

2N4W Sec 14



QUADRANGLE LOCATION

MAILED

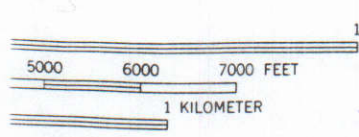
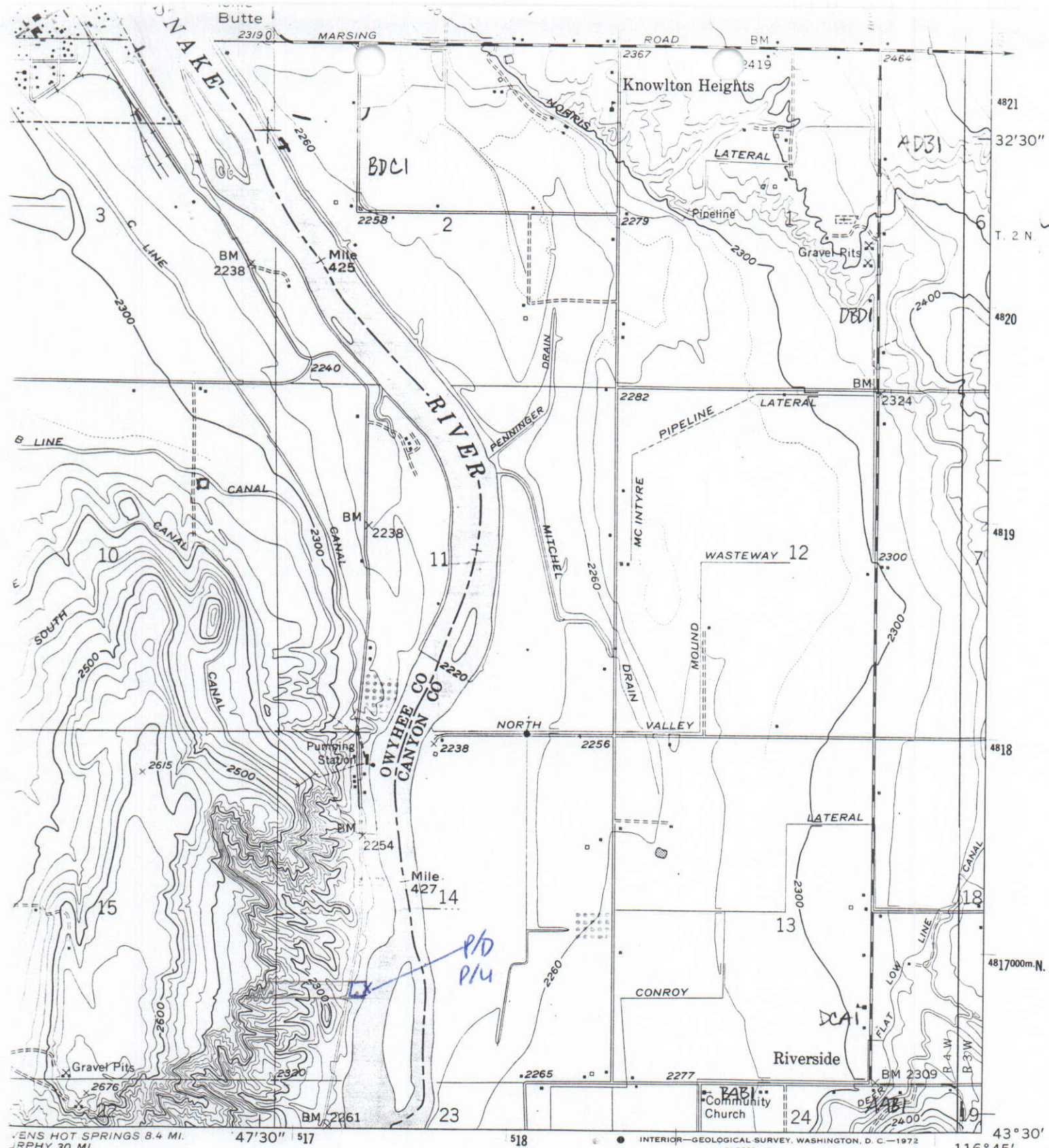
AUG 30 1993

MARSING, IDA
N4330-W11645/7.

PHOTO REPRODUCED 197
ADVANCE PRINT

NATIONAL MAP ACCURACY STANDARDS
AL SURVEY, MENLO PARK, CALIF. 94025

aps Can Be Obtained
e Print Boise Idaho



ROAD CLASSIFICATION

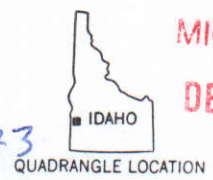
Medium-duty ——— Light-duty ———

Unimproved dirt =====

U. S. Route ○ State Route

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DEC 29 1998



MARSING, IDAHO

N4330—W11645/7.5

GRAPHIC STANDARDS

80225, OR WASHINGTON, D. C. 20242

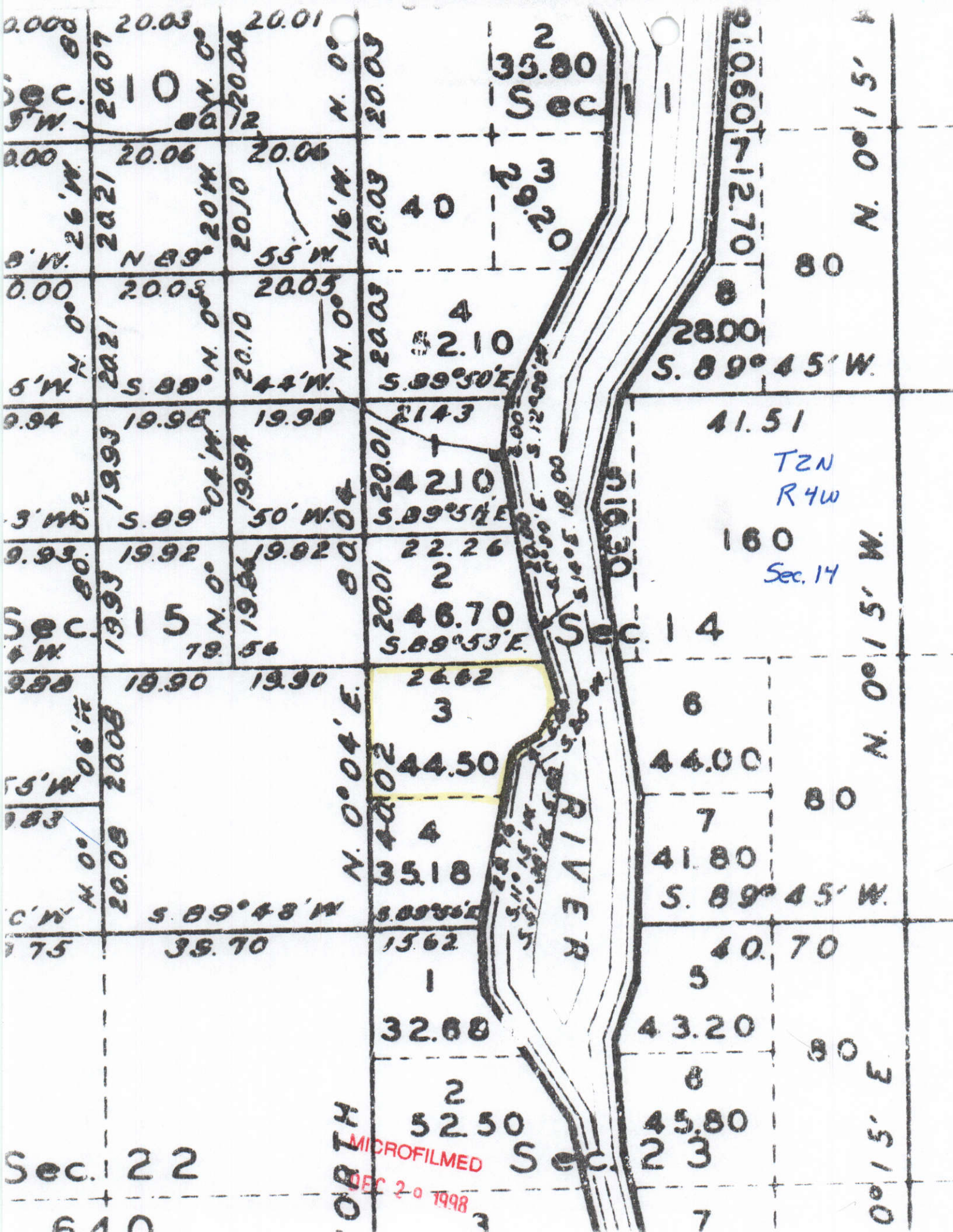
IS AVAILABLE ON REQUEST

1958

PHOTOREVISED 1971

AMS 9671 III SE SERIES V002

(GIVENS HOT 2670 NW)





2 HP pump

Location for
pump
(submerged
due to high
water)



P/u

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DEC 29 1998

THE OWYHEE AVALANCHE

P.O. BOX 97 • HOMEDALE, ID 83628 • 208/337-4681

AFFIDAVIT OF PUBLICATION

RECEIVED

AUG 02 1993

STATE OF IDAHO)
)ss
COUNTY OF OWYHEE)

Department of Water Resources
Western Regional Office

I, Joe E. Aman, being first duly sworn, depose and say:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was and now over the age of twenty-one years, not a party to nor interested in the proceedings hereinafter mentioned.

2. That during the time of the publication of the notice hereinafter mentioned, I was and now am the publisher of **The Owyhee Avalanche**, a newspaper of general circulation printed and published weekly, on Wednesday of each and every week, in the City of Homedale, County of Owyhee and State of Idaho.

3. That the said **The Owyhee Avalanche** has been printed and published continuously and uninterruptedly in said County during a period of more than seventy-eight weeks prior to the first publication of the attached notice.

4. That said notice of which a printed copy, taken from said newspaper, is hereto affixed, was published in the regular issue thereof, and not a supplement thereto, in said

newspaper, in

2 (two)

(consecutive) calendar weekly issue(s) of said newspaper, in the following date(s):

July 7 and 14, 1993

Signed

Joe E. Aman

Subscribed and sworn to before me this 14th day of July A.D., 1993

Conrad Bowling

Notary Public in and for the State of Idaho
Residing at Homedale, Idaho
Commission expires October 1997

AUG 30 1993

NOTICE OF APPLICATION FOR WATER RIGHT

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:

02-07455

ALDRICH, ROBERT
3772 CAN-ADA RD
NAMPA, ID 83687
Source: SNAKE RIVER
Tributary: COLUMBIA RIVER
Diverson Pt: LOT 3
(SENWSW) Sec 14 T 02N R
04W in OWYHEE County.
LOT 4 (NESWSW) Sec 14 T
02N R 04W in OWYHEE
County.

Use: IRRIGATION (.060 CFS)
Total Diverson: (.060 CFS)
Date Filed: 6/16/1993
In: OWYHEE County
T02N R04W S14 Lot 3
(NWSW) Lot 4 (SWSW)
2.0 ACRES TOTAL

02-07456

BRINGHAM, DALE G
BRINGHAM, MARIAN
RR1 BOX 796 1/2
MARSING, ID 83639
Source: SNAKE RIVER
Tributary: COLUMBIA RIVER
Diverson Pt: LOT 3 (NESW)
Sec 14 T 02N R 04W in
OWYHEE County.

Use: IRRIGATION (.150 CFS)
WILDLIFE (.150 CFS)
Total Diverson: (.150 CFS)
Date Filed: 6/22/1993
In: OWYHEE County
T02N R04W S14 Lot 3
(NESW)
5.0 ACRES TOTAL

02-07457

SCHERMERHORN, RON D
SCHERMERHORN, JOYCE E
HC79 BOX 103F
MELBA, ID 83641
Source: SNAKE RIVER
Tributary: COLUMBIA RIVER
Diverson Pt: NWSW Sec 16 T
01N R 03W in OWYHEE
County.

Use: IRRIGATION (.090 CFS)
RECREATION (.020 CFS)
RECREATION STORAGE
(6.00 AF)
AESTHETIC (.020 CFS)
AESTHETIC STORAGE (6.00
AF)

DIVERSION TO STORAGE
(.090 CFS)
Total Diverson: (.110 CFS)
Date Filed: 6/7/1993
In: OWYHEE County
T01N R03W S16 Lot 2
(NWSW)
3.0 ACRES TOTAL

55-07439

DAVIS, MILTON
1712 MAPLE ST
CALDWELL, ID 83605
Source: JORDAN CREEK
Tributary: OWYHEE RIVER
Diverson Pt: NWNE Sec 35 T
04S R04W in OWYHEE
County.

NENW Sec 35 T 04S R 04W
in OWYHEE County.
Use: MINING (.200 CFS)
Total Diverson (.200 CFS)
Date Filed: 6/24/1993
In: OWYHEE County
T04S R04W S26 SESW
SWSE

S35 NWNE NENW
Permits will be subject to
all prior water rights.
Protests may be submitted
based on the criteria of Sec.
42-203A, Idaho Code.
Protests must be filed with
the Director, Dept. of Water
Resources, Western Region,
2735 Airport Way, Boise,
Idaho 83705 on or before
JULY 26, 1993.

R. KEITH HIGGINSON,
Director

Publish July 7 & 14, 1993

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 02-07455

Priority: July 4, 1993

Maximum Diversion Rate:

0.02 CFS

Maximum Diversion Volume:

2.3 AF

This is to certify, that ROBERT ALDRICH

RT 1 BOX 796 1/4

MARSING ID 83639

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated June 16, 1993; and has submitted Proof of Beneficial Use on August 19, 1996. An examination indicates that the works have a diversion capacity of 0.110 cfs of water from:

SNAKE RIVER

tributary to **COLUMBIA RIVER**

source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.02 CFS	2.3 AF

LOCATION OF POINT(S) OF DIVERSION: Lot 3(NESW), Sec. 14, Township 02N, Range 04W
OWYHEE County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
02N	04W	14	Lot 3(NESW)	0.5		0.5

Total number of acres irrigated: 0.5

CONDITIONS OF APPROVAL AND REMARKS

1. This right when combined with all other rights shall provide no more than 0.02 cfs nor more than 2.3 afa at the field headgate for irrigation of the land described above.
2. Water shall not be diverted under this right when flows in the Snake River are below established minimum flow amounts at any of the following locations: Weiser, 4750 cfs; Johnson Bar, 5000 cfs; Lime Point 13,000 cfs.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be administered in accordance with Idaho law and applicable rules of the Department of Water Resources. Signed and sealed this 30TH day of NOVEMBER, 1998.

MICROFILMED

DEC 24 1998

Acting for

KARL J. DREHER, Director

IN THE MATTER OF PERMIT NO. 02-07455)
)
) **ORDER OF**
IN THE NAME OF ROBERT ALDRICH) **REINSTATEMENT**
)

001 3 2 1996

RECEIVED

AUG 19 1996

Department of Water Resources

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 02-07455 Telephone No. 208 896 4927

2. Name(s) of Permit Holder(s): ROBERT Aldrich

3. Mailing Address: Rt 1 Box 796 1/4 MARSING, IDAHO 83639

4. Source of Water: Snake River If **GROUNDWATER** (well), Date Drilled: mo. / yr.

a. Well Driller: Drilling Permit Number:

b. **OPTIONAL:**
Pump Horsepower: 2 Pressure (psi): Dynamic pumping level (ft):

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): Stockwater (No. and type of stock):

Irrigation (No. of acres): 2 Other:

6. Total rate of diversion and/or volume for which proof is submitted: 0.06 cfs OR acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device:	Is a measuring device required?	Yes <u> </u>	or	No <u>✓</u>
	Has the measuring device been installed?	Yes <u> </u>	or	No <u> </u>
Flow Measurement Port:	Is a flow measurement port required?	Yes <u> </u>	or	No <u> </u>
	Has the measurement port been installed?	Yes <u> </u>	or	No <u> </u>

8. Fee Enclosed: \$ 50.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: ROBERT or CHRIS Aldrich Telephone Number: 208 896 4927

Address: Rt 1 Box 796 1/4 MARSING ID. (3mi SO of MARSING on Old Brunson Hg

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Robert Aldrich Date: 8/16/96
(include your title, if on behalf of company or organization)

OCT 3 1996

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 02-07455

Proposed Priority: June 16, 1993 Maximum Diversion Rate: 0.06 CFS

This is to certify, that **ROBERT ALDRICH**
3772 CAN-ADA RD
NAMPA ID 83687

has applied for a permit to appropriate water from:

SNAKE RIVER

tributary of **COLUMBIA RIVER**

and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

IRRIGATION

03/15 to 11/15

0.06 CFS

LOCATION OF POINT(S) OF DIVERSION: Lot 3(SENWSW), Sec. 14, Township 02N, Range 04W
Lot 4(NESWSW), Sec. 14, Township 02N, Range 04W
OWYHEE County

PLACE OF USE: IRRIGATION

TWN RGE SEC

ACRES

ACRES

ACRES

TOTAL

02N 04W 14

Lot 3(NWSW) 1

Lot 4(SWSW) 1

2

Total number of acres irrigated:

2

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **August 1, 1996**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. Water shall not be diverted under this right unless the flow of the Snake River exceeds prior rights and established downstream minimum stream flows.
5. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.03 cubic feet per second for each acre of land.
6. Single point of diversion located on or near line between Lot 3 and Lot 4, S14, T02N, R04W.

APPROVED

JUN 20 1993

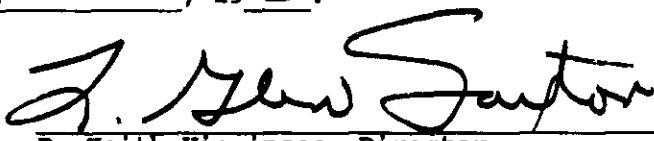
State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 02-07455

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

23 day of August, 1993.

for 
R. Keith Higginson, Director

1993

RECEIVED
AUG 06 1993

Ident. No. 02-07455

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: ROBERT ALDRICH 208-286-7139
Address: 3772 CAN-ADA RD
NAMPA ID 83687
2. Source: SNAKE RIVER Trib. to: COLUMBIA RIVER
3. Location of Point of Diversion: Lot 3 (SENWSW), Sec. 14, Township 02N, Range 04W
Lot 4 (NESWSW), Sec. 14, Township 02N, Range 04W
OWYHEE County
4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AF
IRRIGATION	03/15	11/15	0.060		
5. Total quantity to be appropriated is:
0.060 CFS (and/or) AF
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc.
PUMP, PIPELINE
 - b. Height of storage dam feet; active reservoir capacity
acre-feet; total reservoir capacity acre-feet; period of
year when water will be diverted to storage: to inclusive.
 - c. Proposed well diameter is inches; proposed depth of well is
feet.
 - d. Is groundwater with a temperature greater than 85F being sought? NO
7. Time required for the completion of the works and application of
the water to the proposed beneficial use is 3 year(s).
8. Place of Use: IRRIGATION

TWN	RGE	SEC	ACRES	ACRES	ACRES	TOTAL
02N	04W	14	Lot 3 (NWSW) 1	Lot 4 (SWSW) 1		2

Total number of acres irrigated: 2

AUG 20 1993

9. a. Who owns the property at the point of diversion?
APPLICANT
b. Who owns the land to be irrigated or place of use?
APPLICANT
c. If the property is owned by a person other than the applicant,
describe the arrangement enabling the applicant to make this filing.

10. Remarks:

Single point of diversion on or near tract line between Lot 3
and Lot 4.

11. Map of proposed point of diversion and place of use attached? ☒

BE IT KNOWN that the undersigned hereby makes application for permit to
appropriate the public waters of the State of Idaho as herein set forth.

X Robert L. Abshire
Applicant

Received by GJH Date 6/16/93 Time 1100 Preliminary check by G

Fee \$ 30- Receipted by GJH # W016398 Date 6/16/93

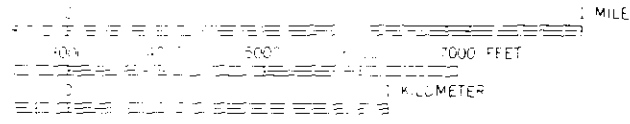
Publication prepared by st Date 6-29-93 Published in Owyhee Avalanche

Publication approved st Date 8-3-93

APPROVED
AUG 30 1993

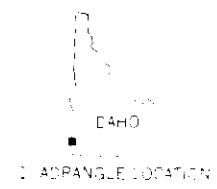


ALE 1 24000



2N 4W Sec 14

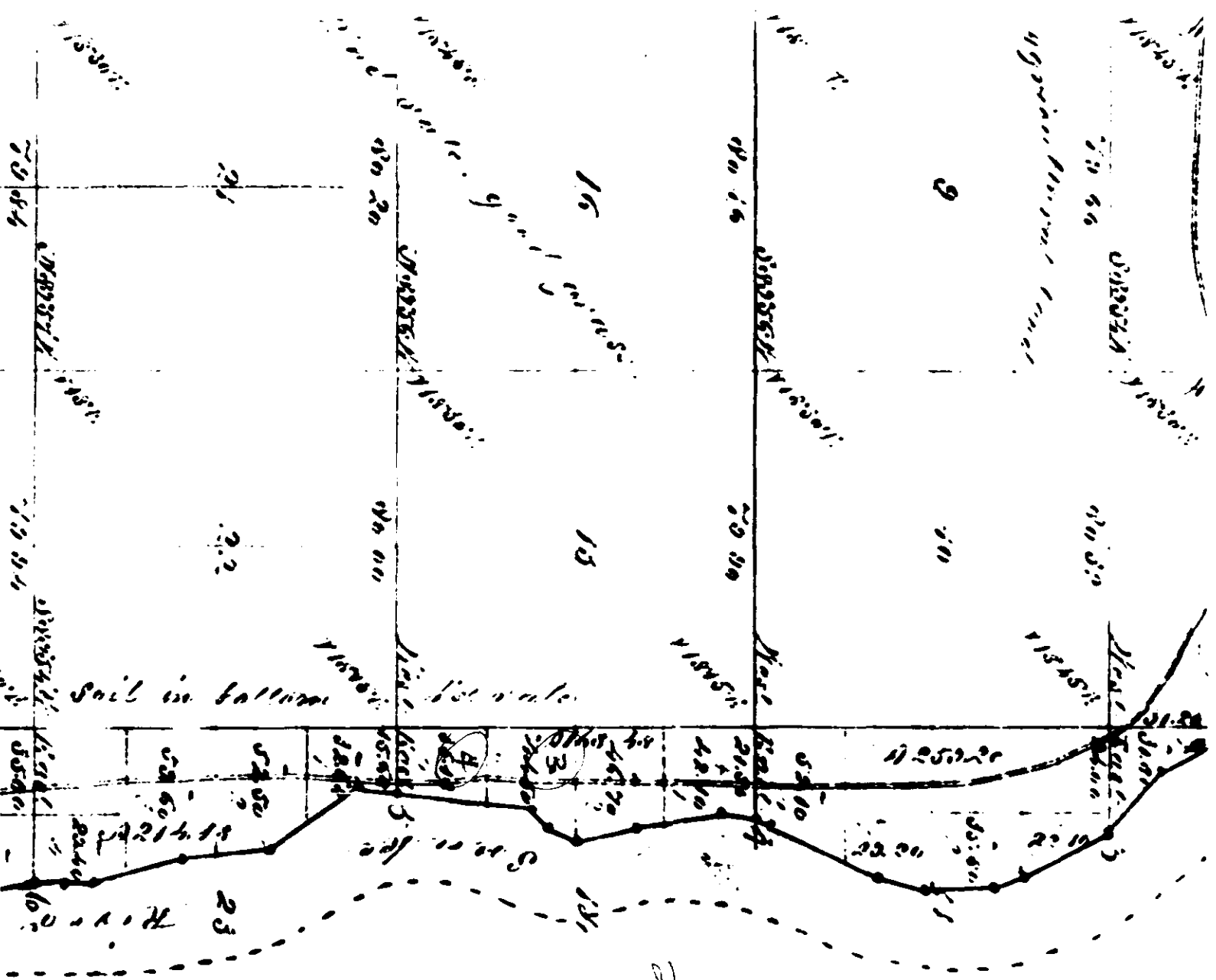
NATIONAL MAP ACCURACY STANDARDS
AL SURVEY, MENLO PARK, CALIF. 94025



MARSING, IDA
N4330-W11645.7

aps Can Be Obtained
a Print. Epics. Adles

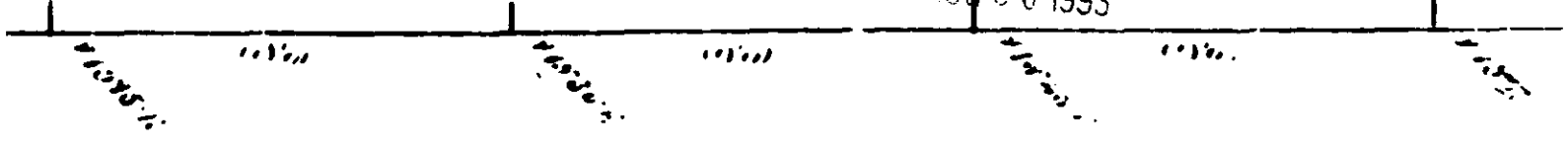
PHOTOREPROD 1978
ADVANCE PRI



Deep trench, which, however,

RECEIVED

AUG 30 1993





State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

December 1, 1998

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

ROBERT ALDRICH
RT 1 BOX 796 1/4
MARSING ID 83639

RE: WATER RIGHT NO. 02-07455

Dear Water Right Holder(s):

The Department of Water Resources (the Department) has issued the enclosed license confirming that a water right has been established in accordance with the permit referenced above. The license is a preliminary order issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department unless a party petitions for reconsideration or files an exception and/or brief as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the Department within fourteen (14) days of the service date of this order. The Department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See section 67-5243(3), Idaho Code.

EXCEPTIONS AND BRIEFS

Within twenty-one (21) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding. Otherwise, this preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to this preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

ORAL ARGUMENT

If the Department grants a petition to review the preliminary order, the Department shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Department in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Department will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Department may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The Department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

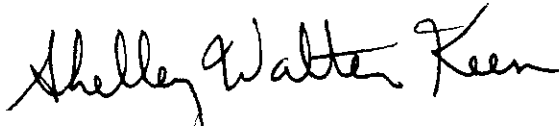
Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

If you have any questions, please call me at 208-327-7946.

Sincerely,

A handwritten signature in cursive script that reads "Shelley W. Keen". The signature is written in dark ink and is positioned above the typed name.

Shelley W. Keen
Water Rights Supervisor

SK:klt

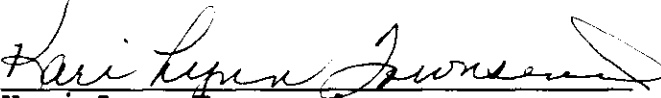
Enclosure

CERTIFICATE OF MAILING

I hereby certify that on the 1st day of December, 1998, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved License) to the person(s) listed below:

Water Right No. 02-07455

ROBERT ALDRICH
RT 1 BOX 796 1/4
MARSING ID 83639


Kari Lynn Townsend
Secretary

MICROFILMED

DEC 29 1998

MEMORANDUM

TO: File 02-07455

FROM: Sharla

DATE: November 30, 1998

RE: Recommendation Adjustment(s)

The adjustments to licensing recommendations for Permit 02-07455 are as follows:

H. RECOMMENDATIONS

Irrigation	3/15 - 11/15	0.02 cfs	2.3 afa
------------	--------------	----------	---------

The rate per acre allowed for 5 acres or less is 0.03 cfs. For .5 acres the rate calculates as $0.5 \times 0.03 = 0.015$ rounded up to 0.02 cfs.

Exam Date: July 7, 1997
Examiner: Lori Graves

MICROFILMED

DEC 29 1998

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

NOV 25 1998

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 02-07455

1. Owner: Robert Aldrich Phone No. 896-4927

Current Address: Rt 1 Box 796 1/4

2. Accompanied by: Robert EXAM DATE : 7/7/1997

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: Snake River tributary to Columbia River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: _____

2. Other water rights with the same point of diversion: _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Govt. Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
	3		NE	SW	14	2N	4W	Owyhee	USGS Quad

2. Place(s) of Use:

Indicate Method of Determination USGS Quad

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	4W	14									.5								.5
											43								

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DEC 29 1998

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.

SEE ATTACHED SHEET.

Y Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

N Aerial Photo Attached (required for irrigation of 10+ acres).

Y Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
		2	Model JHG-52HL	Sta-Rite	1B95 U27-748

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: Pump make rated at 48 GPM per company specs which supports theoretical

E. NARRATIVE/REMARKS/COMMENTS

A 2 hp pump supplies water to 1/2 acre of lawn. At the time of the exam, the pump was pulled due to high water. The irrigation system consisted of 2" pvc mainline and currently, portable sprinklers. The owner plans to install a buried system soon. The domestic well can and was being used to irrigate the lawn. No other water rights are used.

The P/U falls in the NESW qtr when the grid's SE corner is lined up with the section's SE corner. P/D and P/U are still in gov. lot 3.

Have conditions of permit approval been met? x yes no

MICROFILMED
DEC 29 1998

F. FLOW CALCULATIONS Y Additional Computation Sheets Attached

Measured Method:

Worksheet attached

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .5 \times 4.5 = 2.3$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .03 \times 246 \times 1.9835 = 14.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.3$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion		Annual Volume
	From	To	Q (cfs)	V (afa)	
Irrigation	3/15	11/15	.03		2.3
Totals:			.03		2.3

2. Recommended Amendments

☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATIONField Examiner's Name Lois Granger Date 11/20/98

Reviewer _____ Date _____

SEAL

MICROFILMED
DEC 29 1998

Pumpback Computation Spreadsheet (DRT 1/24/1995)

Data Entered By: Lori Graves
07/08/1997
Project: Flow Computation for 02-07455
Robert Aldrich
Given: See Data Table

Compute head losses with the Williams and Hazen Formula:
 $f = 0.2083 \cdot (100 / \text{roughness})^{1.85} \cdot ((\text{cfs} \cdot 448.8)^{1.852} / \text{ID}^4 \cdot 8.655 \cdot \text{Lengt})$

To Find: Compute Rate of Flow for a Pumpback System

Data Table

Vertical Lift: 21.00 feet
Nozzle Pressure: 30.00 psi
Required Head: 90.30 feet
Pump Horsepower: 2.00 horsepower

Pipe Roughness: 150.00 Note: pvc = 150, smooth and straight pipe
aluminum - joint length 20' = 125, j
30' = 130, joint length 40' = 132, j
50' = 134, new riveted steel = 100
old riveted steel = 100, old cast ir
old pipes in poor condition = 60 to

Inside Diameter in Inches	Equivalent Length in Feet	Unit Head Loss	Total Friction Head Loss from Pipe Frict
1.75	350.00	25.95	
1.00	0.00	0.00	
1.00	0.00	0.00	
			25.95

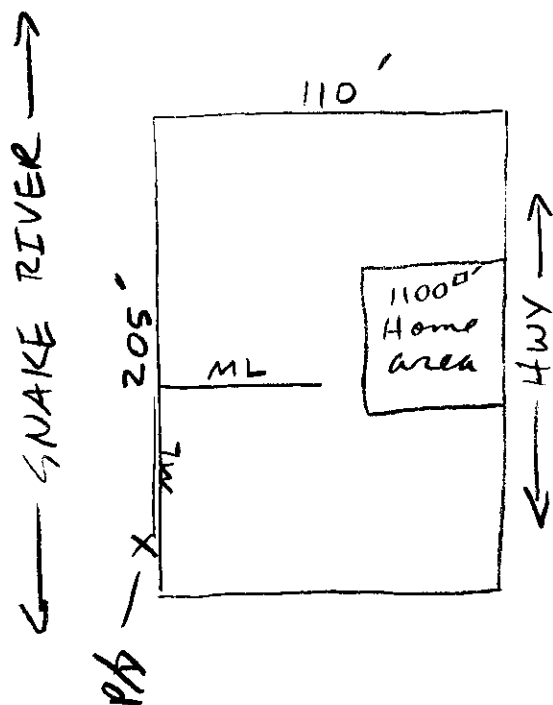
Initial Estimate of Rate of Flow: 0.100 CFS

Computation of Rate of Flow: 0.11 CFS

Solution is shown in the Computation of Rate of Flow.
Solution is obtained by entering an initial estimate of rate of flow,
and by changing this factor until it approximates as closely as possible
the Computation of Rate of Flow.

MICROFILMED

DEC 29 1998

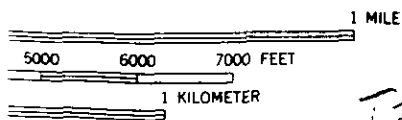
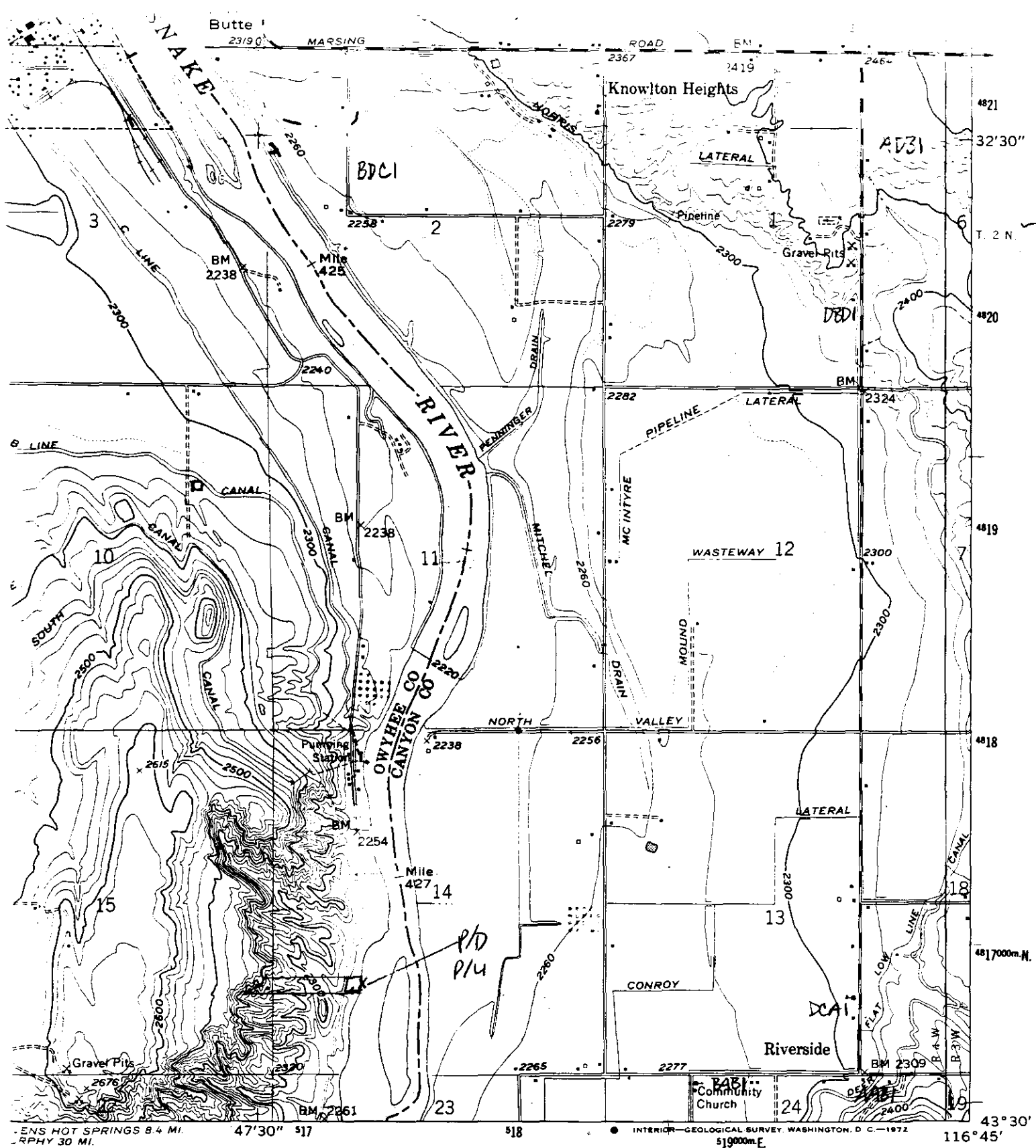


S
 E + W
 N

ML = Mainline (2")

MICROFILMED

DEC 29 1998

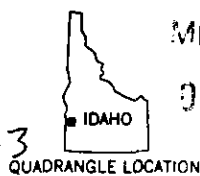


TOURS
5 FEET

TZN
R4W

SEC 14

P/D: NESW Gov 43



MICROFILMED

DEC 29 1998

U. S. Route

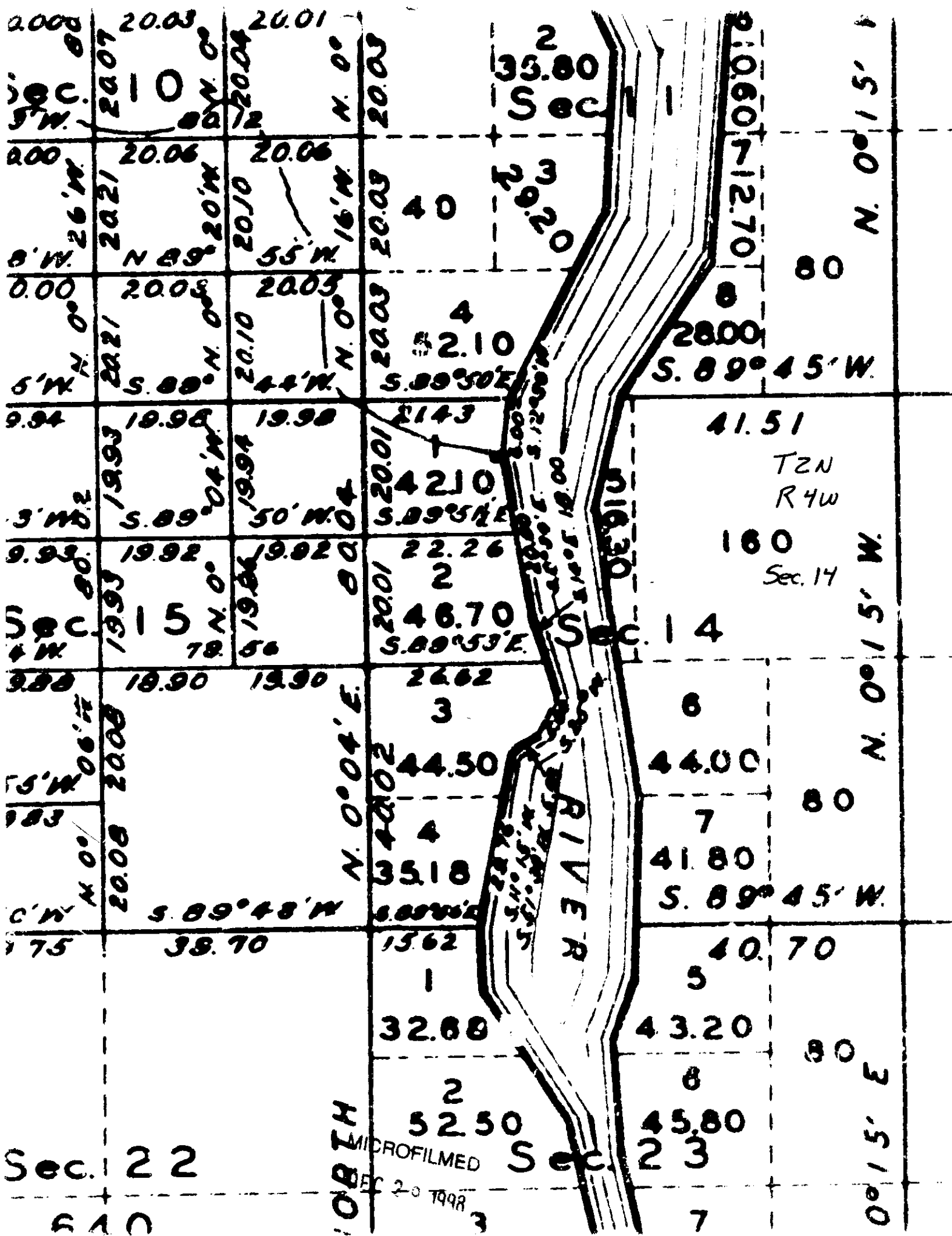
State Route

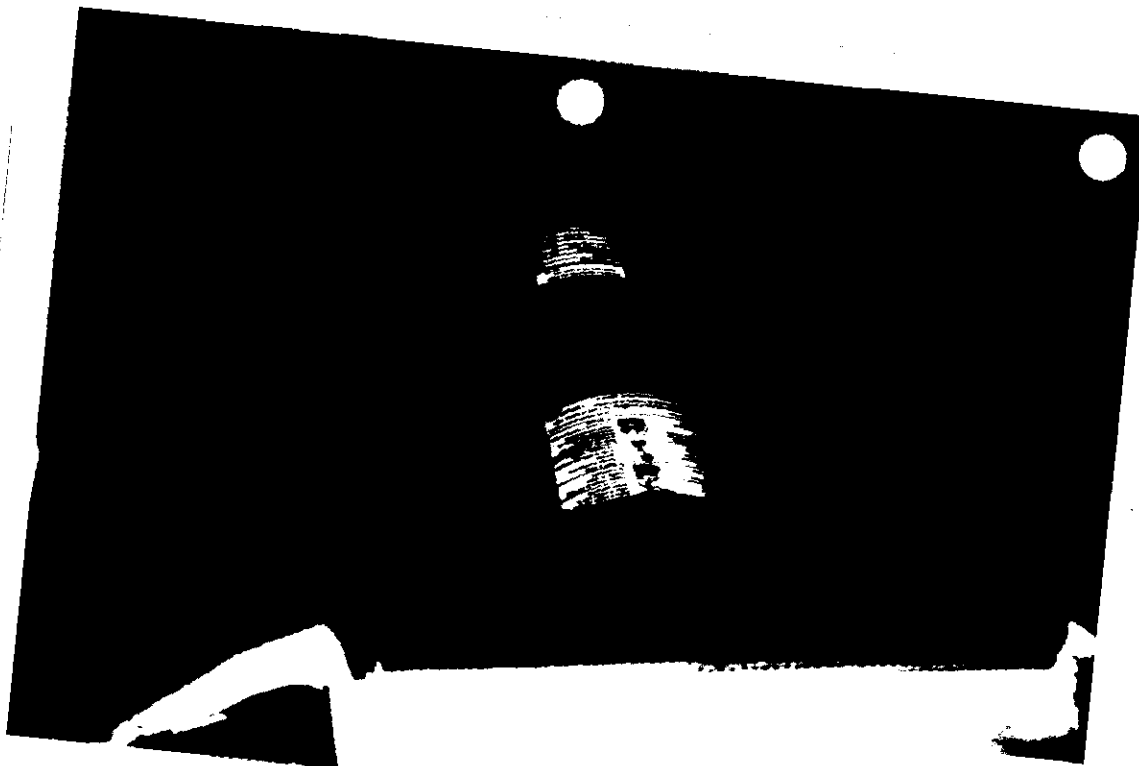
MARSING, IDAHO
N4330—W11645/7.5

1958
PHOTOREVISED 1971

AMS 2671 III SE SERIES V803

GIVENS HOT
2670 I N.





2 HP pump

Location for
pump
(submerged
due to high
water)



P/u

MICROFILMED
DEC 29 1998



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

October 7, 1996

ROBERT ALDRICH
RT 1 BOX 796¼
MARSING ID 83639

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 02-07455

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit.

Enclosed is an order reinstating your permit since proof was submitted after the proof due date of August 1, 1996. Please note that the priority date has been advanced to July 4, 1993.

Please be advised that Section 42-248, Idaho Code, which became affective on July 1, 1996, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Please contact any office of the department for the proper form to file a change of ownership of a water right and/or a change in the address of the owner. Failure to maintain current records with the department could result in the assessment of a monetary penalty.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water. If you have questions concerning the field examination, contact the **WESTERN** Regional Office in Boise at (208)334-2190.

Sincerely,

JULIE L. YARBROUGH
Senior Secretary

Enclosure

c: IDWR - Region

OCT 09 1996

WARNING

CANCELLED OR LAPSED

This permit has been officially CANCELLED or LAPSED.

Ninety days following the date of official action this file will be DESTROYED.

August 14, 1996

ROBERT ALDRICH
3772 CAN-ADA RD
NAMPA ID 83687

LAPSE NOTICE

RE: PERMIT NO. 02-07455

Dear Permit Holder:

You are hereby notified that under the provisions of Section 42-218A, Idaho Code, the above referenced permit has lapsed and is of no further force nor effect. The department provided the proper forms to you in our proof due notice dated May 31, 1996. No further construction or additional development is authorized under this permit unless it is reinstated.

The permit can only be reinstated if you submit an acceptable proof of beneficial use or an acceptable request for extension of time to the department within sixty (60) days of the mailing of this lapse notice. An acceptable proof of beneficial use submittal must include the examination fee or a completed field examination report. A request for extension of time must be accompanied by a fifty dollar (\$50.00) fee.

Enclosed again for your use are a proof of beneficial use form and a request for extension of time form. Please note that only one extension of time can be granted unless the project has not been completed because of lack of a necessary approval by a government agency or by litigation which may bring title to the water in question.

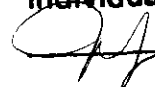
L. GLEN SAXTON
Chief, Water Allocation Bureau

Enclosures

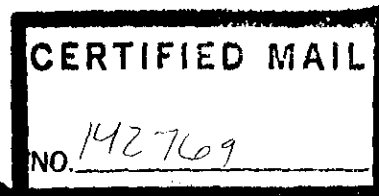
RECEIVED
OCT 09 1996

CERTIFICATION OF MAILING

I hereby certify that on 8-14-96
a copy/an original of this document was
deposited in the United States mail,
postage prepaid addressed to the
individual(s) named above.



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
1/ North Orchard Street
Boise, Idaho 83706-2237



RECEIVED
JUN 05 1996
DEPARTMENT OF WATER RESOURCES

EXP.
R2

963

MAY 31 1996

1.65

7004/22 U.S. POSTAGE

RECEIVED
JUN 05 1996

Department of Water Resources

OCT 09 1996





State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

RECEIVED

JUN 05 1996

May 31, 1996

ROBERT ALDRICH
3772 CAN-ADA RD
NAMPA ID 83687

Department of Water Resources

PROOF DUE NOTICE

RE: PERMIT NO. 02-07455

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before August 1, 1996.

(See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

May 31, 1996

ROBERT ALDRICH
3772 CAN-ADA RD
NAMPA ID 83687

PROOF DUE NOTICE

RE: PERMIT NO. 02-07455

Dear Permit Holder:

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If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

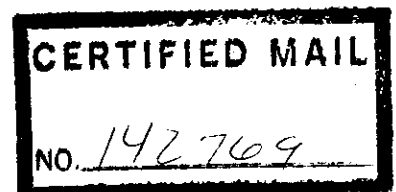
Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

RECEIVED
OCT 9 1996





State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

August 25, 1993

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

ROBERT ALDRICH
3772 CAN-ADA RD
Nampa ID 83687

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 02-07455

Dear Permit Holder(s):

Enclosed is a copy of your approved application for permit. Please be sure to thoroughly review the "CONDITIONS/REMARKS:" listing on the permit.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed. You will receive a "Proof Due Notice" from this Department approximately 60 days prior to the completion date requiring you to file either a Proof of Beneficial Use form stating that the project has been completed or file a Request for an Extension of Time in which to file the proof statement.

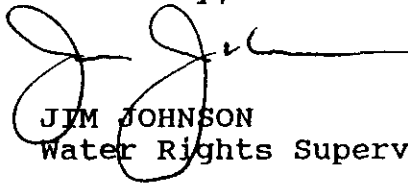
Note also that water shall not be diverted under this permit unless the flow of the Snake River exceeds established downstream minimum stream flows. In addition, there are many applications for permit for the use of Snake River water that are prior to your permit. These applications have been filed for the irrigation of lands that the applicants are attempting to obtain under the Federal Land laws such as Desert Entry and Carey Act.

RECEIVED

AUG 30 1993

If these lands are developed, and if the established minimum stream flows are maintained, then no water would be available for this permit. Therefore, you should carefully consider these facts before making any expenditures for the construction of your system.

Sincerely,



JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosure

RECEIVED
AUG 30 1993

02-07455

ALDRICH, ROBERT
3772 CAN-ADA RD
NAMPA, ID 83687

Source: SNAKE RIVER

Tributary: COLUMBIA RIVER

Diversion Pt: LOT 3 (SENWSW) Sec 14 T 02N R 04W in OWYHEE County.
LOT 4 (NESWSW) Sec 14 T 02N R 04W in OWYHEE County.

Use: IRRIGATION (.060 CFS)
Total Diversion: (.060 CFS)

Date Filed: 6/16/1993

In: OWYHEE County
T02N R04W S14 Lot 3(NWSW) Lot 4(SWSW)

2.0 ACRES TOTAL

RECORDED

AUG 30 1993

THE OWYHEE AVALANCHE

P.O. BOX 97 • HOMEDALE, ID 83628 • 208/337-4681

AFFIDAVIT OF PUBLICATION

RECEIVED

AUG 02 1993

STATE OF IDAHO)
COUNTY OF OWYHEE)

Department of Water Resources
Western Regional Office

I, Joe E. Aman, being first duly sworn, depose and say:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was and now over the age of twenty-one years, not a party to nor interested in the proceedings hereinafter mentioned.

2. That during the time of the publication of the notice hereinafter mentioned, I was and now am the publisher of **The Owyhee Avalanche**, a newspaper of general circulation printed and published weekly, on Wednesday of each and every week, in the City of Homedale, County of Owyhee and State of Idaho.

3. That the said **The Owyhee Avalanche** has been printed and published continuously and uninterruptedly in said County during a period of more than seventy-eight weeks prior to the first publication of the attached notice.

4. That said notice of which a printed copy, taken from said newspaper, is hereto affixed, was published in the regular issue thereof, and not a supplement thereto, in said

newspaper, in

2 (two)

(consecutive) calendar weekly issue(s) of said newspaper, in the following date(s):

July 7 and 14, 1993

Signed

Joe E. Aman

Subscribed and sworn to before me this 14th day of July A.D., 1993

Conrad B. Boudin

Notary Public in and for the State of Idaho
Residing at Homedale, Idaho
Commission expires October 1997

AUG 30 1993

The following applications have been received for appropriate the notice of the State of Idaho
02-07456
ALAN, ROBERT
3772 CAN-ADA RD
NAMPA, ID 83687
Source: SNAKE RIVER
Tributary: COLUMBIA RIVER
Diversion Pt: LOT 3
(S2SW) Sec 14 T 02N R
04W in OWYHEE County.
LOT 4 (NESWSW) Sec 14 T
02N R 04W in OWYHEE
County.
Use: IRRIGATION (.060 CFS)
Total Diversion: (.060 CFS)
Date Filed: 6/16/1993
In: OWYHEE County
T02N R04W S14 Lot 3
(NWSW) Lot 4 (SWSW)
2.0 ACRES TOTAL
02-07456
BRINGHAM, DALE G
BRINGHAM, MARIAN
RR1 BOX 796 1/2
MARSH, ID 83639
Source: SNAKE RIVER
Tributary: COLUMBIA RIVER
Diversion Pt: LOT 3 (NESW)
Sec 14 T 02N R 04W in
OWYHEE County.
Use: IRRIGATION (.150 CFS)
WILDLIFE (.150 CFS)
Total Diversion: (.150 CFS)
Date Filed: 8/22/1993
In: OWYHEE County
T02N R04W S14 Lot 3
(NESW)
5.0 ACRES TOTAL
02-07457
SCHERMERHORN, RON D
SCHERMERHORN, JOYCE E
HC79 BOX 103F
MELBA, ID 83641
Source: SNAKE RIVER
Tributary: COLUMBIA RIVER
Diversion Pt: NWSW Sec 16 T
01N R 03W in OWYHEE
County.
Use: IRRIGATION (.090 CFS)
RECREATION (.020 CFS)
RECREATION STORAGE
(6.00 AF)
AESTHETIC (.020 CFS)
AESTHETIC STORAGE (6.00
AF)
DIVERSION TO STORAGE
(.090 CFS)
Total Diversion: (.110 CFS)
Date Filed: 6/7/1993
In: OWYHEE County
T01N R03W S16 Lot 2
(NWSW)
3.0 ACRES TOTAL
55-07439
DAVIS, MILTON
1712 MAPLE ST
CALDWELL, ID 83605
Source: JORDAN CREEK
Tributary: OWYHEE RIVER
Diversion Pt: NWNE Sec 35 T
04S R04W in OWYHEE
County.
NENE Sec 35 T 04S R 04W
in OWYHEE County.
Use: IRRIGATION (.200 CFS)
Total Diversion: (.200 CFS)
Date Filed: 6/24/1993
In: OWYHEE County
T04S R04W S29 SE3W
NESE
SOS NWNE NENE
Permits will be subject to
all prior water rights.
Permits may be submitted
based on the criteria of the
42-203A, Idaho Code.
Permits must be filed with
the Director, Dept. of Water
Resources, Western Region,
2735 Airport Way, Boise,
Idaho 83705 on or before
JULY 26, 1993.
R. KEITH HIGGINSON,
Director
Published July 7 & 14, 1993