completing this, I have decided to add the following three documents:

| | | | |
|---|---|---|---|
| 1894 | Lease of Givens Hot Springs "spring" water rights<br>To verify previous water rights. | "Records of Bonds and Agreements", Book 2, pp. 261 & 262, County Recorders Office, Owyhee County, Murphy Idaho. | 55 |
| 1894 | Location of Enterprise Post office<br>To verify location of post office, in reference to documents which locate a spring near the post office. | "Postmarked Idaho; A List of Idaho Post Offices", Idaho Historical Library. | 56 |
| 1903 | US Geological Survey, by Israel C. Russell<br>To confirm water being used for irrigation. | "Preliminary Report on Artesian Basins in SW Idaho & SE Oregon", US Geological Survey, 1903, Document No. 441; original located at US Geological Survey Dept., Boise, ID. | 57 |

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D O C U M E N T A T I O N

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OCT 0 7 1992

Aug. 27, 1881

2

[4—007.]

No. 1649

# HOMESTEAD APPLICATION.

Milford A Givens

Boise City Idaho

Aug 27, 1884

Sect. 21, Town 1N, Range 3W

Canceled

2-7.

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OCT 0 7 1992

Source

National Archives

1841

Cancelled - Relinq'd March 8th 1886
Ser. Reg. Letter - 1886 - 29269.
I.C.D. 470.

[4—007.]

# HOMESTEAD.

APPLICATION No. 1649

Land Office at Boise City Idaho

August 4, 1884

I, Wickford R. Stevens, of Silver City Owyhee Co Idaho Silver City P.O., do hereby apply to enter, under Section 2289, Revised Statutes of the United States, the Lots 1 & 2 & NW¼ NW¼ of Section 21, in Township 1 N. of Range 3 W., containing 153.50 acres.

Wickford R. Stevens

Land Office at Boise City Idaho

August 27, 1884

I, Edwd L. Curtis, REGISTER OF THE LAND OFFICE, do hereby certify that the above application is for Surveyed Lands of the class which the applicant is legally entitled to enter under Section 2289, Revised Statutes of the United States, and that there is no prior valid adverse right to the same.

Edwd L. Curtis

Register.

[8271—50 M.]

60
5 x 3 0
4 8
1 5 x 3

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[4—063.]

# HOMESTEAD.

[AFFIDAVIT.]

Land Office at Sioux City Iowa

Aug 4, 188 7.

I, Milford R Gibson, of Silver City Owyhee

having filed my application, No. 1649, for an entry under Section No. 2289, Revised Statutes of the United States, do solemnly swear that I am a native born citizen of the United States and the head of a family, that June 26 1874 I filed D.S. No 2797 alleging settlement Nov 9 1881; that I have lived on the land described in this application continuously since said Nov 9 1881 and have fully complied with the Pre-emption laws and do now ask to have the time pleaded in my favor under the Homestead laws that said application, No. 1649, is made for the purpose of actual settlement and cultivation; that said entry is made for my own exclusive benefit, and not directly or indirectly for the benefit or use of any other person or persons whomsoever; and that I have not heretofore had the benefit of the homestead laws.

Milford R Gibson

Sworn to and subscribed this 4 th day of Aug, before

M. Kiebs, Recr of the Land Office.

☞ See note, which Clerks of the Courts and Registers and Receivers will read and EXPLAIN THOROUGHLY to persons making application for lands where the affidavit is made before either of them. (See directions to Land Officers on Duplicate Receipt.)

Timber land entries in a homestead, or other entry not consummated, may be cleared in order to cultivate the land and improve the premises, but for no other purpose. If, after clearing the land for cultivation, more timber than is required for improvements, there is no objection to the settler disposing of the same. But the question whether the land is being cleared of the timber for legitimate purposes is a question of fact which is liable to be tried at any time. If the timber is cut and removed for any other purpose it will subject the entry to cancellation, and the person who cut it will be liable to civil suit for recovery of the value of such timber, and to criminal prosecution under Section 2461 of the Revised Statutes.

NOTE.—If this affidavit be acknowledged before the Clerk of the Court, as provided for by Sec. 2294, U. S. Revised Statutes, the Homestead party must expressly state herein that he or some member of his family is residing upon the land applied for, and that bona fide improvement and settlement have been made. He must also state why he is unable to appear at the Land Office.

ELECTRO'S. (3841—50 M.)

MICROFILMED
OCT 0 7 1992

(4—137.)

RECEIVER'S RECEIPT, No. 1649 APPLICATION, No. 1649

# HOMESTEAD.

Receiver's Office, Boise City, Idaho

August 27, 1884.

Received of Milford R Groves the sum of Sixteen dollars —— cents; being the amount of fee and compensation of Register and Receiver for the entry of Lots 1 & 2 NW¼ NW¼ of Section 21 in Township 1 N of Range 3 W, under Section No. 2290, Revised Statutes of the United States.

Malachi Eccles
Receiver.

$ 16.00

Timber land embraced in a homestead, or other entry not consummated, may be cleared in order to cultivate the land and improve the premises, but for no other purpose. But the question whether the land being cleared of its timber for legitimate purposes is a question of fact which is liable to be raised at any time. If the timber is cut and removed for any other purpose it will subject the entry to cancellation, and the person who cut it will be liable to civil suit for recovery of the value of said timber, and also to criminal prosecution under Section 2461 of the Revised Statutes.

☞ See note in red ink, which Registers and Receivers will read and EXPLAIN THOROUGHLY to persons making application for lands where the affidavit is made before either of them.

NOTE.—It is required of the homestead settler that he shall reside upon and cultivate the land embraced in his homestead entry for a period of five years from the time of filing the affidavit, being also the date of entry. An abandonment of the land for more than six months works a forfeiture of the claim. Further, within two years from the expiration of the said five years he must file proof of his actual settlement and cultivation, failing to do which, his entry will be canceled. If the settler does not wish to remain five years on his tract, he can, at any time after six months, pay for it with cash or land warrants, upon making proof of settlement and cultivation from date of filing affidavit to the time of payment.

ELECTRO'S. [10,263—75 M.]

MICROFILMED
OCT 0 7 1992

U.S. Land Office
Boise City, Idaho
March 8 - 1886

I hereby relinquish to the U.S. all my right title and interest in and to the within described land.

Milford R Givens

Subscribed and sworn to before me this 8th day of March - 1886

Harlan Pefley
Register

MICROFILMED
OCT 0 7 1992

## DESERT LAND

"The question is often asked by persons traveling over the sagebrush plains of Idaho, whether the land would produce if it were watered. This question we will answer in the affirmative, and will cite the ranch taken up last fall by M. R. Givens on Snake River, about eight miles below Duncan's Ferry, as proof of our assertion.

This was sagebrush or desert land. The locator went to work like a man; brought water from a spring upon it, and is today raising vegetables that cannot be excelled in the Territory. His watermellons, corn, potatoes and other vegetables are as good as can be raised anywhere.

In a word, all that is needed is for a man to go to work in the right way and this class of land can be made to yield almost anything in the line of agricultural produce. Thousands of acres of desert land are lying idle along the banks of the Snake river, subject to location, just as good as that entered by Mr. Givens."

[Reference: The above is a quote from an article published in the Idaho Avalanche, August 19, 1882; copied from the microfilms located at the Idaho State Historical Library, Boise, ID.]

"Mrs. J. M. Brunzell, who has been unwell for a year or more, recently took a trip to the hot sulphur springs, below Reynolds creek, on Snake river, owned by M. R. Givens, where she remained for about a month, and came home last week with her health fully restored. The medicinal qualities of these springs can no longer be doubted, and those in feeble health will do well to go there and bathe in its waters. Mr. Givens has built a bath house, and we understand can accomodate those who are desirous of visiting the springs with board and lodging."

[Reference: The above is a quote from an article published in the Idaho Avalanche, October 28, 1882; copied from the microfilms located at the Idaho State Historical Library, Boise, ID.]

MICROFILMED
OCT 0 7 1992

[4—007.]

x 3634

# HOMESTEAD.

APPLICATION No. 2270

Land Office at Boise City, Idaho
December 11th, 1888.

I, Timothy D. Shirley, of Cacheville,

[redacted], do hereby apply to enter, under Section 2289, Revised Statutes of the United States, the Lots 1 and 2 and N.½ N.E.¼ of Section 21, in Township 1 North of Range 3 West, containing 154 70/100 acres.

Timothy D. Shirley

Land Office at Boise City, Idaho
December 11th, 1888.

I, [redacted], REGISTER OF THE LAND OFFICE, do hereby certify that the above application is for Surveyed Lands of the class which the applicant is legally entitled to enter under Section 2289, Revised Statutes of the United States, and that there is no prior valid adverse right to the same.

Register.

[100—30,000.]

MICROFILMED
OCT 0 7 1992

[4—062.]

# NON-MINERAL AFFIDAVIT.

This affidavit can be sworn to only on personal knowledge, and cannot be made on information and belief.
The non-mineral affidavit accompanying an entry of public land must be made by the party making the entry, and only before the officer taking the other affidavits required of the entryman.

UNITED STATES LAND OFFICE,
Boise City Idaho T.,
[illegible] 1888.

Timothy L. Shirley, being duly sworn according to law, deposes and says that he is the identical person who is an applicant for Government title to the Lots 1 and 2 and N. W. 1/4 N. W. 1/4 of Section 21, in Township 1 North of Range 3 West, containing 154 50/100 acres

that he is well acquainted with the character of said described land, and with each and every legal subdivision thereof, having frequently passed over the same; that his personal knowledge of said land is such as to enable him to testify understandingly with regard thereto; that there is not, to his knowledge, within the limits thereof, any vein or lode of quartz or other rock in place, bearing gold, silver, cinnabar, lead, tin, or copper, or any deposit of coal; that there is not within the limits of said land, to his knowledge, any placer, cement, gravel, or other valuable mineral deposit; that no portion of said land is claimed for mining purposes under the local customs or rules of miners or otherwise; that no portion of said land is worked for mineral during any part of the year by any person or persons; that said land is essentially non-mineral land; and that his application therefor is not made for the purpose of fraudulently obtaining title to mineral land, but with the object of securing said land for agricultural purposes, and that his post-office address is Caldwell, Ada County, Idaho Territory

Timothy L. Shirley

I HEREBY CERTIFY that the foregoing affidavit was read to affiant in my presence before he signed his name thereto; that said affiant is to me personally known (~~or has been satisfactorily identified before me by~~ ), and that I verily believe him to be a credible person and the person he represents himself to be, and that this affidavit was subscribed and sworn to before me at my office in Boise City, within the Boise City land district, on this 11th day of Dec 1888

[illegible]
Register

NOTE.—The officer before whom the deposition is taken should call the attention of the witness to the following section of the Revised Statutes, and state to him that it is the purpose of the Government, if it be ascertained that he testifies falsely, to prosecute him to the full extent of the law:

REVISED STATUTES OF THE UNITED STATES. TITLE LXX.—CRIMES.—CHAP. 4.

SEC. 5392. Every person who, having taken an oath before a competent tribunal, officer, or person, in any case in which a law of the United States authorizes an oath to be administered, that he will testify, declare, depose, or certify truly, or that any written testimony, declaration, deposition, or certificate by him subscribed is true, willfully and contrary to such oath states or subscribes any material matter which he does not believe to be true, is guilty of perjury, and shall be punished by a fine of not more than two thousand dollars, and by imprisonment, at hard labor, not more than five years, and shall, moreover, thereafter be incapable of giving testimony in any court of the United States until such time as the judgment against him is reversed. (See §1750.)

(75382—60 M.) 0—392

MICROFILMED
OCT 0 7 1992

Dec. 11, 1888

[4—063.]

# HOMESTEAD.

[AFFIDAVIT.]

## Land Office at Boise City Idaho

December 11th, 1888.

I, Timothy D. Shirley, of Eaccuncee Ada Co. Idaho having filed my application, No. 2270, for an entry under Section No. 2289, Revised Statutes of the United States, do solemnly swear that I am a citizen of the United States and that I am over the age of twenty one years and that I own Iammuta my P.D.S. No. 3634 and claim credit for time prior March 8th 1886.

that said application, No. 2270, is made for the purpose of actual settlement and cultivation; that said entry is made for my own exclusive benefit, and not directly or indirectly for the benefit or use of any other person or persons whomsoever; and that I have not heretofore had the benefit of the homestead laws.

Timothy D. Shirley

Sworn to and subscribed this 11th day of Dec 88, before

Harlan P. Kelley of the Land Office.

same date Milford relinquished his rights

☞ See note, which Clerks of the Courts and Registers and Receivers will read and EXPLAIN THOROUGHLY to persons making application for lands where the affidavit is made before either of them. (See directions to Land Officers on Duplicate receipt.)

NOTE.—If this affidavit be acknowledged before the Clerk of the Court, as provided for by Sec. 2294, U. S. Revised Statutes, the Homestead party must expressly state herein that he or some member of his family is residing upon the land applied for, and that *bona fide* improvement and settlement have been made. He must also state why he is unable to appear at the Land Office.

ELECTROTYPE. [12814—100 M.]

MICROFILMED
OCT 0 7 1992

(4—137.)

RECEIVER'S RECEIPT, No. 2270 APPLICATION, No. 2270

# HOMESTEAD.

Receiver's Office, Boise city Idaho

Dec 11th, 1888.

Received of Timothy D. Shirley the sum of Fifteen dollars Seventy Nine cents; being the amount of fee and compensation of Register and Receiver for the entry of Lots 1-2 + NW¼ NW¼

of Section 21 in Township 1 North of Range 2 west, under Section No. 2290, Revised Statutes of the United States.

H C Brandstetter
Receiver.

$ 15.79

☞ See note in red ink, which Registers and Receivers will read and EXPLAIN THOROUGHLY to persons making application for lands where the affidavit is made before either of them.

NOTE.—It is required of the homestead settler that he shall reside upon and cultivate the land embraced in his homestead entry for a period of five years from the time of filing the affidavit, being also the date of entry. An abandonment of the land for more than six months works a forfeiture of the claim. Further, within two years from the expiration of the said five years he must file proof of his actual settlement and cultivation, failing to do which, his entry will be canceled. If the settler does not wish to remain five years on his tract, he can, at any time after six months, pay for it with cash or land warrants, upon making proof of settlement and cultivation from date of filing affidavit to the time of payment.

(1882—50 M.) 6—912

MICROFILMED
OCT 0 7 1992

[4—138.]

Receiver's Duplicate Receipt No. 2270 Application No. 2270

# HOMESTEAD.

Receiver's Office, Boise City Idaho

Dec 11th, 1888.

[redacted]

of Fifteen dollars Seventy Nine cents;

being the amount of fee and compensation of Register and Receiver for the entry of Lots 1-2 & NW¼ NW¼ of Section 2 in Township 1 North of Range 3 west, under Section 2290, Revised Statutes of the United States.

H C Brandstetter
Receiver.

$15.79

[redacted]

NOTE.—It is required of the homestead settler that he shall reside upon and cultivate the land embraced in his homestead entry for a period of five years from the time of filing the affidavit, being also the date of entry. An abandonment of the land for more than six months works a forfeiture of the claim. Further, within two years from the expiration of the said five years he must file proof of his actual settlement and cultivation, failing to do which, his entry will be canceled. If the settler does not wish to remain five years on his tract he can, at any time after six months, pay for it with cash or land-warrants, upon making proof of settlement and cultivation from date of filing affidavit to the time of payment.

6—247

(11509—25 M.)

MICROFILMED
OCT 0 7 1992

(4—140.)

Final Receiver's Receipt No. 886 Application No. 2270

# HOMESTEAD.

Receiver's Office, Boise City Idaho

Dec 4 1896

Received of Timothy Q Shanley the sum

of Two Five dollars Eighty cents,

being the balance of payment required by law for the entry of

Lots One and Two and the North West quarter of the North West quarter

of Section Twenty one in Township One North of Range Three west

containing 154.50 Too acres, under Section 2291 of the

Revised Statutes of the United States.

Jno. Pinney

Receiver.

$ 2.00 Testimony fee received. Number of written words, 890

Rate per 100 words 2 1/2 cents.

1093 b—35 m

MICROFILMED
OCT 0 7 1992

(4–196.)

# HOMESTEAD.

**Land Office at** BOISE CITY, IDAHO

DEC 4 , 18

CERTIFICATE No. 886 APPLICATION No. 2270

*It is hereby certified* That, pursuant to the provisions of Section No. 2291, Revised Statutes of the United States, Timothy L. Shirley has made payment in full for the Lots numbered One and Two, and the Northwest Quarter of the Northwest quarter

of Section No. Twenty one, in Township No. One North, of Range No. Three West, of the Boise Principal Meridian Idaho, containing 154.50 100 acres.

*Now, therefore, be it known,* That on presentation of this Certificate to the COMMISSIONER OF THE GENERAL LAND OFFICE, the said Timothy L. Shirley shall be entitled to a Patent for the Tract of Land above described.

Patent to contain reservation according to proviso to the act of Aug. 30, 1890.

Chas. Kingsley
Register.

6—345

19303 b—23 m

MICROFILMED
OCT 0 7 1992

NOTE.—The officer before whom the testimony is taken should call the attention of the witness to the following section of the Revised Statutes, and state to him that it is the purpose of the Government, if it be ascertained that he testifies falsely, to prosecute him to the full extent of the law.

**Title LXX.—CRIMES.—Ch. 4.**

SEC. 5392. Every person who, having taken an oath before a competent tribunal, officer, or person, in any case in which a law of the United States authorizes an oath to be administered, that he will testify, declare, depose, or certify truly, or that any written testimony, declaration, deposition, or certificate by him subscribed is true, willfully and contrary to such oath states or subscribes any material matter which he does not believe to be true, is guilty of perjury, and shall be punished by a fine of not more than two thousand dollars, and by imprisonment, at hard labor, not more than five years, and shall, moreover, thereafter be incapable of giving testimony in any court of the United States until such time as the judgment against him is reversed. (See §1750.)

(4–369.)

HOMESTEAD PROOF.

LAND OFFICE AT BOISE CITY, IDAHO

Pre. D. S. 3634

Original Application No. 2270

Final Certificate No. 886

Approved: Las Kingsley, Register. Lee Bernard, Receiver.

# FINAL AFFIDAVIT REQUIRED OF HOMESTEAD CLAIMANTS.

SECTION _____ OF THE REVISED STATUTES OF THE UNITED STATES.

I, Timothy D Shirley, having made a Homestead entry of the Lots one and two and the NW¼ NE¼ Section No. Twenty one in Township No. One North of Range No. Three West, subject to entry at Boise City Idaho under section No. 2289 of the Revised Statutes of the United States, do now apply to perfect my claim thereto by virtue of section No. _____ of the Revised Statutes of the United States; and for that purpose do solemnly Swear that I am over twenty one years of age and a Native born citizen of the United States; that I have made actual settlement upon and have cultivated and resided upon said land since the 15th day of April, 1886 to the present time; that no part of said land has been alienated, except as provided in section 2288 of the Revised Statutes, but that I am the sole *bona fide* owner as an actual settler; that I will bear true allegiance to the Government of the United States; and, further, that I have not heretofore perfected or abandoned an entry made under the homestead laws of the United States, ~~except~~ _____

Timothy D Shirley

I, Register, of U.S. Land Office Boise City Idaho do hereby certify that the above affidavit was subscribed and sworn to before me this 4 day of December, 1897.

Las Kingsley

Register.

MICROFILMED
OCT 07 1992

(4—360.)

# HOMESTEAD PROOF—TESTIMONY OF WITNESS.

Alfred Cox, being called as witness in support of the Homestead entry of Timothy Q. Shirley for Lots 1 & 2 & N½NW¼ Sec. 21 T. 1 N. R. 2 W., testifies as follows:

Ques. 1.—What is your name, age, and post office address?
Ans. Alfred Cox age 51 Waltens, Ada Co. Idaho

Ques. 2.—Are you well acquainted with the claimant in this case and the land embraced in his claim?
Ans. Yes Sir

Ques. 3.—Is said tract within the limits of an incorporated town or selected site of a city or town, or used in any way for trade or business?
Ans. No Sir

Ques. 4.—State specifically the character of this land—whether it is timber, prairie, grazing, farming, coal, or mineral land.
Ans. Grazing land - Sagebrush

Ques. 5.—When did claimant settle upon the homestead and at what date did he establish actual residence thereon?
Ans. In the Spring of 1886

Ques. 6.—Have claimant and family resided continuously on the homestead since first establishing residence thereon? (If settler is unmarried, state the fact.)
Ans. Yes Sir - (He is unmarried)

Ques. 7.—For what period or periods has the settler been absent from the land since making settlement, and for what purpose; and if temporarily absent, did claimant's family reside upon and cultivate the land during such absence?
Ans. He has been away a short time at each time - not to exceed two months at any one time while he was working for wages to enable him to improve his place

Ques. 8.—How much of the homestead has the settler cultivated and for how many seasons did he raise crops thereon?
Ans. I should judge there was about 12 acres - has raised crops on it four seasons

Ques. 9.—What improvements are on the land and what is their value?
Ans. He has a house - Orchard and forest trees and a portion of it fenced, also dug a ditch nearly 4 miles to get water on the land for irrigating - Value $1000

Ques. 10.—Are there any indications of coal, salines, or minerals of any kind on the homestead? (If so, describe what they are, and state whether the land is more valuable for agricultural than for mineral purposes.)
Ans. Not to my Knowledge

Ques. 11.—Has the claimant mortgaged, sold, or contracted to sell, any portion of said homestead?
Ans. No Sir

Ques. 12.—Are you interested in this claim; and do you think the settler has acted in entire good faith in perfecting this entry?
Ans. No Sir - I do

Alfred Cox

I HEREBY CERTIFY that the foregoing testimony was read to the witness before being subscribed and was sworn to before me this 4 day of December, 1891.

[SEE NOTE ON FOURTH PAGE.]

Chas. Kingsley Register

(The testimony of witnesses must be taken at the same time and place and before the same officer as claimant's final affidavit. The answers must be full and complete to each and every question asked, and officers taking testimony will be expected to make no mistakes in dates, description of land, or otherwise.)

2681—50,000.] 9—577

MICROFILMED
OCT 07 1992

(4-369.)

# HOMESTEAD PROOF—TESTIMONY OF WITNESS.

Fred Bachman, being called as witness in support of the Homestead entry of Timothy Q Shirley for Lots 1 & 2 & NW¼NW¼ Sec. 21, T. 1 N R 3 W, testifies as follows:

Ques. 1.—What is your name, age, and post office address?

Ans. Fred Bachman - age 29 - De Lamar Owyhee Co. Idaho

Ques. 2.—Are you well acquainted with the claimant in this case and the land embraced in his claim?

Ans. Yes Sir

Ques. 3.—Is said tract within the limits of an incorporated town or selected site of a city or town, or used in any way for trade or business?

Ans. No

Ques. 4.—State specifically the character of this land—whether it is timber, prairie, grazing, farming, coal, or mineral land.

Ans. Grazing or Farming land

Ques. 5.—When did claimant settle upon the homestead and at what date did he establish actual residence thereon?

Ans. The first time I saw him living in his house on the place was in the Spring of 1886

Ques. 6.—Have claimant and family resided continuously on the homestead since first establishing residence thereon? (If settler is unmarried, state the fact.)

Ans. Yes Sir - He is unmarried

~~Ques. 7.—For what period or periods has the settler been absent from~~ the land since making settlement, and for what purpose; and if temporarily absent, did claimant's family reside upon and cultivate the land during such absence?

Ans. He has never been away from it long at a time. Not over a month at any one time - He was away at work to get money to ~~Continue the improvements~~ on his place

Ques. 8.—How much of the homestead has the settler cultivated and for how many seasons did he raise crops thereon?

Ans. About 12 or 15 Acres - Has raised Some Crop every year Since making Settlement - None in the last 2 Years

Ques. 9.—What improvements are on the land and what is their value?

Ans. Has a house & other out buildings and a bearing orchard and he has a long ditch that was required a good deal of expense to build for irrigation - Also a fence around 8 acres fenced - Value at least $15.00

Ques. 10.—Are there any indications of coal, salines, or minerals of any kind on the homestead? (If so, describe what they are, and state whether the land is more valuable for agricultural than for mineral purposes.)

Ans. Not that I know of

Ques. 11.—Has the claimant mortgaged, sold, or contracted to sell, any portion of said homestead?

Ans. No Sir

Ques. 12.—Are you interested in this claim; and do you think the settler has acted in entire good faith in perfecting this entry?

Ans. No Sir - Yes Sir

Fred Bachman

I HEREBY CERTIFY that the foregoing testimony was read to the witness before being subscribed and was sworn to before me this 14 day of December, 189 1.

[SEE NOTE ON FOURTH PAGE.]

Register

(The testimony of witnesses must be taken at the same time and place and before the same officer as claimant's final affidavit. The answers must be full and complete to each and every question asked, and officers taking testimony will be expected to make no mistakes in dates, description of land, or otherwise.)

4-377

MICROFILMED
OCT 07 1992

(4—369.)

# HOMESTEAD PROOF—TESTIMONY OF CLAIMANT.

Timothy O Shirley, being called as a witness in his own behalf in support of homestead entry, No. 2270, for Lots 1 & 2 & NW¼NW¼ Sec 21 Tp 1 N R 3 W testifies as follows:

Ques. 1.—What is your name, age, and post office address?
Ans. Timothy O Shirley age 28 - Walters Ada Co Idah

Ques. 2.—Are you a *native born* citizen of the United States, and if so, in what State or Territory were you born?*
Ans. Yes Sir - Missouri

Ques. 3.—Are you the identical person who made homestead entry No. 2270, at the Boise City land office on the 11th day of December, 1888, and what is the true description of the land now claimed by you?
Ans. I am - Lots 1 & 2 & NW¼NW¼ Sec. 21 Tp 1 N R 3 W

Ques. 4.—When was your house built on the land and when did you establish actual residence therein? (Describe said house and other improvements which you have placed on the land, giving total value thereof.)
Ans. In the Spring of 1886 and Established my residence at the Same time - Have 12X12 one door 1 window Material Lumber - Shingles I have 25 or 30 acres fenced with barb wire fence - about 4 feet high - I have a ditch 4 feet wide 2 feet deep to water my crop - I have a cistern 7 feet deep to water my crop - Value about $300 -

Ques. 5.—Of whom does your family consist, and have you and your family resided continuously on the land since first establishing residence thereon? (If unmarried, state the fact.)
Ans. Myself - I am unmarried. I have

Ques. 6.—For what period or periods have you been absent from the homestead since making settlement, and for what purpose; and if temporarily absent, did your family reside upon and cultivate the land during such absence?
Ans. I have been away at work for wages at different times the longest period was 6 weeks at one time for the purpose of earning money to enable me to improve my place.

Ques. 7.—How much of the land have you cultivated each season and for how many seasons have you raised crops thereon?
Ans. I have about 12 acres in cultivation - Have raised 3 crops [illegible] Since 1886

Ques. 8.—Is your present claim within the limits of an incorporated town or selected site of a city or town, or used in any way for trade and business.
Ans. No Sir

Ques. 9.—What is the character of the land? Is it timber, mountainous, prairie, grazing, or ordinary agricultural land? State its kind and quality, and for what purpose it is most valuable.
Ans. Grazing and Agricultural land - Sage brush - Agricultural purp

Ques. 10.—Are there any indications of coal, salines, or minerals of any kind on the land? (If so, describe what they are, and state whether the land is more valuable for agricultural than for mineral purposes.)
Ans. Not that I Know of

Ques. 11.—Have you ever made any other homestead entry? (If so, describe the same.)
Ans. No Sir

Ques. 12.—Have you sold, conveyed, or mortgaged any portion of the land; and if so, to whom and for what purpose?
Ans. No Sir

Ques. 13.—Have you any personal property of any kind elsewhere than on this claim? (If so, describe the same, and state where the same is kept.)
Ans. No Sir

Timothy O Shirley

I HEREBY CERTIFY that the foregoing testimony was read to the claimant before being subscribed, and was sworn to before me this 11th day of December, 1891.

Chas Kingsley Register

[SEE NOTE ON FOURTH PAGE.]

*(In case the party is of foreign birth a certified transcript from the court records of his declaration of intention to become a citizen, or of his naturalization, or a copy thereof, certified by the officer taking this proof, must be filed with the case. Evidence of naturalization is only required in final (*five year*) homestead cases.)

MICROFILMED
OCT 07 1992

NOTICE FOR PUBLICATION.

Land Office at Boise City, Idaho, Oct. 20, 1891.

Notice is hereby given that the following-named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the register and receiver at Boise City Idaho, on December 4, 1891, viz: Timothy Q. Shirley, of Walters, Idaho, who filed Hd. application No. 2270 for the lots 1 and 2, SE¼ NW qr, Sec. 31, Tp. 1 N R 3 W. He names the following witnesses to prove continuous residence upon and cultivation of said land, viz: Anders Anderson, of Reynolds, Owyhee Co. Idaho; Fred Bachman, Alfred Cole, Warren Craig, of Walters, Ada Co. Idaho.

CHAS. S. KINGSLEY, Register.

State
~~Territory~~ of Idaho } SS.
County of Ada

A. STEUNENBERG being duly sworn, deposes and says that he is publisher of the CALDWELL TRIBUNE, a weekly newspaper published at Caldwell, Idaho ~~Territory~~, that the said paper is in general circulation in the county aforesaid; the advertisement a copy of which is attached hereto was published in the regular edition of the CALDWELL TRIBUNE ____ consecutive weeks, beginning with the issue of October 31 189 1 and ending with the issue of Dec 5 189 1

A. Steunenberg

Subscribed and Sworn to before me this 1st day of December 1891

Lewis Beaty Notary Public.

I Chas. S. Kingsley Register, do hereby certify that a notice, a printed copy of which is hereto attached, was by me posted in a conspicuous place in my office for a period of thirty days, I having first posted said notice on the 20 day of Oct 1891

Chas. S. Kingsley Register.

MICROFILMED
OCT 07 1992

(1—047.)

F. C., ~~C. H., Pre.~~ No. 886

District, Boise

No. of acres, 154.50

Errors in description,

Date of Settlement,

" " Entry (in Hds.), Dec. 11. 88

" " Residence, April 15. 86

" " Proof, Dec. 4. 91

" Advertised, "

" of Certificate, "

Officer taking proof, Register

" advertised, "

No. of weeks advertised, 6

Proof by Clmt., ~~Widow, Heir, Admr., G'n,~~

Improvements,

Value of $1500.

Acres broken, 12

" in crop, ; No. of seasons, 5

Kind of crops,

Residence claimed, 5 Yrs., Mos., Days.

Military or Naval service claimed,

" " " " verified,

No. of absences, Temporary

Total duration,

Cause,

Native-born—~~Naturalized~~,

Claimant's family,

Supplemental proof,

Papers missing,

REMARKS,

Examined day of , 18

*Examiner.*

NOTE.—Clerks using these cards will be held responsible for all errors and omissions.

GEO. BEDWAY, *Chief Clerk.*

(2001—22 M.) 6—252

MICROFILMED
OCT 0 7 1992

ITP 11-29-1892

# The United States of America,

To all to whom these Presents shall come, Greeting:

Homestead Certificate No. 886
Application 2270

Whereas, There has been deposited in the General Land Office of the United States a Certificate of the Register of the Land Office at Boise City, Idaho

whereby it appears that, pursuant to the Act of Congress approved 20th May, 1862, "To secure Homesteads to actual Settlers on the Public Domain," and the acts supplemental thereto, the claim of Timothy D. Shirley has been established and duly consummated, in conformity to law, for the Lots numbered one and two and the North West quarter of the North West quarter of Section twenty one, in Township one North of Range three West of Boise Meridian, in Idaho containing One Hundred and fifty four acres and fifty hundredths of an acre

according to the Official Plat of the Survey of said Land returned to the General Land Office by the Surveyor General.

Now Know ye, That there is, therefore, granted by the United States unto the said Timothy D. Shirley the tract of Land above described: To have and to hold the said tract of Land with the appurtenances thereof, unto the said Timothy D. Shirley and to his heirs and assigns forever; subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws, and decisions of courts, and also subject to the right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises hereby granted, as provided by law, and there is reserved from the lands hereby granted a right of way thereon for ditches or canals constructed by the authority of the United States.

In testimony whereof, I, Benjamin Harrison, PRESIDENT OF THE UNITED STATES OF AMERICA, have caused these letters to be made Patent, and the Seal of the General Land Office to be hereunto affixed.

Given under my hand, at the City of Washington, the twenty seventh day of April in the year of our Lord one thousand eight hundred and ninety two and of the Independence of the United States the one hundred and sixteenth.

L.S.

By the President: Benjamin Harrison

By: J. M. Kean, Secretary.

D. P. Roberts, Recorder of the General Land Office.

Timothy Q. Shirley
Section 21
Township 1 N of Range 3 W of Boise meridian
154½ Acres

Lots one & two and the NW¼ of the NW¼.

1776
116
1892

April 29, 1892
President Benjamin Harrison

Copied at Federal Bldg.
BLM - 3rd Floor
Boise, ID
1-20-1981

Filed Dec. 19, A.D., 1892 at 9 o'clock A.M.
at the request of H. E.
R. H. Leonard, Jr.
Recorder of Bonneville County,

MICROFILMED
OCT 07 1992

BOISE - G.W.

DEPARTMENT OF THE INTERIOR

# BULLETIN

OF THE

# UNITED STATES

# GEOLOGICAL SURVEY

## No. 32

MINERAL SPRINGS OF THE UNITED STATES

WASHINGTON
GOVERNMENT PRINTING OFFICE
1886

MICROFILMED
OCT 07 1992
Source
US Geological Survey Dept.
Boise, ID

1886

UNITED STATES GEOLOGICAL SURVEY

J. W. POWELL, DIRECTOR

---

# LISTS AND ANALYSES

OF THE

# MINERAL SPRINGS

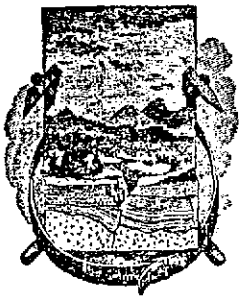
OF THE

# UNITED STATES

[A PRELIMINARY STUDY]

BY

ALBERT C. PEALE, M. D.



WASHINGTON
GOVERNMENT PRINTING OFFICE
1886

MICROFILMED
OCT 0 7 1992

## IDAHO.

The chemical composition of the mineral springs of Idaho is so little known that they cannot be definitely classified beyond stating that thermal springs predominate. That warm and hot springs abound might naturally be expected, when the geological structure of the Territory is recalled. Granitic and volcanic rocks prevail, and, in connection with the mountain corrugation, present most favorable conditions for the development of hot and warm springs. Mr. G. F. Becker, in the Statistics and Technology of the Precious Metals (p. 53), 1885, speaking of Idaho, says that hot springs are thickly distributed through the granitic areas, and in many cases issue directly through the granite, although usually within a mile or two of the known volcanic rocks, and that many of them are highly charged with alkalies and hydrogen sulphide. The list presented here has been made up largely from various maps. Mr. Albert Williams has also kindly given considerable information. Although few of the springs have been improved, a great many are used extensively for bathing, especially in the mining regions. The most widely known resort is at Soda Springs, near the bend of Bear River. None of the waters is at present used commercially.

*Mineral springs of Idaho.*

| Name and location. | Number of springs. | Flow in gallons per hour. | Temperature, Fahr. | Character of the water. | Remarks. |
|---|---|---|---|---|---|
| | | | ° | | |
| Bruneau Hot Spring, Bruneau Valley, Owyhee County. | 1 | 70,000 | 105 | ..... | Used for bathing resort. |
| Chalybeate Spring, near Spring Creek, of Henry's Fork, Oneida County. | 1 | ..... | Cold. | ..... | |
| Given's Hot Springs, Snake River, near Reynolds, Owyhee County. | 2 | 2,000 | 98 | ..... | Unimproved, but used to small extent locally for bathing. |
| Hot Creek, Idaho County, 20 miles northwest of Bonanza. | .... | ..... | ..... | ..... | |
| Hot Creek, south of Snake River, 4 or 5 miles below American Falls, Oneida County. | .... | ..... | ..... | ..... | |
| Hot lakes, 20 miles south of Washington, Idaho County. | .... | ..... | ..... | ..... | |
| *Hot springs:* | | | | | |
| Five miles east of Boisé City, Ada County. | 16 | 15,400 | 90 to 212 | Chalybeate, alkaline, sulphureted, &c. | Improved and used as a resort. |
| North of Fishing Falls, Alturas County, about 60 miles southeast of Boisé City, 25 miles north of Snake River. | .... | ..... | 164 | Chalybeate ..... | Unimproved. |
| Fifteen miles west of Ketchum, Alturas County. | .... | ..... | ..... | ..... | |
| Near Duck River, about 15 miles south of Hailey, Alturas County. | .... | ..... | ..... | ..... | |
| Three miles southwest of Idaho City, Boisé County. | 6 | 5,000 | 115 | Sulphureted .... | Used locally. |
| On Salmon River, 15 miles south of Bonanza, Custer County. | .... | ..... | ..... | ..... | |
| East side of Bear River, at south end of Gentile Valley, Oneida Co. | .... | ..... | 125 | ..... | Unimproved. |
| On South Fork of Snake River, 8 miles below Salt River, Oneida County. | 6 | ..... | 88 to 144 | Saline and sulphureted. | Do. |



MICROFILMED
OCT 0 7 1992

May 23, 1891

Subdividing for Enterprise

377

# Subdivisions T. 1 N. R. 3 W.

Survey Commenced May 23, 1891, with an Engineers transit made by W. & L. E. Gurley, having 5½ in. needle, Vernier reading to single minutes and a variation arc. In Subdividing this township, I commence by running West on a blank line from the S. E. Cor. of Township, recently established by me, and at 40. chs. I find the ¼ Sec. Cor, which is a lava rock firmly set in ground 6x6x6 ins. above ground marked ¼ on N. face & having a mound of rock 2 ft. high & 2 ft. base alongside E. and at 80.00 chs. I find the Sec. Cor. to Secs. 1, 2, 35 36 which is a lava rock, lying on ground, marked with 1 notch on East Edge. Thus I find that the Course of the above line is West and the Chaining agrees with mine. —

MICROFILMED

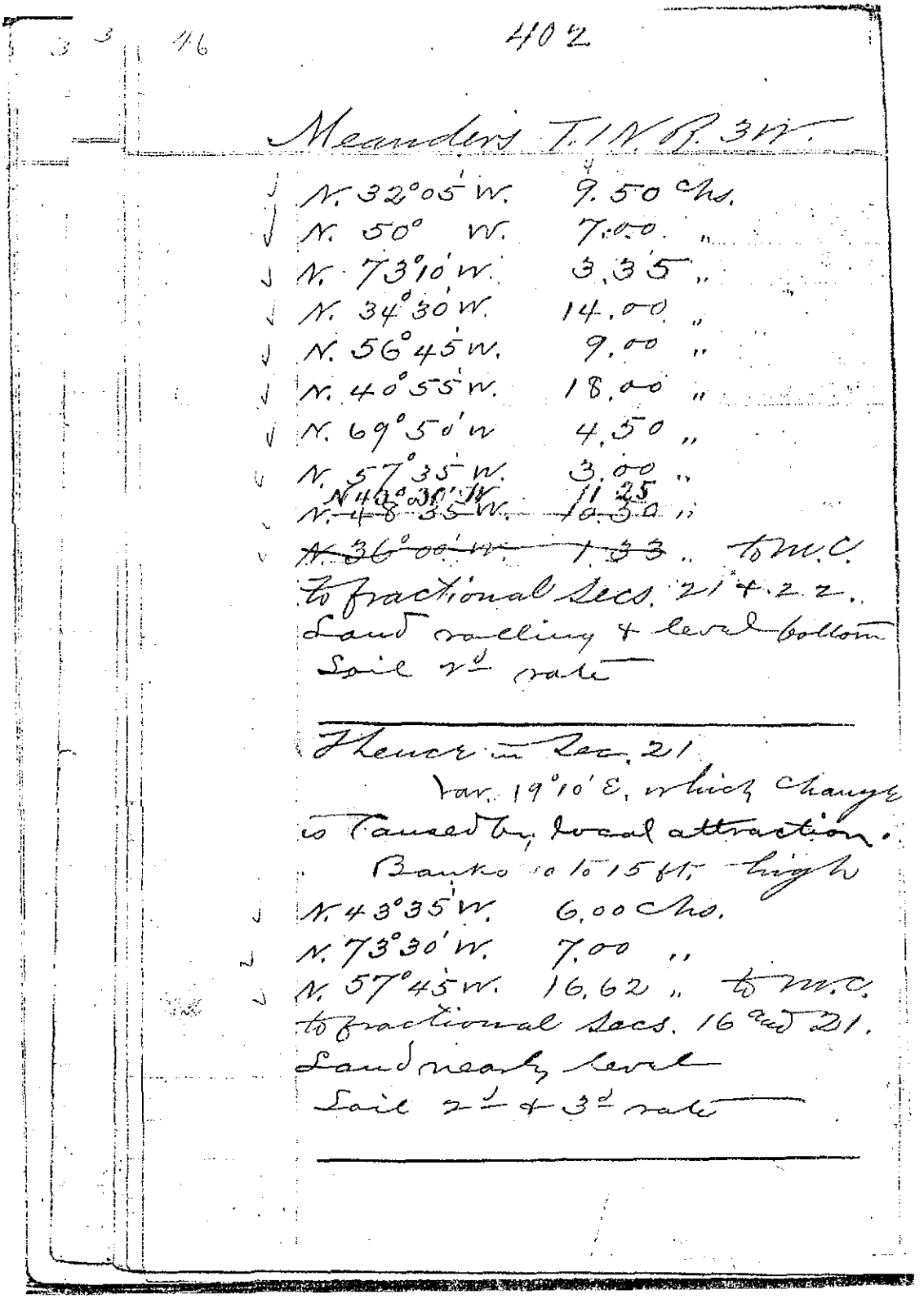
OCT 07 1992

Source

Bureau of Land Management,
Boise, ID.

1091 -- Givens-Shirley

Survey Notes - Page 402



3 3 16 402

Meanders T. 1 N. R. 3 W.

| | |
|---|---|
| N. 32°05' W. | 9.50 chs. |
| N. 50° W. | 7.00 " |
| N. 73°10' W. | 3.35 " |
| N. 34°30' W. | 14.00 " |
| N. 56°45' W. | 9.00 " |
| N. 40°55' W. | 18.00 " |
| N. 69°50' W | 4.50 " |
| N. 57°35' W. | 3.00 " |
| ~~N. 43°30' W.~~ | 11.35 " |
| ~~N. 43°35' W.~~ | 10.50 " |
| ~~N. 36°00' W.~~ | ~~1.33~~ " to M.C. |

to fractional Secs. 21 & 22.
Land rolling & level bottom
Soil 2d rate

---

Fleuer in Sec. 21
Var. 19°10' E. which Change is Caused by local attraction.
Banks 10 to 15 ft. high

| | |
|---|---|
| N. 43°35' W. | 6.00 chs. |
| N. 73°30' W. | 7.00 " |
| N. 57°45' W. | 16.62 " to M.C. |

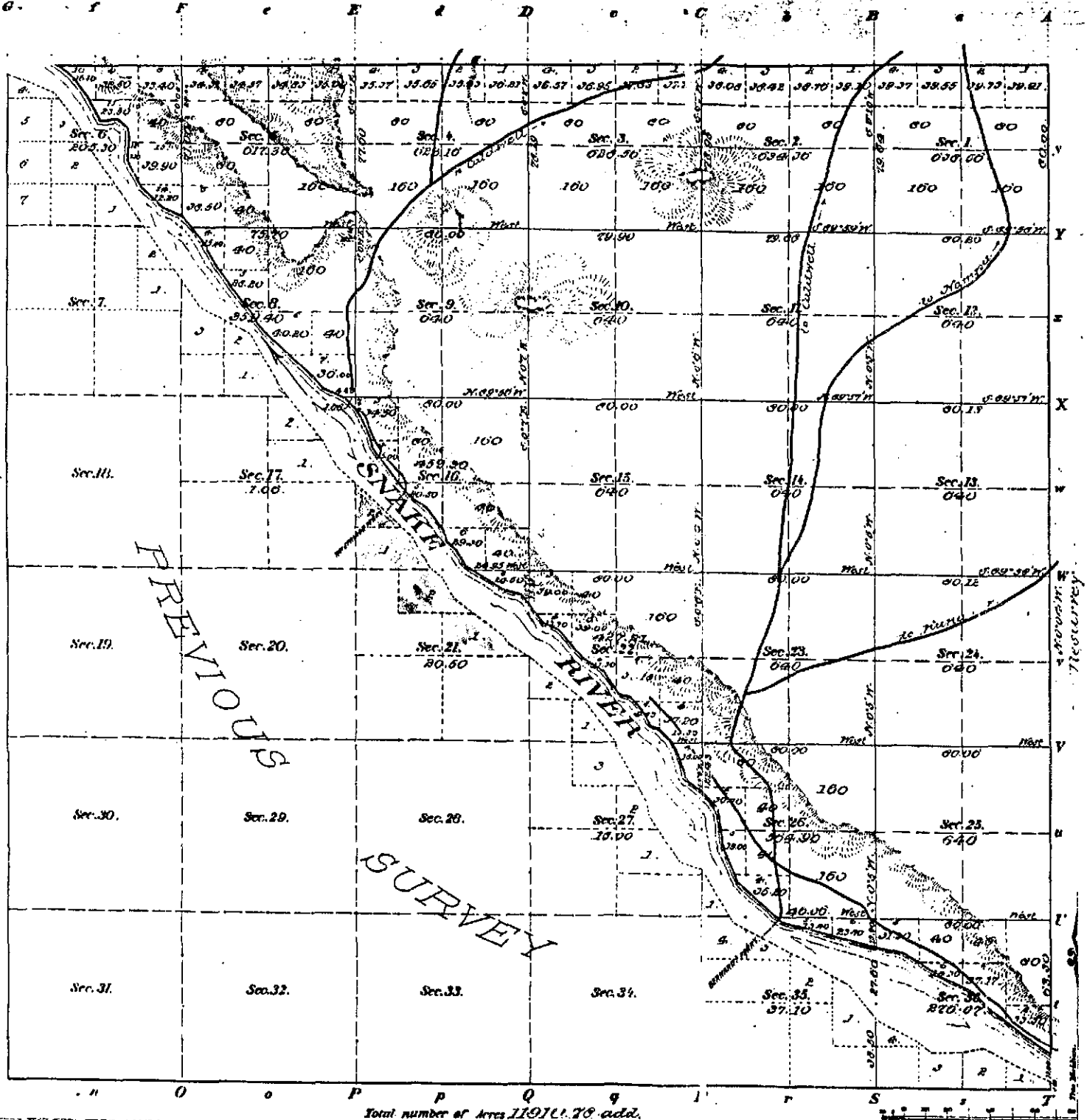
to fractional Secs. 16 and 21.
Land nearly level
Soil 2d & 3d rate

---

Cont.

MICROFILMED
OCT 07 1992

# Township No. 1 North Range No. 3 West of the Boise Meridian




Total number of Acres 11910.78 add.

| Designated | By Whom Surveyed | Date of Contract | Amount of Surveys M. Ch. Li. | When Surveyed | Mean Declination |
|---|---|---|---|---|---|
| hip lines | Frederick J. Hiltz | February 17-1891. | 0' 00 00 | May 21-22-1891. | 19° E. |
| rrected y | " | " | 32. 32 07 | May 25-27-1891. | " |
| visions | " | " | 0 42 20. | | |
| ters | | | | | |

The above Map of Township 1.0 1 North of Range 3 West Boise Meridian Idaho is strictly conformable to the survey thereof on file in this Office, which have been examined and approved.

Surveyor Generals Office.
Boise City, Idaho, March 25th 1892.

MICROFILMED
OCT 0 7 1992

Ref: Bureau of Land Management, Boise, Idaho

# A HISTORICAL, DESCRIPTIVE

AND

# COMMERCIAL DIRECTORY

OF

# Owyhee County, Idaho.

---

***JANUARY, 1898.***

---

SILVER CITY, IDAHO:
PRESS OF THE OWYHEE AVALANCHE.

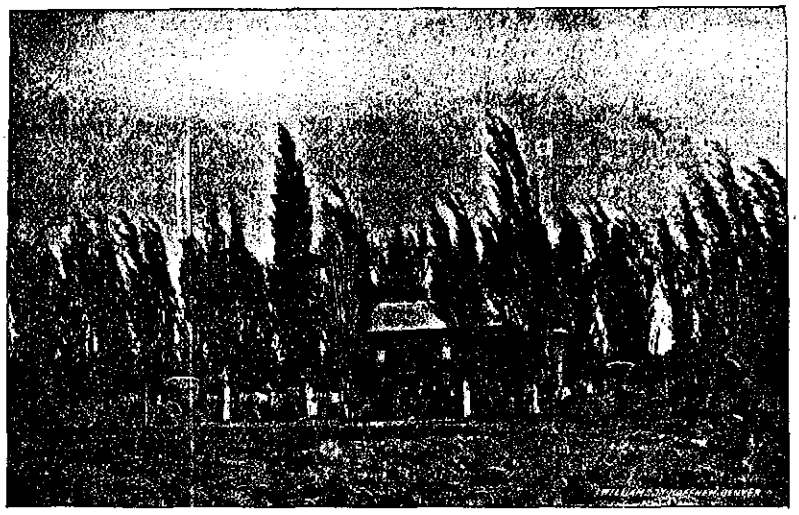
MDCCCXCVIII.

MICROFILMED
OCT 0 7 1992

Source

Original book in possession of Elizabeth L. Cuff.

from Nampa, and is the most direct route to any of the above-mentioned points. All of the roads leading direct to the ferry have been constructed, steadily improved and kept in condition by Mr. Bernard at his own private expense.



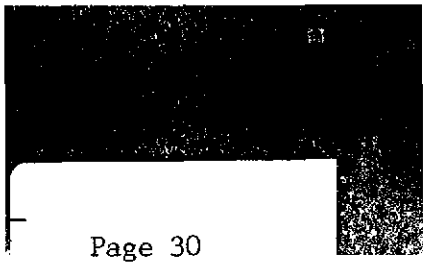
*Givens' Hot Spring Resort, Enterprise.*

The above is a view of the "Snake River Hot Springs," which are beautifully located on a bend of the Snake river, closely adjoining the Warm Springs ferry, located thirty-five miles from Silver City and fifteen miles from Caldwell, easily accessible from all parts of the county.

The property embraces 154 acres, beautifully shaded by poplars and fruit trees of various kinds, and the springs consist of one large thermal swimming pool 16x40 feet, strongly impregnated with iron, magnesia, sulphur and other health-giving properties. This pool is covered by a fine, substantial building of 24x52 feet, with private rooms and conveniences for the accommodation of the patrons.

The smaller spring is located about 800 yards from the hotel, and contains the same ingredients as the larger pool.

The hotel is admirably kept by Mrs. M. R. Givens, and the table abundantly furnished with all the delicacies of the season. The springs has a large patronage, and is a great resort during the summer season for private picnic parties, and the waters have been highly recommended by the leading physicians of the state, and have proved of great benefit to all those afflicted by rheumatic, cutaneous and nervous disorders.



## ENTERPRISE DIRECTORY.

Arvidson, John, rancher; also Arvidson & Peterson, De Lamar, Idaho.
Bauchman, Fred, rancher.
Bernard, C. B., with J. C. Bernard.
**BERNARD, J. C.,**
Central ferry, rancher and stock raiser.
Brooks, John W., rancher.
Bruce, John, sheep.
Buchmiller, George, Noble ranch.
Cox, Alf, ranch hand.
Cox, Professor H., rancher.
Gardner, Charles, rancher.
Gardner, Rube, rancher.
Garrison, C. B., opal mine.
Gifford, R. J., with J. C. Bernard.
Givens, M. R., rancher.
Givens, Mrs. M. R., proprietor Snake River Hot Springs.
Gustavson, John, rancher.
Haney, O. H., with D. L. Williams.
Holberg, Alvin, rancher.
Holberg, Fred, rancher.
Holberg, Nels P., rancher.
Jones, J. J., miner.
Keith, James, sheep.
Keith, John, sheep.
Keith, Joseph, sheep.
Nelson, Carl, cattle dealer.
Nelson, Rudolf, rancher.
Nemonic, John, miner.
Newell, George, sanitarium.
Pratt, Henry M., with J. C. Bernard.
Price, Marsh, Sommer camp ranch.
Pryor, James, with J. C. Bernard.
Richards, John P., rancher.
**SCHUSTER, FRANK,**
Rancher.
Shafer, A. A., with D. L. Williams.
Shirley, Harrison F., rancher.
Shirley, Othello T., rancher.
Shirley, Tim, rancher.
Smith, John, ranch hand.
Smith, Perry B., rancher.
**SNAKE RIVER HOT SPRINGS,**
Mrs. M. R. Givens, proprietor.
Stewart, Wilson, miner.
Wagner, John, rancher.
Webb, Harry W., ranch hand.
Williams, David L., postmaster and Warm Springs ferry.

## ROCKVILLE DIRECTORY.

Blackstock, Adam, wool grower.
Blackstock, Herbert, wool grower.
Blackstock, Joseph, wool grower.
Brewster, J. C., rancher.
Bruce, John, wool grower.
Christensen, William, station keeper.
Drennan, John, wool grower.
Geise, Albert, sheep herder.
Gillenwater, J. F., wool grower.
Graff, Cal., wool grower.
Graff, William, wool grower.
Hammond, William, sheep herder.
Keith, James, wool grower.
Keith, John, wool grower.
Marsh, A. J., sheep herder.
Monahan, Joseph, cattleman.
Moss, Robert, hostler.
Philpot, Marion, buckaroo.
Sands, Mrs. A. J., ranch.
Sinclair, George, sheep herder.
**UPHAM, W. H.,**
Postmaster and hotel.
Wilson, William, sheep herder.

MICROFILMED
OCT 0 7 1992

DEPARTMENT OF T INTERIOR

UNITED STATES GEC GICAL SURVEY

CHARLES D. WALCC DIRECTOR

# LOGI ATLA

## OF T

# NITED TATES

# ILVER CI FOLIO

## IDAH

MICROFILMED
OCT 0 7 1992

1903

INDEX MAP




The original Silver City Folio is located at the ID. GEO. SUR. DEPT in Boise.

Source

US Geological Survey Dept.
Boise, ID.

Blue Gulch, and Jacobs Gulch. The gravels of Jordan Gulch below the Sullivan tunnel are in places 30 feet thick and are said to have yielded $200,000. The placers of Blue Creek, also on Florida Mountain, were rich, yielding many large nuggets of gold containing a considerable amount of silver.

Cow Creek, heading 2 miles due west of De Lamar, contains gold throughout; near its headwaters the gravel is even now washed by Chinese during the short period of available water. If more water could be had a large amount of the surface gravels might possibly pay for working. These gravels are probably of early Tertiary age, having been accumulated during the high-level period of the Tertiary lake.

Scattered remnants of gravel occur on the slopes of the rhyolite 3 miles southwest of De Lamar. For some distance south of this the Jordan Valley road follows a long ridge which is covered by gravels. It is stated that it would pay to work these with sufficient supply of water.

On the west side of the mountains Succor Creek is stated to have been worked for placer gold, but it is said that the quantity obtained was very small.

Snake River contains in this quadrangle, as it does all through the Snake River Valley, a considerable amount of gold in its sandy gravel bars. The gold is extremely fine and flaky, containing about 1000 colors to the cent. During many years from several hundred to a thousand dollars were annually washed from the stream in this quadrangle, but at present only very little work is done at intervals.

## COAL.

In other parts of the Snake River Valley the early Tertiary lake deposits frequently contain thin strata of lignitic material, or impure lignite. Such beds, up to 2 feet thick, have been prospected on Succor Creek near the base of the mountains, as well as in Reynolds Valley, but none of these beds are believed to be economically important.

## OPALS.

The basalts and rhyolites of the northern end of the Owyhee Range contain at various places opals in the abundant vesicular cavities and as filling of little veinlets in the rock. Near the head of Sq Creek and at various places along the contact of rhyolite with th lake beds opals occur in th

*Warm springs and artesian wells.*—One and one-half miles north of Walters Butte, at an elevation of 2340 feet, a spring of considerable volume and a temperature of 67° F. issues from a gravel bed locally contained in the lake beds. A hot spring issues near the post-office of Enterprise, on Snake River, at an elevation of 2220 feet. It has a temperature of 128° F. and has a volume large enough to irrigate 10 acres of ground. A well has been sunk at this vicinity to a depth of 380 feet. The well traversed 6 feet of soil, 10 feet of gravel, and then continued through light-colored sediments referred to as "yellowish shale." Two strata of "iron rock," probably basalt flows, were also bored through and there was obtained a moderate flow of warm water containing a small quantity of dissolved salts. Another well, bored at Bernard Ferry, attained a depth of 520 feet but found no flowing water. Water was struck 200 feet from the surface and rose up to 40 feet from the surface. The well is said to have struck clay material at a depth of 20 feet and continued through this material all the way down except for occasional strata of sandstone.

A third deep well was sunk at De Lamar, which penetrated basaltic lava to a depth of 975 feet, from which level a few miner's inches of flowing water having a temperature of 120° are said to have been obtained. The flow did not persist.

There is a possible chance for artesian waters along the eastern and northeastern base of the Owyhee Range. But large quantities are probably not obtainable.

Further borings have been undertaken near Enterprise and Guffey. The developments made in 1902 have been described by Prof. I. C. Russell in Water Supply and Irrigation Paper No. 78, issued by the United States Geological Survey. Professor Russell writes as follows:

> In the small valley cut by Dry Creek, about 1½ miles southwest of Guffey, Owyhee County, a well drilled to a depth of 568 feet, but not completed when examined (July 12, 1902), passed through 30 feet of loose surface gravel and then about 538 feet of soft light-colored strata belonging to the Payette formation, containing 3 seams of hard material, and reached a hard rock, perhaps quartzite, which checked the drill. The well is 3 inches in diameter. A surface flow was obtained from a depth of 160 feet, and an additional flow at 416 feet. [illegible] rly one cubic foot of water per min- [illegible] ½° F. The well is not cased below [illegible] Elevation at surface 2375 feet, or

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eakage about the pipe could not be measured. An estimate places the combined flow from the two wells at about 1 gallon per second. The water is used for irrigation. About 1½ miles southwest of Mr. Newell's home, where the elevation is 2500 feet, a well drilled in 1901 to a depth of 165 feet, diameter 10 inches, discharges by estimate about 2 gallons of water per second; temperature 87° F. The water is used for irrigation. This well was begun in igneous rock, probably rhyolite, but at a depth of a few feet entered clay, and below the clay several changes in the nature of the material occurred, but an accurate record has not been preserved. Near where the well was drilled there is a small spring of warm water. Approximately one-half mile west of Mr. Newell's ranch, on land reported to belong to Mr. Shirley, a well was drilled in 1891 to a depth of about 580 feet.

The four wells just referred to, with the exception of the 10-inch well, were drilled in the light-colored sedimentary beds of the Payette formation and, like those near Central, have surprisingly high temperatures for their depth. **They are within a distance of 1½ miles of the copious hot spring at Enterprise, which has a temperature of 128° F., and, as it seems justifiable to assume, derive a part of their water at least from that or some other similar source.**

The records of two drill holes made at Ontario, Oreg., are as follows:

A well owned by the city of Ontario, incomplete in October, 1902, has, as I am informed by Mr. A. L. Sproul, of Ontario, a depth of 1025 feet, is 4 inches in diameter, and reached water at 195 feet which rose to within 6 feet of the surface. The material passed through is sand and gravel to a depth of 35 feet and the remainder blue clay. The water is charged with gas, which, when properly confined, burns constantly. Cost of the well, $750.

The well thus described is situated where the surface elevation is between 2100 and 2200 feet, or well below the artesian head of the Lewis artesian basin. The well is not cased, and the rise of the water to within 6 feet of the surface makes it probable that if proper tests of the water pressure should be made, it would be found that a surface flow could be had by putting in proper casing.

The second well at Ontario, owned by A. F. Boyer, completed September, 1902, 3 inches in diameter, has a depth of 215 feet. Water rose and overflowed. Gas is discharged with the water. Material passed through: soil, 10 feet; gravel, 20 feet; and the balance shale. Cost $100.

[redacted] well at Vale, Oreg., drilled near a hot spring to a depth of 140 feet, as already stated, discharges a strong flow of water so long as the casing is not obstructed by mineral matter deposited from it, and has a temperature of 198½° F. This well may be considered as a developed hot spring, and has but little significance in reference to the artesian water supply of the basin in which it is located.

The artesian wells near Guffey, Central, and Enterprise, collectively present certain interesting fac- They are located essentially on a line extending northwest and southeast and measuring about 11½ miles. At the west end of the line is the hot spring at Enterprise. The depth of the wells and their temperatures are as follows, beginning at Guffey and approaching Enterprise:

*Depth and temperature of wells at Guffey, Central, and Enterprise.*

| Locality. | Distance from Enterprise hot springs. | Depth. | Temperature. | Temperature gradient. |
|---|---|---|---|---|
| | *Miles.* | *Feet.* | *Deg. F.* | |
| Guffey | 11½ | 533 | 76½ | 18.42 |
| Central | 5 | 1033 | 100 | 19.66 |
| Do | 4½ | 940 | 98 | 18.54 |
| Do | 3¾ | 1035 | 106 | 17.57 |
| Do | 3½ | 720 | 100 | 18.40 |
| Enterprise | 1 | 340 | 87 | 7.83 |
| Do | 1 | 345 | 90 | 8.37 |
| Do | 1½ | 165 | 87 | 3.10 |
| Enterprise hot spring | | | 128 | |

The temperature gradient, it will be remembered, is obtained by dividing the depth of a well below the stratum of no seasonal variation in temperature, assumed as 50 feet, by the number of degrees the temperature of the water discharged exceeds the temperature of the stratum of no seasonal variation, assumed to be 50° F. The temperature gradient, then, shows the depth in feet for each increase of one degree in temperature.

As is indicated in the above table, the temperature gradient in the region considered increases in a conspicuous manner as the distance from the Enterprise hot spring decreases. An exceptional increase, however, is seen in the case of the last well mentioned in the table, which, as noted above, is near a small tepid spring, and no doubt for this reason shows a more rapid increase of temperature with depth than any of the others. Not considering the well just referred to, the temperature gradient increases as the Enterprise hot spring is approached, but the rate of increase can not be accurately determined from the data available, since the wells are not cased and are not supplied from the same stratum.

**The facts just presented seem to indicate that the porous beds in the Payette formation in the vicinity of Enterprise are supplied in part at least from the hot spring at that place.** A legitimate conclusion seems to be that the rocks beneath the Payette formation are fissured and hot water rising through the fissure has charged the porous beds above. ~~Whether there is a~~ deep artesian basin beneath the Payette formation or not, there are no data for judging. In general, however, hot springs rise through deep fissures [illegible] in most cases not an indication of the presence of a true artesian basin. As has already been stated, the Lewis [illegible] caused by a bending of the rocks [illegible] were laid down, and this bending [illegible] eat thickness of the earth's crust

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G. F. Yanke, et ux.,
To
American Freehold-Land Mortgage Company. } Mortgage.

This Indenture, Made this 24th day of October in the year of our Lord one thousand nine hundred and three between Gustave F. Yanke, and Mattie L. Yanke, Husband and Wife, of Owyhee County, State of Idaho, parties of the first part, and The American Freehold-Land Mortgage Co. of London, (England) Limited, party of the second part.

Witnesseth, That the said parties of the first part, for and in consideration of the sum of One Thousand Five Hundred Dollars, to them in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, do by these presents, Grant, Bargain, Sell and Convey to the said party of the second part, its successors and assigns, forever, all that certain real estate, lying and being in the County of Owyhee, and State of Idaho, described as follows, to-wit:

Lots Numbered One (1) and Two (2) and North West Quarter of North West Quarter (N. W¼ of N. W) of Section Twenty-one (21) Township One (1) North, Range Three (3) West of Boise Meridian, containing One Hundred Fifty-four 5/100 (154 5/100) acres, according to the Government survey thereof.

Together with the rights to the use of water for irrigating said premises and for domestic use thereon to which the said parties of the first part or the premises hereby conveyed, are now or may hereafter become entitled, or which now are or may hereafter be used on said premises however the same may be evidenced, and together with all the shares of stock or shares of water in any ditch or company which ... in any way said parties of the first part irrigation or dom

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Source
Owyhee County Courthouse
Recorder's Office
Murphy, ID.

premises.

To Have and To Hold the Same, together with the appurtenances thereunto belonging, unto the said party of the second part its successors and assigns, forever. And the said parties of the first part do covenant with the said party of the second part its successors and assigns as follows: That they are lawfully seized in fee simple of said premises; that they have good right to convey the same; that the same are free from all incumbrances; and that they will Warrant and Defend the title to the same against all lawful claims.

And, in consideration aforesaid, the parties of the first part do hereby relinquish and convey all rights of homestead and all contingent rights and claims whatsoever in and to the said premises; and do hereby expressly waive and renounce the benefit of all laws that may be hereafter enacted, providing for any appraisement before sale of any of the property hereby granted, commonly known as "appraisement laws," and also the benefit of all laws that may be hereafter enacted, in any way extending the time for the enforcement of the collection of the debt hereby secured, or creating or extending a period of redemption from any sale made in collecting said debt, commonly known as "stay laws," and "redemption laws," and do hereby agree and contract that the laws of this State, save as above excepted, now in force relative to the collection of the debt hereby secured and the application to the payment thereof of the property hereby conveyed, are expressly adopted and made a part of this contract.

Provided, Nevertheless, That if the said parties of the first part their heirs, executors or administrators, shall pay to the said party of the second part, or its successors or assigns One Thousand Five Hundred Dollars, according to the terms and conditions of the following promissory notes, to-wit: One note for One Thousand Five Hundred Dollars due on the First day of December in the [illegible] they sign of nine [illegible]

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interest per annum until maturity, and twelve per cent interest per annum on the principal after maturity until paid; all payable according to the terms and at the times stated in said note, and payable in gold coin of the United States of America, of the present standard of weight and fineness, together with current exchange on New York, to the said American Freehold Land Mortgage Co., of London, (England) Limited, or order; and shall also keep and perform all and singular the covenants and agreements herein contained, then this deed to be null and void, otherwise to remain in full force and effect.)

And the said parties of the first part, do covenant and agree with the said party of the second part, its successors and assigns, to pay the said sum of money and interest as above specified; to pay as a part of the debt hereby secured, in case of each or any foreclosure of this mortgage, all costs and expenses and a reasonable attorney's fee, in addition to all sums and costs allowed in that behalf by law; to permit no waste, especially of timber, and to do, or to permit to be done, to said premises nothing that may in any way impair or weaken the security under this mortgage; to preserve, protect, and perfect all water rights hereby conveyed, to pay when due all assessments on the ditch or water rights or shares of stock hereby or otherwise conveyed to secure above notes; to keep the buildings on said premises insured for One Thousand Dollars, in companies acceptable to and with loss payable to the mortgagee or its successors or assigns, to have the loss on all other policies on said buildings made payable to the mortgagee or its successors or assigns, and to deliver all of the said policies to the mortgagee; and to pay before the same shall become delinquent, all taxes and assessments that may be laid within the State of Idaho upon or on any part thereof, or upon or in respect of the said

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of the second part in the said premises, or upon the notes, or debt secured thereby, while held by a non-resident of the said State of Idaho.

But in the event, any taxes are assessed and laid on the interest of the party of the second part in the said premises, or on the notes or debt secured thereby, the parties of the first part shall not be bound therefor, if and upon the condition that the party of the second part may not legally, under the laws of the State of Idaho, contract for the payment by the parties of the first part of such taxes in full to exonerate it therefrom, according to the terms and provisions of this instrument. But if the party of the second part may not legally under the laws of said state, contract for the payment by the parties of the first part of the entire amount of such taxes, but may for any part thereof, then the parties of the first part shall be bound to pay to the extent that it is legal to do so. The party of the second part maintains that it can legally contract for this exoneration in full, but desiring to avoid any infraction of the laws of the state, the intent and purpose of the parties to this instrument, is to bind the parties of the first part in this regard as above stipulated, only by a legal and valid obligation. And in case of failure so to insure and so to deliver such policies, or so to pay such taxes or assessments or in case there exists any claim, lien or incumbrance upon the said premises, which is prior to this mortgage, the said party of the second part, its successors or assigns, may effect such insurance, and may pay such taxes or assessments, and may pay such claim, lien or incumbrance; and the sum or sums of money which may be so paid, with interest from the time of such payment at twelve per cent per annum, shall be deemed and are hereby declared to be a part of the debt secured by this mortgage, and immediately due and payable.

Provided however that any mortgagee for insurance for loss on account of loss

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icies may at the option of the party of the second part, his successors or assigns, be either paid to the insured or applied upon the items of indebtedness secured hereby, whether such items be due or not, in such order as the party of the second part, or assigns may direct.

And the said parties of the first part do further agree that, in case of default in the payment of any one of the installments of the principal or interest of said notes, or in case of the violation of any one of the above conditions, agreements or covenants, or in case any tax or assessment is assessed, within the said state of Idaho, against the mortgagee's interest in said premises, or against the debt or notes secured hereunder, while held by a non-resident, or in case the irrigation or cultivation of the said premises or the payment of any assessments on said water shares or stock is so neglected as in the judgement of the said party of the second part to jeopardize the water rights intended to be conveyed above by this instrument or conveyed by any other instrument to secure the above notes; that then, and in either or any such case, the said party of the second part, its successors or assigns may elect, without notice, that the whole indebtedness hereby secured shall be immediately due and payable, and may enforce payment thereof by foreclosure of this mortgage or otherwise, and that then, and in either or any such case, the said party of the second part, its successors or assigns, are hereby authorized and empowered to sell the hereby granted premises at public auction, and convey the same to the purchaser in fee simple, and, out of the moneys arising from such sale, to retain the principal of said notes and interest, together with all such sums of money as they shall have paid for taxes or assessments, prior liens, encumbrances, or insurance, with interest thereon as hereinbefore provided, and all other sum or sums [illegible] due under the terms of this mor[tgage] with all legal

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costs and charges of such foreclosure, and also a reasonable attorney's fee, and pay the overplus, if any, to said parties of the first part. This power shall not be discharged by its exercise in case of any default or violation as aforesaid, but may again be exercised as often as any violation or default shall occur.

And the said parties of the first part hereby agree that the purchaser of said premises upon sale under foreclosure, by advertisement or action, shall be entitled to immediate possession.

And it is agreed that, by any extension or extensions of the time of payment of any or all of the indebtedness secured hereby, the first lien hereunder shall not in anywise be altered or affected in favor of any junior incumbrancer or in favor of any party hereafter acquiring an interest in, or lien on said real estate.

In Testimony Whereof, The said parties of the first part have hereunto set their hands and seals the day and year first above written.

Signed, Sealed and Delivered in the Presence of Frank J. Smith, C. C. Siggins

Gustave F. Yanke (Seal)
Mattie S. Yanke (Seal)

State of Idaho, } ss.
County of Canyon. }

On this 24th day of October, in the year 1903, before me, Frank J. Smith, a Notary Public in and for said County, personally appeared Gustave F. Yanke, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same, and on this 24th day of October in the year 1903, before me, the officer above described, personally appeared Mattie S. Yanke, known to me to be the person whose name is subscribed to the within instrument, described as a married woman, and upon an examination of her without the husband being present, and upon hearing her

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acquainted with the contents of the instrument and thereupon she acknowledged to me that she executed the same and that she does not wish to retract such execution.

In Witness Whereof, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Notary Seal

Frank J. Smith
Notary Public

Filed Oct. 28th, 1903. at 10 minutes past 9 o'clock A. M., at request of W. Scott Neal.

J. L. St Clair
Ex-Officio Recorder

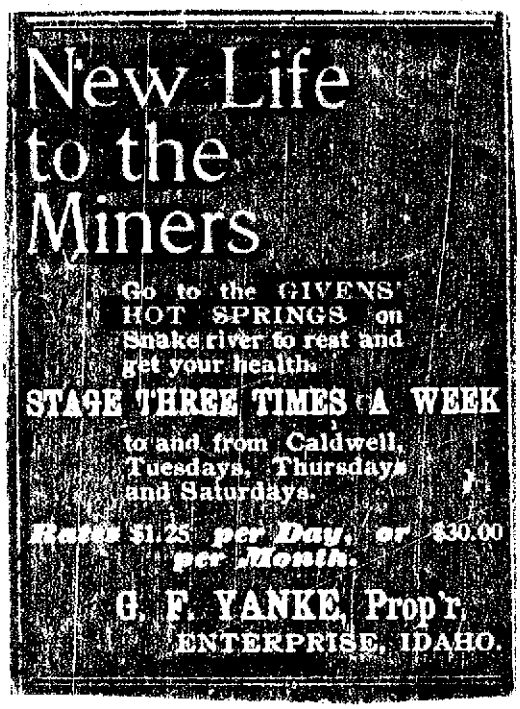
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NEWSPAPER ARTICLE

GIVENS HOT SPRINGS

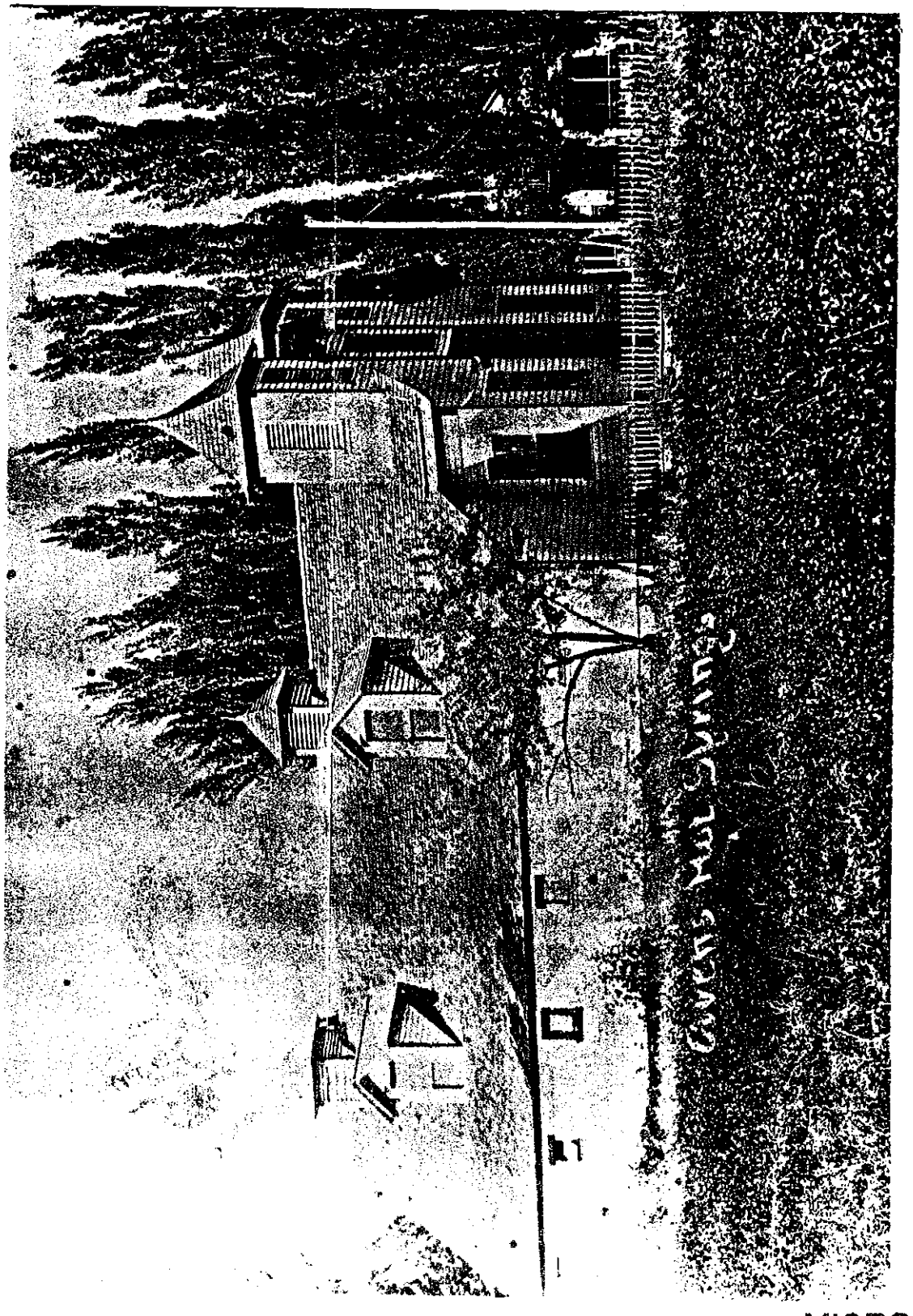
"The popular health and pleasure resort, the Givens Hot Springs, situated in this country on Snake river at Enterprise, is being improved in various ways by the enterprising proprietor, Mr. G. F. Yanke. The hotel is being enlarged to accomodate the increasing patronage of the place and a new plunge is being built for the benefit of the patrons of the place. The Springs have effected some astonished cures and it is doubtful if there is any other mineral springs in the state which contian better medical properties than the Givens Hot Springs. The patronage is constantly on the increase and as the springs become better known, the increase will be still greater."

[Reference: The above is a quote from an article published in the Idaho Avalanche, Silver City, Idaho, July 17, 1903; copied from the microfilms located at the Idaho State Historical Library, Boise, ID.]




[Reference: The above advertisement ran for over one year, being published in each edition of the Idaho Avalanche, Silver City, Idaho; microfilmed copy from Idaho State Historical Library, Boise, ID)

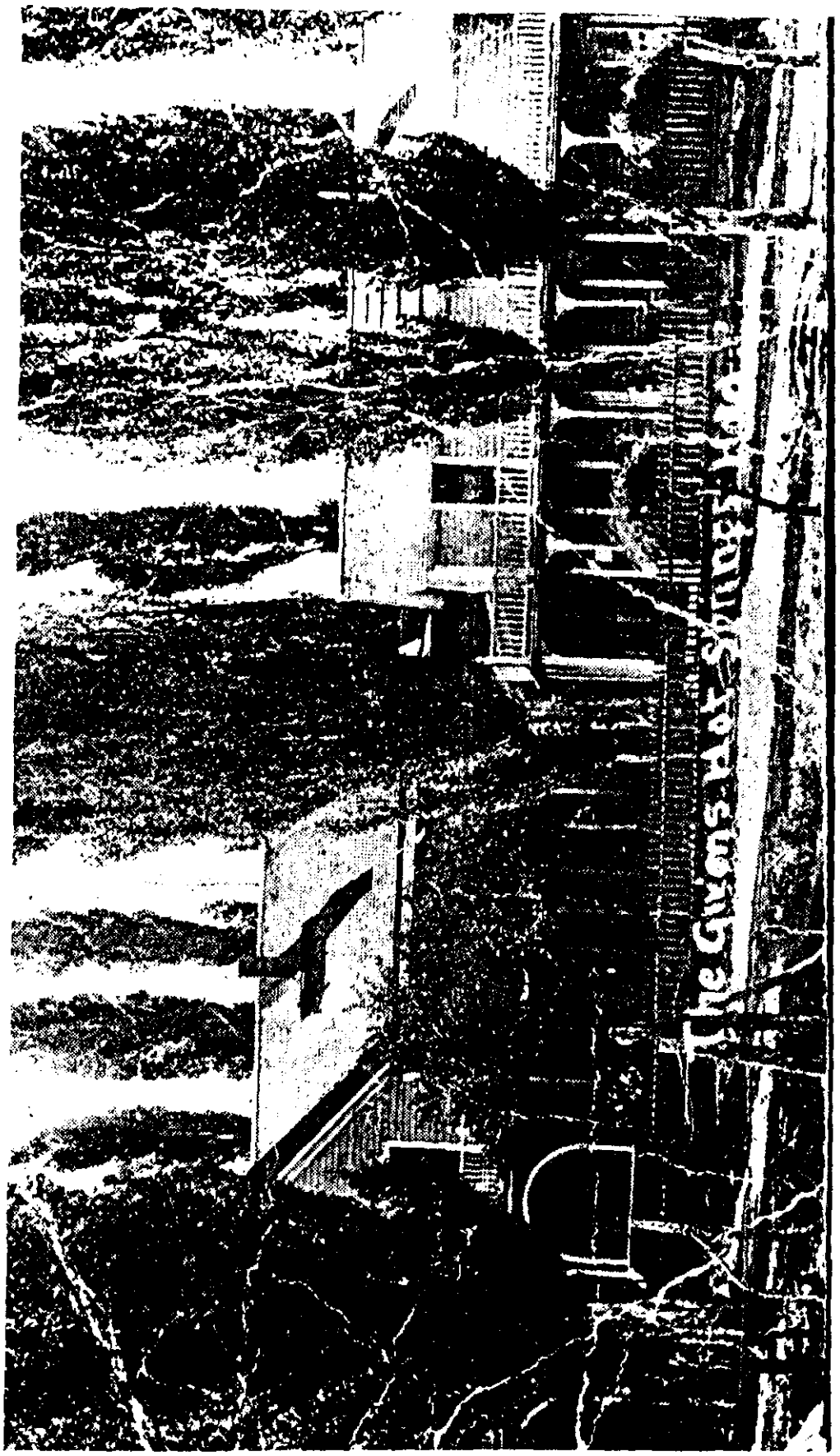
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New Bath House built in 1903, encompassed swimming pool. (Hotel in background, at right of picture).

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[Copy of original photograph of Helen (Givens) Hansen, of Boise, ID]




GIVENS HOT SPRINGS
Hotel-added on to in
1903

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[Copy of original photograph of Helen (Givens) Hansen, of Boise, ID]

HISTORICAL PAMPHLET


# WHY BE SICK?

WHEN NATURE HAS PROVIDED A CURE FOR ALL AILMENTS



RHEUMATISM, SKIN DISEASES OR ANY AILMENTS OF THE BODY

can be quickly cured by getting close to Nature, and using the waters of her Medical Springs.

COME TO

Givens Hot Springs

Givens & Yanke, Props.

ENTERPRISE IDAHO

... approx. 1,07, copied from original of Patricia Lucille (Patton) Love

AT the big bend of the great Snake river, about fourteen miles southwest of Nampa are located the **Givens hot springs** that are gaining a wide fame for their health giving properties. These hot springs have proven a boon to suffering humanity throughout this entire country. They are natural boiling springs, everlastingly bubbling forth curative mineral waters and for a number of years have been bringing health back to hundreds of people who have taken advantage of the opportunity.

Up to this time there has been no effort on the part of the management of this resort to exploit the curative quality of the waters of these springs, they have been content to entertain the many local people who come there for rest and recreation. Many, however, have learned of the medicinal value of the water of the springs and have gone there for the special purpose of being cured of their afflictions. In almost every instance there has been radical improvement in the health of the patients and it has been through this that fame of the Givens Hot Springs has spread far and wide. Those who have been so much benefitted in health have told others, and it has been by this means that the curative value of the waters have been exploited.

## BATHS AND PLUNGE

For the advantage of those who come for bathing, and to be renewed in health, suitable baths have been arranged. A commodious plunge has been provided and there is every modern advantage provided for the afflicted as well as for those who are out for pleasure only.

While the abundant shade and beautiful surroundings of the place add attraction for all who desire a vacation and an outing, it is the bath house that constitutes the chief attraction.

**The water is piped from the springs to the bath house where it is carried in pipes to separate bath rooms and to the plunge.** The latter place is large enough for an excellent swimming pool.

When the water leaves the springs it is at a temperature of 150 degrees, but through the pipes it is sufficiently cooled so that wher it reaches the baths and the plunge it is right for a hot bath.

## PROPERTIES OF WATER

The water has been analyzed several times by eminent chemists and it is found that the chief properties are borax, soda, ammonia and potash. There are other chemicals well known for their healing properties and the combination of all seems to have been in such proportions as to provide a medical water for the special benefit of suffering humanity.

Why should we not believe that Divine Providence, who in His wisdom has given to mankind the necessary elements for his natural requirements, should not have provided the medicinal water in the springs that gush forth from old Earth? And when it has been found that many cures for various ailments have come to those who took a little time to bathe in the waters of these hot springs and to rest for a few weeks while they waited for the action of these natural elements to do the work for mankind to which they seem to have been designed, why should we not turn to this sort of remedy more than to spend so much time in drinking the artificial compounds that man proposes as medicine?



All these have their purposes and it does certainly seem that the waters of these springs have a healing purpose for afflicted men and women.

With the hope that some of the torturing ailment of mankind may be benefitted at the Givens Hot Springs, the management have turned more to giving this part of

the popular resort the attention it deserves, and those coming there for treatment will find they will be given every attention possible.

Many of the doctors of the state have recommended patients to these springs, and particularly for rheumatic affections. This very prevalent affliction seems to be the one particular ailment that gives way completely to the action of the water of these springs, and there are numerous remarkable cases of cures of people who were thus afflicted.

---

### Hotel and Accommodations

The place has a nice hotel for the accommodation of visitors, and the hotel being situated in the center of a large grove of shade trees and fruit trees, with spacious well kept lawns, is an ideal place to spend a few weeks in the quiet of a country home.

There are also many places to camp for people who desire to live in the open air.

The commodious stables afford eff[illegible] to [illegible] that are always well cared for.

There are many places in the West where people go for their health but it is safe to say that none are better and few as good as this resort that is growing so rapidly in prominence.

---

### WRITE FOR PARTICULARS

For special information regarding the various features of this resort and for further information, those interested should write the management, **Messrs. Givens & Yanke, Enterprise, Idaho.**

It should also be mentioned in this connection that there is a post office near the hotel where daily mail is received by stage from Guffy, a point of the B. N. & O. railroad.

The train for Guffy leaves Nampa daily and at that point there is a stage line that makes close connections with the trains, and it is only a short ride by stage to the springs.

There is quick and effective transportation from Nampa by auto livery to the springs.




# WHY BE SICK?

WHEN NATURE HAS PROVIDED A CURE FOR ALL AILMENTS

RHEUMATISM, SKIN DISEASES OR ANY AILMENTS OF THE BODY

can be quickly cured by getting close to Nature, and using the waters of her Medical Springs.

COME TO

## Givens Hot Springs

Givens & Yanke, Props.

ENTERPRISE IDAHO




# THE GIVENS HOT SPRINGS

## IDAHO'S BEST HEALTH RESORT

CHAS. SIMMONS, Manager

Natural Hot Water Bath House and Plunge
Modern Hotel and Stable Accommodations

The principal chemical properties of this water are Soda, Borax, Ammonia and Potash, and it absolutely cures all forms of Rheumatism, Stomach Troubles, Kidney and Skin Diseases, as well as many other human ailments Stage leaves Cuffy, Idaho, on Idaho & Northern Railway every morning. Daily Mail.

ENTERPRISE, IDAHO, Dec -30 1911

Due R E Beall for surveying and calculating Lot. 2 sec. 16 T1N R3W B.M. for the estate of David L. Williams by James R. Keith Administrator. Thirty Five Dollars #35 00/100.

Rec'd. Payment.
R E Beall.

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Source

Original stationary part of personal collection of Elizabeth L. Cuff.

If you do not need this report after it has served your purpose, please return it to the Geological Survey, using the official mailing label at the end.

UNITED STATES DEPARTMENT OF THE INTERIOR

# THERMAL SPRINGS IN THE UNITED STATES

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 679—B

1935-1937

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Source

US Geological Survey Dept.
Boise, ID.

1935 --Stearns

UNITED STATES DEPARTMENT OF THE INTERIOR
Harold L. Ickes, Secretary
GEOLOGICAL SURVEY
W. C. Mendenhall, Director

Water-Supply Paper 679—B

# THERMAL SPRINGS IN THE UNITED STATES

BY

NORAH D. STEARNS, HAROLD T. STEARNS
AND GERALD A. WARING

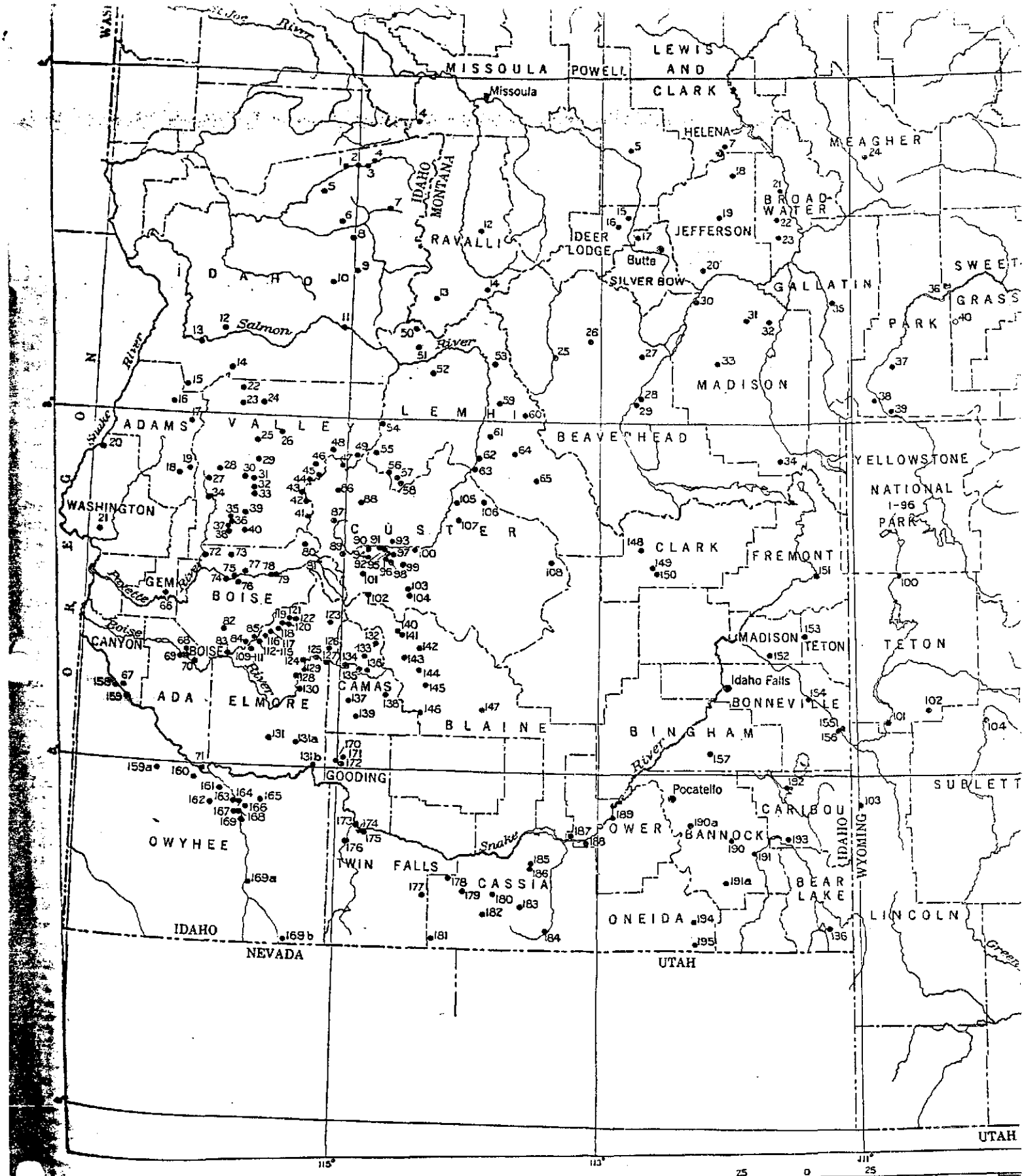
Contributions to the hydrology of the United States, 1935
(Pages 59–191)

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1937

For sale by the Superintendent of Documents, Washington, D. C. - - - - - - - Price 35 cents

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MAP OF IDAHO, MON[illegible] WYOMING SHO

Numbers refer to table in text.

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*Data on thermal springs in the United States*—Continued

Idaho—Continued

[See pl. 11]

| Map no. | Location | Name | Geology | Temperature (° F.) | Approximate discharge (gallons a minute) | References [1] | Remarks |
|---|---|---|---|---|---|---|---|
| | *Bingham County* | | | | | | |
| 157 | 3 miles southeast of old Fort Hall, sec. 36, T. 3 S., R. 37 E. | Lincoln Valley Warm Springs. | Limestone, probably Carboniferous. | 69–87 | | 166, p. 160; 169, p. 182. | 5 springs; local use. |
| | *Owyhee County* | | | | | | |
| 158 | Enterprise, T. 1 N., R. 3 W. | | Lake sediments of Payette formation; artesian structure. | 128 | 3,000 | 60, p. 27; 61, p. 5. | 1 spring; bathing. |
| 159 | South side of Snake River, near mouth of Reynolds Creek, T. 1 S., R. 3 W. | Given's Hot Springs | Miocene sediments near Tertiary lava. | 98 | 35 | 169, p. 181; 171, p. 223; 179, p. 345. | 2 springs; bathing. |
| 159a | Toy ranch, sec. 29, T. 5 S., R. 1 E. | (2) | Alluvium | 115–120 | 50 | 174 | Several springs; bathing. |
| 160 | Shoofly Creek, near Grand View, sec. 14, T. 6 S., R. 3 E. | | Lake beds of Payette formation (Tertiary). | Warm | 300 | 174 | 2 springs; irrigation; tufa deposits. |
| 161 | Little Valley Creek, 10 miles southeast of Comet, NE¼ sec. 32, T. 6 S., R. 5 E. | Rosebrier Spring | Valley alluvium; near fault in lake beds of Payette formation. | 101 | Small | 69, p. 169; 68, p. 36. | Local use; original flow increased by drilled well. |
| 162 | Near head of Little Valley Creek, SE¼ sec. 24, T. 7 S., R. 4 E. | | Lake beds of Payette formation. | 99 | 135 | 68, p. 36 | 1 spring; irrigation; original flow, 25 gallons a minute, increased by 5 drilled wells. |
| 163 | West side of Bruneau Valley near Hot Springs post office, SE¼ sec. 21, T. 7 S., R. 6 E. | Bruneau Hot Spring | Miocene sediments; artesian structure, or fault. | 105 | 1,200 | 59, p. 167; 60, p. 27; 68, p. 37. | Bathing; irrigation. |
| 164 | Bruneau Valley, SW¼ sec. 22, T. 7 S., R. 6 E. | | Lake beds of Payette formation. | 111 | 35 | 68, p. 37 | 1 spring; local use. |
| 165 | Bruneau Valley, SE¼ sec. 22, T. 7 S., R. 6 E. | Trummel's Hot Springs | Alluvium; near fault in lake beds of Payette formation. | 114 | 1,000 | 68, p. 37 | Bathhouse, bathing pool, irrigation. |
| 166 | East bank of Bruneau River, NW¼ sec. 35, T. 7 S., R. 6 E. | | Probably from Payette formation. | Warm | Large | 68, p. 38 | 1 spring; not used. |
| 167 | 11 miles south of Bruneau, lot 3, sec. 3, T. 8 S., R. 6 E. | Hot Creek Springs | Issue from tuff beneath basalt. | 94–98 | 1,800 | 68, p. 37 | Several springs; irrigation. |
| 168 | Bruneau Valley, below mouth of Hot Creek, lot 1, sec. 3, T. 8 S., R. 6 E. | | Tuff in Payette formation | 100 | | 68, p. 38 | Several springs; local use. |
| 169 | Bruneau Valley, 100 yards below Buckaroo diversion dam, SW¼ sec. 29, T. 8 S., R. 7 E. | | Issues in river bed from Payette formation. | 105 | | 68, p. 38 | 1 spring; not used. |
| 169a | West Fork of Bruneau River, sec. 33, T. 12 S., R. 7 E. | Indian Hot Springs [3] | Rhyolite beneath basalt | 145–158 | 2,000 | 174 | 2 principal springs; bathing. In canyon 950 feet deep. Also called Hot Hot Springs. Bathing. |
| 169b | 10 miles southwest of Three Creek | Kitty's Hot Hole [3] | Basalt | Hot | Small | 174 | |
| | *Gooding County* | | | | | | |
| 170 | Near Blanche, sec. 31, T. 4 S., R. 13 E. | White Arrow Hot Spring | Pliocene lava | 149 | 1,200 | 174 | 4 springs; bathing pool; irrigation. |
| 171 | 1½ miles northeast of White Arrow Springs, T. 4 S., R. 13 E. | Blanche Crater Warm Springs. | Quaternary lava | 80 | Small | 174 | Supply Soda Lake (Lye Lake) covering 3 acres in the crater; not used. |
| 172 | 2 miles southeast of White Arrow Hot Springs. | Tschannen Warm Springs. | Pliocene lava | 110 | | 174 | Seepage forms a small meadow; drilled well has artesian flow of 200 gallons a minute of hot water; local use. |
| | *Twin Falls County* | | | | | | |
| 173 | South side of Snake River, on island in Salmon Falls Creek near Austin, sec. 30, T. 8 S., R. 14 E. | | Tertiary lake beds overlying lava. | 130 | 5 | 174 | 1 spring; bathing. |
| 174 | South side of Snake River near Austin, sec. 31, T. 8 S., R. 14 E. | Ring's Hot Spring | Faulted Tertiary lake beds | 125 | 200 | 174 | Forms a pool, bubbling with odorless gas; local use. |
| 175 | South bank of Snake River, 4 miles above mouth of Salmon River, sec. 33, T. 8 S., R. 14 E. | Banbury Hot Springs | Recent alluvium near fault in Tertiary lake beds. | 131 | 600 | 59, p. 169; 174 | 2 springs improved by drilled well; bathing pool, irrigation. |
| 176 | Canyon of Salmon River, 8 miles above junction with Snake River, about T. 9 S., R. 13 E. | Polson Spring | Tertiary lava. | Warm | Small | 59, p. 169 | Not used. |
| 177 | Rock Creek, 16 miles south of Stricker | | do | 90 | 1,300 | 171 | 3 springs; [illegible] |

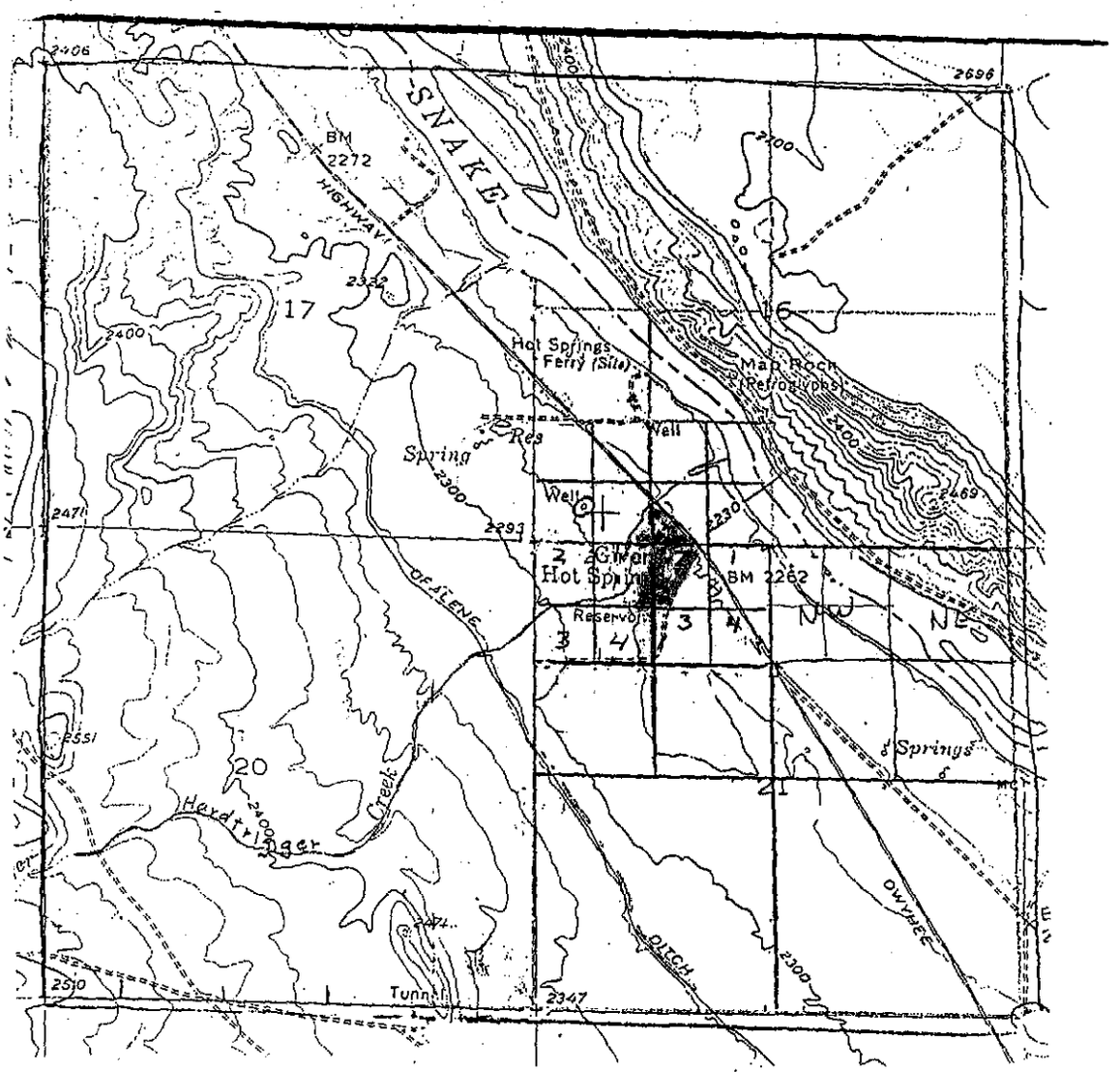


* GHS is not located near the mouth of Reynolds Creek. #158 is the correct Spring to which ref. [illegible]

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Irrigation Exclusion #617

Sept. 13 1948




GHS Property 20.68/Acres

All were in favor; NONE Against

Presented by Berry Givens - Director

Seconded by Vene Foster - Director

Signed by Adam Blackstock - Secretary

Petitioned by J. L. Jensen - Property Owner

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Source

Owyhee County Courthouse
Recorder's Office
Murphy, ID.

On or about
Sept. 7, 1948

RESOLUTION AND ORDER

WHEREUPON, the petition of J. H. Jensen was presented to the Board for the detachment of certain lands from the [illegible] and a hearing was had thereon.

WHEREUPON, the following preamble and resolution was presented by Director Berry Givens, who moved the adoption thereof, which motion was seconded by Director Vene Foster:

WHEREAS, the petition of J. H. Jensen has been presented to the Board for detachment of said lands from the District and altering the boundaries of the District to exclude the said lands from the District; and

WHEREAS, the petition represents [illegible] and that the said land is suitable and has been used for industrial and recreation purposes and that the same is not agricultural or farming land and that the lands are not requiring at any time irrigation water from the district, that the said lands are situate within the Owyhee Irrigation District and are in Owyhee County, Idaho, and are bounded and described as follows, to-wit:

That part of Sections 16 and 21 of Township 1 North of Range 3 West of the Boise Meridian, more particularly described as follows:

Beginning at a point on the Section line between Sections 16 and 21 aforesaid, 251.9 feet East of the common corner of Sections 16, 17, 20 and 21, Township 1 N., R. 3 W., Boise Meridian; thence S. 21°00' E. a distance of 1050 feet; thence N. 32°01' E. a distance of 887.6 feet; thence N. 38°21' W. a distance of 309.5 feet; thence N. 42°53' W. a distance of 276.5 feet; thence N. 43°59' W. a distance of 428.5 feet; thence S. 68°19' W. a distance of 620.5 feet; thence S. 21°00' E. a distance of 448.0 feet to the point of beginning;

and [illegible] appearing to the [illegible] evidence adduced that

FILED

...BE IT RESOLVED and ORDERED and this does RESOLVE and ...DER that the boundaries of this Opaline Irrigation District ...be, and they are hereby, changed so as to exclude from the boundaries of the district the above described real estate and the whole thereof and that from now and henceforth the said lands and the whole thereof be, and they are hereby, excluded from within the boundaries of the said Opaline Irrigation District and the boundaries of said Opaline Irrigation District be, and the same are hereby, altered so that the lands are excluded from the boundaries of said district and from henceforth shall be no part of the Opaline Irrigation District but shall be entirely excluded therefrom and the boundaries of said district be, and they are hereby, altered and changed so that the lands are excluded from the said district."

A yea and nay vote was had on said resolution. All the Directors present voting in favor thereof and none against. Whereupon, the Chairman declared the motion duly carried and the preamble and resolution duly adopted and the lands excluded from the district.

...TE OF IDAHO )
) ss.
...unty of Owyhee )

I, ADAM H. BLACKSTOCK, do hereby certify that I am the duly elected, qualified and acting Secretary of the Opaline Irrigation District; that as such Secretary I have in my custody and care the minutes of the meetings of the Directors of the Opaline Irrigation District; that the above and foregoing is a full, true and correct copy of a motion, preamble and resolution duly passed by the Board of Directors of said Opaline Irrigation District on the 7th day of September, 1944.

Adam H. Blackstock
Secretary

February 5, 1894
Tim lease water rights to
George Newell--SPRINGS

(Document)

No. 364

Memorandum of Agreement

This Agreement made this 5th day of February 1894 By and between T. Q. Shirley of the first part and George Newell party of the second part. Witnesseth

That for the consideration hereinafter mentioned the said T. Q. Shirely agrees to lease and hereby does lease to the party of the second part the sole use and control of the water all and every part flowing or that may be caused to flow from a certain Hot Spring the property of the party of the first part and more fully described as being situate and lying in the N. E.$\frac{1}{4}$ of Sec. 21 Tp 1N. 3WBM. The party of the second part for the use and privilege of said water above mentioned hereby agrees to within the period of Twelve months (12) from the date of this agreement, Elevate the water of said spring to the elevation adjoining to the South being a distance of about 200 feet and height of 8 feet more or less. For the consideration hereinbefore mentioned it is hereby agreed by the party of the first part that the party of the second part shall have the sole use and control of the above mentioned spring and control of the above mentioned spring and the waters thereof for the period of three (3) years from the date of this agreement. It is further agreed by the party of the first part that in case the party of the second part shall cause the flow of water to increase 1/4 more than the amount flowing from said spring at the date of this agreement, which amount is hereinafter mentioned by boreing or otherwise then the party of the second part shall have the sole and exclusive right and privilege to use said waters for the further period of Five (5) years from the date of this agreement.

It is further agreed that in case by boreing said spring it should decrease the flow of water flowing from the spring adjoining the orchid (sic) cultivated by M. R. Givens then the party of the second part shall make good said amount so decreased at the point where said water is intended to be elevated.

It is further agreed that in case the second party shall fail to elevate said Water as hereinbefore mentioned within twelve months from the date of this agreement, then this contract shall be void.

Signed
Timothy Q. Shirley
George Newell

Central Owyhee Co.
Idaho
Witness E. C. Newell

Filed September 12, A.D. 1895 at 9 o'clock A.M. at request of Cottingham & Nettleton.

E. L. Ballard
Recorder of Owyhee County

By Geo H. Handy, Deputy

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County Recorders Office, Owyhee County, Murphy, Id., Records of Bonds and Agreements, Book 2, pp. 261, 262.

1894

Mar. 12, 1894

# Post Offices

EMMETT (continued)
David E. Smithson, September 19, 1902;
Edward Waring, April 16, 1907;
Samuel O. Riggs, January 6, 1916;
Robert R. Coon, July 9, 1924;
34 m. NW of Boise; 36 SE of Payette
Sec. 7 - T6N - R1W

EMMETTSVILLE — GEM (ADA) CO.
Established October 31, 1868, James M. Donnell;
John Poole, March 18, 1869;
discontinued November 1, 1869;
re-established July 5, 1871;
Nathaniel Martin, September 19, 1871;
Douglas Knox, September 21, 1875;
Benjamin Leonard Marriner, October 19, 1876;
Aaron Buscom, February 6, 1878;
William M. Hamersley, August 25, 1880;
name changed to EMMETT December 9, 1885.

ENAVILLE — SHOSHONE CO.
Established June 29, 1891, George S. Johnson;
closed October 2, 1893 mail to Kingston;
re-opened March 31, 1903, Eunice E. Daly;
Viola R. Staub, June 4, 1910;
Henry S. Davenport, November 19, 1918;
13 m. NW of Kellogg on No. Fork Coeur d'Alene R.;
5 m. W of Smelterville
NE Sec. 30 - T49N - R2E

X ENTERPRISE — OWYHEE CO.
Established March 12, 1894, David L. Williams;
Mattie S. Yanke, March 18, 1902; (at Givens Hot Springs Hotel)
Isabel Simmons, January 18, 1912;
Joseph A. Walker, June 8, 1915;
renamed GIVENS SPRINGS, March 12, 1917.
On S bank Snake R. 13 m. SE of Marsing;
22 m. NW of Murphy;
Sec. 28 - T1N - R3W

ERA — BUTTE? — (ALTURAS) CO.
Established August 26, 1885, William A. Crawford;
John H. Greene, December 18, 1887;
discontinued July 5, 1894 mail to Martin.

ESMARALDA — ELMORE (ALTURAS)CO.
Established June 23, 1864, John McLoughlin;
George Chamberlain, February 21, 1865;
Arnold Nordheimer, April 5, 1866;
renamed ROCKY BAR January 20, 1868.

Copied from "Postmarked Idaho Post Offices" a list by Idaho State Hist. Library

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1903.

Study done in Summer of 1902 (July)

57TH CONGRESS, 2d Session. } HOUSE OF REPRESENTATIVES. { DOCUMENT No. 441.

Water-Supply and Irrigation Paper No. 78 Series { B, Descriptive Geology, 29 / D, Underground Waters, 20

DEPARTMENT OF THE INTERIOR

UNITED STATES GEOLOGICAL SURVEY

CHARLES D. WALCOTT, DIRECTOR

# PRELIMINARY REPORT

ON

# ARTESIAN BASINS

IN

## SOUTHWESTERN IDAHO AND SOUTHEASTERN OREGON

BY

ISRAEL C. RUSSELL



WASHINGTON

GOVERNMENT PRINTING OFFICE

1903

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OCT 0 7 19

Summer, 1902 -- Russell



The surface level is about 3,550 feet. The water is of good quality, but is not now utilized except in a small way for bathing. No attempt has been made to develop the spring by boring, although good land occurs near at hand on which any water that might be obtained could be used for irrigating.

*Boise.*—Springs issue from sandstone of the Payette formation, 4½ miles east of Boise, at an elevation of about 2,750 feet. The water has a faint smell of sulphureted hydrogen, contains a small amount of mineral matter in solution, and varies in temperature from 125° F. to near the boiling point.

*Salmon River.*—A small spring on the left bank of Snake River, about 4 miles above the mouth of Salmon River, Cassia County, has a temperature of 131° F. Another hot spring occurs in the canyon of Salmon River, about 5 miles above its mouth.

*Little Valley.*—Near the head of Little Valley, Owyhee County, there are several warm springs and one small hot spring, temperature 101° F., which is now partially developed by drilling wells near it to a depth of 40 feet.

*Bruneau Valley.*—Near Hot Spring post-office there are several copious springs, with a temperature of 109° F. One of these has been developed by drilling a well near it to a depth of 240 feet. The well furnishes 7 gallons of water per minute.[a]

*Walters Butte.*—A copious spring about 1 mile west of Walters Butte, Canyon County, where the elevation is 2,340 feet, has a temperature of 67° F. This spring is very likely due to the leakage from water-bearing strata, and suggests that wells put down in its vicinity to a depth of about 350 or 400 feet would yield a surface flow of water. Near Walters Butte there is an area of about 4 square miles of favorable land that lies below the known artesian head of the basin in which it is situated.

*Enterprise.*—On the south side of Snake River, at Enterprise, Owyhee County, there is a spring issuing at an elevation of 2,220 feet, with a temperature of 128° F., which discharges approximately 7 cubic feet of water per second and is now utilized for bathing and [redacted]. The water rises where there is a thickness of nearly 1,000 feet of soft lake sediment (Payette formation) and, as its temperature indicates, comes from a depth of approximately 4,500 feet.

*Sands.*—From 2 to 3 miles west of Sands, in Owyhee County, and near the point where Poison Creek descends through a deep cleft in the upland and enters Snake River Valley, there are copious springs, with a temperature of about 100° F., which are used for irrigation. These springs rise where the surface level is approximately 2,450 feet, and may reasonably be supposed to be supplied by the leakage of porous

[a] Concerning the five localities mentioned above additional information is presented in Bull. U. S. Geol. Survey No. 196.

flow from the mountains to the south, but the wells must be supplied from a deeper source.

Little Valley is situated within the Lewis artesian basin and is lower than the flowing wells near Hot Spring post-office, in Bruneau Valley, but the wells referred to above do not furnish a test of what may be termed the true artesian condition. Near the wells just described, but nearer the head of Little Valley, there is a small hot spring which rises through soft, white lake beds, and which has a temperature of 101° F. Five drill holes, put down to a depth of 40 feet in the immediate vicinity of this spring, resulted in a marked increase in the outflow. The discharge is now about one-half cubic foot per second. The wells are not cased, and there is reason to believe that larger holes, with proper casing, would lead to a greater discharge.

*Guffey.*—In the small valley cut by Dry Creek, about 1½ miles southwest of Guffey, Owyhee County, a well drilled to a depth of 568 feet, but not completed when examined (July 12, 1902), passes through 30 feet of loose surface gravel and then about 538 feet of soft light-covered strata belonging to the Payette formation, containing three seams of hard material, and reached a hard rock, perhaps quartzite, which checked the drill. The well is 3 inches in diameter. A surface flow was obtained from a depth of 160 feet, and an additional flow at 416 feet. The discharge is nearly 1 cubic foot of water per minute; temperature 76½° F. The well is not cased below a depth of 38 feet. Elevation at surface 2,375 feet, or about 160 feet above the adjacent portion of Snake River.

In a small gulch at Guffey and about 120 feet above Snake River, a well bored with a 1½-inch hand auger to a depth of 30 feet through light-colored beds, probably shale of the Payette formation, at first discharged about 1 gallon of water per minute, but has since ceased to flow.

*Central.*—Near Central (Barnard Ferry), in the Snake River Canyon, and from 7 to 9 miles northwest of Guffey, four artesian wells have been drilled. All of them are situated near the bottom of the valley, and within a distance of 1½ miles of Central, toward the southeast, where the elevation is approximately 2,300 feet. The records of these wells are as follows:

On the land of Alfred Cox a 3-inch well completed in June, 1902, has a depth of about 1,033 feet. It is cased from surface to a depth of 39 feet and discharges by estimate one-half gallon of water per second; temperature 100° F. Flowing water was first reached at a depth of 600 feet, and the delivery at the surface steadily increased as long as drilling was continued. The water brings sand and gravel to the surface with it. The contract price of the well was 25 cents per foot, the owner furnishing wood and water for the engine used in drilling. The casing used was also provided by the owner of the land and cost about 50 cents per foot.

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About one-half mile west of the Cox well a boring approximately 1,000 deep was put down in 1901, which failed to reach water under sufficient pressure to force it to the surface. No other record in reference to this boring has been obtained.

On the farm of P. B. Smith, adjacent to the land of Mr. Cox, and about 1¼ miles southeast of Central, an artesian well drilled in 1901 has a depth of 940 feet, is 3 inches in diameter, is cased to a depth of 30 feet, and discharges about one-third of a gallon of water per second; temperature 98° F. Water which rose to the surface was first reached at a depth of 550 feet. At 700 feet a seam of black sand, etc., was penetrated and the flow of water increased. At the bottom of the well the drill dropped about 3 feet, having reached a stratum of sand and gravel, from which the main supply of water is derived. The well discharges sand and gravel. Cost about 25 cents per foot.

On the land of Mr. Barnard, about one-half mile southeast of Central, a well drilled in 1901 has a depth of about 1,035 feet, is 3 inches in diameter, cased for a short distance at the top, and discharges, by estimate, 1 gallon of water per second, with a temperature of 106° F. At Mr. Barnard's home, in Central, a well drilled in 1901 to a depth of 720 feet, delivers about three-fourths of a gallon of water per second, not measured, with a temperature of 99 or 100° F.

The four wells near Central just referred to were all drilled in the unconsolidated lacustral deposits, mostly sandy clays and soft shales of the Payette formation. A notable fact in connection with them is that no sheets of basalt were encountered. The water from each of the wells is used for irrigation.

*Enterprise.*—About 3½ miles down Snake River from Central or Barnard Ferry is the post-office known as Enterprise, situated near Warm Spring Ferry. Within a radius of about 1¼ miles of Enterprise and to the southeast there are 4 artesian wells.

At the home of George Newell there are 2 flowing wells, one with a depth of 340 feet, cased with 2½-inch pipe, temperature of 87° F., and the other 385 feet deep, 6 inches in diameter; temperature 90° F. The surface elevation is about 2,300 feet. The flow of water from the larger well, particularly, is strong, but on account of leakage about the pipe could not be measured. An estimate places the combined flow from the two wells at about 1 gallon per second. The water is used for irrigation. About 1½ miles southwest of Mr. Newell's home, where the elevation is 2,500 feet, a well drilled in 1901 to a depth of 165 feet, diameter 10 inches, discharges, by estimate, about 2 gallons of water per second; temperature 87° F. The water is used for irrigation. This well was begun in igneous rock, probably rhyolite, but at a depth of a few feet entered clay, and below the clay several changes in the nature of the material occurred, but an accurate record has not been preserved. Near where the well was drilled

there is a small spring of warm water. Approximately one-half mile west of Mr. Newell's ranch, on land reported to belong to Mr. Shirley, a well was drilled in 1891 to a depth of about 580 feet.

The four wells just referred to, with the exception of the 10-inch well, were drilled in the light-colored sedimentary beds of the Payette formation and, like those near Central, have surprisingly high temperatures for their depth. They are within a distance of 1½ miles of the copious hot spring at Enterprise, which has a temperature of 128° F., and, as it seems justifiable to assume, derive a part of their water at least from that or some other similar source.

*Ontario.*—The records of two drill holes made at Ontario, Oreg., are as follows:

A well owned by the city of Ontario, incomplete in October, 1902, has, as I am informed by Mr. A. L. Sproul, of Ontario, a depth of 1,025 feet, is 4 inches in diameter, and reached water at 195 feet, which rose to within 6 feet of the surface. The material passed through is sand and gravel to a depth of 35 feet and the remainder blue clay. The water is charged with gas, which, when properly confined, burns constantly. Cost of the well, $750.

The well just described is situated where the surface elevation is between 2,100 and 2,200 feet, or well below the artesian head of the Lewis artesian basin. The well is not cased, and the rise of the water to within 6 feet of the surface makes it probable that if proper tests of the water pressure should be made it would be found that a surface flow could be had by putting in proper casing.

The second well at Ontario, owned by A. F. Boyer, completed September, 1902, 3 inches in diameter, has a depth of 215 feet; water rose and overflowed. Gas is discharged with the water. Material passed through: Soil, 10 feet; gravel, 20 feet, and the balance shale. Cost, $100.

*Vale.*—A flowing well at Vale, Oreg., drilled near a hot spring to a depth of 140 feet, as already stated, discharges a strong flow of water so long as the casing is not obstructed by mineral matter deposited from it, and has a temperature of 198½° F. This well may be considered as a developed hot spring and has but little significance in reference to the artesian water supply of the basin in which it is located.

*Summary.*—The artesian wells near Guffey, Central, and Enterprise collectively present certain interesting facts. They are located essentially on a line extending northwest and southeast and measuring about 11½ miles. At the west end of the line is the hot spring at Enterprise. The depth of the wells and their temperatures are as follows, beginning at Guffey and approaching Enterprise:

*Depth and temperature of wells at Guffey, Central, and Enterprise.*

| Locality. | Distance from Enterprise hot spring. | Depth. | Temperature. | Temperature gradient. |
|---|---|---|---|---|
| | *Miles.* | *Feet.* | *Degrees F.* | |
| Guffey | 11¼ | 538 | 76½ | 18.42 |
| Central | 5 | 1,033 | 100 | 19.66 |
| Do | 4¼ | 940 | 98 | 18.54 |
| Do | 3¾ | 1,035 | 106 | 17.57 |
| Do | 3½ | 720 | 100 | 13.40 |
| Enterprise | 1 | 340 | 87 | 7.83 |
| Do | 1 | 385 | 90 | 8.37 |
| Do | 1½ | 165 | 87 | 3.10 |
| Enterprise hot spring | | | 128 | |

The temperature gradient, it will be remembered, is obtained by dividing the depth of a well below the stratum of no seasonal variation in temperature, assumed as 50 feet, by the number of degrees the temperature of the water discharged exceeds the temperature of the stratum of no seasonal variation, assumed to be 50° F. The temperature gradient, then, shows the depth in feet for each increase of 1 degree in temperature.

As is indicated in the above table, the temperature gradient in the region considered increases in a conspicuous manner as the distance from the Enterprise hot spring decreases. An exceptional increase, however, is seen in the case of the last well mentioned in the table, which, as noted above, is near a small tepid spring, and no doubt for this reason shows a more rapid increase of temperature with depth than any of the others. Not considering the well just referred to, the temperature gradient increases as the Enterprise hot spring is approached, but the rate of increase can not be accurately determined from the data available, since the wells are not cased and are not supplied from the same stratum.

The facts just presented seem to indicate that the porous beds in the Payette formation in the vicinity of Enterprise are supplied in part at least from the hot spring at that place. A legitimate conclusion seems to be that the rocks beneath the Payette formation are fissured and that hot water rising through the fissure has charged the porous beds above. Whether there is a deep artesian basin beneath the Payette formation or not there are no data for judging. In general, however, hot springs rise through deep fissures and are probably in most cases not an indication of the presence of a true artesian basin. As has already been stated, the Lewis artesian basin was formed by a bending of the rocks after the Payette beds were laid

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IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A57-04032
Date Received: 10/25/1988
Receipt No: W001197
Received By: EJR

**AMENDED** **NOTICE OF CLAIM TO A WATER RIGHT ACQUIRED UNDER STATE LAW** **AMENDED**

1. Name: ELIZABETH CUFF 208-495-2437
   Address: HC 79 BOX 103
   MELBA, ID 83641

2. Date of Priority: JUL 01, 1881

3. Source: SPRING Trib. to: SNAKE RIVER

4. Point of Diversion:

| Township | Range | Section | 1/4 of 1/4 of 1/4 | Lot | County |
|---|---|---|---|---|---|
| 01N | 03W | 21 | NW NW | | OWYHEE |

5. Description of diverting works:
   GRAVITY FLOW

6. Water is used for the following purposes:

| Purpose | From | To | C.F.S | (or) | A.F.A. |
|---|---|---|---|---|---|
| COMMERCIAL | 01/01 | 12/31 | 1.100 | | |
| IRRIGATION | 04/01 | 11/01 | 0.100 | | |
| HEATING | 01/01 | 12/31 | 0.040 | | |

7. Total Quantity Appropriated is:
   1.100 C.F.S. (and/or) A.F.A.

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
   C/SWIMMING POOL & MINERAL BATHS: D/HEATING FOR FURNACE,HOT WATER

10. Place of Use:

| Township | Range | Section | 1/4 of 1/4 | Lot | Use | Acres |
|---|---|---|---|---|---|---|
| 01N | 03W | 16 | SW SW | | COMMER | |



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10. Place of Use: Continued

| Township | Range | Section | 1/4 of 1/4 | | Lot | Use | Acres |
|---|---|---|---|---|---|---|---|
| 01N | 03W | 16 | SE | SW | | COMMER | |
| | | | SE | SW | | IRR | 2.5 |
| | | | | | Section Acres | | 2.5 |
| | | 21 | NE | NW | | COMMER | |
| | | | NE | NW | | IRR | 2.5 |
| | | | NW | NW | | COMMER | |
| | | | | | Section Acres | | 2.5 |
| | | | | | Total Acres | | 5.0 |

11. Place of use in counties: OWYHEE

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
NONE

14. Remarks:
THIS CLAIM INCLUDES IRRIGATION OF 5 ACRE PICNIC AREA FOR RV PARK, HEATING OF HOT WATER FOR BLDGS. BATHHOUSE, CLEANING OF UNITS, HOT WATER FURNACE FOR BATH HOUSE, FOUNTAIN, AND 90,000 GAL. SWIMMING POOL WHICH ALSO HEATS UNIT SWIMMING POOL IS HOUSED IN. STATUATORY CLAIM LISTED COMMERCIAL PURPOSE WHICH INCLUDED ALL OF THE ABOVE MENTIONED USES. ELR.

15. Basis of Claim: STATUTORY CLAIM



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16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do ____ do not ____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

**For Individuals:**

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): Elizabeth L Engh Date: 2-7-89

_____ Date: _____

State of Idaho )
) SS.
County of Ada )

Subscribed and sworn (or affirmed) before me this 7th day of Feb 1989

Elden J Pengh
Notary Public

Seal

Residing at Boise

My Commission Expires 09/08/1989



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OCT 07 1992


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2718
2722
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BM
2266

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A57-04032
Date Received: 10/25/1988
Receipt No: W001197
Received By: EBR

**NOTICE OF CLAIM TO A WATER RIGHT**
**ACQUIRED UNDER STATE LAW**

1. Name: ELIZABETH CUFF 208-495-2437
   Address: HC 79 BOX 103
   MELBA, ID 83641

2. Date of Priority: JUL 01, 1881

3. Source: SPRING Trib. to: SNAKE RIVER

4. Point of Diversion:

| Township | Range | Section | 1/4 of 1/4 of 1/4 | Lot | County |
|---|---|---|---|---|---|
| 01N | 03W | 21 | NW NW | | OWYHEE |

5. Description of diverting works:
   GRAVITY FLOW

6. Water is used for the following purposes:

| Purpose | From | To | C.F.S | (or) | A.F.A. |
|---|---|---|---|---|---|
| COMMERCIAL | 01/01 | 12/31 | 1.100 | | |

7. Total Quantity Appropriated is:
   1.100 C.F.S. (and/or) A.F.A.

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
   C/SWIMMING POOL & MINERAL BATHS

10. Place of Use:

| Township | Range | Section | 1/4 of 1/4 | Lot | Use | Acres |
|---|---|---|---|---|---|---|
| 01N | 03W | 16 | SW SW | | COMMER | |
| | | | SE SW | | COMMER | |
| | | 21 | NE NW | | COMMER | |



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10. Place of Use: Continued

| Township | Range | Section | 1/4 of 1/4 | | Lot | Use | Acres |
|---|---|---|---|---|---|---|---|
| 01N | 03W | 21 | NW | NW | | COMMER | |

11. Place of use in counties: OWYHEE

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
NONE

14. Remarks:

15. Basis of Claim: STATUTORY CLAIM



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16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do X do not ____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

**For Individuals:**

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): X Elizabeth L Ball Date: X 10-25-88

_____ Date: _____

State of Idaho )
) SS.
County of Ada )

Subscribed and sworn (or affirmed) before me this 25 day of Oct 19 88

Elden J Rowe
Notary Public

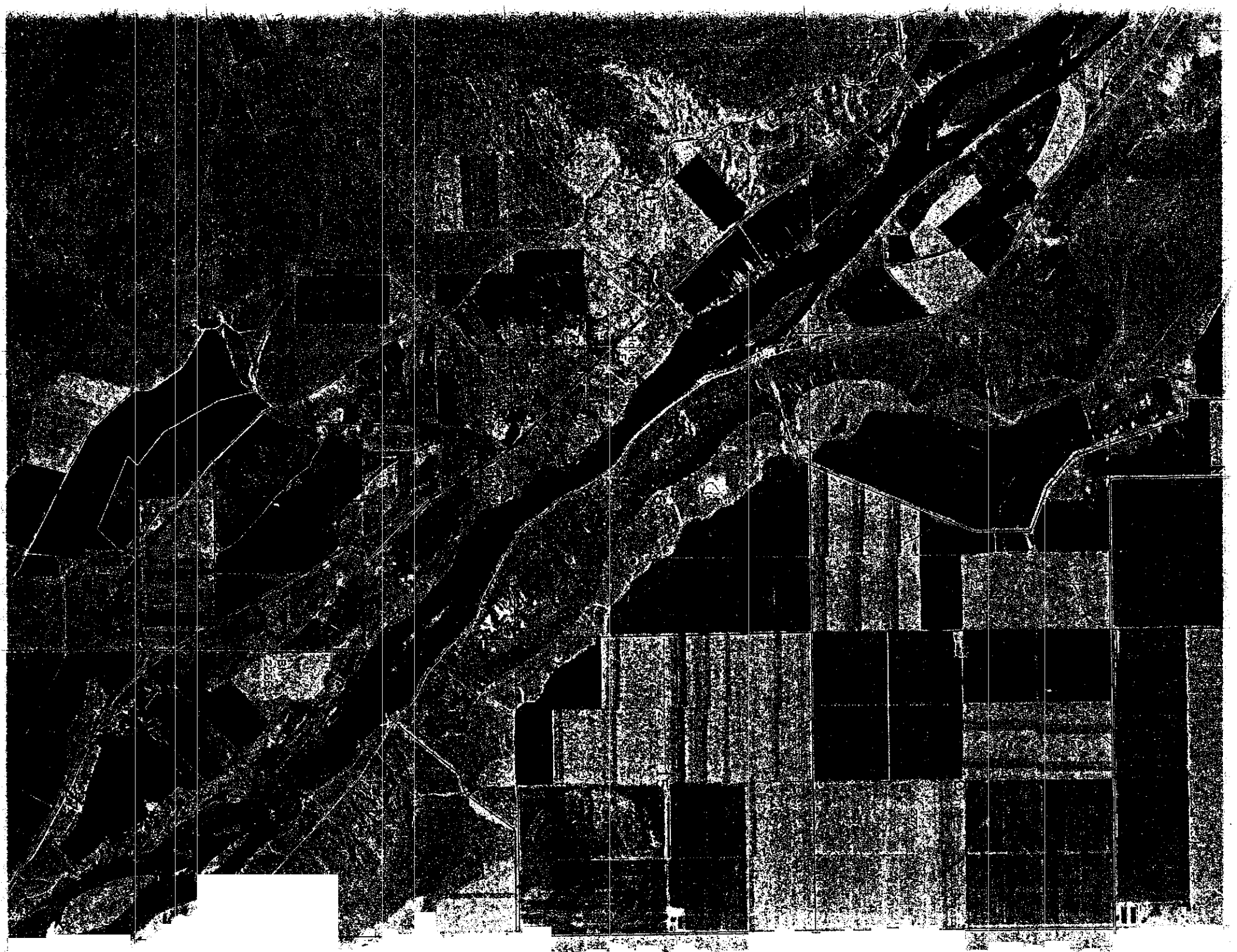
Seal

Residing at Boise

My Commission Expires 09/08/1992



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OCT 07 1992



Form No. 243
Claim No. 57-4032-AMENDED

# STATE OF IDAHO
# DEPARTMENT OF WATER RESOURCES

AMENDED

## CLAIM TO A WATER RIGHT

AMENDED

Under the provisions of Section 42-243, Idaho Code, any person using or claiming right to the public water of Idaho established by diversion and application to a beneficial use must file a claim with the Department of Water Resources on or before June 30, 1983. Exempted from this filing are single family domestic uses as defined in Section 42-230(d) Idaho Code. Also exempted are rights represented by a permit, license, decree, adjudicated right or previously filed claim.

The filing of this claim does not confirm the water right claimed but failure to file may result in forfeiture of a water right.

Notice is hereby given that Shirley Marsh (Name of Claimant)

910 Everett St., Caldwell, ID 83605 (Mailing Address) (Zip Code) Telephone No. 454-9416

claims a right to the diversion and beneficial use of the surface or ground water. The extent and nature of said claim is as follows:

(1) Date of priority: (When was the water first applied to a beneficial use) 7/1/1881

A claim is not acceptable on a ground water source with a priority later than March 28, 1963 or on a surface water source with a priority later than May 20, 1971. An exception is that a claim may be filed on single family domestic use from a ground water source.

(2) Describe the source of water; (Name of stream, lake, spring, etc., or ground water) Spring tributary to Snake River

(3) Describe the purpose for which the water has been used and the time during the year when you have used the right claimed:

| | (cfs. or af) | (Domestic, Irrigation, Stock, Etc.) | (Both dates inclusive) (Mo., Day) | | (Mo., Day) |
|---|---|---|---|---|---|
| Quantity | 1.1 | Use commercial | Period of Use From 1/1 | To | 12/31 |
| Quantity | | Use | Period of Use From | To | |
| Quantity | | Use | Period of Use From | To | |
| Quantity | | Use | Period of Use From | To | |
| Quantity | | Use | Period of Use From | To | |

(4) 1.1 (cfs. or af) TOTAL QUANTITY USED.

(5) A) Point of diversion: (Location of point where water is diverted from its source)
NW ¼ NW ¼, Sec. 21 Twp. 1N Rge. 3W B.M., County of Owyhee
Additional points of diversion:

B) Describe means of diversion of water: (Pump and pipeline, well, diversion dam, reservoir, length of ditch and field, etc.). Give sizes and capacities: be as specific as possible. Describe any changes in the system and give the date of the change. Gravity flow to place of use

(6) A) Describe location of use by listing number of irrigated acres within each 40-acre tract in appropriate box. If use is not for irrigation, place an "X" in appropriate box to show location.

| T | R | SEC. | NE¼ | | | | NW¼ | | | | SW¼ | | | | SE¼ | | | | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | |
| 1N | 3W | 16 | | | | | | | | | | | C | C | | | | | |
| | | 21 | | | | | C | C | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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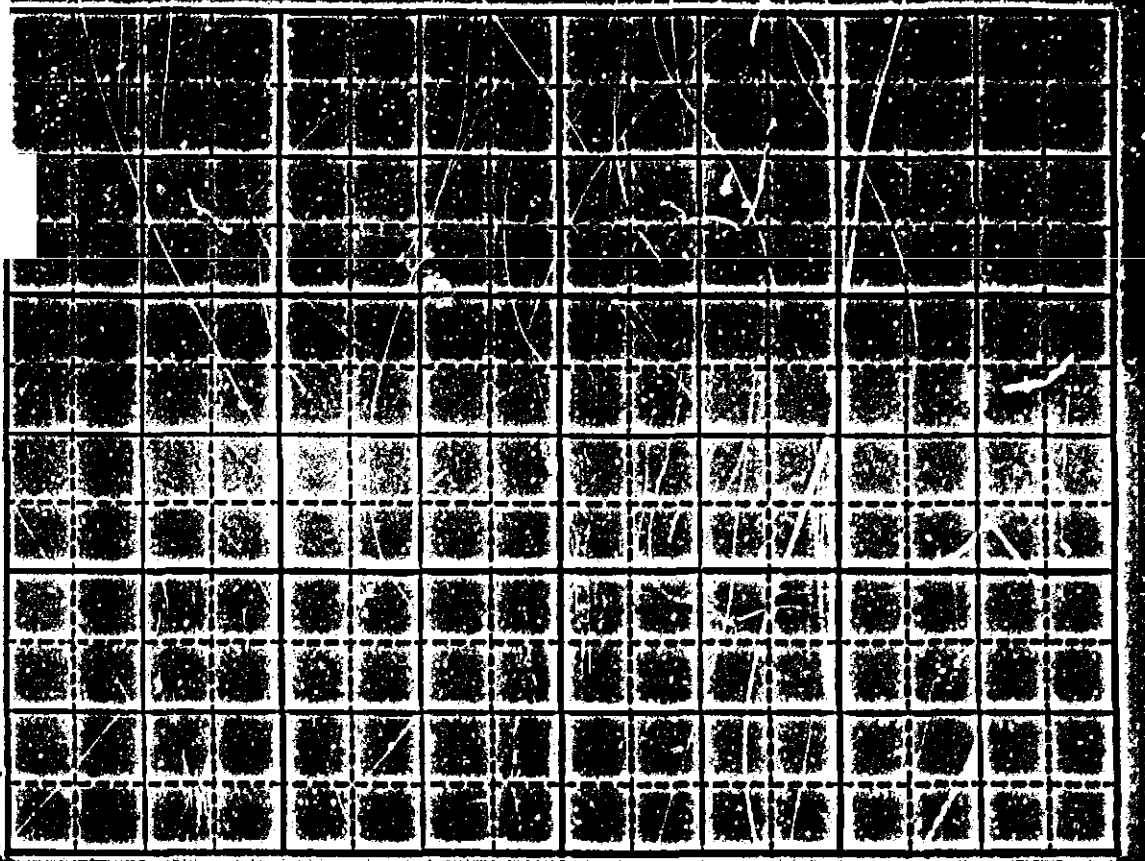
No. of acres

B) If water is used for other than irrigation, fully describe that use, being as specific as possible:
Used for swimming pool and mineral baths

NOTE: Include here the type and number of stock watered:

(7) If you are claiming water as a member of an organization, list name of organization:

This amended claim better defines the location of place of use based on survey data.



Scale: 2 inches equal 1 mile

Map should show the location of the point of diversion and the place of use of the water by 40-acre subdivisions, section, township and range of the public land survey system.

State of Idaho )
County of CANYON )

Be it known that the undersigned, being duly sworn, deposes and says that he, she, they subscribed the foregoing claim to a water right, together with all attached information, and that the matters and facts therein are true to the best of the affiant's knowledge.

Shirley F. Marsh
(Claimant)

Sworn to before me this 1st day of April, 1986.

Notary Public
Residing at Caldwell

My commission expires August 21, 1990

FOR DEPARTMENT USE ONLY

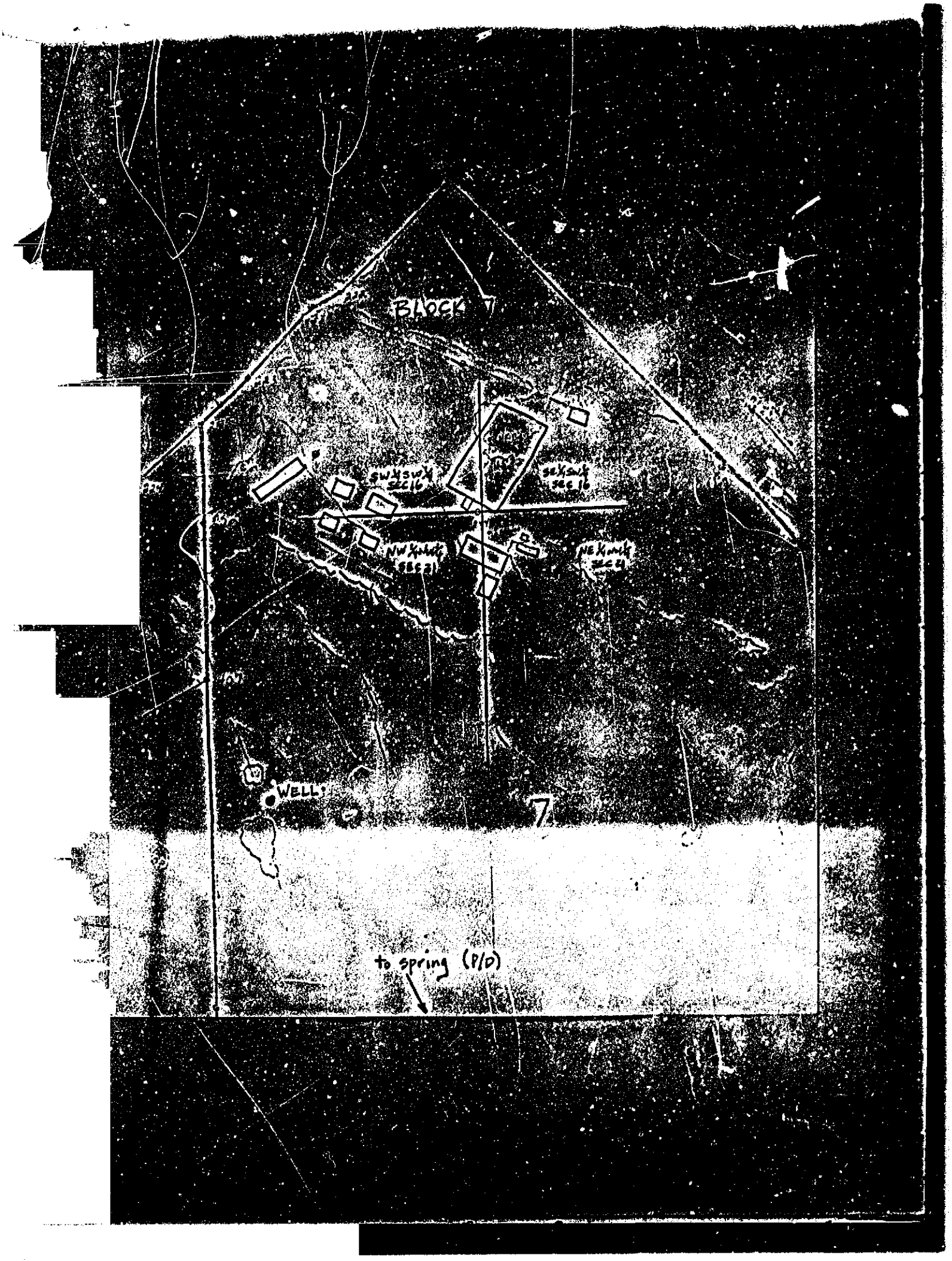
Received by [illegible] Date 4-2-86 Exception filed by: Fowarded to claimant by: Date

Prelim. check by [illegible] Date 4-7-86 AMENDED

$20.00 fee received by [illegible] Date [illegible]

Published in Owyhee Chronicle

Dates 4/16 & 4/23/86


BLOCK
SW¼SW¼ SEC 16
SE¼SW¼ SEC 16
NW¼NW¼ SEC 21
NE¼NW¼ SEC 21
WELL
7
to spring (P/D)

Water Right Number - 57-04032 Adj. Flag Translation: Standard Water Right Number Old (D) Number -

| Last Name | First Name | Address |
|---|---|---|
| *** C - CURRENT OWNER *** MARSH | SHIRLEY | 1 - 1910 EVERETT ST.<br>2 -<br>3 -<br>City- CALDWELL State- ID Zip- 836050000<br>Phone - |

| Priority Date | Region | Stage | Status |
|---|---|---|---|
| 07/01/1881 | 14 | S - STATUTORY CLAIM | |

| Source | Tributary |
|---|---|
| SPRING | SNAKE RIVER |

Point of Diversion

| Twn | Rng | Sec | Tract | Lot | RFlg | County | Stream Index (Blank if no Index Code) |
|---|---|---|---|---|---|---|---|
| 01N | 03W | 21 | NW NW | | | (73) OWYHEE | |

Water Use

| Code | Description | Period From | Period To | Diversion Rate | Diversion Volume |
|---|---|---|---|---|---|
| 10 | COMMERCIAL | 01/01 | 12/31 | 1.100 | |

| Total Div. Rate | Total Div. Volume | Total Div. Capacity | Total Consumptive Use | KW Usage |
|---|---|---|---|---|
| 1.100 | | | | |

Place of Use

| Twn | Rng | Sec | Tract | Lot | Acres | Code | Description | County |
|---|---|---|---|---|---|---|---|---|
| 01N | 03W | 16 | SW SW | | | 10 | COMMERCIAL | (73 ) OWYHEE |
| 01N | 03W | 16 | SE SW | | | 10 | COMMERCIAL | (73 ) OWYHEE |
| 01N | 03W | 21 | NE NW | | | 10 | COMMERCIAL | (73 ) OWYHEE |
| 01N | 03W | 21 | NW NW | | | 10 | COMMERCIAL | (73 ) OWYHEE |

Total Acres:

Diversion Means - GRAVITY FLOW

Non-Irrigation Use - C/SWIMMING POOL & MINERAL BATHS

Other Rights for Same Use -

Remarks

No Remarks found.

Old Water Right Numbers

No Old Water Right Numbers found.

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Water right number - 57-04032 Adj. flag translation: Standard Water Right Number

Conditions of Approval

No Conditions of Approval found.

| Decree Plaintiff | Decree Defendant | Decree Date |
|---|---|---|
| | | 00/00/0000 |

Audit Fields - 04/10/86 05/01/88 CONVERT

Water Rights Dates and Flags Area

| | | | | | |
|---|---|---|---|---|---|
| Proof Due Date | - 00/00/0000 | Field Exam Made | - 00/00/0000 | Field Exam Fee | - |
| Approved/Denied | - 00/00/0000 | Protested Date | - 00/00/0000 | Swan Falls | - |
| Proof Made Date | - 00/00/0000 | Hearing Date | - 00/00/0000 | Temporary Right | - P |
| Start Work Date | - 00/00/0000 | Verified Date | - 00/00/0000 | DLE/Carey Act | - |
| Order Show Cause | - 00/00/0000 | Receipt Number | - | Water District | - |
| Licensed Date | - 00/00/0000 | Appl Received | - 00/00/0000 | Transfer/Amended | - |
| Decree Date | - 00/00/0000 | Presumption Flag | - | | |
| | | | | Microfilm Roll Number | - |

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