

12/08/2006

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 22-2139

NAME AND ADDRESS: JOHN C CUSHMAN III
691 HOLLADAY RD
PASADENA CA 91106-4112

JEANINE S CUSHMAN
691 HOLLADAY RD
PASADENA CA 91106-4112

SOURCE: NORTH TWIN CREEK

TRIBUTARY: TWIN CREEK

QUANTITY: 0.580 CFS
230.00 AFY

Right Nos. 22-2139 and 22-28 are limited to a total combined diversion rate of 0.8 cfs.

PRIORITY DATE: 07/17/1950

POINT OF DIVERSION:

T05N R44E S34 SESESE Within TETON County
T05N R44E S35 SWSWSW Within TETON County
T05N R44E S35 SESWSW Within TETON County
T05N R44E S35 SWSWSW Within TETON County
T05N R44E S35 SWSWSE Within TETON County
T05N R44E S35 SWSWSE Within TETON County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/15 10/31	0.580 CFS 230.00 AFY

PLACE OF USE: IRRIGATION in TETON County

T04N R44E S02 Lot 1 NENE	8.00	T05N R44E S35	SWNE	40.00	
T05N R44E S35	NESW	28.00	T05N R44E S35	NWSW	8.00
T05N R44E S35	SWSW	32.00	T05N R44E S35	SESW	32.00
T05N R44E S35	NWSE	40.00	T05N R44E S35	SWSE	28.00

216 ACRES TOTAL

The rights listed below are limited to the irrigation of a combined total of 407 acres in a single irrigation season. Combined Right Nos.: 22-28, 22-2139, and 22-2213.

Right Nos. 22-28 and 22-2139 are limited to the irrigation of a combined total of 216 acres in a single irrigation season.

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

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

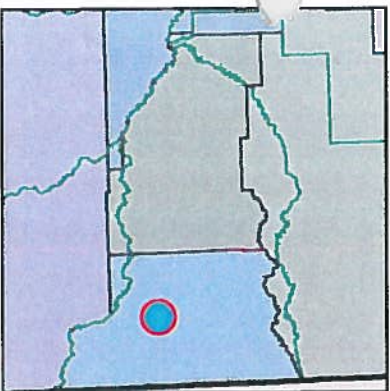
EXPLANATORY MATERIAL: BASIS OF CLAIM - License



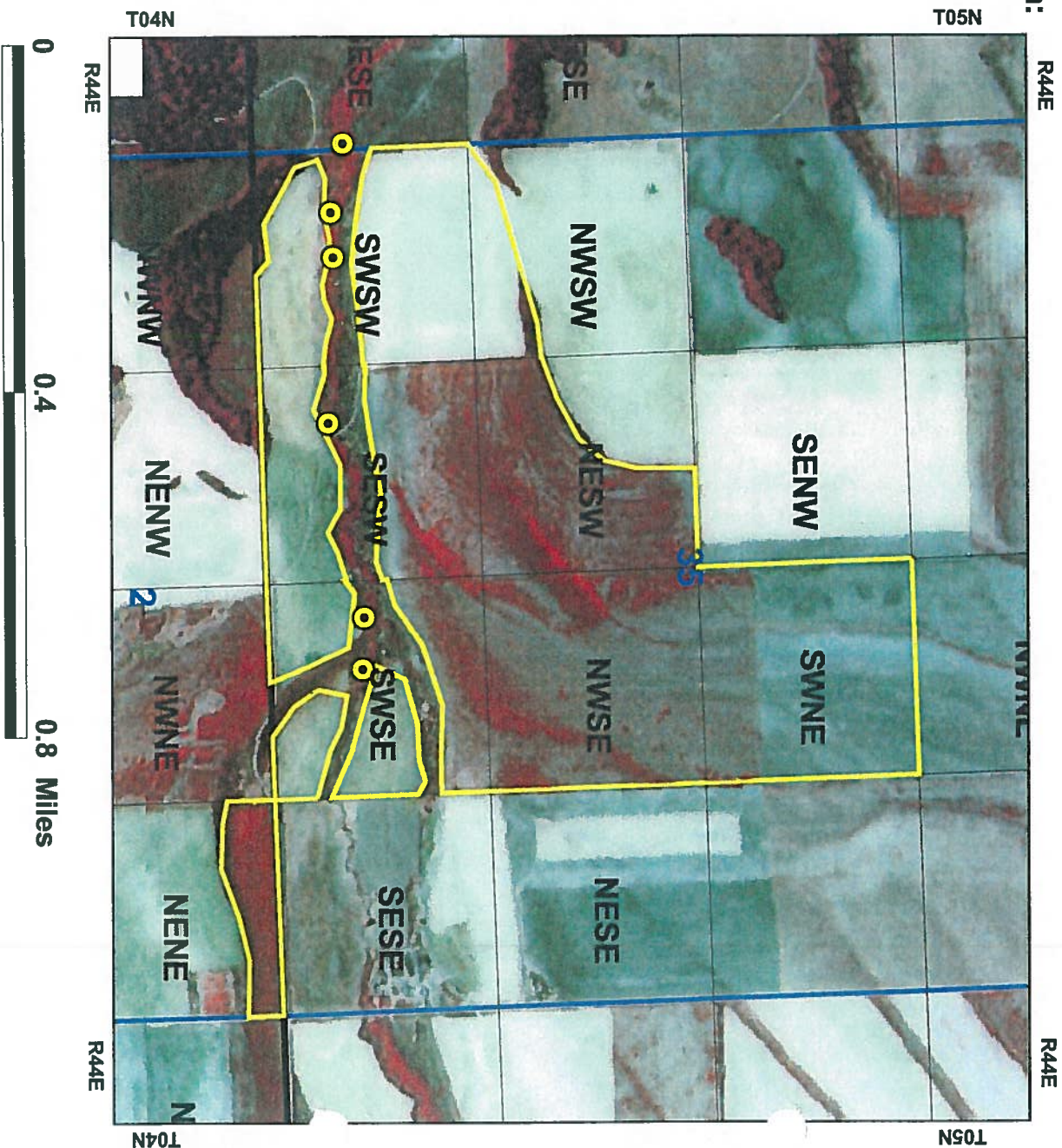
22-28

22-2139

- Point of Diversion
- ▢ Place of Use
- ▢ Townships
- ▢ PLS Sections
- ▢ Quarter Quarters



Teton County
IDWR Basin 22



**Prepared by A. Golart
On Saturday, December 2, 2006
1987/88 Aerial Photography**

22-2139

P.O.D. - see license

P.O.U. should be close to 216 ac. see license in file.

E51 - 22-28 0.58 c/s.

E55 - 22-28 216 ac. 22-2213

E56 - 22-2139, 22-28 & ~~22-2133~~ 407 ac.

22-28 -

Same P.O.U. as 22-2139

Q = 0.58 c/s.

E51 - 22-2139 0.58 c/s.

E55 - 22-2139 216 ac

K06 - 40 ac

E56 - 22-2139, 22-28 & ²²⁻²²¹³
~~22-2133~~ 407 ac.
C03 & C05

22-2213.

- shape file is same as licensed.

- E56 - 22-2139, 22-28, & ²²⁻²²¹³
~~22-2133~~ 407 ac.

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 22-02139

Priority: July 17, 1950

Maximum Diversion Rate: 0.58 CFS
Maximum Diversion Volume: 230.0 AF

It is hereby certified that FRED BOWEN
C/O MILO BOWEN
639 W 125 S
DRIGGS ID 83422

has complied with the terms and

conditions of the permit, issued pursuant to Application for Permit dated July 17, 1950; and has submitted Proof of Beneficial Use on August 18, 1952. An examination indicates that the works have a diversion capacity of 0.58 cfs of water from:

SOURCE

NORTH TWIN CREEK

Tributary: TWIN CREEK

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
IRRIGATION	04/15 to 10/31	0.58 CFS	230.0 AF

LOCATION OF POINTS OF DIVERSION:

NORTH TWIN CREEK	SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 34, Twp 05N, Rge 44E, B.M., TETON County
NORTH TWIN CREEK	SW $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 35, Twp 05N, Rge 44E, B.M., TETON County
NORTH TWIN CREEK	SW $\frac{1}{4}$ SW $\frac{1}{4}$	Sec. 35, Twp 05N, Rge 44E, B.M., TETON County
NORTH TWIN CREEK	SW $\frac{1}{4}$ SW $\frac{1}{4}$	Sec. 35, Twp 05N, Rge 44E, B.M., TETON County
NORTH TWIN CREEK	SW $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 35, Twp 05N, Rge 44E, B.M., TETON County
NORTH TWIN CREEK	SE $\frac{1}{4}$ SW $\frac{1}{4}$	Sec. 35, Twp 05N, Rge 44E, B.M., TETON County

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N 44E 2	8.0																8.0
05N 44E 35	L 1		40.0						28.0	8.0	32.0	32.0		40.0	28.0		208.0

Total Acres: 216

CONDITIONS OF APPROVAL

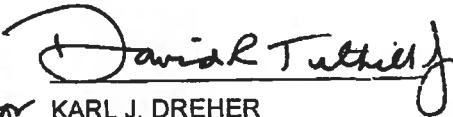
1. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 01.
2. The right holder shall maintain a measuring device and lockable controlling works of a type approved by the Department in a manner that will provide the watermaster suitable control of the diversion.
3. Right 22-28 is also diverted through one of the points of diversion in the SWSE, Section 35, T5N, R44E, B. M.

State of Idaho
Department of Water Resources
Water Right License
WATER RIGHT NO. 22-02139

4. Rights 22-28, 22-2139 and 22-2213 when combined shall not exceed the irrigation of 407 acres.
5. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the lands above.

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 used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 23rd day of November, 2005.


for KARL J. DREHER
Director

Claim No. 22-2139

Document Checklist

☒ Copy License/Decree

☐ Copy Transfer

☒ Copy Licensing Field Exam

There were two field reports. So I put them both in.

☐ Check if Ownership/Address Change is Required

☐ Generate, mail and file "Evidence of Priority" letter

☒ Generate Arcview Map

SAME Land Irrigated in Claim
028 + 2113 Re Fee To Those
Maps

NORTH TWIN CREEK IS Tributary
TO TWIN CREEK NOT Teton River

PROVIDED

SCANNED
JAN 10 2006

Water Right No(s). A 2202139



GPS DATA:

Tag # A0009559 Location: ON Rock.
A0009533 ON Colvert

Well Data:

MOTOR

Make: portable pump. Model: _____ Hp: _____
SN: _____

PUMP

Make: _____ Model: _____ Disch: _____
SN: _____

NOTES:

Water is pumped from Creek with portable pump.
into wheel + hand lines.
Same POU. other Rights used A2202219 A2200028
I don't believe they are using much water
out of Creek because of drought.

Field Exam Date: 11-17-04 Agent: Nick Olson

PROFILED

SCANNED

JAN 10 2006

Water Right No(s). _____

GPS DATA:

Tag # A0009533 Location: Culvert
A0009559 Rock

Diversion Data:

Source: North Twin Creek Trib to: Teton River

MOTOR

Make: _____ Model: _____ Hp: _____
SN: _____

PUMP

Make: _____ Model: _____ Disch: _____
SN: _____

NOTES:

Had 5 pod. Had used Traction
pump - cps All 5 sites TAGED 2
3 + 4 SITE Beginning # 1 Head of
Stream # 5 At Bottom. phia'd All
5 sites

Field Exam Date: 11-17-04 Agent: [Signature]

PROFILED

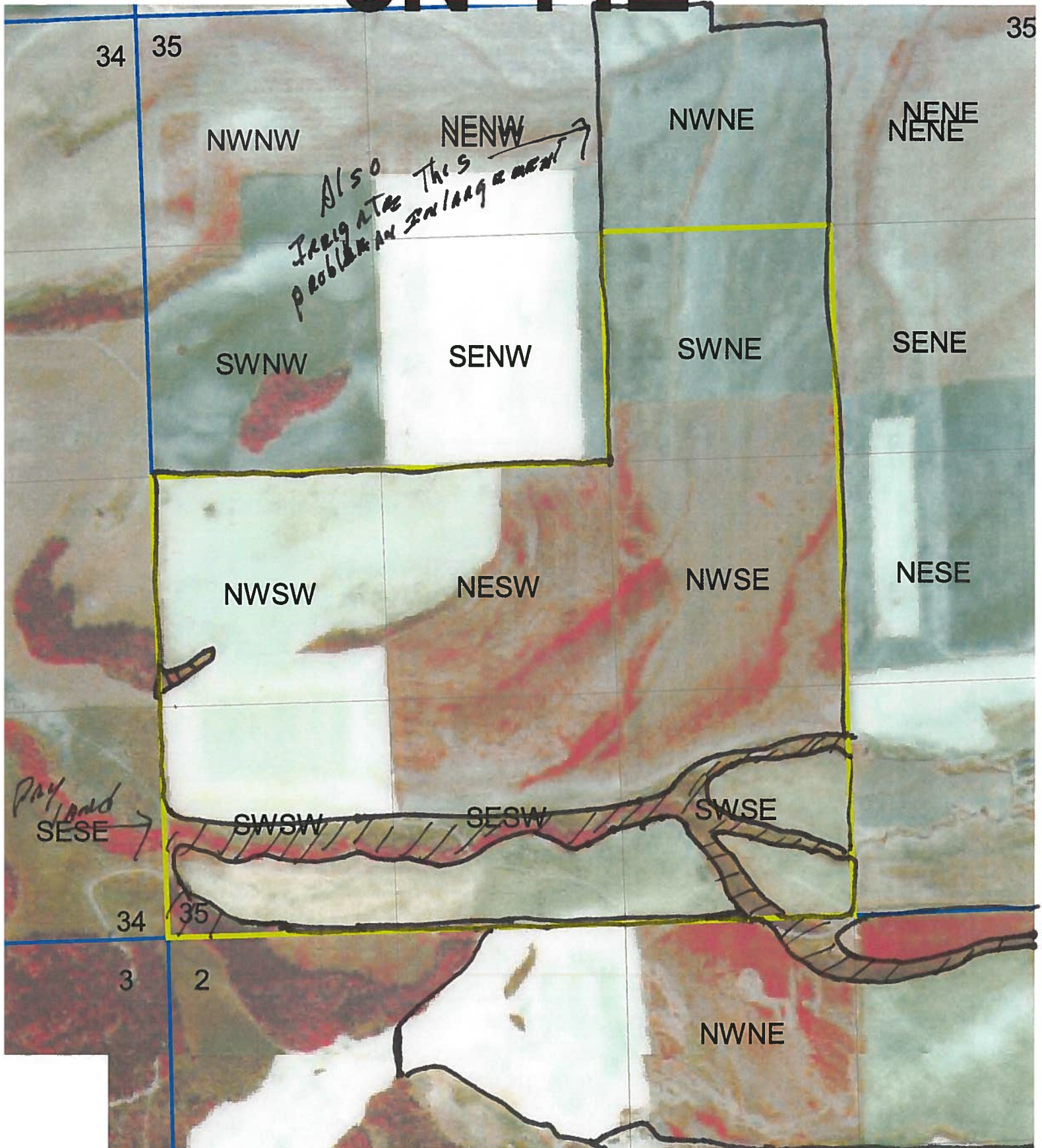
SCANNED
JAN 10 2006

22-2139

PROFILED

SCANNED
JAN 10 2006

5N 44E





State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Idaho Falls, Idaho 83402-1718 - (208) 525-7161 - Fax (208) 525-7177

EASTERN REGION

MAY 23, 1997

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

JOHN C CUSHMAN III
691 HOLLADAY RD
PASADENA CA 91106-4112

RE: CHANGE IN OWNERSHIP FOR A22-07341, -00045, -00015, -
-02213, -00028, -02139

Dear Mr. Cushman:

The request for Change in Ownership concerning the Notice(s) of Claim in the above reference has been processed and the Notice(s) modified to reflect you as the new owner.

Enclosed are copies of the Notice(s) of Claim, with your name shown as the current owner. Review the forms and if there are other corrections or questions, feel free to contact this office.

If there are no questions or corrections, please keep these Notices for your records.

Respectfully submitted,

Jo Thompson
Adjudication Secretary

Enclosure: Notices of Claim

SCANNED

JAN 10 2006

PROFILED



NEW PROPERTY OWNER NOTICE OF CHANGE OF WATER RIGHT OWNERSHIP

Please print or type
(see instructions on back of page)

DATE OF CLOSING: 12/31/86 and 3/13/92

JB
1-30-97
58 5/22/97

LEGAL DESCRIPTION OF PROPERTY: Township _____ Range See 2 Deeds ATTACHED
Section _____, 1/4 of _____ 1/4 of _____ 1/4, Govt. Lot _____, BM.
Lot _____, Block _____, Subdivision/Townsite _____
If you have additional legal descriptions, please attach separate sheet.

RECEIVED

- [] Served Only by a Public Service Water Supply (all water is received from a city or company who maintains water supply system, owns the water right, and bills the customer on a regular basis) NO - R - A 22-07341, A 22-00045, A 22-00045 JAN 30 1997
- [] Water Right Number(s) Assigned by IDWR: A 22-02213, A 22-00028, A 22-02137 Department of Water Resources System Region NO - R - PERM.
- [] Name and Address of Former Owner/Claimant(s)(Seller): Milo D. or Evelyn Bowen
639 W 125 S
Driggs, ID 83422
- [] New Owner/Claimant (Purchaser): John C Cushman III and Jeanine S. Cushman
- [] New Mailing Address: 691 Holladay Road
Pasadena, CA 91106-4112
- [] New Telephone Number: (818) 449-2319
- [] Does the change in ownership result in a splitting of the water right owned/claimed? yes X no
If yes, then describe the portion of the water right that is now owned/claimed by the new owner:

- [] Attach proof of ownership, describe proof attached: 2 Warranty Deeds
(proof of ownership must describe either the property conveyed or include the claim number. Proof of ownership is not required if this form is signed by the former owner/claimant.)
- [] Signature of New Owner/Claimant(s): X John C Cushman III Date 1-27-97
X Jeanine S Cushman Date 1-27-97
- [] Signature of Former Owner/Claimant(s): _____ Date _____
_____ Date _____

(Signature of former claimant(s) is not required if proof of ownership is attached.)

FOR IDWR USE ONLY:
Initial Review and Data-Entry
Date: _____ By: _____
Further Action Needed:
Further Action Taken
Date: _____ By: _____
Final Review and Data-Entry
Date: _____ By: _____
Claim Numbers of Split, if any:

SCANNED

PROFILED

JAN 10 2006

Original to be mailed to Idaho Department of Water Resources
Copies to Former Owner and New Owner

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Permit No. 22-2139

Phone No. 354 - 2276

1. Owner: FRED BOWEN

Current Address: 163 No. 2nd EA, DRIGGS, IDAHO

2. Accompanied by: MILD BOWEN & MIKE BOWEN

EXAM. DATE: JUNE 25, 1986

Address: RED, DRIGGS, IDAHO

Phone No. 354-2434

Relationship to Permit Holder: Son & GRANDSON, Respect, ich

3. Source: NORTH TWIN CREEK

tributary to TETON RIVER

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	TRACTOR		-	BERKELEY	B4J RBM CCW
	(John Deere 100 or David Brown)			CENTUGAL	7475007
	1212			(PTO DRIVEN)	

*Code with points of diversion, system diagram & photos on reverse side. Disregard if only one.

5. System Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

TRACTOR DRIVEN PORTABLE BERKELEY PUMP - PUMP MOVED TO VARIOUS POINTS OF DIVERSION ALONG CREEK - ALSO ONE SURFACE DIVERSION THROUGH DITCHES

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

7. Measurements

☐ Additional data/computation sheets attached

NO MEASUREMENT MADE - MILO BOWEN STATED THERE HAS BEEN NO IRRIGATION SINCE SUMMER OF 1984.

8. Point(s) of Diversion:

Indicate Method of Determination

Ident #	1/4	1/4	1/4	Sec.	Twp.	Rge.	Survey Information from Known Corner	County	Remarks
		SE	SW	35	5N	44E		TETON	MAJOR DIVERGENCE
		SW	SW	35	5N	44E		TETON	TWO P.D.'S
		SE	SE	34	5N	44E		TETON	
		SW	SE	35	5N	44E		TETON	TWO P.D.'S one is surface

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

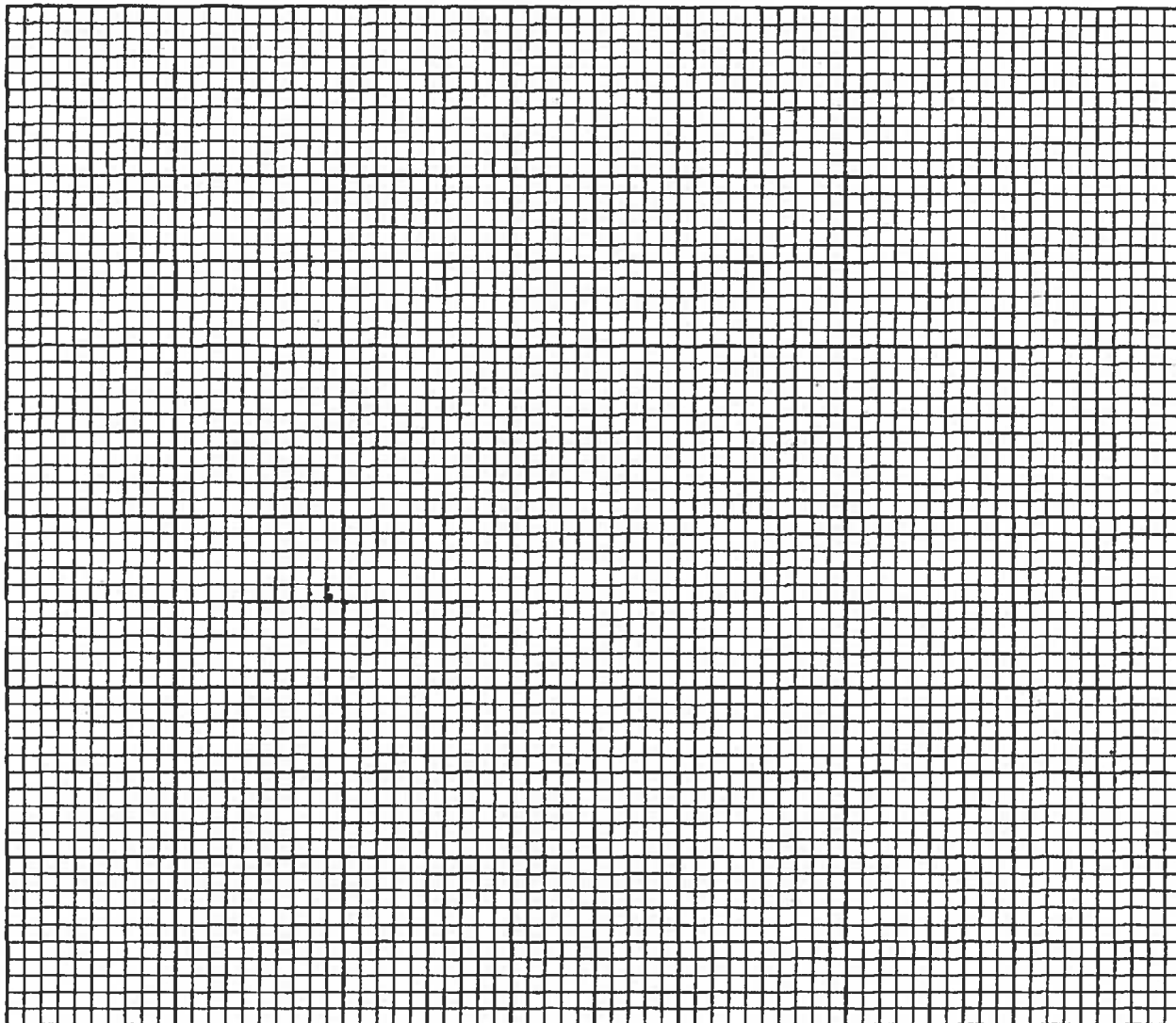
Irrigation - give acres served by system at time of exam.

Indicate Method of Determination

Twp.	Rgs.	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	
5N	44E	35			40						28	9	35	34		40	15	201	
Total Acres																		201	

Total Acres 201

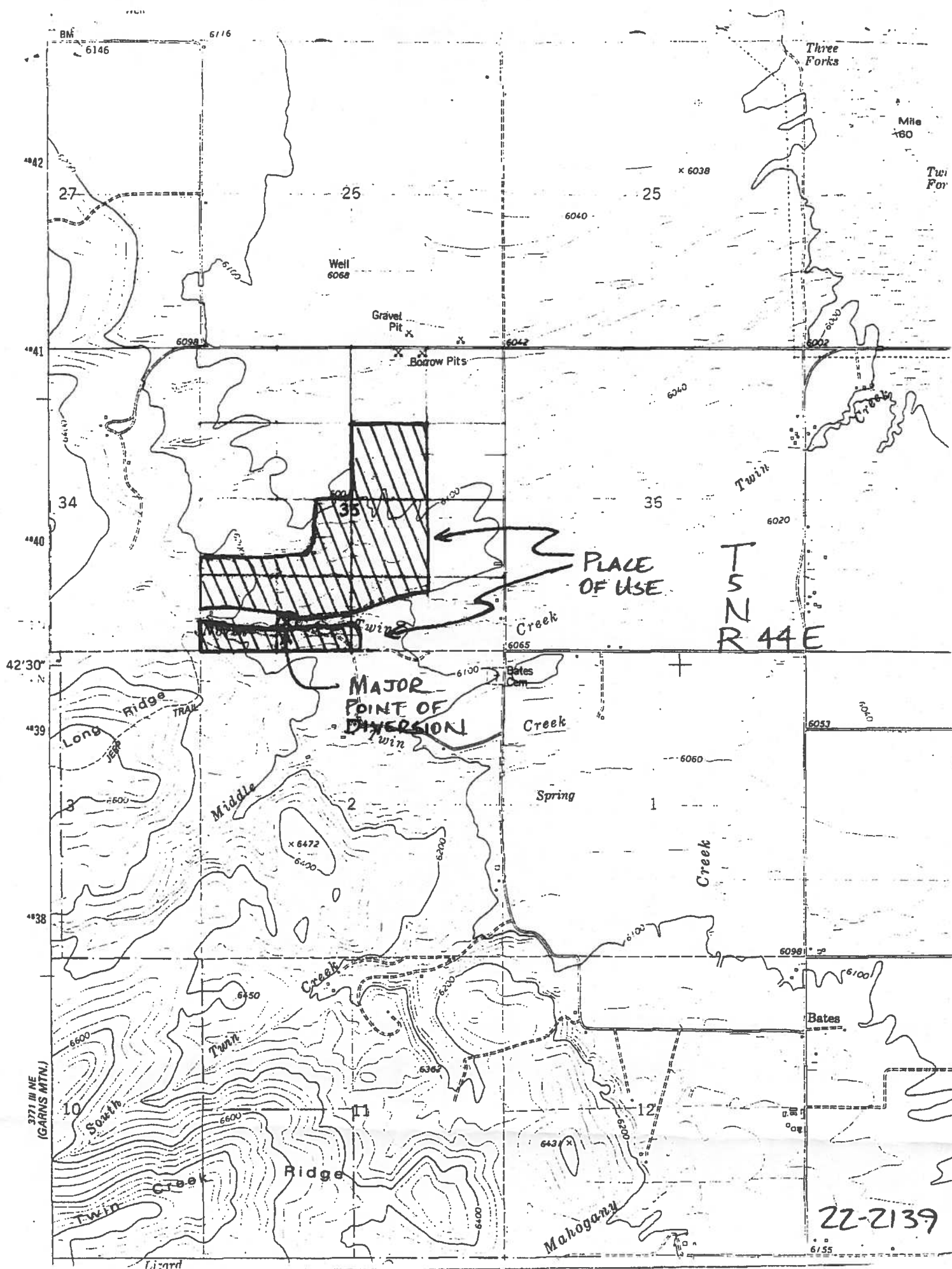
10. Other water rights on these lands 22-0028 22-2213
11. Other water right diverted from same p.d. _____
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.



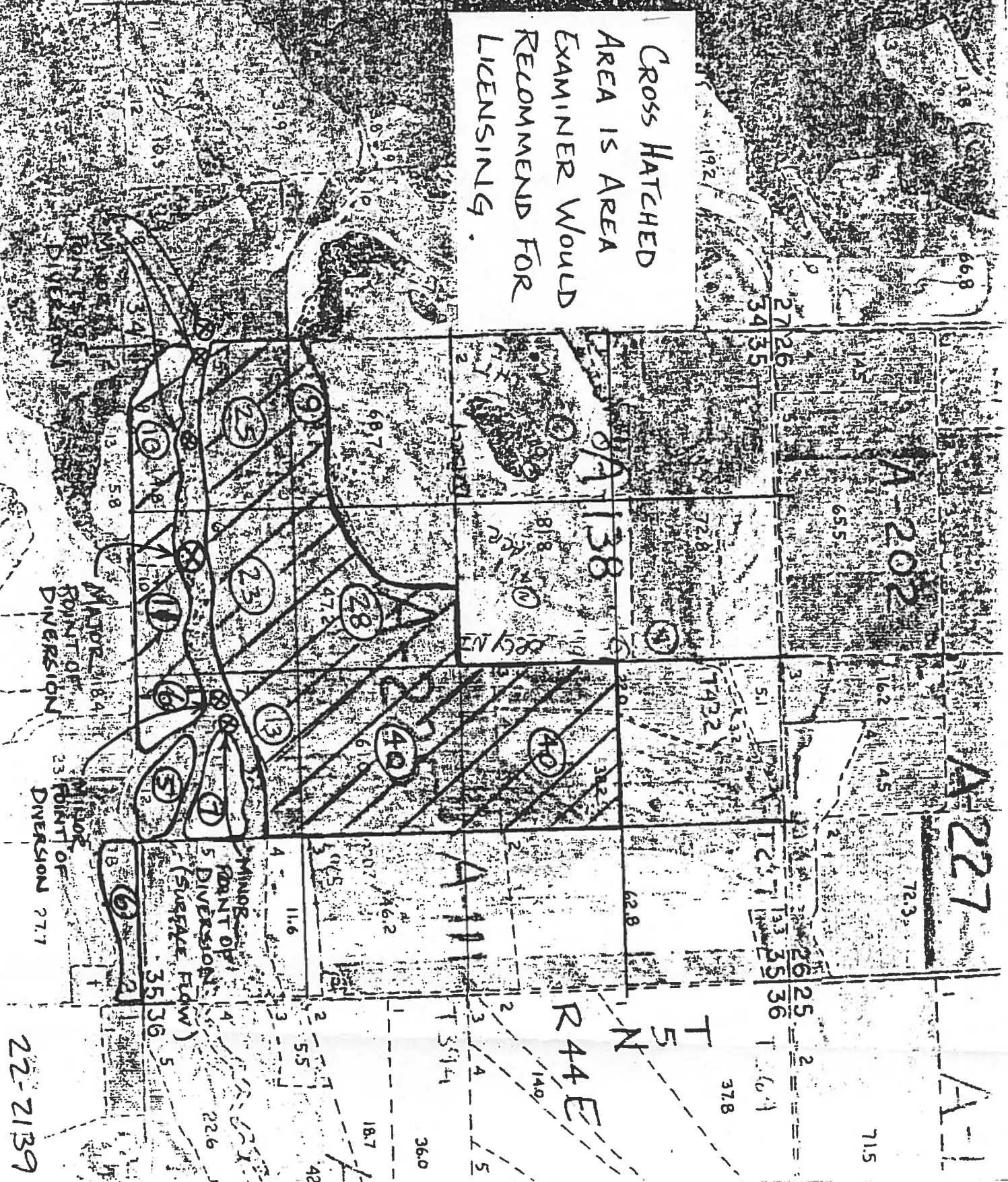
13. ☐ Photo of Diversion & System Attached ☒ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached
14. Remarks Applicant is presently dry farming the place of use.
Water from North Twin Creek has not been applied to the
claimed place of use since the summer of 1984. I
recommend that an examiner confirm actual irrigation
prior to licensing - An amendment changing the place
of use will also be necessary. May also require addition of PD's
15. 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
16. Examiner's/Consultant's Signature Gary Spackman Date 6/27/86
Consultant's License Number _____
IDWR Director's Authorization to Conduct
Beneficial Use Examination _____

Date

CONSULTANT SEAL



CROSS HATCHED
AREA IS AREA
EXAMINER WOULD
RECOMMEND FOR
LICENSING.



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JUN 20 1997

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 22-2139

1. Owner: Fred Bowen % Milo D or Evelyn Bowen

Phone No. (208) 354-2434

Current Address: 639 W 125 S Driggs ID 83422

2. Accompanied by: _____

EXAM. DATE: 7 July 1989

Address: _____

Phone No. _____

Relationship to Permit Holder: _____

3. Source: N. Twin Ck tributary to Teton R

B. OVERLAP REVIEW

1. Other water rights with same place of use: 22-2213 (Groundwater) 22-00028 (N. Twin Creek)

☒ Copies Attached

2. Other water rights with same point of diversion: 22-2213 (G.W.)

☐ 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

SEE ATTACHED Diagram

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).

System Description (continued)

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

PTO Driven Pump attached to a tractor so that pump can be moved to various p/d's along creek

- ☐ See Remarks on page 4 for continuation

- 4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Tractor	John Deere 2010			Berkely	B4J RBM CCW
					7475007

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

5. Point(s) of Diversion: SEE EXAM 22-2139 dtd 6-25-1986

[illegible]

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

Indicate Method of Determination.

Twp.	Rge.	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
5N	44E	35			40						28	9	35	34		40	31		217
4N	44E	2	^{1st} 6																6
																Total —			223 ^{ac}
RECOMMENDED RACE OF USE																			
4N	44E	2	^{1st} 6																6
5N	44E				40						28	9	35	34		40			186

19200 Total

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
Pitot tube			N/A	N/A	NA	
Pressure Gage		Ashcroft	N/A	N/A	0-50	
Pressure Gage		Ashcroft	N/A	N/A	0-100	

2. Measurements:

Line #1 (30- $\frac{5}{32}$ " nozzles ; 2- $\frac{9}{64}$ " nozzles ; Avg. Pressure 37psi)
Line #2 (25- $\frac{5}{32}$ " nozzles ; 2- $\frac{9}{64}$ " nozzles ; 5- $\frac{1}{64}$ " nozzles ; Avg. Pressure 29.25)

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

$$Q_{TOTAL} = 0.58 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

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) $\div$ 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:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 192 \text{ ac} \times 3.0 = 576 \text{ afa}$$
$$V_{D.R.} = (\text{Diversion Rate (cfs)}) \times (\text{Days in Irrigation Season}) \times 1.9835 = (0.58 \text{ cfs}) \times (214) \times (1.9835) = 246.2 \text{ afa}$$
$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 246.2 \text{ afa}$$

2. Volume Calculations for Other Uses:

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		
Irrigation	4/15	10/15	0.58 cfs	210.5 afa
Totals:			0.58 cfs	210.5 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 KEITH C WILSON
Signature Keith C Wilson
Certification Date _____
Field Report Preparation Date _____

CONSULTANT SEAL

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

FLOW CALCULATIONS

From Rainbird Chart Table No. 3-Model 30W

PSI	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{1}{64}$	
25	2.90	3.52	4.24	> 29.25 psi Line 2
30	3.16	3.85	4.64	
35	3.4	4.16	5.02	> 37 psi Line 1
40	3.63	4.45	5.37	

LINE 1: 30- $\frac{5}{32}$ " sprinklers Nozzles
2- $\frac{9}{64}$ " " "

 $\frac{9}{64}$ "

$$\frac{37 \text{ psi} - 35 \text{ psi}}{40 \text{ psi} - 35 \text{ psi}} = \frac{x \text{ gpm}}{3.63 - 3.40}$$

$$\frac{2 \text{ psi}}{5 \text{ psi}} = \frac{x \text{ gpm}}{0.23 \text{ gpm}} \quad x = 0.092 \text{ gpm}$$

$$\therefore \frac{9}{64} \text{ discharge @ } 37 \text{ psi} = 3.40 \text{ gpm} + 0.092 \text{ gpm}$$

$$\underline{Q_{\frac{9}{64}} = 3.492 \text{ gpm}}$$

 $\frac{5}{32}$ "

$$\frac{37 \text{ psi} - 35 \text{ psi}}{40 \text{ psi} - 35 \text{ psi}} = \frac{x}{4.45 \text{ gpm} - 4.16}$$

$$\frac{2 \text{ psi}}{5 \text{ psi}} = \frac{x}{0.29} \quad x = 0.116$$

$$\therefore \frac{5}{32} \text{ discharge @ } 37 \text{ psi} = 4.16 \text{ gpm} + 0.116 =$$

$$\underline{Q_{\frac{5}{32}} = 4.276 \text{ gpm}}$$

22-02139

FLOW CALCULATIONS: (cont)

Flow Line 1 =

$$Q_1 = 2(Q_{1/4}) + 30(Q_{5/32}) = 2(3.492 \text{ gpm}) + 30(4.276 \text{ gpm})$$

$$Q_1 = 6.984 \text{ gpm} + 128.28 \text{ gpm}$$

$$Q_A = 135.264 \text{ gpm} = 0.301 \text{ cfs}$$

LINE 2: 25-5/32" sprinkler nozzles
2-9/64" "
5-1/64" "

1 1/64"

$$\frac{29.25 \text{ psi} - 25 \text{ psi}}{30 \text{ psi} - 25 \text{ psi}} = \frac{x}{4.64 \text{ gpm} - 4.24 \text{ gpm}}$$

$$\frac{4.25 \text{ psi}}{5 \text{ psi}} = \frac{x}{0.4} \quad x = 0.34$$

$$\therefore 1 1/64" \text{ discharge @ } 29.25 \text{ psi} = 4.24 \text{ gpm} + 0.34 =$$

$$Q_{1 1/64} = 4.58 \text{ gpm}$$

5/32"

$$\frac{4.25 \text{ psi}}{5 \text{ psi}} = \frac{x}{3.85 - 3.52} \quad x = 0.28$$

$$\therefore 5/32" \text{ discharge @ } 29.25 \text{ psi} = 3.52 \text{ gpm} + 0.28 =$$

$$Q_{5/32} = 3.80 \text{ gpm}$$

9/64"

$$\frac{4.25 \text{ psi}}{5 \text{ psi}} = \frac{x}{3.16 - 2.90} \quad x = 0.221$$

$$\therefore 9/64" \text{ discharge @ } 29.25 \text{ psi} = 2.90 \text{ gpm} + 0.22$$

$$Q_{9/64} = 3.121 \text{ gpm}$$

22-2139

FLOW CALCULATION: (cont)

Flow Line 2:

$$Q_2 = 5(Q_{1/64}) + 25(Q_{5/32}) + 2(Q_{9/64})$$
$$= 5(4.58 \text{ gpm}) + 25(3.80 \text{ gpm}) + 2(3.121 \text{ gpm})$$

$$Q_2 = 22.9 \text{ gpm} + 95 \text{ gpm} + 6.242 \text{ gpm}$$

$$Q_2 = 124.142 \text{ gpm}$$

Total Measured Discharge

$$Q_T = Q_1 + Q_2 = 135.264 \text{ gpm} + 124.142 \text{ gpm}$$
$$= 259.406 \text{ gpm}$$

$$Q_T = 0.5779991 \text{ cfs}$$

$$Q_T = 0.58 \text{ cfs}$$

72-2139

ITEM C.1.

LINE 1

32 sprinklers

27 psi

LINE 2

32 sprinklers / line

16.5 ps'

ALL SPRINKLERS
Model 30W

Aug pressure

37 psi

Nozzles
(30-5/32"
2-9/64")

Aug pressure
29.25psi

 $\frac{5}{37}$

Notizen

$1/25 - 5/32"$
 $2 - 9/64"$
 $5 - 11/64"$

47 psi

42 psi

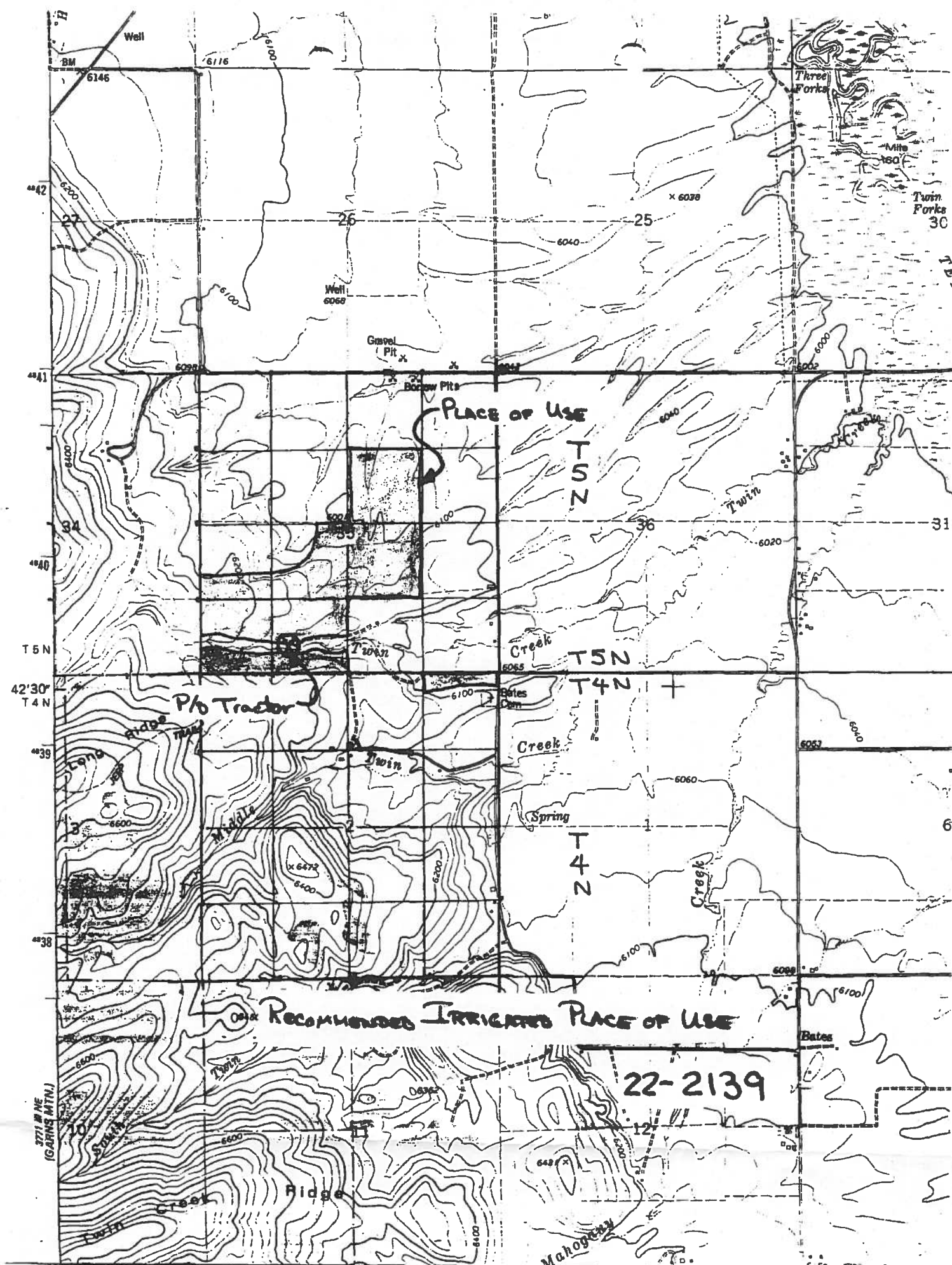
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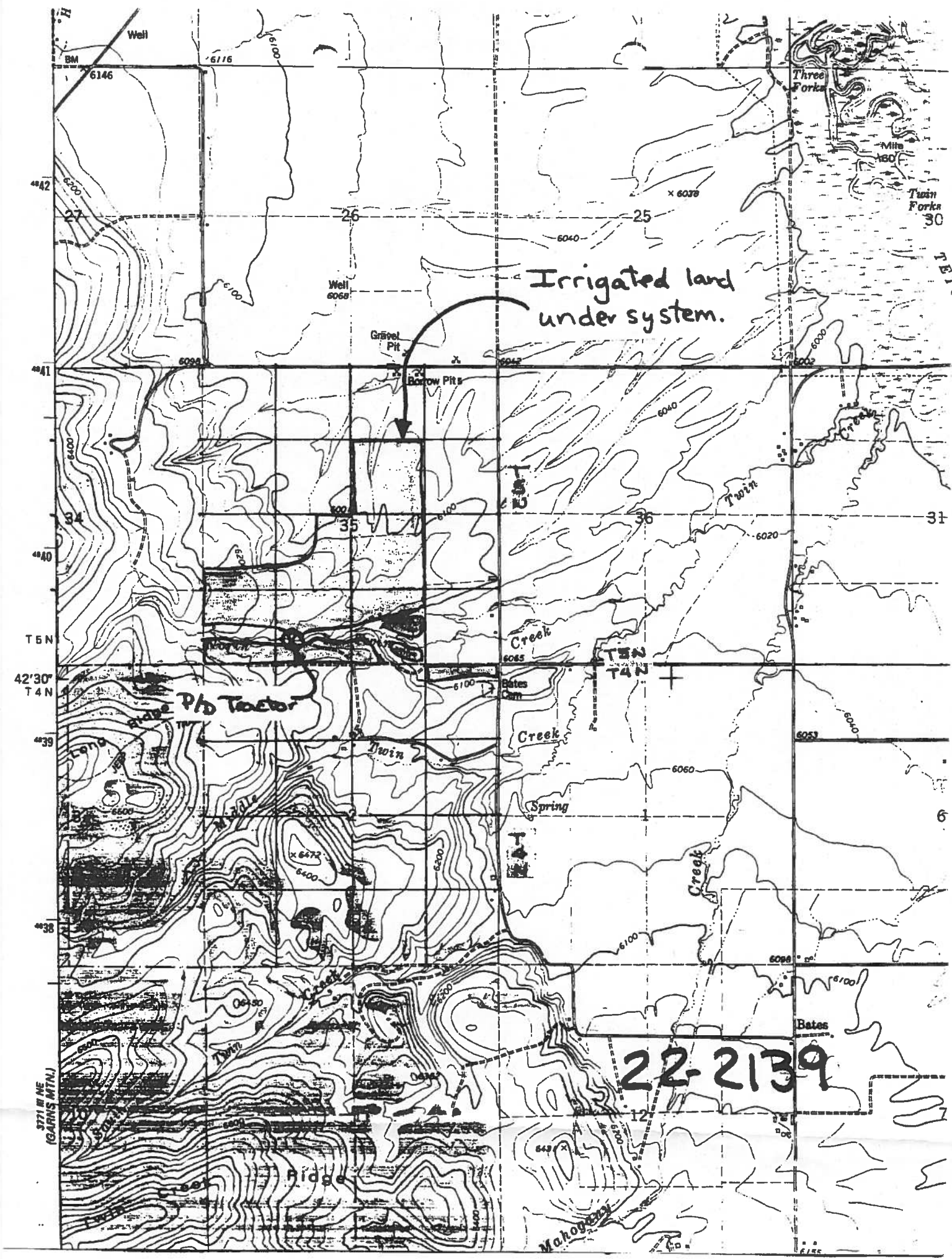
Tractor Pump

$$Q_1 = 135.264 \text{ gpm}$$

$$= 0.301 \text{ cfs}$$
$$Q_2 = 124.142$$
$$= 0.276 \text{ cfs}$$
$$Q_{TOTAL} = 0.58 \text{ cfs}$$

22-2139





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: A22-02139
Date Received: 6/27/1988
Receipt No: E000523
Received By: _____

COPY FOR
YOUR FILES

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

COPY FOR
YOUR FILES

1. Name: JOHN C CUSHMAN III 818-449-2319
Address: 691 HOLLADAY RD
PASADENA CA 91164-112
AND/OR
Name: JEANINE S CUSHMAN III 818-449-2319
Address: 691 HOLLADAY RD
PASADENA CA 91164-112

2. Date of Priority: JUL 17, 1950

3. Source: TWIN CREEK, NORTH FORK Trib. to: TETON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
05N	44E	34	NE	SE	SE		TETON
		35	SW	SW	SW		TETON
			SE	SW	SW		TETON
			SE	SE	SW		TETON
			SW	SW	SE		TETON

5. Description of diverting works:
PORTABLE PUMP IN CREEK TO HAND LINES FOR SPRINKLER IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/15	10/15	1.600		

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

8. Total consumptive use is 374.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

SCANNED

JAN 10 2006

PROCEED

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
05N	44E	35	SW		NE		IRR	10.0
			NE		SW		IRR	28.0
			NW		SW		IRR	9.0
			SW		SW		IRR	35.0
			SE		SW		IRR	34.0
			NW		SE		IRR	40.0
			SW		SE		IRR	31.0

Section Acres 187.0

Total Acres 187.0

11. Place of use in counties: TETON

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

13. Other Water Rights Used:
22-00028,02113

14. Remarks:
THIS RIGHT SUBJECT TO VERIFICATION BY BENEFICAL USE FIELD EXAM.
LAND LIST INDICATES CURRENT USE AS HAS BEEN FOR PAST 20 YEARS.
CHANGED OWNERSHIP 5/23/97/JT/SB

15. Basis of Claim: PERMIT

Water Right Number: 21604

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: A22-02139
Date Received: 6/10/1988
Receipt No: E000523
Received By: SB

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: MILO D. BOWEN 208-354-2434
Address: 639 W. 125 S.
DRIGGS, ID 83422
AND/OR
Name: EVELYN BOWEN 208-354-2434
Address: 639 W. 125 S.
DRIGGS, ID 83422

A2202139



2. Date of Priority: JUL 17, 1950

3. Source: TWIN CREEK, NORTH FORK Trib. to: TETON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
05N	44E	34	NE	SE	SE		TETON
		35	SW	SW	SW		TETON
			SE	SW	SW		TETON
			SE	SE	SW		TETON
			SW	SW	SE		TETON

5. Description of diverting works:
PORTABLE PUMP IN CREEK TO HAND LINES FOR SPRINKLER IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/15	10/15	1.600		

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

8. Total consumptive use is 374.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

A22-02139

Page 1

Date: 06/10/88

PROD ID

SCANNED
JAN 10 2006

MICROFILMED
OCT 29 1992

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
05N	44E	35	SW		NE		IRR	10.0
			NE		SW		IRR	28.0
			NW		SW		IRR	9.0
			SW		SW		IRR	35.0
			SE		SW		IRR	34.0
			NW		SE		IRR	40.0
			SW		SE		IRR	31.0
Section Acres								187.0
Total Acres								187.0

11. Place of use in counties: TETON

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

13. Other Water Rights Used:
22-00028,02113

14. Remarks:

THIS RIGHT SUBJECT TO VERIFICATION BY BENEFICAL USE FIELD EXAM.
LAND LIST INDICATES CURRENT USE AS HAS BEEN FOR PAST 20 YEARS.

15. Basis of Claim: PERMIT
Water Right Number: 21604

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: 1

For Individuals:

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

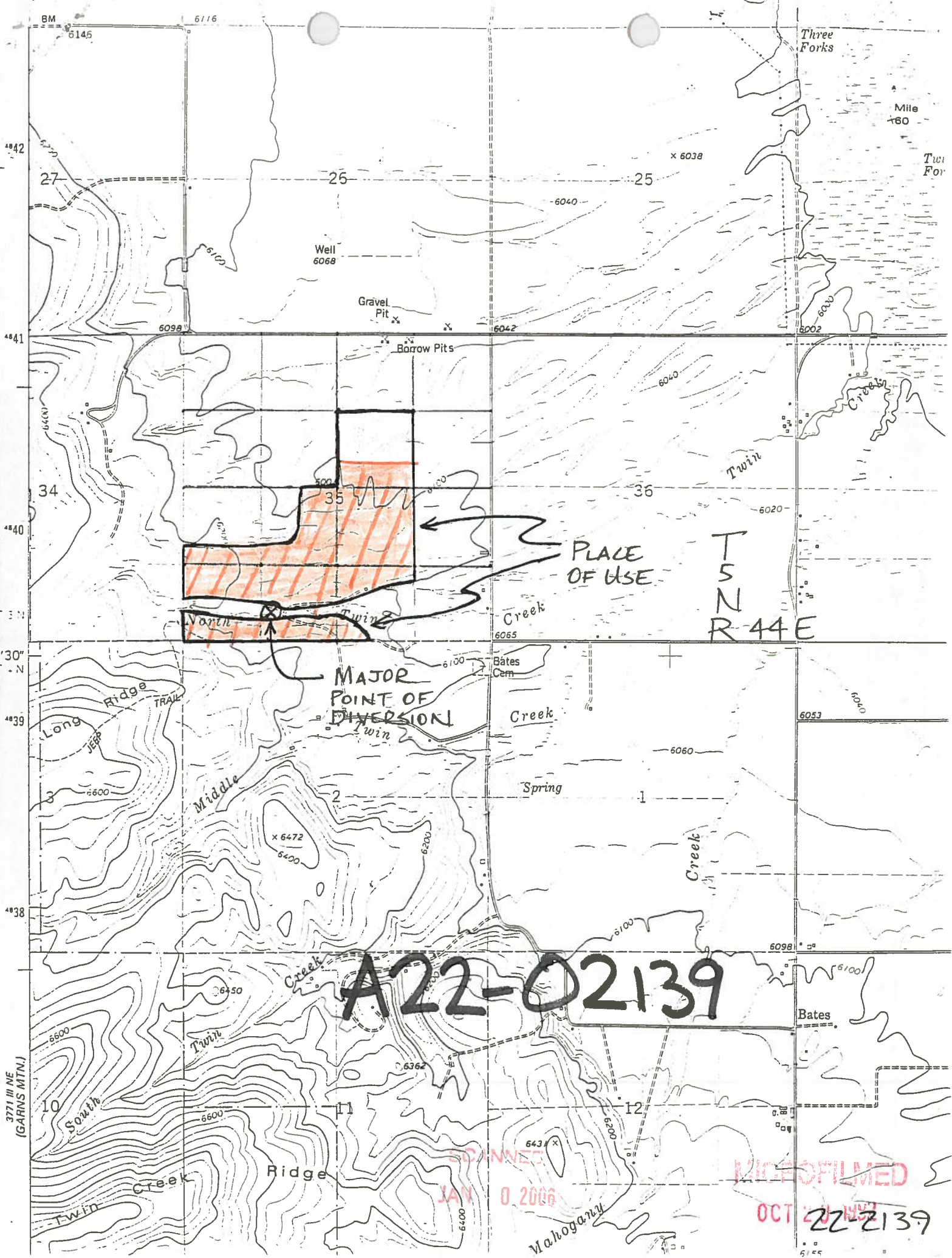
Signature of Claimant(s): Mike D. Bowen Date: June 13, 1986
 Evelyn G. Bowen Date: June 13, 1988

State of Idaho)
County of Teton) SS.

Subscribed and sworn (or affirmed) before me this 13 day
of June 19 88 [Signature]
Notary Public

Seal

Residing at Dotzler, Idaho 83422
My Commission Expires Life
 Bond 3-16-94



PLACE
OF USE

T
5
N
R 44 E

MAJOR
POINT OF
DIVERSION

A22-02139

SPANNED
JAN 0 2006

MICROFILMED
OCT 20 1992
22-2139

Cross Hatched
Area is Area
Examiner Would
Recommend For
Licensing.

MINOR
POINTS OF
DIVERSION

MAJOR
POINT OF
DIVERSION

MINOR
POINT OF
DIVERSION 27.7



A22-02139

A-202

A-227

R44E

T5N

22-2139