

State of Idaho
Department of Water Resources
Water Right License
WATER RIGHT NO. 95-08707

Priority: July 31, 1991

Maximum Diversion Rate:

0.20 CFS

Maximum Diversion Volume:

36.0 AF

This is to certify, that DUANE R PROCHNOW
LISA PROCHNOW

5140 COUGAR GULCH RD

COEUR D ALENE ID 83814

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated July 31, 1991; and has submitted Proof of Beneficial Use on August 19, 1993. An examination indicates that the works have a diversion capacity of 0.200 cfs of water from:

SPRINGS

tributary to COUGAR CREEK

COUGAR CREEK

tributary to TWIN LAKES

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	0.20 CFS	36.0 AF

LOCATION OF POINT(S) OF DIVERSION:

Injection
Rediversion

NENESE , Sec. 29, Township 50N, Range 04W
SWNESE , Sec. 29, Township 50N, Range 04W
SENESE , Sec. 29, Township 50N, Range 04W
SWNESE , Sec. 29, Township 50N, Range 04W
NENESE , Sec. 29, Township 50N, Range 04W
KOOTENAI 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>
50N	04W	29	NESE	12		12

Total number of acres irrigated: 12

CONDITIONS OF APPROVAL AND REMARKS

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount that can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license shall be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.

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SEP 24 1998

State of Idaho
Department of Water Resources**Water Right License**

WATER RIGHT NO. 95-08707

CONDITIONS OF APPROVAL AND REMARKS

5. Use of water under this water right will be regulated by the watermaster of State Water District No. 95B.
6. Prior to diversion of water under this right, the right holder shall install a lockable device, subject to the approval of the Department, in a manner that will provide the watermaster suitable control of the diversion.
7. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the lands above.
8. The Director retains jurisdiction to require a bypass flow for maintenance of fish, wildlife, riparian and aquatic habitat.
9. Water diverted from the springs is injected into Cougar Creek at two points in the SWNESE and is rediverted from the creek.

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 28th
day of AUGUST, 1998.


KARL J. DREHER, Director

MICROFILMED

SEP 29 1998

State of Idaho
Department of Water Resources

RECEIVED
AUG 17 1998

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 95-08707

Department of Water Resources

Date of Priority: July 31, 1991

Maximum Diversion Rate: 0.20 CFS
Maximum Diversion Volume: 36.0 AF

Comes now DUANE R PROCHNOW
LISA PROCHNOW

5140 COUGAR GULCH RD
COEUR D ALENE ID 83814

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 95-08707, and requests that the permit be changed as follows:

Source: SPRINGS tributary to COUGAR CREEK
Source: COUGAR CREEK tributary to TWIN LAKES

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.20 CFS	36.0 AF

<u>LOCATION OF POINT(S) OF DIVERSION:</u>	
Injection	NENESE , Sec. 29, Township 50N, Range 04W
Rediversion	SWNESE , Sec. 29, Township 50N, Range 04W
	SENESE , Sec. 29, Township 50N, Range 04W
	SWNESE , Sec. 29, Township 50N, Range 04W
	NENESE , Sec. 29, Township 50N, Range 04W
	KOOTENAI 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>
50N	04W	29	NESE	12		12

Total number of acres irrigated: 12

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at 5140 Cougar Gulch Rd, this 12th day of August, 1998.

Coeur d Alene, ID

83814

MICROFILMED

Duane R Prochnow
(Signature)

SEP 29 1998

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 95-08707

FOR DEPARTMENT USE ONLY

Preliminary check by swk Fee = 50⁰⁰ Received by RS # C043143 Date 8/17/98

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, Karl J. Dreher, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 95-08707 with the following;

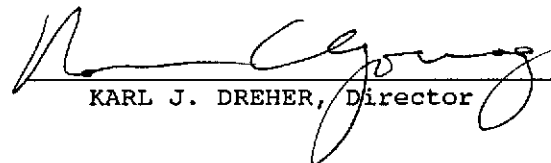
CONDITIONS OF APPROVAL AND REMARKS

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount that can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license shall be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Use of water under this water right will be regulated by the watermaster of State Water District No. .
6. Prior to diversion of water under this right, the right holder shall install a lockable device, subject to the approval of the Department, in a manner that will provide the watermaster suitable control of the diversion.
7. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the lands above.
8. The Director retains jurisdiction to require a bypass flow for maintenance of fish, wildlife, riparian and aquatic habitat.
9. Water diverted from the springs is injected into Cougar Creek at two points in the SWNESE and is rediverted from the creek.

Witness my hand this 28TH day of August, 1998.

MICROFILMED

SEP 29 1998


KARL J. DREHER, Director

RECEIVED

AUG 19 1993

Department of Water Resources

OFFICE USE ONLY

Amt. of Fee \$ 50.00
Date 8-19-93
Receipt No. C028700
Receipt by CA

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 a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 95-08707 Telephone No. 208-667-8222
2. Name(s) of Permit Holder(s): Duane & Lisa Prochnow
3. Mailing Address: 5140 Cougar Gulch Rd, Coeur d'Alene ID 83814
4. Source of Water: Cougar Creek & Two Spring Flows

If GROUNDWATER, Well Driller's Name: _____ Date Drilled: _____

OPTIONAL:

Pump horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft.): _____

5. Extent of Use (as authorized by the permit):

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

Irrigation 12 (No. of acres) Other 8/9/93 Kog

6. Total rate and/or volume for which proof is submitted .20 cfs OR 90 gpm acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? ____ Yes ____ No Installed? ____ Yes ____ No

OR

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

8. Fee Enclosed: \$ see 50 note (See License Fee Schedule on back of Instruction Sheet)

Told on phone fee is not required as system will be field inspected.

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

Duane Prochnow 208 667-8222
Name Telephone No.

5140 Cougar Gulch Rd Coeur d'Alene ID 83814
Address

10. 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.

July 14
Date

D R Prochnow - Owner
Signature (and title, if on behalf of a company or organization)

AUG 31 1993

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 95-08707

Proposed Priority: July 31, 1991 Maximum Diversion Rate: 0.24 CFS

This is to certify, that DUANE R PROCHNOW
LISA PROCHNOW
5140 COUGAR GULCH RD
COEUR D ALENE ID 83814

has applied for a permit to appropriate water from:

SPRINGS

tributary of COUGAR CREEK

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	03/15 to 11/15	0.24 CFS

LOCATION OF POINT(S) OF DIVERSION:

SENESE Sec. 29, Township 50N, Range 04W
SWNESE Sec. 29, Township 50N, Range 04W
KOOTENAI County

PLACE OF USE: IRRIGATION

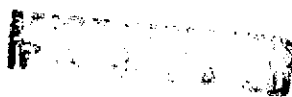
<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
50N	04W	29	NESE	12		12
Total number of acres irrigated:						12

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **September 1, 1993**.
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. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

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

17th day of September, 1991.



OCT 07 1991

R. Keith Higginson
for R. Keith Higginson, Director

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant OR/Lisa Duane R. Prochnow Phone 208 667 6376
Post office address 5140 Cougar Gulch Rd GDA, ID 83814
2. Source of water supply ~~Cougar~~ springs which is a tributary of Cougar Creek
3. Location of point of diversion is SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Govt. Lot _____
Sec. 29 Township 50N Range 4W B.M. Kootenai County; additional
points of diversion if any: SW NE SE - 29 - 50N - 4W
4. Water will be used for the following purposes:
Amount .24 for Irrigation purposes from 3-15 to 11-15 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) .24 cubic feet per second and/or (b) _____ acre-feet per annum
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Ditch and pump

b. Height of storage dam NA feet; active reservoir capacity NA acre-feet; total
reservoir capacity NA acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
c. Proposed well diameter is NA inches; proposed depth of well is _____ feet.
d. Is ground water with a temperature of greater than 90°F being sought? NA
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).

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8. Description of proposed uses (*if irrigation only, go to item 9*):
- Hydropower; show total feet of head and proposed capacity in KW. _____
 - Stockwatering; list number and kind of livestock. _____
 - Municipal; show name of municipality. _____
 - Domestic; show number of households. _____
 - Other; describe fully. _____

9. Description of place of use:
- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
 - If water is used for other purposes, place a symbol of the use (*example: D for Domestic*) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
SDN	42W	29													12				12

Total number of acres to be irrigated 12

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

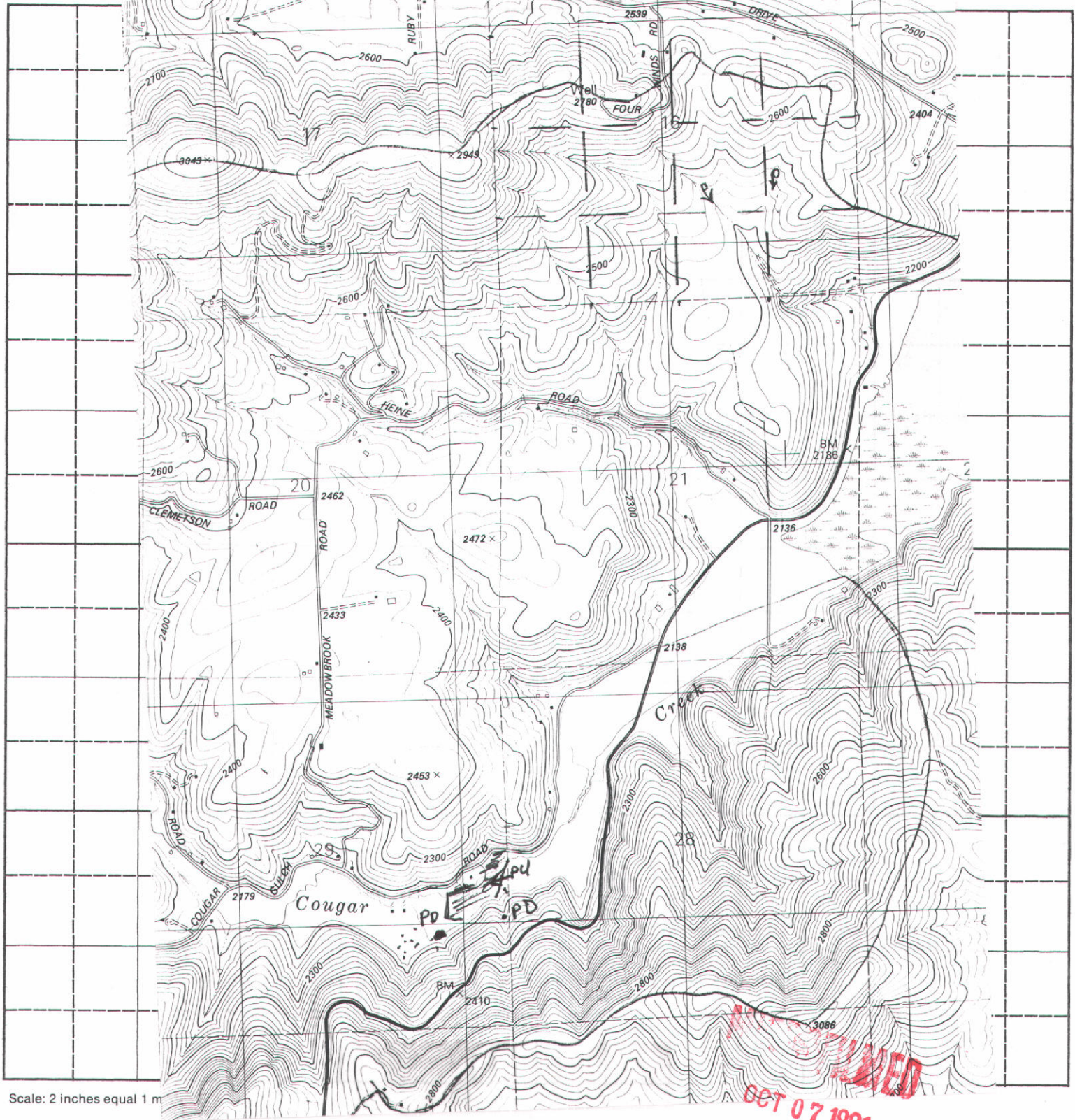
11. a. Who owns the property at the point of diversion? Applicant
- b. Who owns the land to be irrigated or place of use? Applicant
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: _____

OCT 07 1991

13. Map of proposed project: show clearly the proposed project, number, to:

number,



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.

Diane E. Pouchon

(Applicant)

Received by DL Date 7/31/91 Time 1:30 pm Preliminary check by SK
Fee \$ \$45 Receipted by DL # W00 4721 Date 7/31/91
Publication prepared by [signature] Date 8/7/91 Published in COA Q1 8/15+22/91
Publication approved [signature] Date 8/23/91

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. _____, and said application is hereby _____.

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 _____, 19 ____.

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. The water right acquired under this permit if 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 permit 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 permit.

e. Other:

OCT 07 1991

[illegible][illegible][illegible][illegible]

LICENSE REVIEW CHECKLIST

PERMIT NO. 95-08707 DATE 6/15/98 REVIEWER: SHARLA

NAME OK Change/OK
 Address OK
 SOURCE add Sugar Creek Does change clarify orig. intended source? If no, Void permit
 POINT OF DIV Chg ☐ Change (P39 /P47) ☒ Add (P45/P42) ☐ Feds - P40
 W32 (multiple in 1/4/4)
 W36 (overlap)
 W59 (subd. desc)

Overlaps: Right(s): _____
 File reviewed _____ Profile reports printed _____

PLACE OF USE OK ☐ Change (P41/P47) ☐ Add (P41/P42) ☐ Feds - P43
 W60 (subd. desc)
 W27 (ppu acre limit)

Overlaps: Right(s): _____
 File reviewed _____ Profile reports printed _____

PD & PU amend (P37) ☐ Feds - P48

RATE OF DIV
 Permitted Rate .24 cfs
 Fee limit .20 cfs \$50.00
 Measured .17 cfs sp heads + .03 discharge into creek
 Theoretical .17 cfs at 110psi and 20' lift from springs
 Recommended Total Div Rate .20 cfs

WATER USES	<u>OK</u>	Change (P46)	
<u>Dr.</u>	<u>.20</u> cfs	<u>12x3.0af</u>	Irrig - overlap (R58-R61, R62-R65, R66-R69)
	cfs	af	supp. gw (WB7/065/079)
	cfs	af	overlap spec. combined rts (W35)
	cfs	af	<1acre (W31)
	cfs	af	Domestic (W01/WB5/070/071/075)
TOTALS	<u>.20</u> cfs	<u>36.0</u> af	Power (W42 or W43/025/027/R22 or R23)
			Fish (042) Fire (077) Wtr Quality (081/R07)

Flow rate .20 cfs X 246 days X 1.98 = 97.4 af

REMARKS _____

ADD'L CONDITIONS ROF Watermaster Control WD# 95C
OH GW Measurement/Measuring Device
☐ Others ☐ Trust (052/R55 - remove 051) ☐ Non-trust (048/049)

Advance Priority ☐ yes ☐ no SRBA Claim _____ Adjust Memo 3.0af/ac
 Amend letters P45 P38
P42

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 27 1998

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 95-08707

1. Owner: Duane & Lisa Prochnow Phone No. 667-8222

Current Address: 5140 Cougar Gulch Rd. Coeur d'Alene, Id. 83814

2. Accompanied by: Duane Prochnow EXAM DATE: 8-27-96

Address: Same as Above Phone No. Same as Above

Relationship to Permit Holder: Permit Holder

3. Source: (2) two Springs tributary to Cougar CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-02086

2. Other water rights with the same point of diversion: N/A

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
SP#1		SE	NE	SE	29	5DN	04W	Kootenai	U.S.G.S. Topo; Site Visit
SP#2		SW	NE	SE	29	5DN	04W	Kootenai	U.S.G.S. Topo; Site Visit
P.D.#1		NE	NE	SE	29	5DN	04W	Kootenai	U.S.G.S. Topo; Site Visit

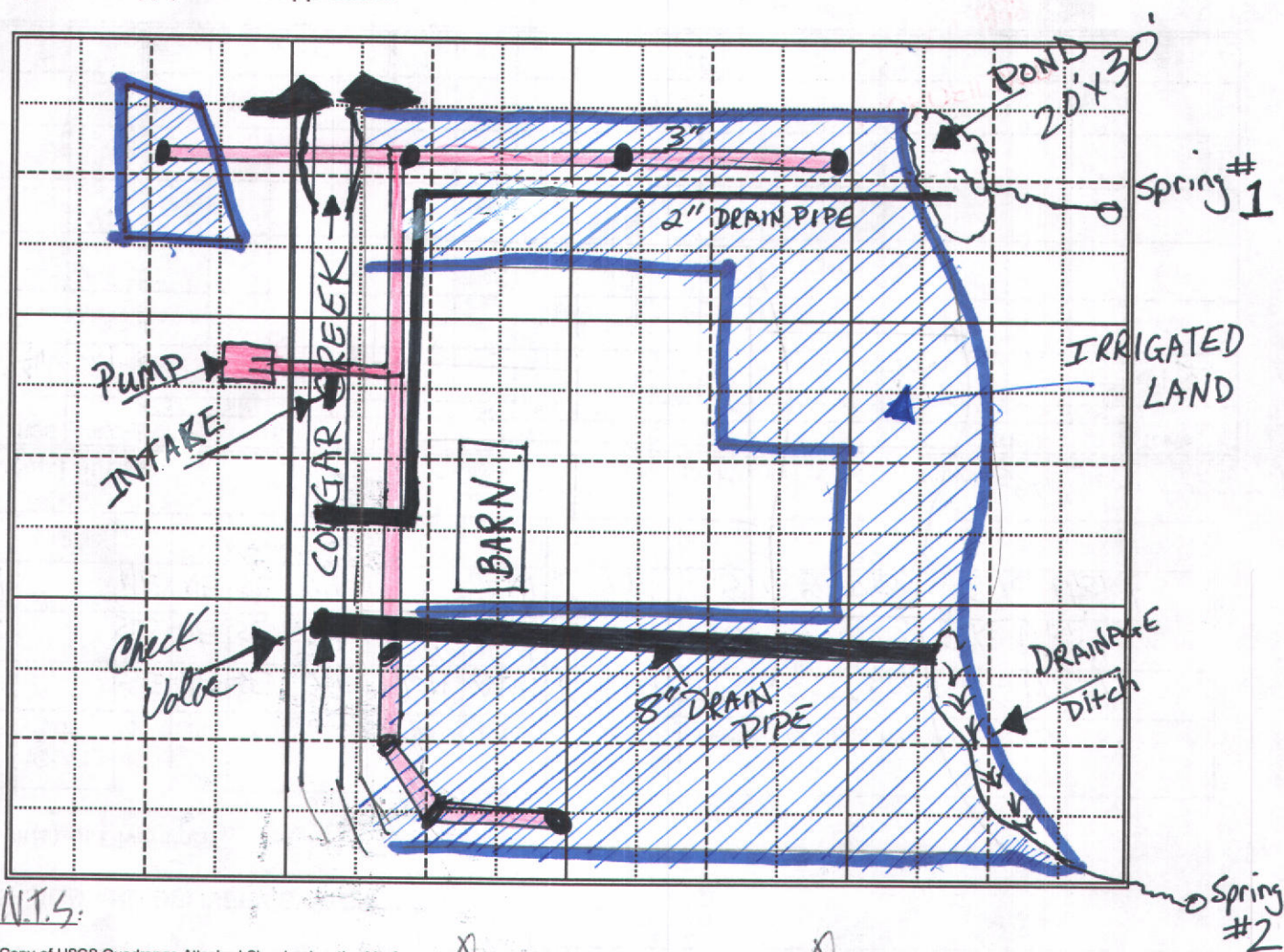
2. Place(s) of Use:

Indicate Method of Determination Site Visit / USGS Topo

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5DN	04W	29																12	12

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



Scale: 1" = N.T.S.

☒ Copy of USGS 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)

☒ 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
DIVERSION #1	Marathon	7.5		Berkley	SN# 5140492

*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
Nelson Big Gun Sprinkler	Head	F/100T			50	

2. Measurements: 50 in Nozzle @ 110 psi = 76 gpm or .17 cfs

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SEP 29 1998

E. NARRATIVE/REMARKS/COMMENTS

Spring #1 is collected in a natural catch basin. A buried 2" line is used to siphon spring water to Cougar Creek. This catch basin is approx. 20' x 30' x 4' feet deep.

Spring #2 is collected in a man made catch basin built originally to dewater irrigable land. This catch basin is approx. 250' x 8' x 3' feet deep. A buried 8" line is used to siphon spring water and is discharged into Cougar Creek.

Both springs are discharged into Cougar Creek above the irrigation systems diversion point.

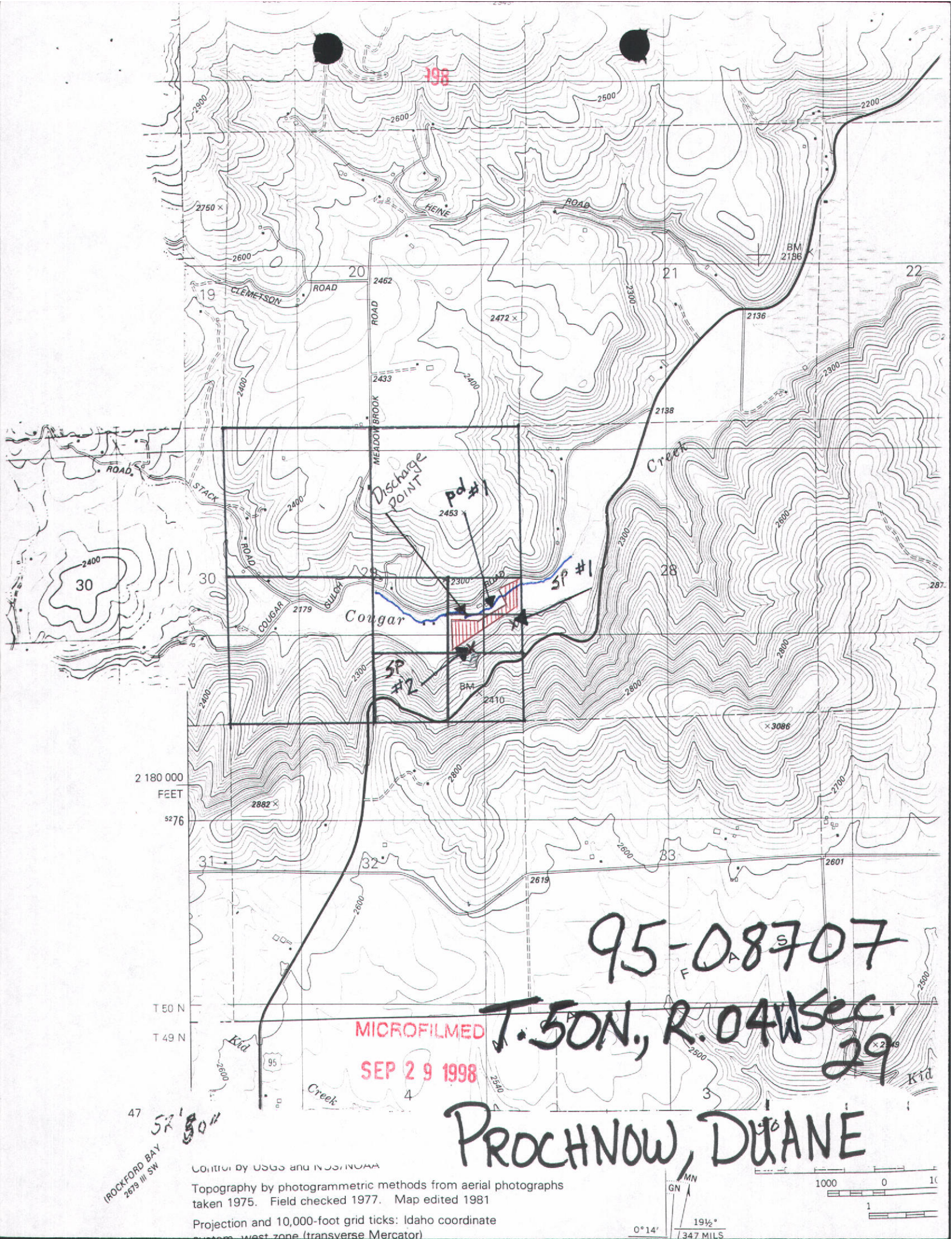
The discharged water is then pumped out of Cougar Creek for the irrigation of 12 acres. The system consists of a 7.5 hp. Marathon Electric Motor with a Berkley pump. From the pump station a 3" main line splits and runs approximately 700' ft. upstream to 4 risers. The other line runs downstream approximately 400' to 2 risers south of Cougar Creek and 1 riser north of Creek. The 1 riser north of the Creek is used to irrigate 1 acre.

A mobile 1 1/2" inch hose reel is used to hook-up to the eight (8) risers to irrigate the 12 acres.

* This system is designed for efficiency and convenience. Applicant needs to file for irrigation from Cougar Creek as supplemental to springs.

Have conditions of permit approval been met? ☒ yes ☐ no

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SEP 29 1998



ROCKFORD BAY
2079 III SW

47 52' 50"

Control by USGS and NGS/NOAA
Topography by photogrammetric methods from aerial photographs
taken 1975. Field checked 1977. Map edited 1981

Projection and 10,000-foot grid ticks: Idaho coordinate
system, west zone (transverse Mercator)

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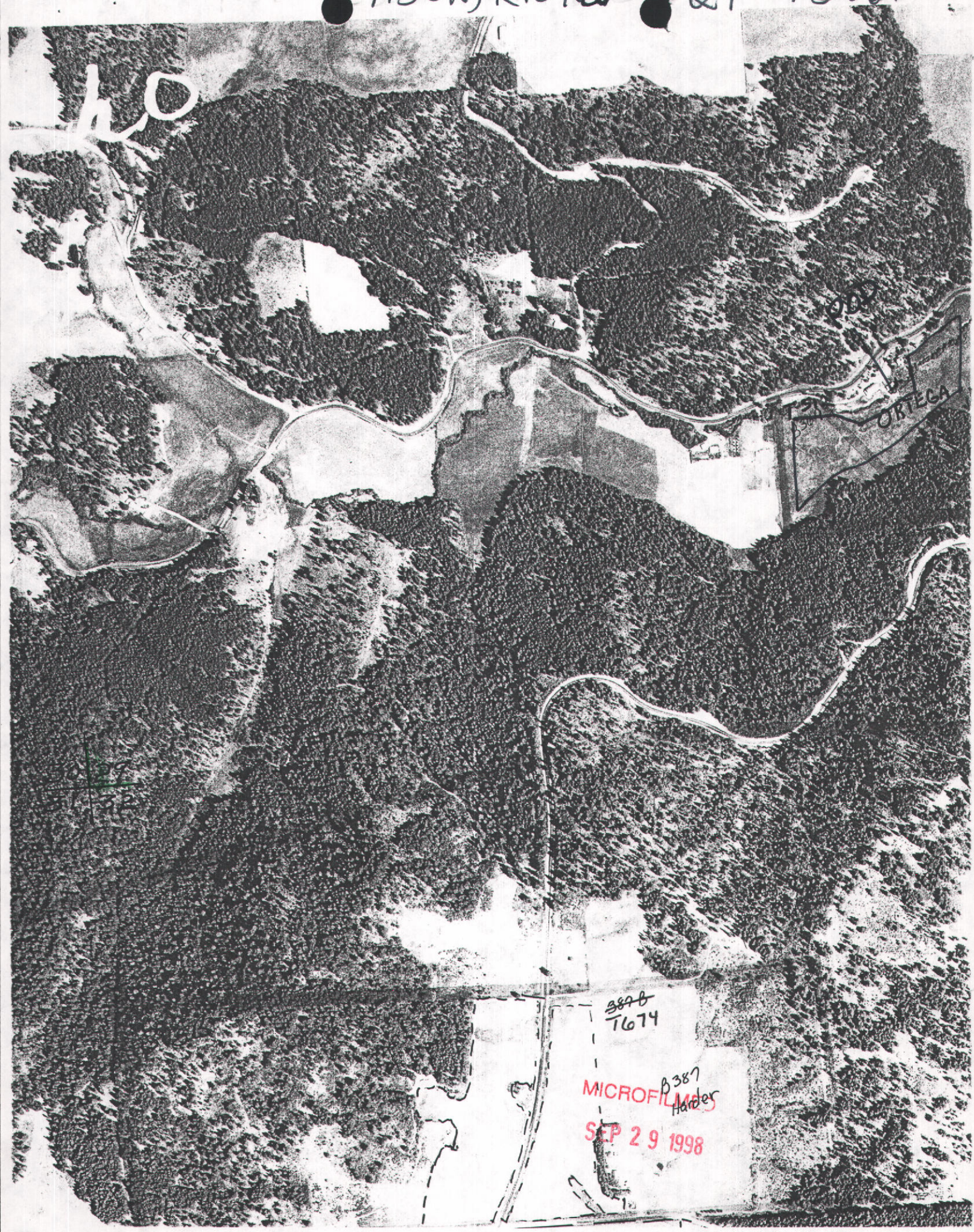
95-08707
T. 50N., R. 04W Sec. 29
PROCHNOW, DUANE

GN
MN

0° 14' 19 1/2°
1/347 MILES

1000 0 1000
1
1/347 MILES

T.50N, R.04W Sec. 29 95-08707



ORTEGA

3878
7674
MICROFILM
SEP 29 1998

7/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
OPEN CHANNEL DISCHARGE MEASUREMENT NOTES

GENERAL INFORMATION

CLAIM / WATER RIGHT NUMBER: 95-08707

SOURCE: SPRINGS #1 and #2
 TRIBUTARY TO: Cougar Creek COUNTY: Kootenai
 DATE: 8-6-97 LOCATION: T. 50N R. 04W SEC. 29, SE 1/4 NE 1/4 SE 1/4
 LOCATION NOTES: Spring #2 is located in Sec. 29 Also, but in the SW 1/4 NE 1/4 SE 1/4
 PERSON(S) CONDUCTING MEAS.: Dave Page, Herm Spangle
 ACCOMPANIED BY: -

MEAS. DEVICE Bucket Method (4 gal.) I.D. NO. -
 SPIN TEST: BEFORE MEAS. - AFTER MEAS. -
 COMPUTED BY: - DATE: - CHECKED BY: - DATE: -

RESULTS

WIDTH: - AREA: - VEL.: - DISCHARGE: .019 cfs

MEASUREMENT DATA

CROSS SECTION: Totals = #2 1.59 gpmFLOW CONDITIONS: #1 + 6.85 gpmDIVERSIONS UPSTREAM: 8.44 gpmREMARKS: *Measurement made late in summer, Pimtee. stated for .019 cfs that early in season 8" pipe drain runs full.SYSTEM DIAGRAM Measurements: H. Spangle 8-6-97

Spring #2 ①

$$\begin{array}{r} 4 \text{ gal} @ 2:33 \\ \times \quad 60 \\ \hline = 240 - \\ 1.53 \text{ seconds} \\ \hline = 1.57 \text{ gpm} \end{array}$$

Spring #1 ①

$$\begin{array}{r} 4 \text{ gal} @ .36 \\ \times \quad 60 \\ \hline = 240 - \\ 36 \\ \hline = 6.67 \text{ gpm} \end{array}$$

②
$$\begin{array}{r} 4 \text{ gal} @ 2:31 \\ \times \quad 60 \\ \hline = 240 - \\ 151 \\ \hline = 1.59 \text{ gpm} \end{array}$$

②
$$\begin{array}{r} 4 @ .35 \\ \times \quad 60 \\ \hline = 240 - \\ 35 \\ \hline = 6.85 \text{ gpm} \end{array}$$

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U.S. UNITS

METRIC UNITS

MODELS F100T, P100T & PC100T

Table with 10 columns: P.S.I., Nozzle 5" GPM DIA., Nozzle 5.5" GPM DIA., Nozzle 6" GPM DIA., Nozzle 6.5" GPM DIA., Nozzle 7" GPM DIA., Nozzle 7.5" GPM DIA., Nozzle 8" GPM DIA., Nozzle 8.5" GPM DIA., Nozzle 9" GPM DIA. Rows 40 to 110.

The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

MODELS F100R, P100R & PC100R

Table with 8 columns: P.S.I., Ring 7.12" GPM DIA., Ring 7.68" GPM DIA., Ring 8.12" GPM DIA., Ring 8.57" GPM DIA., Ring 8.95" GPM DIA., Ring 9.27" GPM DIA., Ring 9.65" GPM DIA. Rows 50 to 110.

The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

MODELS F100T, P100T & PC100T

Table with 10 columns: NOZZLE DIAMETER (0.5", 0.55", 0.6", 0.65", 0.7", 0.75"), PRESSURE (Kg/cm²), and flow rate in L/S and M³/H. Rows 3.0 to 8.0.

The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

MODELS F100R, P100R & PC100R

Table with 6 columns: NOZZLE DIAMETER (0.712", 0.768", 0.812", 0.857", 0.895"), PRESSURE (Kg/cm²), and flow rate in L/S and M³/H. Rows 3.5 to 8.0.

The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

MODELS F150T & P150T

Table with 8 columns: P.S.I., Nozzle 8" GPM DIA., Nozzle 9" GPM DIA., Nozzle 10" GPM DIA., Nozzle 11" GPM DIA., Nozzle 12" GPM DIA., Nozzle 13" GPM DIA., Nozzle 14" GPM DIA. Rows 50 to 120.

The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F150T & P150T

Table with 6 columns: NOZZLE DIAMETER (0.7", 0.8", 0.9", 1.0", 1.1"), PRESSURE (Kg/cm²), and flow rate in L/S and M³/H. Rows 3.5 to 9.0.

The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F150R & P150R

Table with 8 columns: P.S.I., Ring 8.6" GPM DIA., Ring 9.7" GPM DIA., Ring 10.6" GPM DIA., Ring 11.6" GPM DIA., Ring 12.6" GPM DIA., Ring 13.6" GPM DIA., Ring 14.1" GPM DIA. Rows 50 to 120.

The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F150R & P150R

Table with 6 columns: NOZZLE DIAMETER (0.86", 0.97", 1.08", 1.18", 1.26"), PRESSURE (Kg/cm²), and flow rate in L/S and M³/H. Rows 3.5 to 9.0.

The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F200T & P200T

Table with 10 columns: P.S.I., Nozzle 1.05" GPM DIA., Nozzle 1.1" GPM DIA., Nozzle 1.2" GPM DIA., Nozzle 1.3" GPM DIA., Nozzle 1.4" GPM DIA., Nozzle 1.5" GPM DIA., Nozzle 1.6" GPM DIA., Nozzle 1.75" GPM DIA., Nozzle 1.9" GPM DIA. Rows 60 to 130.

The diameter of throw is approximately 2% less for the 24° trajectory angle and 5% less for the 21° trajectory angle.

MODELS F200T & P200T

Table with 10 columns: NOZZLE DIAMETER (1.05", 1.1", 1.2", 1.3", 1.4", 1.5", 1.6", 1.75", 1.9"), PRESSURE (Kg/cm²), and flow rate in L/S and M³/H. Rows 4.0 to 9.0.

The diameter of throw is approximately 2% less for the 24° trajectory angle and 5% less for the 21° trajectory angle.

MODELS F200R & P200R

Table with 10 columns: P.S.I., 1" Ring (1.29" actual) GPM DIA., 1" Ring (1.46" actual) GPM DIA., 1" Ring (1.56" actual) GPM DIA., 1" Ring (1.67" actual) GPM DIA., 1" Ring (1.74" actual) GPM DIA., 1" Ring (1.83" actual) GPM DIA., 2" Ring (1.93" actual) GPM DIA. Rows 50 to 130.

The diameter of throw is approximately 2% less for the 24° trajectory angle and 5% less for the 21° trajectory angle.

MODELS F200R & P200R

Table with 6 columns: NOZZLE DIAMETER (1.29", 1.46", 1.56", 1.66", 1.74"), PRESSURE (Kg/cm²), and flow rate in L/S and M³/H. Rows 4.0 to 9.0.

The diameter of throw is approximately 2% less for the 24° trajectory angle and 5% less for the 21° trajectory angle.

PERMIT # 95-08707

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
REPORT SUB

PHOTOGRAPH



Motor & Pump
Diversion Point



Hose Reel
SEP 29 1998



PERMIT # 95-08707

STATE OF IDAHO
DEPARTMENT OF WATER
AND REPORT SUPPLY
PHOTOGRAPH



Catch Basin #1
Place of use



Catch Basin #2
MICROFILMED
9/1998
Place of use



95-08707

PERMIT #

STATE OF I
MENT OF WAT
LD REPORT S
HOTOGR

NORTH SIDE OF Creek
Place of use

95-08707

95-08707

95-08707

PLACE OF USE

SET 29 1998
MICROFILMED

PERMIT # 95-08707

STATE OF IDAHO
DEPARTMENT OF WATER
AND REPORT SU
PHOTOGR



Spring #2
Spring #2



8" DRAIN from POD #2
MICROFILMED
SEP 29 1998
Spring #4



December 10, 1991

MEMO TO FILE # 95-08707

HERMAN L. SPANGLE

PERMIT # 95-08707 has a point of diversion from 2 springs for the irrigation of 12 acres. The system was designed for the springs to be diverted from 2 catch ponds to the upstream side of the actual point of diversion which is on Cougar Creek.

Through conversations with Shelley Keen we can recommend Licensing the springs, but we need to conduct streamflow measurements above and below the springs discharge point.

The applicant has been contacted to make another filing for the point of diversion from Cougar Creek.

MICROFILMED
SEP 29 1996

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 95-08707 Reviewed by Klg Date 8/19/93

GENERAL CONSIDERATIONS

TYPES OF USE

yes Name same as permit? irrigate - 12
yes Address same as permit?
yes Proof timely received? Correct Uses? yes
If not, complete calculation below.

SOURCE OF WATER

✓ Surface water source
Ground water source
NA Drilling permit required?
Copy in the file? Drilling Permit No. _____
Amount paid for permit _____ Correct?
Well log in the file?

LICENSE EXAMINATION FEE

yes Required?
50 Amount Submitted
yes Correct?

MEASURING DEVICE

NA Required?
/ Installed?
/ Waiver requested?

PRIORITY CALCULATION

Date proof received NA
Date proof due _____ - _____
No. of days late _____ = _____
Priority Date _____ + _____
New Priority Date _____

DEFICIENCIES OR ACTION ITEMS

proof acceptable

DATA ENTRY

New Address _____

Proof Made 8/19/93 8/20/93
Klg

APPLICATION FOR PERMIT REVIEW

Application #: 95-8767

Reviewer: Pam Skaggs *CS*

Date: 9-10-91

Existing:

✓ No - 26A-P17

Complete in 1 year - P16

Yes

Proof not submitted - P16

Proof submitted - N/A

Groundwater:

GT. 0.2 cfs - 01G-P03, 01C-P03 (existing well)

LT. 0.2 cfs - N/A

Drilling Permit:

Approved w/permit - P99

Not included - 046-P23 (All GW, even existing wells)

Location:

Water Districts - WD No. _____

Surface water - 005, 005-01H-P01 (LT.2 w/pump)
005-01J-P08 (GT.2)

Groundwater - P05

Irrigation Districts - 023

Canal Co. Areas - 023

Drainage Districts - 024

Boise Front (63) - 058 (Groundwater)

✓ Swan Falls Flag - _____ (1, Blank or Other)

Trust - 051-052-053-P74 (Consumptive Uses)

Non Trust - 048-049

River Basins:

(Surface Water) Water District Control Condition &....

Boise (63) - 05A & 11E

Payette (65) - 047-P04, 059-P71

Snake (01, 02 & 03) - 11A-P04 (01), 061-P07 (02/03 No W.D.Cond.)

Use:

Fish Propagation - 06A, 09E-P10 & 010 (WQ/Choose One),
042 (req.), 002-P06 (MD), 07A (Spec.),
044 (Policy 5G)

Power - Use Power Review

Mining - 06A or 010, 09E-P10 & 054 (req.)

Storage - 18A-for multiple measuring devices (In WD),
18B-P09 (Size)

Rec. & Aesthetic - 027 (Non-Consumptive)

Domestic - 021 (restricted areas)

Ownership:

Non land owner - 004

Protested:

Agreement - 020

✓ Beneficial Use Due Date: - 09-01-1993

Other Conditions Recommended _____

RECEIVED

OCT 07 1991

No. a
4/87-4/91n

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

INITIAL REVIEW BY: Kuc DATE 8/5/91 APPLICATION NUMBER: 95-8767

APPLICANT: Prochnow

REQUIRED INFORMATION

- (1). ☒ Name and Address:
(2). ☒ Source:
(3). ☒ Point of diversion including county:
(4). ☒ Quantity:
☒ Nature of proposed use:
☒ Period of use:
(5). ☒ Total Quantity:
(6). ☒ Description of diverting works:
(7). ☒ Time required for beneficial use of water:
(8). ☒ Proposed uses:
(9). ☒ Place of use or acres irrigated:
(10). ☒ Other Water Rights:
(11). ☒ Ownership:
(12). ☒ Map:
(13). ☒ Signature:
☒ Fee: (Amount, receipt number and date recorded on application)
☒ Overlap Review: Attachments? (Y) X (N) Remarks: (Y) (N) X
() Acknowledgment Letter:

ADDITIONAL INFORMATION

Yes No

- ☒ Field check: Checked by: Field report attached
☒ Critical ground water area:
☒ Groundwater management area:
☒ Send dam safety information:
☒ send letter for additional fish information:
☒ Send letter for additional power information:
☒ Diversion greater than 5 cfs of 500 af: Supplemental Analysis sheet 8/2/91
☒ Well drilling permit required: # - - - N-

RECEIVED

Department of Water Resources

Processing

Yes No

- ☒ In form for advertising: Proposed priority date 7/31/91
☒ Statewide advertising: (10.00 cfs of more, 1,000 afa or more.) TVK

Send Copies to

	Yes	No		Yes	No		Yes	No
<u>Adj. Bureau</u>	☐	☐	<u>Idaho H & W</u>	☐	☐	<u>USFS</u>	☐	☐
<u>GW Prot. Div</u>	☐	☐	Coeur d'alene	☐	☐	Panhandle N. F.	☐	☐
<u>Idaho F & G</u>	☐	☐	Lewiston	☐	☐	Coeur d'alene	☐	☐
Coeur d'alene	☐	☐	<u>BLM</u>	☐	☐	Clearwater N. F.	☐	☐
Lewiston	☐	☐	<u>US Corps. of Eng.</u>	☐	☐	Orofino	☐	☐
<u>Dept. Lands</u>	☐	☐	<u>Other</u> <u> </u>	☐	☐	Nez Perce N. F.	☐	☐
						Grangeville	☐	☐

Application Number 95-8707

___ ✓ Additional information received:
 ___ ✓ Notice of pending void order issued: Final date of order response. _____
 ___ ✓ Comments added
 ___ ✓ Maps Copied

✓ ___ Affidavit of publication received:

✓ Application published correctly: If not, record action taken.

1 Publication dates and paper recorded on application:

Protests received, Final date for protest 9/3/91

 ✓ Recommendations attached:

 ☒ Measuring device required:

 ✓ Measuring port required:

 ☒ Water delivered by water master? District # 95 B

Special conditions of approval or cover letter: (see additional info. below)

Approval Recommended by: T.D.K. RYH Date 9/5/91

STATE OFFICE REVIEW

See remarks for additional information. By _____ Date _____

REMARKS