

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT SUPPLEMENT

RECEIVED
JUN 27 1990

Department of Water Resources

PERMIT 96-8048

Yes No
(☒) () B/U Acknowledgement Letter Sent _____ (INITIAL & DATE)
() (☒) Aerial Photo Date Requested _____ by _____
(☒) () Quad Sheet
() (☒) GL Plat
() (☒) Copies of overlapping License Field Report Claim
() () Photo PD/PU
() () Correspondence (Date) _____
() () Other (List) _____

EXAM COMPLETED BY John Good DATE 6/2/88
SR AGENT REVIEW JK DATE 6/3/88
REGIONAL MANAGER REVIEW _____ DATE 6/12/80
ENTERED ON COMPUTER BY _____ DATE _____
PRELIMINARY OVERLAP REVIEW BY JKing DATE 10/87
(☒) NO OVERLAP FOUND



PHOTO FILMED

JUN 12 1992

96-8048



STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

REMARKS / PHOTOS

PERMIT # _____

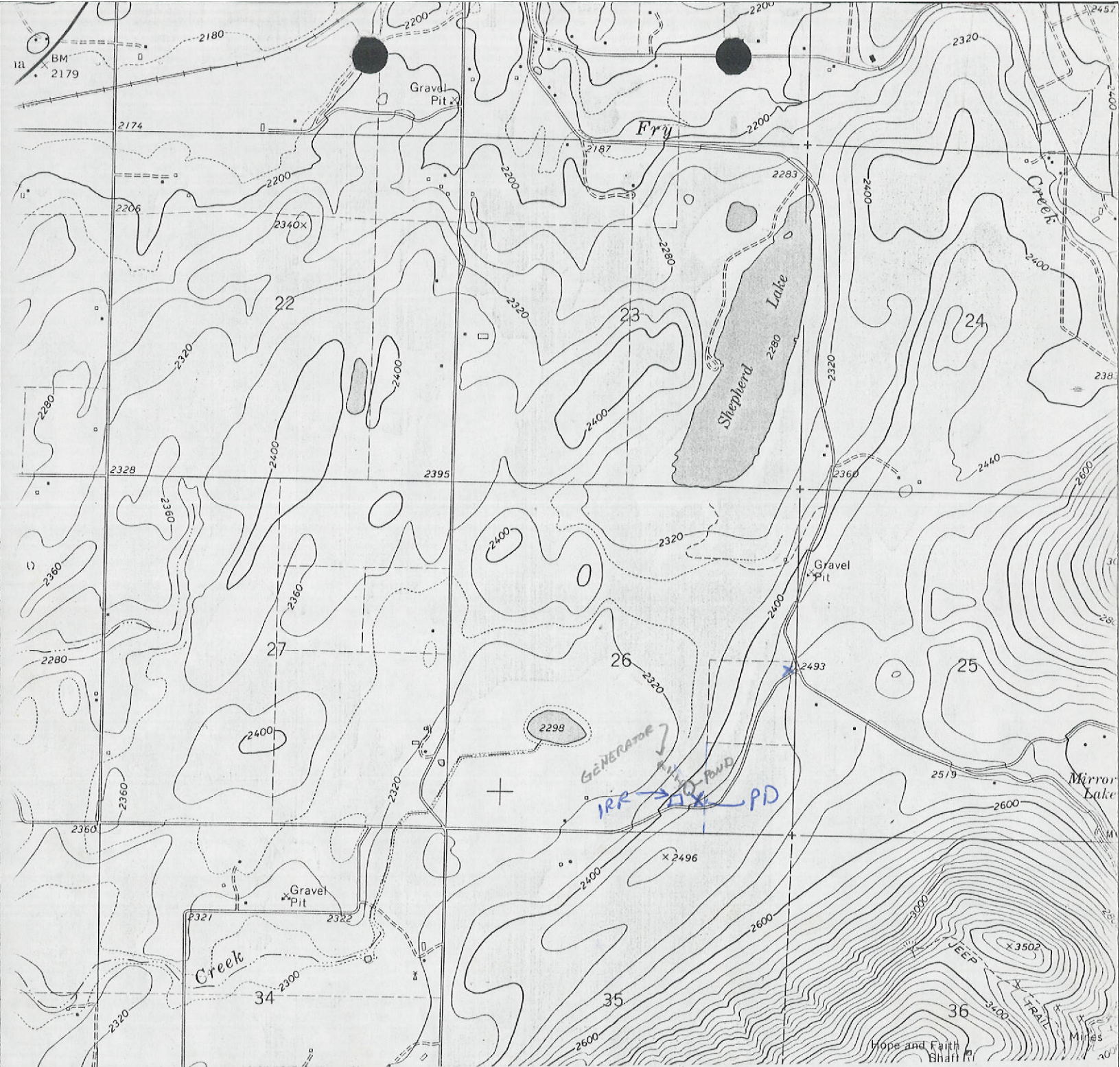
DATE

INITIALS



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JUN 12 1992



PERMIT HOLDER EARL LARSON

PERMIT # 96-8048

P D TWP 56N RGE 2W SEC 26

SWSE

P/U TWP RGE SEC SAME

SOURCE TWO UNNAMED CR'S

TRIBUTARY TO SINKS

MAP PLOT 30

IRR. ACRES 4

USGS QUAD D-6

SCALE

MICROFILMED
JUN 12 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No.

96-8048

Name(s) of Permit Holder(s):

Earl Larson

Post Office Address:

HCR 66 Box 124

Sagle, Ida. 83860

Tel. No.

265 4234

☒ I hereby certify that construction of diversion works for the above referenced permit began on May 1 1985 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit.

☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

*Note: A financing difficulty is not an acceptable reason.

June 15 1983

Date

Paul Larson

Signature of Permit Holder

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 96-08048

Priority: March 30, 1982

Maximum Storage Volume: 0.8 AF

This is to certify, that EARL LARSON
625 E DUFORT RD
SAGLE ID 838600000

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated March 30, 1982; and
has submitted Proof of Beneficial Use on June 1, 1987. An examination indicates
that the works have a storage capacity of .800 af of water from:

UNNAMED STREAMS

tributary to SINKS

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 STORAGE	01/01 to 12/31		0.8 AF
IRRIGATION FROM STORAGE	01/01 to 12/31		0.8 AF
STOCKWATER STORAGE	01/01 to 12/31		0.8 AF
POWER STORAGE	01/01 to 12/31		0.8 AF
POWER FROM STORAGE	01/01 to 12/31		0.8 AF
	Totals		0.8 AF

LOCATION OF POINT(S) OF DIVERSION:

SWSE , Sec. 26, Township 56N, Range 02W
BONNER County

PLACE OF USE: IRRIGATION FROM STORAGE

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
56N	02W	26	SWSE	1		1

Total number of acres irrigated: 1

PLACE OF USE: POWER FROM STORAGE, same as IRRIGATION FROM STORAGE use

CONDITIONS/REMARKS:

1. This water right is appurtenant to the described place of use.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. This right when combined with all other rights shall provide no more than 3.0 afa per acre for the lands above.

RECORDED
JUN 12 1992

State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**

WATER RIGHT NO. 96-08048

CONDITIONS/REMARKS:

5. This project shall be operated in a manner that will not conflict or interfere with the future diversion of water for irrigation or other beneficial consumption.
6. The water right confirmed in this license for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this license and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this license.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 15th day of APRIL, 1992.


Acting for R. Keith Higginson, Director

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JUN 12 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT **APPROVED**

To appropriate the public waters of the State of Idaho

1. Name of applicant EARL LARSON Phone 265-4234
Post office address HCR 66 Box 124, SAGE, ID 83860
2. Source of water supply 2 UNNAMED STREAMS which is a tributary of SINKS
3. Location of point of diversion is SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 26 Township 56N
Range 2W B.M. BONNER County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 0.08 for IRRIGATION MAR 15 NOV 15
(cfs or acre-feet per annum) DOMESTIC purposes from JAN 1 to DEC 31 (both dates inclusive)
Amount 1AF for STORAGE FOR IRR JAN 1 to DEC 31 (both dates inclusive)
(cfs or acre-feet per annum) DOMESTIC & POWER purposes from JAN 1 to DEC 31 (both dates inclusive)
Amount 1AF for DOMESTIC & POWER IRR JAN 1 to DEC 31 (both dates inclusive)
(cfs or acre-feet per annum) FROM STORAGE purposes from JAN 1 to DEC 31 (both dates inclusive)
Amount 1.00 for POWER PRODUCT purposes from JAN 1 to DEC 31 (both dates inclusive)
(cfs or acre-feet per annum) STOCK WATER JAN 1 DEC 31

5. Total quantity to be appropriated:

a. 1.00 cubic feet per second and/or b. 1 acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. DIKE, RESERVOIR & PIPELINE

b. Height of storage dam 9 feet, active reservoir capacity 1AF acre-feet; total reservoir capacity 1AF acre-feet, materials used in storage dam: EARTH

Period of year when water will be diverted to storage JAN 1 to DEC 31 inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years (minimum 1 year - maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 26 Township 56N
Range 2W B.M.

(2) Amount of power to be generated: 3.08 6/21/82 JJ
-25-- horsepower under 50 feet of head.

(3) List number of each kind of livestock to be watered 10 HEAD OF BEEF

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water ONE.

(5) If water is to be used for other purposes describe: _____

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b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
56N	20	26															4	4	4

Total number of acres to be irrigated 4

c. Describe any other water rights used for the same purposes as described above. NONE

9. a. Who owns the property at the point of diversion ~~STATE~~ APPLICANT

b. Who owns the land to be irrigated or place of use 1

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

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11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

T-52N 26

P.D. 7

P.U.

R-2W

Scale: 2 inches equal 1 mile.

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

Carl Larson
(Applicant)

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Proposed Priority 3/30/1982

Received by KK Date 3/30/82 Time 12:15
Preliminary check by JR Fee \$ 45.00 # 21202
Receipted by KK Date 3/30/82
Publication prepared by me Date 4/8/82
Published in Indipoint Bee
Publication dates 4/14-21/82
Publication approved me Date 5/11/82
Protests filed by: none

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by RC RC

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 96-8048, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 19 87.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. Other: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

This permit is subject to the provisions of Sections 42-205 through 42-210, Idaho Code, restricting the sale, transfer, assignment, or mortgage of this permit. Failure to comply with these provisions is cause for immediate cancellation of this permit.

This project shall be operated in a manner that will not conflict or interfere with the future diversion of water for irrigation or other beneficial consumption.

This permit does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.

Witness my hand this 28th day of June, 1982.

J. Glen Sayton
Chief, Operations Bureau

DET

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AFFIDAVIT FOR WATER RIGHTS TO BE USED
FOR POWER PURPOSES

A. Establishment of Residency: (Complete either 1, or 2).

1. Individual Applicant or Individual Members of a Partnership:

I, EARL LASON of JAGLE,
(name) (city)

county of BONNER, State of Idaho, being duly sworn, do
hereby certify that I am a bona fide resident of the State of Idaho.

2. Corporation:

I, _____ of _____,
(name) (city)

County of _____, State of Idaho, being duly sworn, depose
and say: That I am the designated registered agent of the _____

_____ : that as such I am in charge of the registered
(name of corporation)

office of the said corporation as required by Section 30-1-12, Idaho Code, at

_____ Idaho, wherein are kept the corporate records required
(city)

by Section 30-1-52, Idaho Code: and that _____
(name of corporation)

is a corporation qualified to do business in the State of Idaho under the laws of
the State of Idaho.

B. Ownership of Facilities: (To be completed for hydropower projects only)

The hydropower facility to be developed pursuant to the attached Application for
Permit:

(check one)

- ☒ Will not utilize existing man-made irrigation facilities such as a dam or a
canal.
- ☐ Will utilize existing man-made irrigation facilities such as a dam or a canal,
and permission of the owner is documented in an affidavit attached hereto.
- ☐ Will utilize existing man-made irrigation facilities such as a dam or a canal
and the owner of the facilities is the signee of this affidavit.

Earl Larson
Applicant

State of Idaho }
County of Coolumai } ss.

On this 31 day of March, 19 82, personally
appeared before me the signer(s) of the above instrument, who duly acknowledged
to me that he (she) (they) executed the same.

Robert O. Haynes
Notary Public residing at
CD A

seal

My commission expires:

Lifetime

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AFFIDAVIT OF PUBLICATION

State of Idaho

ss.

County of Bonner,

Pete Thompson being first duly sworn on oath deposes and says that he is publisher of the Sandpoint Daily Bee, and News Bulletin, newspapers printed and published at Sandpoint, in Bonner County, Idaho; that the said newspapers have been continuously and uninterruptedly published in said Bonner County during a period of 12 months prior to the first publication of the hereto attached notice of publication in the case of _____

Legal notice
as it was published in the regular and entire issue of the said paper for a period of 2 consecutive weeks, commencing on 14 day of 4, 1982 and ending on the 21 day of 4, 1982 and that said notice was published in said newspaper.

Subscribed and sworn to before me this 5 day of 5, 1982.

Pete Thompson
Abel M Thompson

Notary Public for Idaho,
Residing at Sandpoint, Idaho

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho:

96-8047

ALLER, MICHAEL E. &/or BETTY J.
2406 166TH AVE. S.E., BELLEVUE, WA 98008
Source: UNNAMED STREAM tributary to SINKS
Date Filed: 04/07/1982
Amount: 0.20 CFS
Diversion Point: SENW Sec 17 T 59N R 01W, BONNER Co.
Use: IRRIGATION (0.20 CFS) from 03/15 to 11/15
STOCKWATER (0.02 CFS) from 01/01 to 12/31
DOMESTIC (0.08 CFS) from 01/01 to 12/31
Place of Use: SENW Sec 17 T 59N R 01W FOR 10 ACRES
Diversion Means: WELL AND GRAVITY FLOW PIPELINE.

96-8048

LARSON, EARL
HCR 66 BOX 124, SAGLE, ID 83860
Source: UNNAMED STREAMS tributary to SINKS
Date Filed: 03/30/1982
Amount: 1.00 CFS 1.0 AC-FT
Diversion Point: SWSE Sec 26 T 56N R 02W, BONNER Co.
Use: IRRIGATION (0.08 CFS) from 03/15 to 11/15
IRRIGATION STORAGE (1.0 AC-FT) from 01/01 to 12/31
IRRIGATION FROM STORAGE (1.0 AC-FT) from 01/01 to 12/31
STOCKWATER (0.02 CFS) from 01/01 to 12/31
POWER (1.00 CFS) from 01/01 to 12/31
POWER STORAGE (1.0 AC-FT) from 01/01 to 12/31
POWER FROM STORAGE (1.0 AC-FT) from 01/01 to 12/31
DOMESTIC (0.04 CFS) from 01/01 to 12/31
DOMESTIC STORAGE (1.0 AC-FT) from 01/01 to 12/31

DOMESTIC FROM STORAGE (1.0 AC-FT) from 01/01 to 12/31
Place of Use: SWSE Sec 26 T 56N R 02W FOR 4 ACRES
Diversion Means: DIKE, RESERVOIR AND PIPELINE.

96-8050

COOPER, J. L.
CROCKETT, R. P.
2250 FISHER LN., SALT LAKE CITY, UT 84109
Source: GROUNDWATER
Date Filed: 04/05/1982
Amount: 0.04 CFS
Diversion Point: NESW Sec 18 T 54N R 02W, BONNER Co.
Use: DOMESTIC (0.04 CFS) from 01/01 to 12/31
Place of Use: NESW Sec 18 T 54N R 02W
Diversion Means: WELL, PUMP AND PIPELINE.

96-8051

COOPER, J. L.
CROCKETT, R. P.
2250 FISHER LN., SALT LAKE CITY, UT 84109
Source: UNNAMED CREEK tributary to SINKS
Date Filed: 04/05/1982
Amount: 0.20 CFS
Diversion Point: NESW Sec 18 T 54N R 02W, BONNER Co.
Use: IRRIGATION (0.20 CFS) from 04/01 to 10/15
Place of Use: NESW Sec 18 T 54N R 02W FOR 10 ACRES
Diversion Means: CULVERT, HEADGATE AND DITCH.
If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 4055 Gov't Way, Coeur d'Alene, ID, 83814 on or before MAY 3, 1982.

A. KENNETH DUNN
Publ. 4/14 & 4/21/82 Director

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RECEIVED
MAY 10 1982

Department of Water Resources
Northern District Office

April 2, 1992

EARL LARSON
625 E DUFORT RD
SAGLE ID 838600000

RE: WATER RIGHT NO. 96-08048

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

SHARLA CURTIS
Water Resource Agent

SC:clh

Enclosure

MICROFILMED

JUN 12 1992

MEMORANDUM

19
TO: File No. 96-8048
FROM: Sharla Curtis
DATE: February 10, 1992

RE: Conditions of Approval

All conditions of approval placed upon the original permit are hereby considered either complied with or inappropriate for carry over to the license. The only exception to this is the condition stating that the project would be operated in a manner that would not conflict or interfere with future diversion of water for irrigation or other beneficial consumption. This condition will be carried over to the license.

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JUN 12 1992

August 2, 1991

EARL LARSON
625 E. DUFORT RD.
SAGLE, ID 838600000

RE: WATER RIGHT NO. 96-08048

Dear Water Right Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

SHARLA CURTIS
Technical Records Specialist

SC:blm

Enclosure

MICROFILMED

JUN 12 1992

LICENSE REVIEW CHECKLIST

Permit No. 96-8048

Name/Address change? ok ☒

Priority date Advance? yes no ☒
Memo to advance n/a
Order to reinstate needed? yes no ☒

Total cfs Limited by fee no
Limited by capacity no

Total volume Limited by flow no
Chart checked for AF rate/ac no

Capacity Actual measurement checked no
Theoretical checked no
If greater than permit, check for other rts n/a

Source Changed? yes no ☒
If so, is memo needed to clarify? n/a

P/D Verify with map no permit no
More than one per 1/4? Remember remark n/a
Check p/d overlap no

Uses Check irrigation period of use w/ chart no

P/U Verify with map no permit no
> 5 acres irrigated, run overlap n/a

Remarks More than one p/d in 1/4 no
Description of non-irrig uses no
Special overlap condition no

Conditions -
Measuring device no
W. Master control no
Overlap no
Water quality no
Other no

Dates/Misc. -
Water Dist n/a
App Rec'd no
Proof Rec'd no

CHECK FOR ADJ. CLAIM Needed according to proof filed no
Filed - needs amended no
Add'l fee required no
Not filed no
Not needed no

Comments/Changes to Examiner's Recommendations:

License no 10-day no 30-day no

Back of field report signed? no
Reviewer Super Date 6/10/91 Review time no min.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT SUPPLEMENT

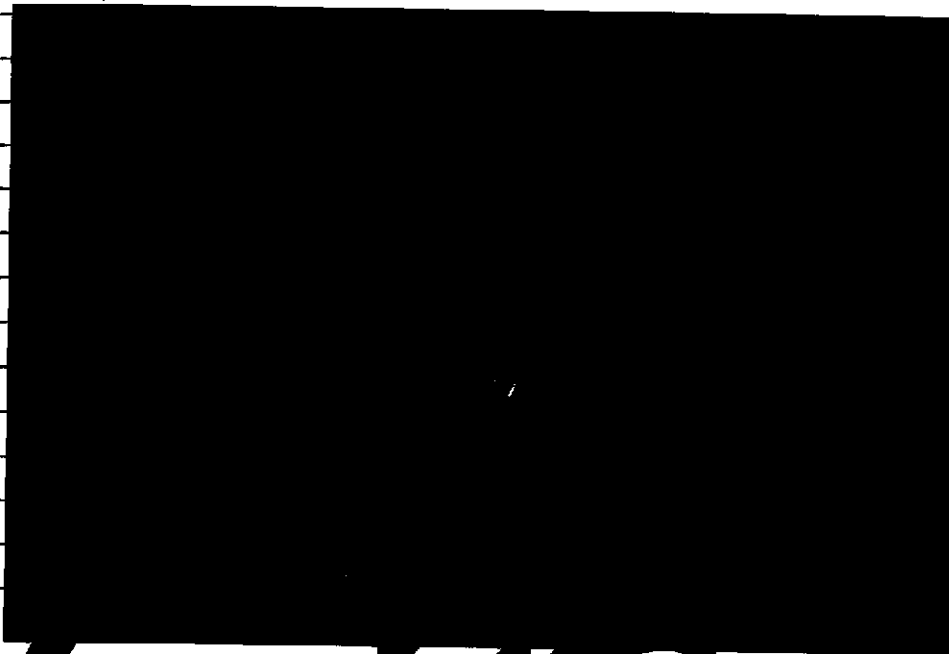
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JUN 27 1990

Department of Water Resources

PERMIT 96-8048

Yes No
(☒) () B/U Acknowledgement Letter Sent _____ (INITIAL & DATE)
() (☒) Aerial Photo Date Requested _____ by _____
(☒) () Quad Sheet
() (☒) GL Plat
() (☒) Copies of overlapping License Field Report Claim
() () Photo PD/PU
() () Correspondence (Date) _____
() () Other (List) _____

EXAM COMPLETED BY John Bond DATE 6/2/88
SR AGENT REVIEW SK DATE 6/3/88
REGIONAL MANAGER REVIEW _____ DATE 6/24/88
ENTERED ON COMPUTER BY _____ DATE 6/24/88
PRELIMINARY OVERLAP REVIEW BY J. King DATE 10/87
(☒) NO OVERLAP FOUND



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96-8048



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

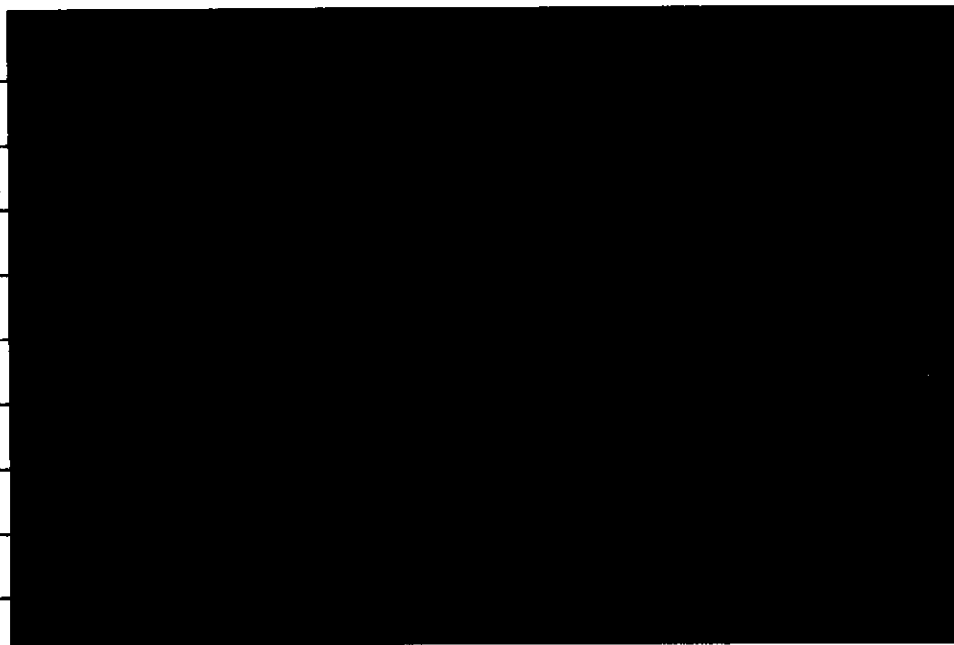
NORTHERN REGION

REMARKS / PHOTOS

PERMIT # _____

DATE

INITIALS



JUN 12 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

1. Owner: Earl Larson Permit No. 96-8048
Current Address: 625 E Dufort Rd Sage Id 83 800 Phone No. 265-4234
2. Accompanied by: Earl Larson EXAM. DATE: 6/2/88
Address: 625 E Dufort Rd Phone No. same
Relationship to Permit Holder: Same
3. Source: Unnamed Streams tributary to none

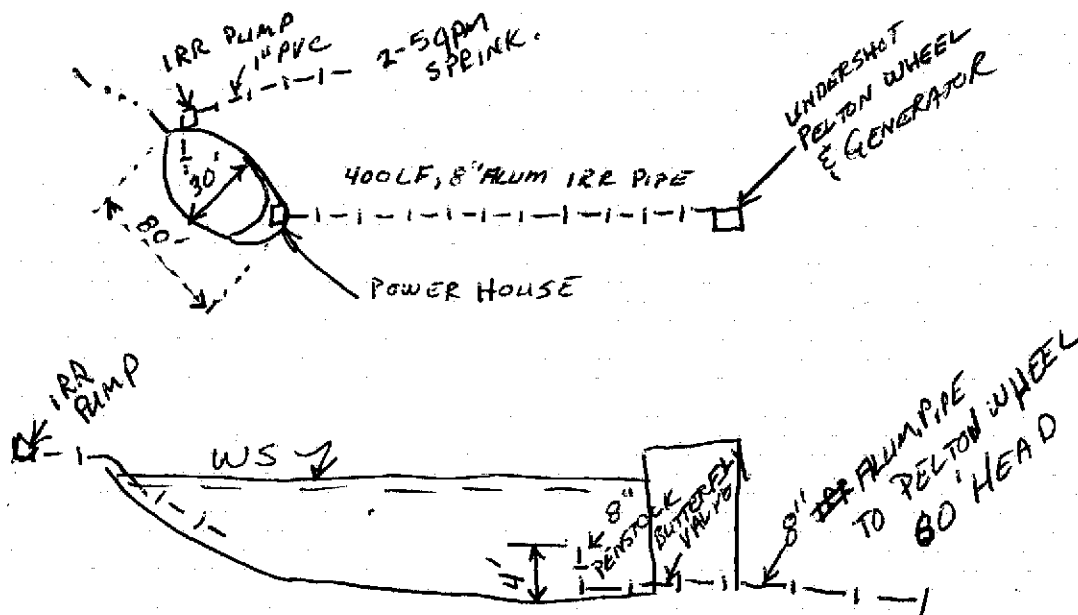
RECEIVED
JUN 27 1990

B. OVERLAP REVIEW

1. Other water rights with same place of use: none
2. Other water rights with same point of diversion: none
☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required). ☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

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System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

IRRIGATION - ~~one~~ 2" pipe to (1-3) Hp gas pump
1" line to 2 sprinklers

Electric and stock-unbamed stream to pond
8" penstock from pond to pelton wheel.

EXCAVATED POND IN STREAM WITH 2" SUCTION ^{pump} FOR IRRIGATION
8" ALUMINUM QUICK COUPLE P.I.E TO PELTON WHEEL JK

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Generator Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
VOLTS 115AC	WATT2000		6164	60 Hp	rpm 3600 / 1.5"
IRRIGATION	BNS GAS	3	2" intake	Berkley	BLAR 1"

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	SE	26	56N	2W	BONNER	MAP

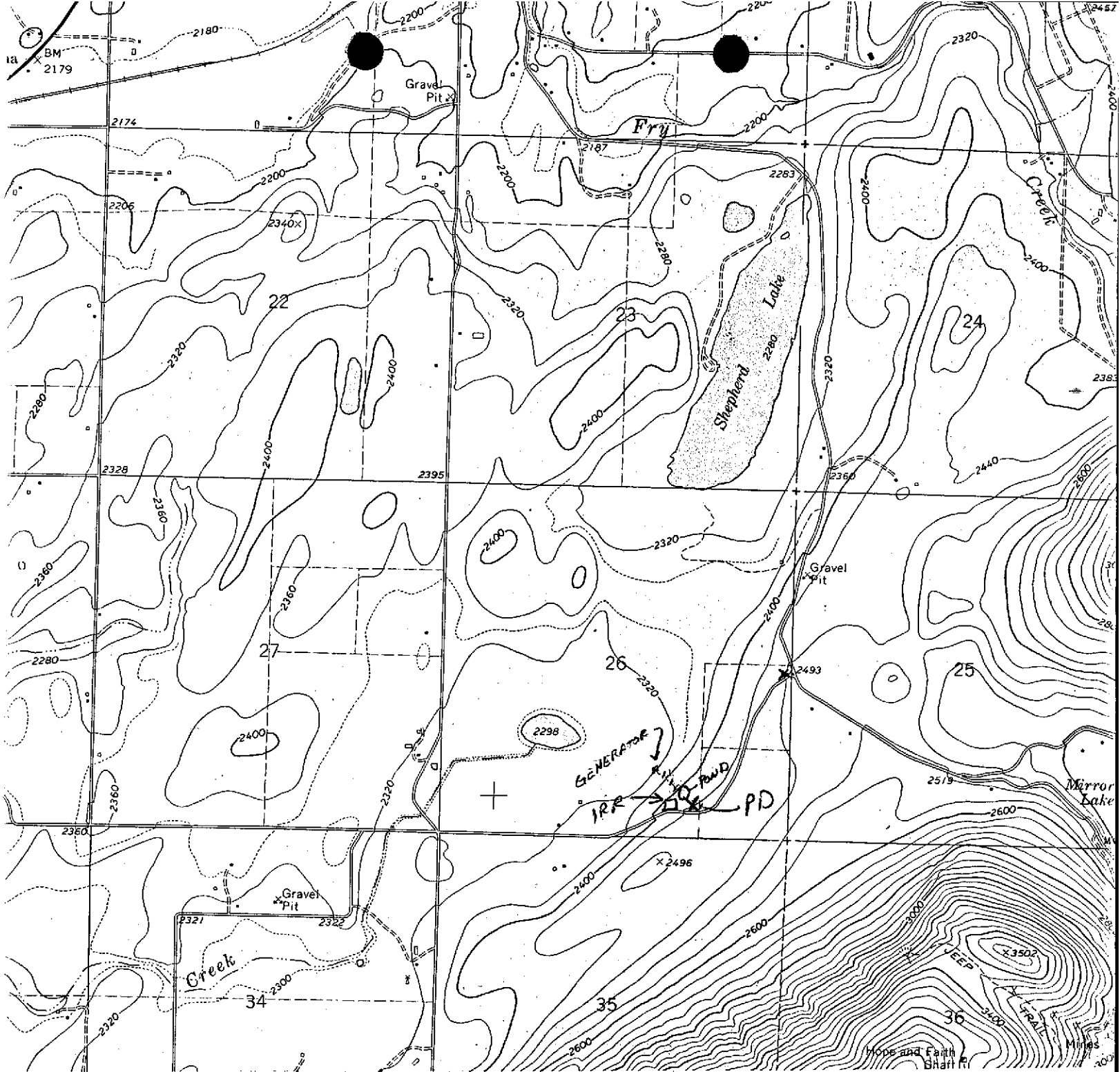
6. **Place(s) of Use:**

Indicate Method of Determination

MAP

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
56N	2W	26															PI		1
																	S		
																	SS		
																	PS		

JUN 12 1992



PERMIT HOLDER EARL LARSON

PERMIT # 96-8048

P D TWP 56N RGE 2W SEC 26

SWSE

P/U TWP RGE SEC SAME

SOURCE TWO UNNAMED CR'S

TRIBUTARY TO SINKS

MAP PLOT 30

IRR. ACRES 4

USGS QUAD D-6

SCALE

RECORDED
JUN 12 1992

Do not use this space

D. FLOW MEASUREMENTS

NONE

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

H, FROM QUAD SHEET

1. Measured Method:

using $Q = \frac{H_p (1118)}{H E}$

$E = .4$

$H = 80ft$

$Q = 1 cfs$

$H_p = 2.7 = 2kW$

NONE JK

2. Alternate Method for Checking Purposes:

~~$Q = \frac{463 \times 2.667}{(1) \times (1)} = \frac{1235}{1} = 1235$~~

NOT VALID DUE TO NOZZLE AT END OF PIPE

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

3 at

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

9 at

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

3 at

2. Volume Calculations for Other Uses:

Pond storage

$80ft \times 30ft \times 14ft \times 43560 = 1 at$

$L \times W \times D =$

.8 AF

MICROFILMED JUN 12 1992

H. REMARKS AND OVERLAP REVIEW ANALYSIS

NONE

NO USE EXCEPT FROM STORAGE ~ NO METHOD OF MEASUREMENT ~ RECOMMEND MD REQUIREMENT BE WAIVED

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
STORAGE (STOCK + IRRIGATION + POWER)	1/1	12/31		1af
IRRIGATION ^{FM STORAGE}	3/15	11/15		1af
POWER FM STORAGE	1-1	12/31	0.02 cfs JK	3af
IRRIGATION	3/15	11/15	1.00 cfs JK	1af JK
POWER			1.00 cfs JK	1af JK
Totals:			1.00 cfs JK	3af

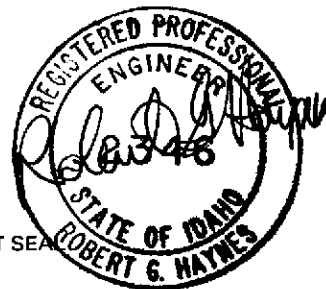
2. Recommended Amendments

- ☐ 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

J. AUTHENTICATION

Field Examiner's Name LOUIS SUKOVATY 1 TEN KING 6
 Signature [Signature]
 Certification Date 2/17/89
 Field Report Preparation Date 6/2/88

CONSULTANT SEAL



K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

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JUN 12 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. 96-8048
Name(s) of Permit Holder(s): Earl Larson
Post Office Address: HCR 66 Box 124
Sagle, Ida. 83860 Tel. No. 265 4234
☒ I hereby certify that construction of diversion works for the above referenced permit began on May 1 1983 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit.
☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

*Note: A financing difficulty is not an acceptable reason.

June 15 1983
Date

Earl Larson
Signature of Permit Holder

Earl L. Lense

HCR 66-124

Sagile R. 8386



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JUN 12 1992



IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Northern Region

JOHN V. EVANS
Governor
A. KENNETH DUNN
Director

4055 Government Way
Coeur d'Alene, ID 83814
(208) 765-4639

AUGUST 11, 1987

EARL WARSON
625 E. DUFORT RD.
SAGLE, ID 83860

RE: Permit No. 96-8048

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit.

Before a Water Right License can be issued, a field examination must be made by a representative of this department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone or in person.

Sincerely,

/S/
TOM D. KING
Senior Water Resource Agent

cc: IDWR - State Office

MICROFILMED

JUN 12 1992

RECEIVED

JUN 01 1987

Department of Water Resources

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

For Office Use Only
Fee Received \$100.00
Date 6-1-87
Receipt # 42493
Receipt by [Signature]
Reviewed by [Signature]
Sent to region

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has 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 or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 96-8048

Name(s) of Permit Holder: Earl Larson ✓

Post Office Address: 625 E DuPont Rd Sept Id 83860

Telephone No.

Source of Water: 2 unnamed streams & sinks ✓

Extent of Use:

Domestic 0.04 ✓ (number of households) 1 ✓ Stockwater 0.02 ✓ (number and type of stock)

Irrigation 0.08 4 ✓ (acres) Other/Remark

Total rate and/or volume for which proof is submitted 1.00 cfs 1 acre-feet

Show the date water was first diverted and beneficially used under this permit: 6-30-83

Measuring Device: Required? Yes No
Installed? Yes No

Fee enclosed \$ 100.00
(See License Examination Fee Schedule)

Flow Measurement Port: Required? Yes No
Installed? Yes No

Person to contact to accompany the Department representative during the field examination:

Earl Larson 265 4234
(Name) (Telephone Number)

625 E DuPont Rd. Sept Id
(Address)

The above information 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.

MICROFILMED

AUG 25 1987

May 28 1987
Date

Earl Larson ✓
Signature of Permit Holder (and title, if appropriate)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

- - - - -

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL
MARCH 31, 1987

LARSON, EARL
HCR 66 BOX 124
SAGLE, ID 83860

138924

PROOF DUE NOTICE

RE: PERMIT NO. 96-8048

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 JUNE 1, 1987. (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 COMPLETED 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,

RITA FLECK
SECRETARY/RECORDS MANAGER

ENCLOSURES

MICROFILMED

AUG 25 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

LARSON, EARL
HCR 66 BOX 124
SAGLE, ID 83860

JULY 06, 1982

RE: PERMIT NO. 96-8048

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL A MEASURING DEVICE, OR AN ACCESS PORT TO PROVIDE FOR THE INSTALLATION OF MEASURING EQUIPMENT BY THE DEPARTMENT. ENCLOSED PLEASE FIND A LIST OF MEASURING DEVICE OPTIONS, AND SPECIFICATIONS FOR THE INSTALLATION OF THE ACCESS PORT.

WE HAVE ENCLOSED A FORM ENTITLED "MAKING PROOF OF BENEFICIAL USE". PLEASE READ THE INSTRUCTIONS CAREFULLY SINCE YOU MUST TAKE FURTHER ACTION TO DEVELOP THIS PERMIT INTO A LICENSE.

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

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State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: K

APPLICATION NUMBER: 96-8048

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.

Field check by: _____

Date: _____

Comments: _____

☒ Fee.

☒ Yes ☒ No

☒ Yes ☒ No

☒ Yes ☒ No

☒ Yes ☒ No*

Field check required.

Critical groundwater area.

Request dam safety information. Sent by: _____ Date: _____

In form to receipt.

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: _____ Date: _____

PROCESSING:

☐ Yes ☐ No

☐ Yes ☐ No

☒ Yes ☐ No*

☐ Yes ☒ No

Platted by: _____ Map No. _____

Other rights on same place of use. _____

In form for advertising.

Final date for protests: 5/3/82
Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

☒ Affidavit of publication received. Date: 5/10/82

☒ Application published correctly. If not, record action taken: _____

☒ Fee amount, receipt date & number, recorded on application.

☒ Publication dates and paper, recorded on application.

☒ Protests, dates, withdrawal, etc., recorded on application.

☒ Recommendation & initial, recorded on application.

☐ Yes ☒ No

☒ Yes ☒ No

☐ Yes ☒ No

☒ Yes ☒ No

Measuring device required.

Access port required.

Will water be delivered by watermaster? If yes, what district? _____

Date of priority recommended. 3/30/82

Special conditions of approval or cover letter. _____

By: RJA

Date: 5/14/82

STATE OFFICE REVIEW:

SL/L12, L03

26 OIC OBA 17 25

☐ See attached sheet for more information.

By: [Signature]

Date: 5/24/82

RECEIVED

MAY 24 1982

approve Type correction on item 8a.(2)

Jan 6-9-82

Department of Water Resources

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POINT OF DIVERSION AND STREAM INDEX INFORMATION

TRACT SEC TWP RGE gov't rediv.
lot (R) REACH

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv.
lot (R) REACH

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv.
lot (R) REACH

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv.
lot (R) REACH

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv.
lot (R) REACH

IDAHO STREAM CODE INDEX

POWER CALCULATIONS FOR APPLICATION NO.

96-8048

P = Kilowatts .74 X hp 25

Q = cfs

H = feet

e = efficiency

proposed

18.5 KW

1.0 cfs ✓

50 ft

?

$$e = \frac{P(11.8)}{QH} = \frac{18.5(11.8)}{1 \times 50} = \frac{218.3}{50} = 4.3$$

Based on the above calculations the proposed project must have an ~~4.3~~ % efficiency.

RC 5/24
82

Assume 80% efficiency
Determine Q

$$Q = \frac{P(11.8)}{H e} = \frac{218.3}{50(.8)} = \underline{\underline{5.45 \text{ cfs}}}$$

1.0 cfs will not produce the amount of power applicant has stated in item

8a. (2)

Determine amount of power generated w/ 1.0 cfs at 80% = e

$$P = \frac{Q H e}{11.8} = \frac{1(50) \cdot .8}{11.8} = \underline{\underline{3.4 \text{ kW}}}$$

Approve Application on basis that applicant will not sell power

Jim 6-9-82

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Power Production Analysis

From Admin Memo - 12-1-1980

Assume power generated by Pelton wheel or hydrolic turbine, stated as most efficient

$E = 50\%$, $k = 11.8$ ~ From Admin Memo

$P = \underline{\underline{25 \text{ HP}}}$, $Q = 1.0$, $H = 50'$, - From application

$$25 \text{ H} = \underline{\underline{18.5 \text{ KW}}} \quad \cdot \quad E = \frac{(18.5)(11.8)}{(1.0)(50)} = \frac{218.3}{50} \% = 4.37 \%$$

$$P = \frac{(1)(50)(0.5)}{11.8} = \underline{\underline{2.17 \text{ KW}}} \quad \frac{2.17 \text{ KW}}{0.704 \text{ KW}} = \underline{\underline{3.08 \text{ HP}}}$$

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LARSON, EARL

HCR 66 BOX 124, SAGLE, ID 83860

Source: UNNAMED STREAMS tributary to SINKS

Date Filed: 03/30/1982

Amount: 1.00 CFS 1.0 AC-FT

Diversion Point: SWSE Sec 26 T 56N R 02W, BONNER Co.

Use: IRRIGATION	(0.08 CFS)	from 03/15 to 11/15
IRRIGATION STORAGE	(1.0 AC-FT)	from 01/01 to 12/31
IRRIGATION FROM STORAGE	(1.0 AC-FT)	from 01/01 to 12/31
STOCKWATER	(0.02 CFS)	from 01/01 to 12/31
POWER	(1.00 CFS)	from 01/01 to 12/31
POWER STORAGE	(1.0 AC-FT)	from 01/01 to 12/31
POWER FROM STORAGE	(1.0 AC-FT)	from 01/01 to 12/31
DOMESTIC	(0.04 CFS)	from 01/01 to 12/31
DOMESTIC STORAGE	(1.0 AC-FT)	from 01/01 to 12/31
DOMESTIC FROM STORAGE	(1.0 AC-FT)	from 01/01 to 12/31

Place of Use: SWSE Sec 26 T 56N R 02W FOR 4 ACRES

Diversion Means: DIKE, RESERVOIR AND PIPELINE.

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