

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

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

CIVIL CASE NUMBER: 39576

Ident. Number: A22-07445
Date Received: 8/16/1988
Receipt No: EC01322
Received By: PRM

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: DAVID E. HARDIN 208-356-7644
Address: 130 NORTH 2162 WEST
REXBURG, ID 83440
OR
Name: BONNIE L. HARDIN 208-356-7644
Address: 130 NORTH 2162 WEST
REXBURG, ID 83440

2. Date of Priority: JUN 07, 1983

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
06N	39E	23	SE	SE			MADISON

5. Description of diverting works:
WELL, PUMP AND PRESSURE TANK

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	0.020		
STOCKWATER	01/01	12/31	0.020		
DOMESTIC	01/01	12/31	0.040		

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

8. Total consumptive use is 3.5 Acre Feet Per Annum.

9. Non-irrigation uses:
S/TWO RANGE CATTLE, D/ONE HOME

A22-07445

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Date: 08/16/88

A2207445



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10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
06N	39E	23	SE	SE		IRR	1.0
			SE	SE		DOMEST	
			SE	SE		STOCK	
					Section Acres		1.0
					Total Acres		1.0

11. Place of use in counties: MADISON

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

13. Other Water Rights Used:
NONE

14. Remarks:

15. Basis of Claim: PERMIT

$$\frac{d}{dt} \left(\int_{\Omega} u^2 dx + \int_{\Gamma} u^2 d\sigma \right) = -2 \int_{\Omega} u \Delta u dx - 2 \int_{\Gamma} u \nabla_n u d\sigma$$

16. Signature(s)

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

Number of attachments: _____

For Individuals:

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

Signature of Claimant(s): X David E. Hardin Date: X 8/16/88

Date: _____

State of Idaho)
County of Bonnieville) SS.

Subscribed and sworn (or affirmed) before me this 16th day
of August 19 88

Betty J. Thompson
Notary Public

Seal



Residing at Idaho Falls
My Commission Expires 6-94

Log for claim 22-07445

Spatial Dynamics LTD

7/12/01

TR	SEC	QQ	Acres Claimed	Acres Found	COMMENT
06n39e	23	SESE	1	2.5	POD placement? / Indiscernible
Totals:			1	2.5	

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE
WATER RIGHT NO. 22-07445

Priority: June 7, 1983 Amount: 0.08 CFS 4.9 AFA

This is to certify, that DAVID E. HARDIN
BONNIE L. HARDIN

RT. 1 BOX 182
REXBURG, ID 83440 has complied with the terms and conditions
of the permit issued pursuant to Application for Permit dated June 7, 1983, and
has submitted proof to the Department of Water Resources on May 16, 1985, that
water has been applied to a beneficial use; an examination by the Department indicates
that the works have a diversion capacity of .120 cfs of water from a GROUNDWATER
source and that a water right has been established as follow:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>VOLUME</u>
IRRIGATION	04/01 to 11/01	0.02 CFS	3.5 AFA
STOCKWATER	01/01 to 12/31	0.02 CFS	0.2 AFA
DOMESTIC	01/01 to 12/31	0.04 CFS	1.2 AFA
	Totals	0.08 CFS	4.9 AFA

LOCATION OF POINT OF DIVERSION(S): SESE , Sec. 23, Township 06N, Range 39E
MADISON 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>
06N	39E	23	SESE	1		1

Total number of acres irrigated: 1

PLACE OF USE: STOCKWATER, same as IRRIGATION use

PLACE OF USE: DOMESTIC, same as IRRIGATION use

CONDITIONS/REMARKS:

1. The right to the use of water hereby confirmed is limited to the amount which can actually be beneficially used and is restricted and appurtenant to the lands or place of use and to the purpose herein described, as provided by the laws of Idaho.
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.

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WATER RIGHT LICENSE
WATER RIGHT NO. 22-07445

CONDITIONS/REMARKS:

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 12TH
day of DECEMBER, 19 88

Acting for the Director

Norman C. Young

RECORDED

DEC 19 1988

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant **David E. or Bonnie L. Hardin** Phone **356-7644**Post office address **Rt. 1, Box 182, Rexburg, ID 83440**2. Source of water supply **Groundwater** which is a tributary of3. Location of point of diversion is **SE** $\frac{1}{4}$ of **SE** $\frac{1}{4}$ of Section **23** Township **6N**Range **39E** B.M. **Madison** County, additional points of diversion if any:

4. Water will be used for the following purposes:

Amount **0.04** for **Domestic** purposes from **1-1** to **12-31** (both dates inclusive)
(cfs or acre-feet per annum)Amount **0.02** for **Irrigation** purposes from **4-1** to **11-1** (both dates inclusive)
(cfs or acre-feet per annum)Amount **0.02** for **Stockwater** purposes from **1-1** to **12-31** (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:

a. **0.08** cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. **Well, pump, pressure tank**
with distribution lines.b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir
capacity _____ acre-feet; materials used in storage dam: _____Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)c. Proposed well diameter is **6** inches; proposed depth of well is **35** feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial

use is **1** 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: **SE** $\frac{1}{4}$ of **SE** $\frac{1}{4}$ of Section **23** Township **6N**Range **39E** B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered **2 head range cattle**(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 sub-division in the tabulation below:

[illegible]

Total number of acres to be irrigated 1

c. Describe any other water rights used for the same purposes as described above.

9. a. Who owns the property at the point of diversion **Applicant**

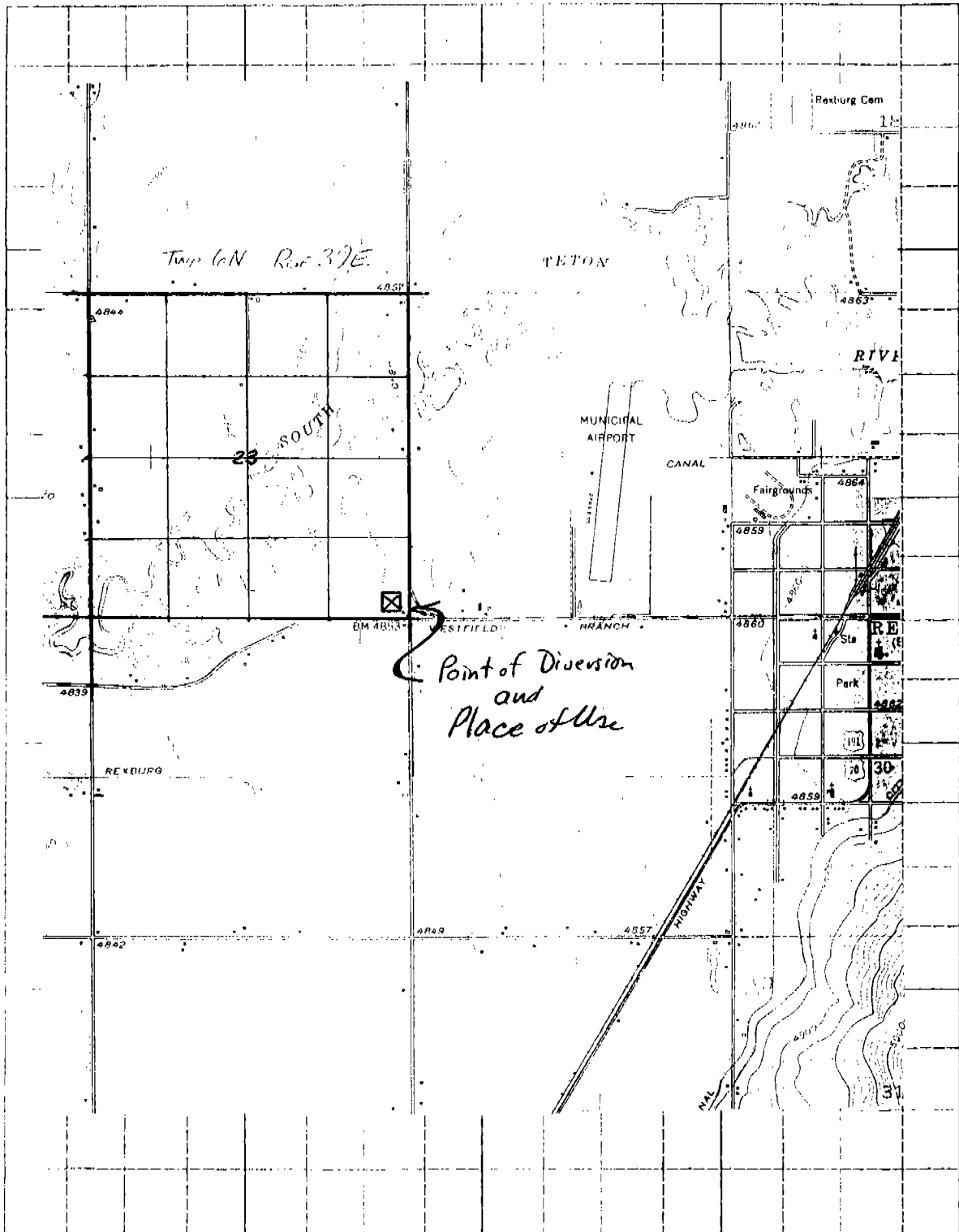
b. Who owns the land to be irrigated or place of use Applicant

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

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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.



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.

Bonnie L Hardin
(Applicant)

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

- Permit No. 22-7445
Phone No. 356-7641
1. Owner: DAVID or BONNIE HARDIN
Current Address: Rt 1 Box 182 Rexburg ID 83440
2. Accompanied by: BONNIE HARDIN EXAM. DATE: 7-17-87
Address: SAME Phone No. _____
Relationship to Permit Holder: _____
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

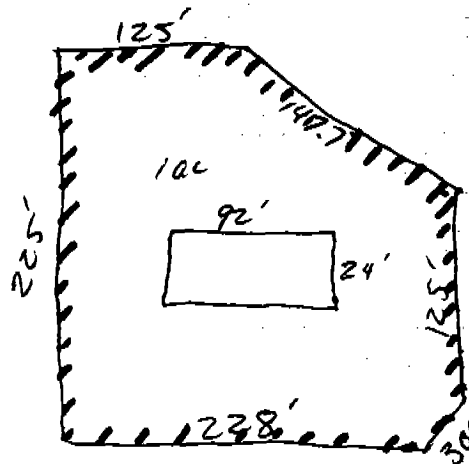
1. Other water rights with same place of use: NONE

☐ Copies Attached
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



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48
24
20
2

Scale: 1" = No Scale

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

System Description (continued)

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

WATER is pumped from a well @ a static water level of 20' with a 1.5 HP pump. Water is used in the house and also to stock trough that supply water to 2 cows. Water is also used on the pasture ground.

☐ See Remarks on page 4 for continuation

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	CHRISTENSEN	1.5	C9822R00		

*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
		SE	SE	SE	23	6N	39E	MADISON	USGS MAP

6. Place(s) of Use:

Indicate Method of Determination

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	
6N	39E	23																1	1
																		1/5	

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Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
5 gal bucket						
stop watch						

2. Measurements:

MEASUREMENT
 5 gal bucket = 25 sec 2 hoses
 5 gal bucket = 47 sec 2 hoses

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$\left(\frac{5 \text{ gal}}{25 \text{ sec}} + \frac{5 \text{ gal}}{47 \text{ sec}} \right) \times \frac{60 \text{ sec}}{1 \text{ min}} \times \frac{1 \text{ cfs}}{448.8 \text{ gal/min}} = .04 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

$$Q_{\text{fs}} = \frac{1.5 \times 8.8 \text{ ft} \times 80\%}{20' + (20' \times 2.308)} = .118 \text{ cfs}$$

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:

$$V_{\text{I.R.}} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \times 3.5 = 3.5 \text{ afa}$$

$$V_{\text{D.R.}} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .02 \times 214 \times 1.9835 = 8.5 \text{ afa}$$

$$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = 3.5 \text{ afa}$$

2. Volume Calculations for Other Uses:

1 Domestic home = 1.2 afa
 2 Head Range cattle = .2 afa

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	1-1	12-1	.04	1.2 cfs
IRRIGATION	4-1	11-1	.02	3.5
STOCKWATER	1-1	12-31	.02	.2
Totals:			.04 cfs	4.9 afa

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

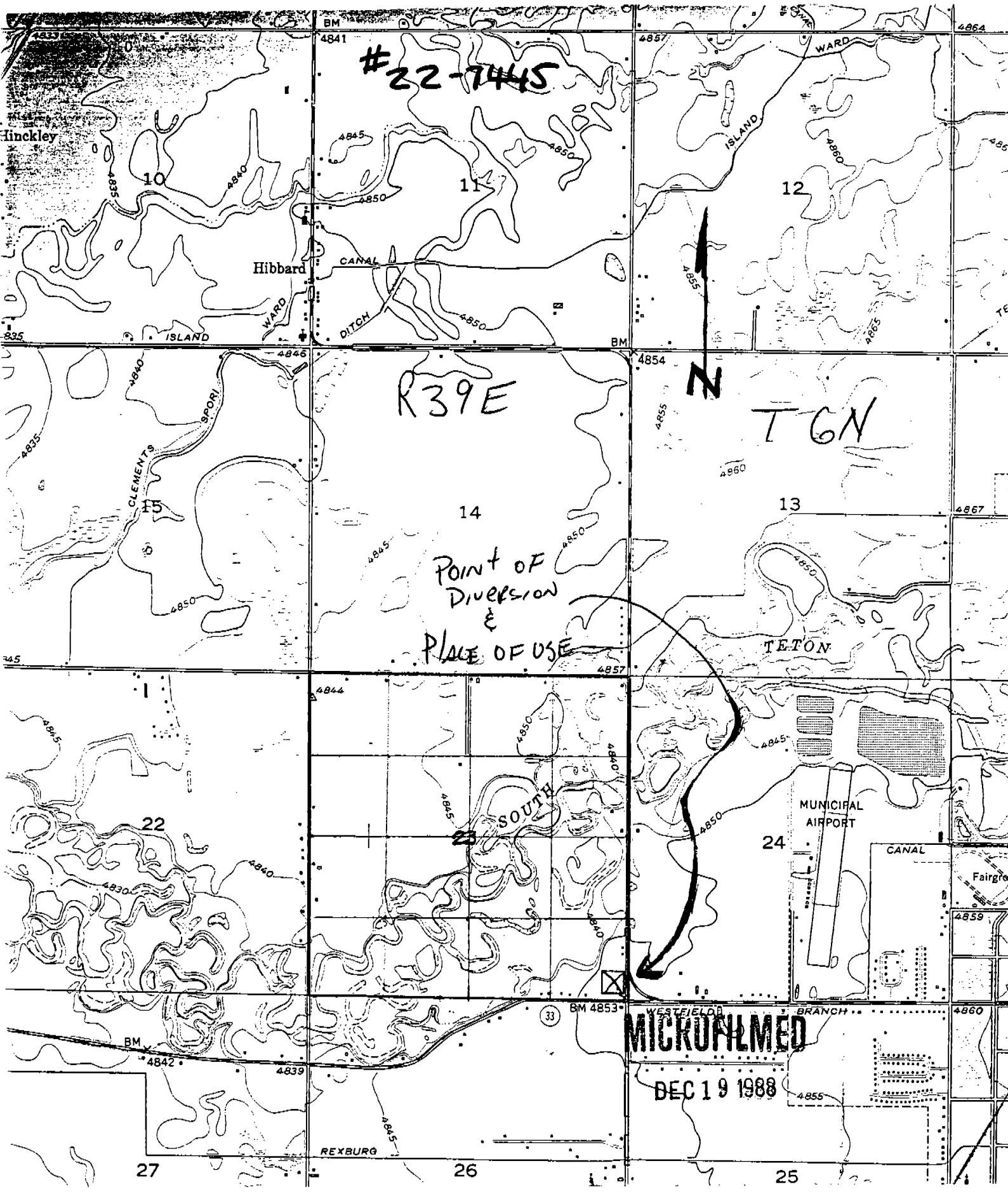
Field Examiner's Name SAMUEL D FILETTI
Signature Samuel D Filetti
Certification Date 9-30-1987
Field Report Preparation Date _____

Steve McLernick
CONSULTANT SEAL

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

Rebecca McFarthy

10/31/88



#22-7445

R39E

N

T6N

POINT OF
DIVERSION
&
PLACE OF USE

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