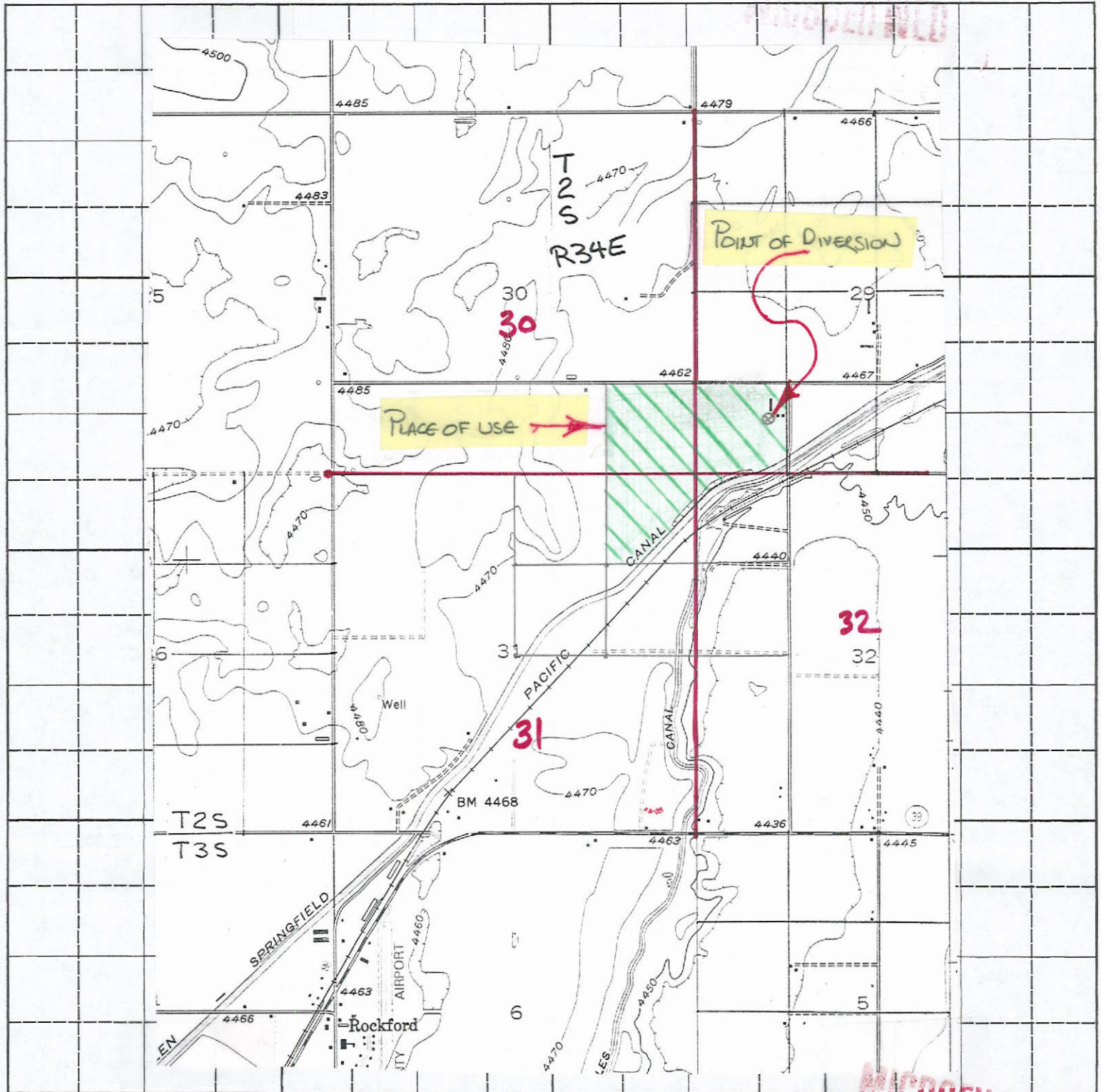


35-8984

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



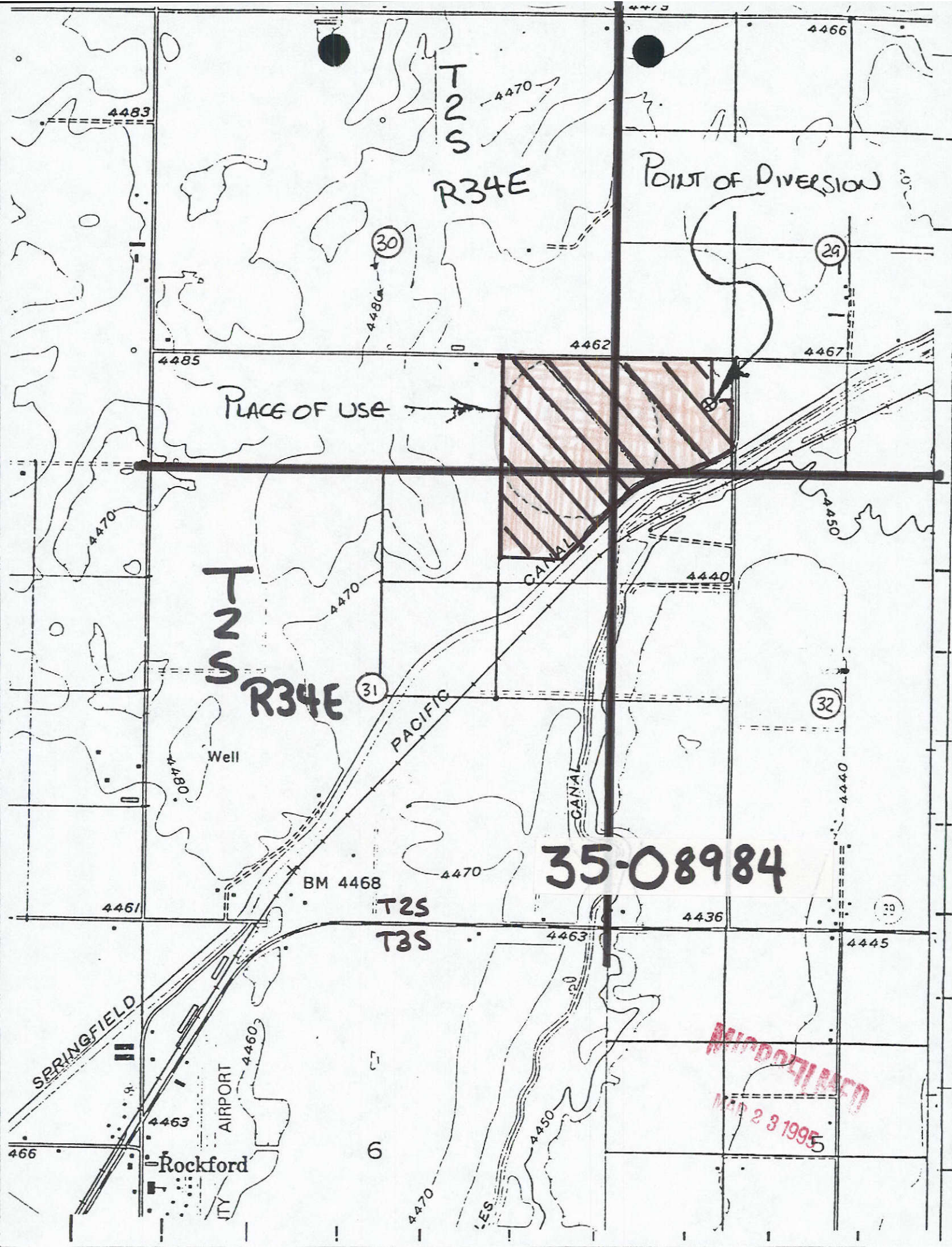
Scale: 2 inches equal 1 mile.

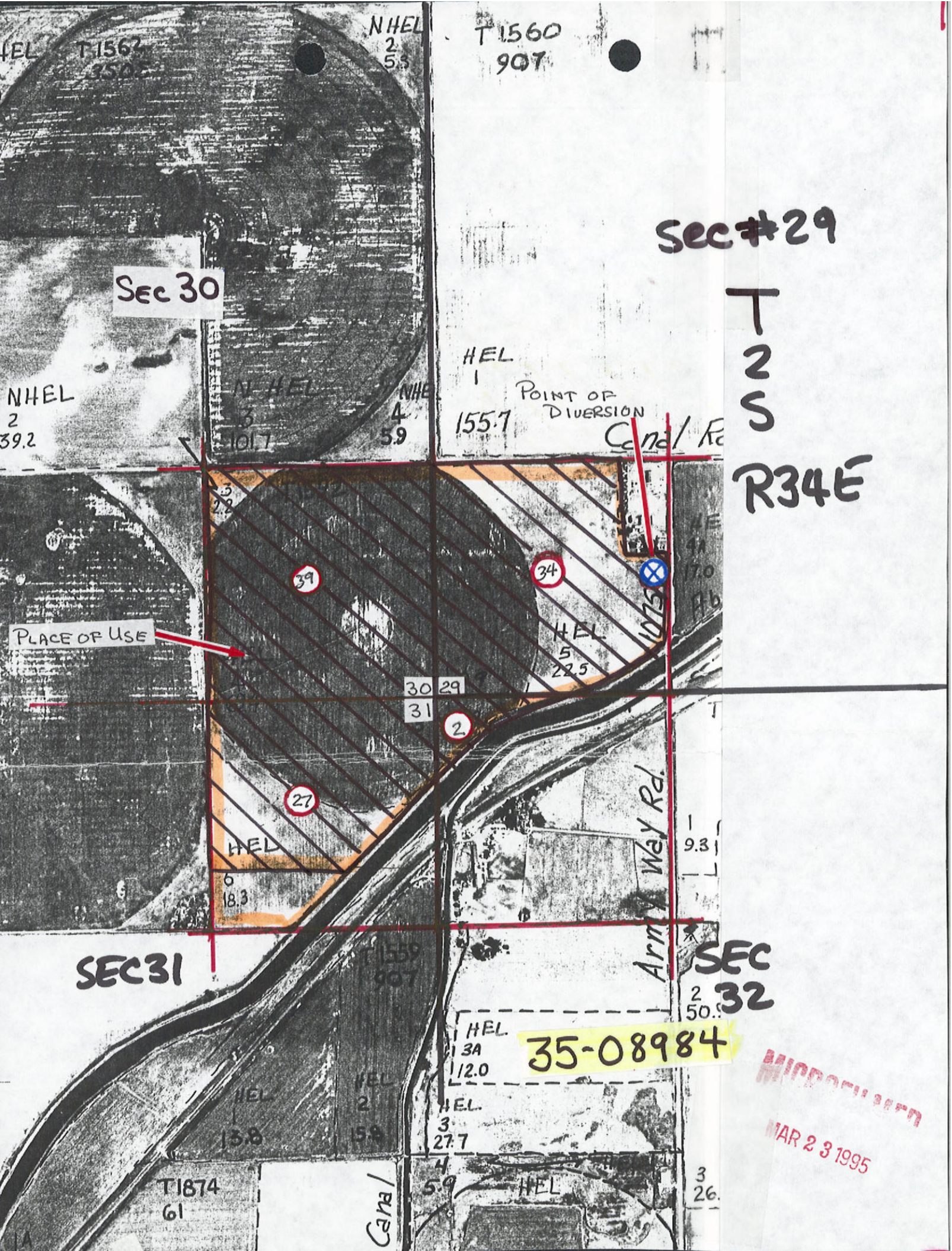
BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

X

Bang J. Cho
(Applicant)

MICROFILMED
JUN 10 1992





Sec 30

Sec #29

T
2
S

R34E

PLACE OF USE

POINT OF
DIVERSION

Canal Rd

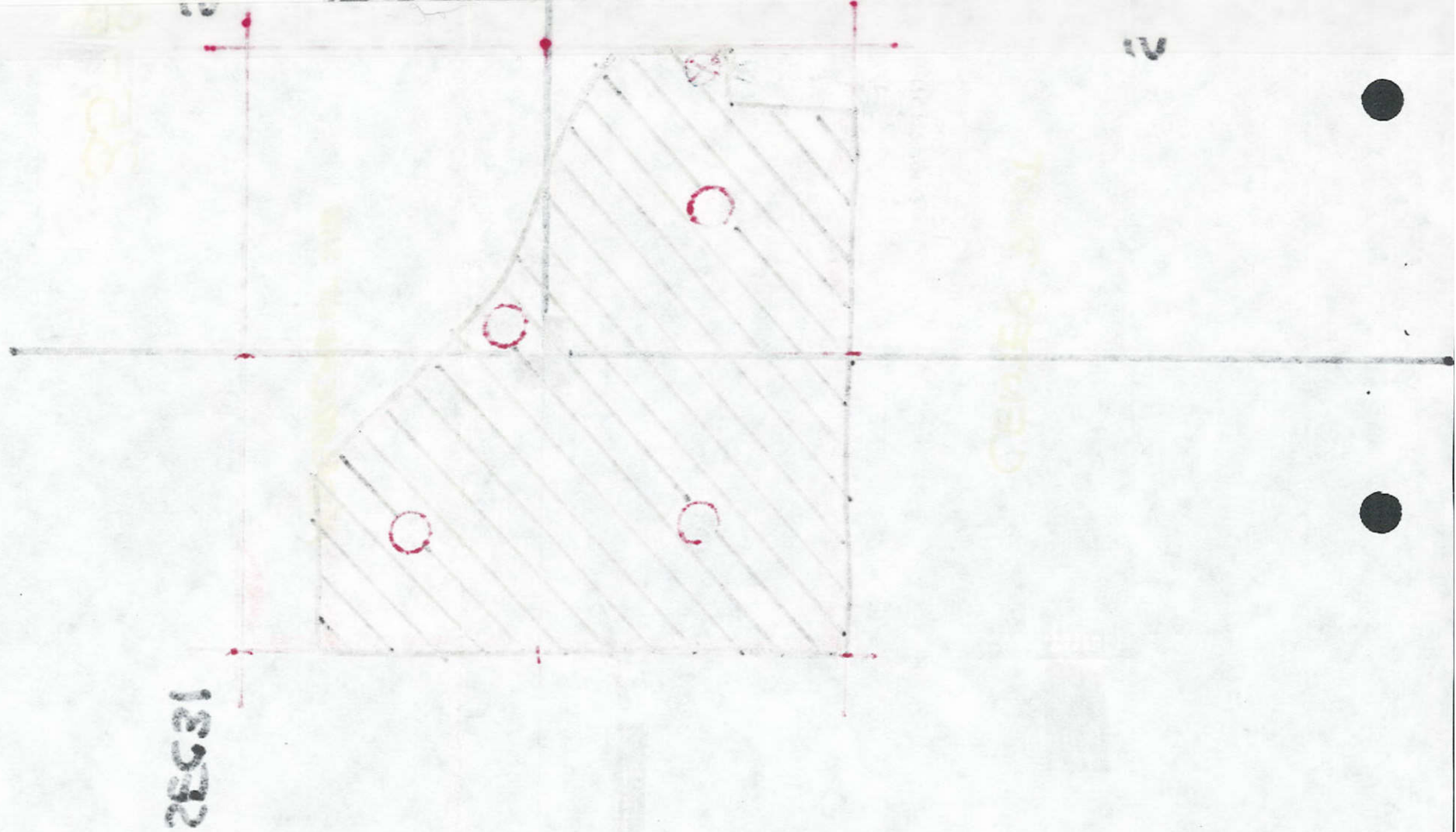
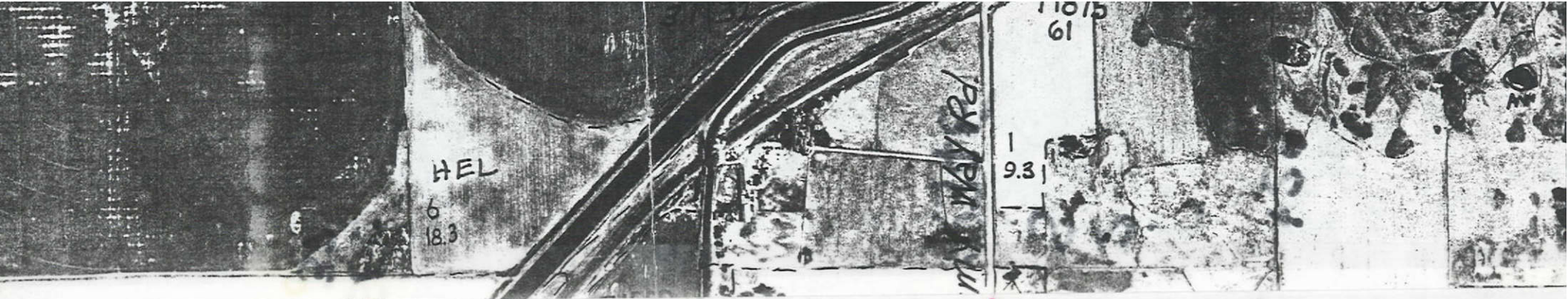
Army Way Rd.

SEC 31

SEC
32

35-08984

MAR 23 1995



CENTER PIVOT

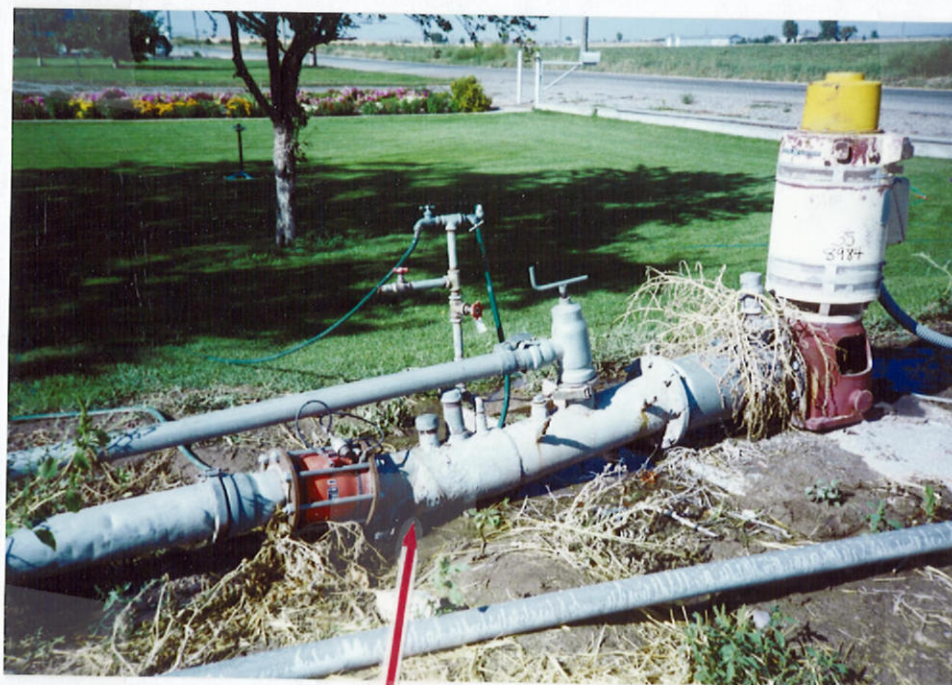


MEASUREMENT SITE

35-8984

UNRECORDED
MAR 23 1995

Mainline
to ←
handlines



down turn
of
mainline
to
Centerpivot

35-8984
MAR 23 1995

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 35-08984

Priority: February 24, 1992

Maximum Diversion Rate:

0.28 CFS

This is to certify, that BARRY CHRISTENSEN

1198 W 125 N

BLACKFOOT ID 83221

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated February 24, 1992; and has submitted Proof of Beneficial Use on May 6, 1993. An examination indicates that the works have a diversion capacity of 1.540 cfs of water from a GROUNDWATER 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	04/01 to 10/31	0.28 CFS	
------------	----------------	----------	--

LOCATION OF POINT(S) OF DIVERSION:

SWSW , Sec. 29, Township 02S, Range 34E
BINGHAM 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>
02S	34E	29	SWSW	35		35
		30	SESE	39		39
		31	NENE	26		26
		32	NWNW	2		2

Total number of acres irrigated: 102

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. The use of water under this right shall not give rise to any claim against the holder of a senior water right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
5. The Director retains jurisdiction of the right to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
6. The right holder shall use the full allotment of appurtenant surface water rights, to the extent they are available, in conjunction with groundwater diverted pursuant to this right.
7. This right to divert groundwater shall not be used if the surface water right(s) appurtenant to the place of use is transferred, leased or used on any other place of use without the approval of the Department.

MAR 23 1995

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

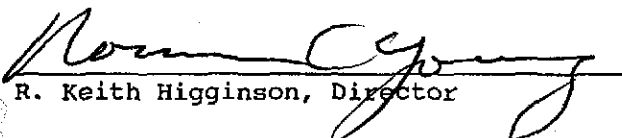
WATER RIGHT NO. 35-08984

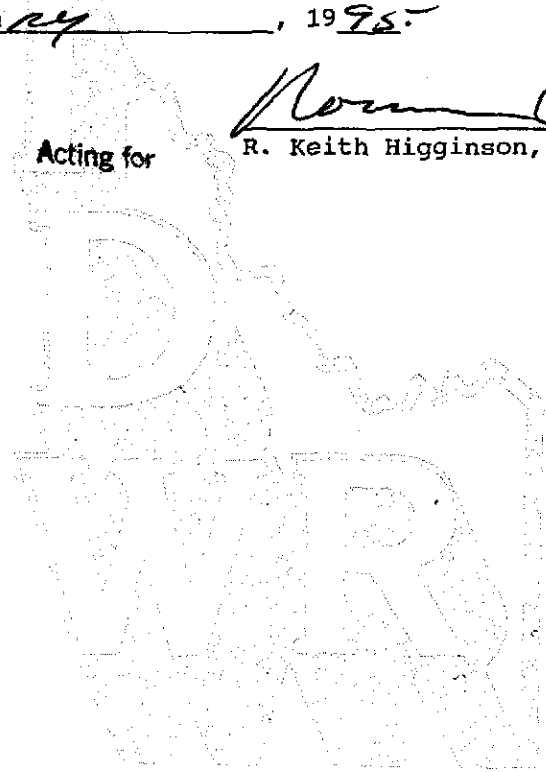
CONDITIONS/REMARKS:

8. This right uses the same well as Right 35-02562 and when combined with this right and all other rights shall provide no more than .02 cfs per acre nor exceed a combined annual diversion volume of 408 af for the lands above.

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 14TH day of FEBRUARY, 1995.

Acting for


R. Keith Higginson, Director


MAR 23 1995

RECEIVED

MAY 06 1993

Department of Water Resources

OFFICE USE ONLY
Amt. of Fee \$ 100.00
Date 5-6-93
Receipt No. 0027420
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. 35-08984 Telephone No. 684-4772
2. Name(s) of Permit Holder(s): Barry J Christensen
3. Mailing Address: 1198 W 125N Blackfoot Id 83221
4. Source of Water: Ground

If **GROUNDWATER**, Well Driller's Name: Don Date Drilled: Don to 7-1-87

OPTIONAL:

Pump horsepower: 60 Pressure (psi): 85 Dynamic pumping level (ft.): 60

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

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

Irrigation 102 (No. of acres) Other _____

6. Total rate and/or volume for which proof is submitted 0.78 cfs OR _____ 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: \$ 100 (See License Fee Schedule on back of Instruction Sheet)

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

Barry Christensen
Name Telephone No. _____
1198 W 125N Blackfoot, Idaho 83221
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.

UNAPPROVED

5/4/93
Date

Barry Christensen
Signature (and title, if on behalf of a company or organization)

MAY 25 1993

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 35-08984

Proposed Priority: February 24, 1992 Maximum Diversion Rate: 0.78 CFS

This is to certify, that **BARRY CHRISTENSEN**

1198 W 125 N

BLACKFOOT ID 83221

has applied for a permit to appropriate water from: **GROUNDWATER**
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	04/01 to 10/31	0.78 CFS
------------	----------------	----------

LOCATION OF POINT(S) OF DIVERSION: SWSW , Sec. 29, Township 02S, Range 34E
BINGHAM 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>
02S	34E	29	SWSW	34		34
		30	SESE	40		40
		31	NENE	26		26
		32	NWNW	2		2

Total number of acres irrigated: 102

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before July 1, 1993.
2. Subject to all prior water rights.
3. A flow measurement port or other device as specified by the Department shall be installed by the right holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
4. The use of water under this right shall not give rise to any claim against the holder of a senior water right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
5. The Director retains jurisdiction of the right and any license subsequently issued to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
6. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

MICROFILMED
JUN 10 1992

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 35-08984

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

29th day of May, 1992

for R. Keith Higginson
R. Keith Higginson, Director

MICROFILMED
JUN 10 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant BARRY CHRISTENSEN Phone 684-4776
Post office address 1198 W. 125 N. BLACKFOOT, ID. 83221
2. Source of water supply GROUNDEWATER which is a tributary of _____
3. Location of point of diversion is NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Govt. Lot _____
Sec. 29 Township 25 Range 34E B.M. BIDGHAM County; additional
points of diversion if any: _____
4. Water will be used for the following purposes:
Amount 0.78 for IRRIGATION purposes from 4/1 to 10/31 (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) 0.78 and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. EXISTING WELL w/ GOHP
TURBINE Pump INTO MAINLINE TO PIVOT AND HANDLINGS.
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
 - c. ~~Proposed~~ ^{EXISTING} well diameter is 12" inches; ~~proposed~~ ^{EXISTING} depth of well is 104' feet.
 - d. Is ground water with a temperature of greater than 90°F being sought? No
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).

MICROFILMED
JUN 10 1992

104

8. Description of proposed uses (if irrigation only, go to item 9):

- a. Hydropower; show total feet of head and proposed capacity in KW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; show name of municipality. _____
- d. Domestic; show number of households. _____
- e. Other; describe fully. _____

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. 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	
2S	34E	29											34						34
		30																40	40
		31	26																26
		32					2												2

Total number of acres to be irrigated 102

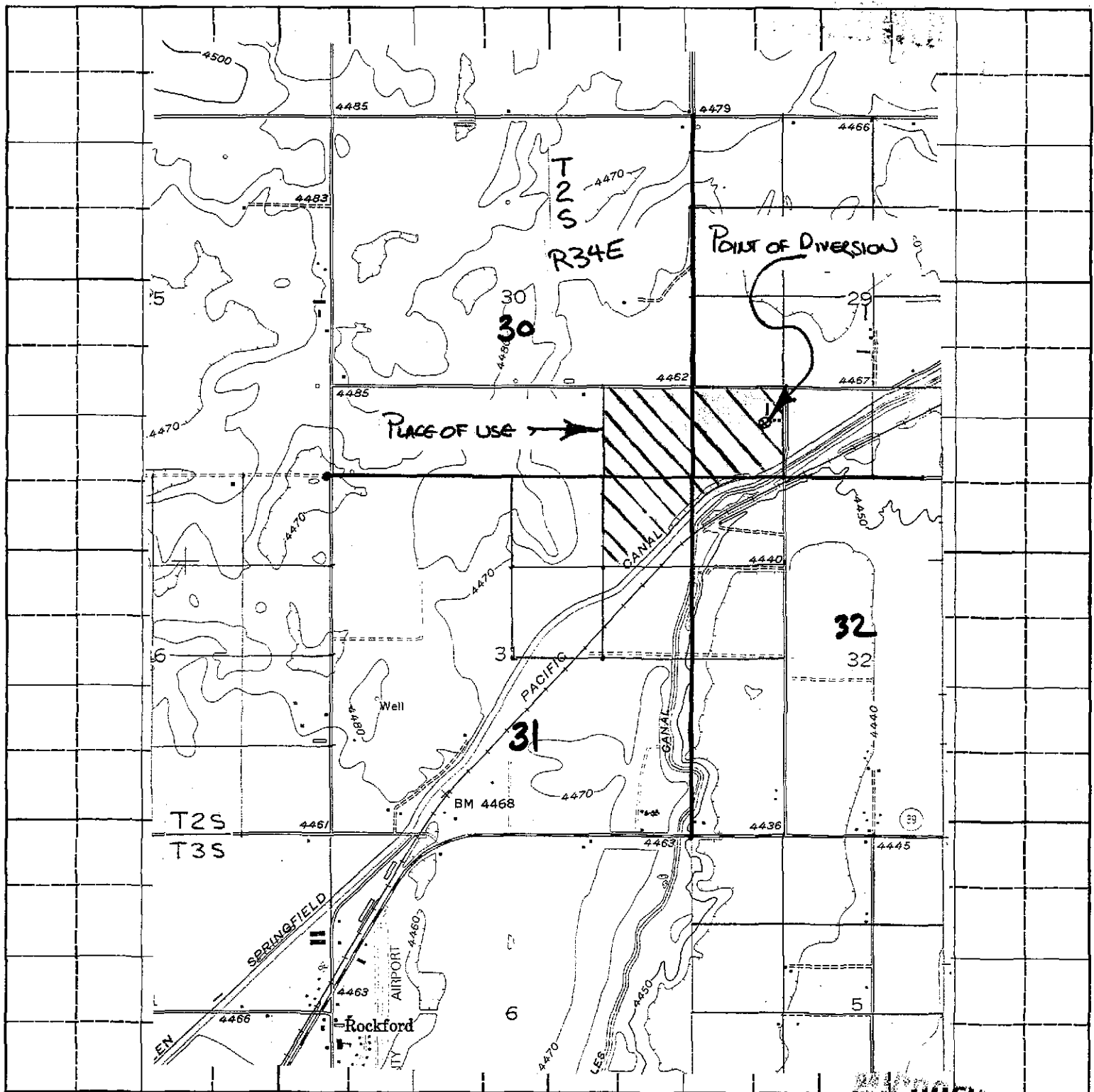
10. Describe any other water rights used for the same purposes as described above. 35-02562

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: THIS APPLICATION IS FILED TO BRING THE SYSTEM CAPACITY TO LICENSED TO 1" / ACRE. 35-02562 IS FROM SAME WELL, BUT WAS LICENSED WITH A 15 HP PUMP ON THE WELL.

JUN 10 1992

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



Scale: 2 inches equal 1 mile.

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.

Benny J. Christ
(Applicant)

MICROFILMED

JUN 10 1992

820 2/14/92

Received by LB Date 2-24-92 Time 1:52 Preliminary check by _____

Fee \$ 45⁰⁰ Receipted by _____ # _____ Date _____

To be applied From
Publication prepared by LB Date 3-19-26-92 Published in Morning News

Publication approved LB Date 4-6-92

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:

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JUN 10 1992



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

February 15, 1995

BARRY CHRISTENSEN
1198 W 125 N
BLACKFOOT ID 83221

RE: WATER RIGHT NO. 35-08984

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit. If you have any questions, please contact me within 10 days of receipt of this license.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

RECEIVED

MAR 23 1995

LICENSE REVIEW CHECKLIST



PERMIT NO. 35-08984 DATE 2-13-95

NAME	Yes <u> </u> No <u> ✓ </u>	Or Address Change?
PRIORITY DATE	Yes <u> </u> No <u> ✓ </u>	Advance? <u> </u> Advanced to: <u> </u> Order to reinstate needed? <u> </u> Incorrect fee for rate recommended? <u>NO</u>
SOURCE	Yes <u> </u> No <u> </u>	Changes or just clarification of originally intended source? <u> </u> Notice of Intent to Void necessary? <u> </u>
POINT OF DIV	Yes <u> ✓ </u> No <u> ✓ </u>	Amendment needed? <u> </u> Overlaps? <u>R35-02562</u>
PLACE OF USE	Yes <u> ✓ </u> No <u> ✓ </u>	Amendment needed? <u> </u> Overlaps? <u>R35-02562</u>
DIV RATE	Yes <u> ✓ </u> No <u> </u>	Permit/fee limits: <u>.78 cfs</u> Meas Q = <u>1.41</u> Theo Q = <u>1.54</u> Recommend: <u>.28</u> <u>(without → END GUNON)</u> <u>102 X .02 = 2.04</u> Combined rates exceed capacity <u>NO</u>
CAPACITY = <u>1.54</u> <u>35-02562 = 1.26</u>		
AVAILABLE = <u>.28 cfs</u>		
ANNUAL VOLUME	Yes <u> ✓ </u> No <u> </u>	Volume Limit: <u> </u> Season: <u>0/4.0 (4-1 to 10-31)</u> Calculations: <u>102 X 4 = 408</u>
ALLOWABLE = <u>408</u> <u>35-02562 = 378</u> <u>(claim @ 408)</u>		Flow limit: <u> </u> cfs x <u> </u> x 1.9835 = <u> </u> Combined volumes exceed capacity/allowable <u>CONDITION</u>
USES	Yes <u> </u> No <u> ✓ </u>	Change in Nature of Use or additional uses? <u> </u> Amendment necessary? <u> </u>
REMARKS	Yes <u> </u> No <u> ✓ </u>	Multiple p/d(s) in <u>1/4 1/4</u> ? <u> </u> Other <u>WB3 WB8 W40</u> <u>Albion Springfield Shaw / 408 af</u> <u>edit</u>
CONDITIONS	Yes <u> </u> No <u> </u>	Measuring/Locking Devices <u> </u> Watermaster control - District <u> </u> Irrigation Overlap <u> </u> Water Quality <u> </u> Other <u>048 049</u> Heat/Cool/ Fish verified <u> </u> <u>NON-TRUST</u>
COMMENTS:	<u>Supplemental GW</u> <u>REDUCE RATE</u>	

RECOMMENDED	CFS	VOL	SRBA Claim Filed	NO
<u>Irrigation</u>	<u>.28</u>	<u>list in</u>	Adjustment Memo Needed	<u>YES</u>
		<u>REMARKS</u>	LICENSE	<u> ✓ </u>
			1ST AMENDMENT LETTER	
			FINAL AMENDMENT LETTER	

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

DEC 18 1994

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 35-8984

1. Owner: Barry Christensen

Phone No. 684-4772

Current Address: 1198 W 125 N Blackfoot Id 83221

2. Accompanied by: No one

EXAM DATE: 8-25-1994

Address: _____

Phone No. _____

Relationship to Permit Holder: _____

3. Source: Groundwater

tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 35-02562

2. Other water rights with the same point of diversion: 35-02562

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
			SW	SW	29	2S	34E	Bingham	On site, USGS Quad, ASCS Aerial

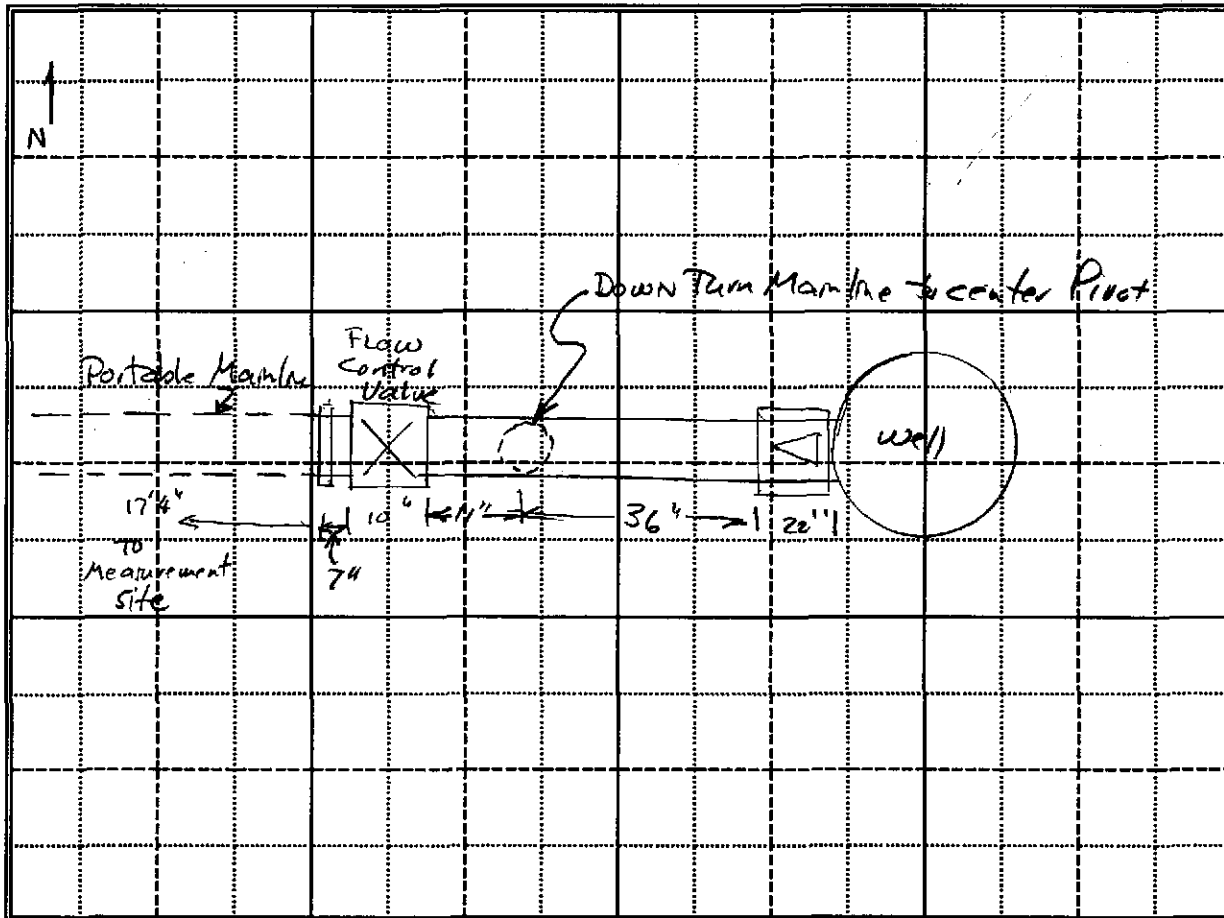
2. Place(s) of Use: Total acres = 108 Permit for 102

Indicate Method of Determination ASCS Aerial

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2S	34E	29											34						34
		30											35						35
		31															39		39
		32																	32
																			2
																			102
																			108

MAR 23 1995

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



Scale: 1" = _____

____ 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
	GE	60	DJT411555	Peerless	FI883I

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: System @ 78 Psi

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E. NARRATIVE/REMARKS/COMMENTS

0.050" thick 6" od.

6 tower Center Pivot & hand lines (Note Center Pivot had an end gate that was off during the test.)

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

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F. FLOW CALCULATIONS

Measured Method:

☒ Additional Computation Sheets Attached

* $Q_{TOTAL} = 1.54$

Recommend $Q = 0.26$ cfs from overlap review

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

* $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 102 \times 4 = 408$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.26 \text{ cfs} (214) (1.9835) = 110.4$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 110.4$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
* <u>IRRIGATION</u>	<u>4/1</u>	<u>10/31</u>	<u>0.26 cfs</u>	<u>110.4</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			<u>0.26 cfs</u>	<u>110.4</u>

2. Recommended Amendments

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

I. AUTHENTICATION

Field Examiner's Name KEITH C WILSON Date 25 Aug 94

Reviewer H. Wilson Date 12-12-94

MICROFILMED

MAR 23 1995

* See attached adjustment memo. BC

MEMORANDUM

TO: File 35-08984 / Barry Christensen
FROM: Brenda Chapman
DATE: February 14, 1995
RE: Recommendation Adjustment(s)

=====

The final licensing recommendations for the above referenced water right are based on the information below:

C. SYSTEM DESCRIPTION

Place of Use: Per 2/14/95 telephone conversation with Keith Wilson, it was agreed to have the acres coincide with the overlapping right's (35-02562) Adjudication recommendation. The total number of acres are the same, just the amount changed in the SWSW of Section 29 (from 34 to 35) and the NENE of Section 31 (from 27 to 26).

F. FLOW CALCULATIONS

The system capacity is 1.54 cfs. Right 35-02562 has the same p/d and was licensed for 1.26 cfs; therefore, the recommendation for this right is for the remaining available .28 cfs.

G. VOLUME CALCULATIONS

Rather than recommend the volume limits according to the rate of flow production, it will be addressed in remarks based on the current supplemental groundwater processing procedures.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Irrigation	4-01 to 10-31	.28	Not listed

See items F & G.

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MAR 23 1995

MODE SELECT
DATA SET

DATA SET MODE
? PRINTER

08-25 16:3700 *R
+249.906E 06PM

08-25 16:3700 *R
+003.00 % AI2

0224.2 MMSEC
101.69 % T0

08-25 16:4300 *R
+253.341E 06PM

0223.9 MMSEC
100.99 % T0

PRINTER USE
? YES

MODE SELECT
INPUT

OUTER DIAMETER
6.0000 IN

PIPE MATERIAL
? AL.DI

WALL THICKNESS
0.0500 IN

INNER LINING
? NO LING.

KIND OF FLUID
? ANOTHER

SOUND VELOCITY
1470 M/S-

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
3.912 IN U

08-25 16:4400 *R
+255.718E 06PM

ZERO MODE
AUT ZERO

08-25 16:4900 *R
+256.511E 06PM

08-25 16:4900 *R
+003.00 % AI2

MODE SELECT
T0 CHECK

0223.9 MMSEC
100.99 % T0

08-25 16:5000 *R
+255.454E 06PM

08-25 16:5000 *R
+256.511E 06PM

08-25 16:5100 *R
+255.454E 06PM

Handlines

Pivot

MODE SELECT
DATA SET

DATA SET MODE
? PRINTER

08-25 17:1800 *R
+366.935E 06PM

08-25 17:1800 *R
+370.897E 06PM

08-25 17:1900 *R
+370.633E 06PM

0220.8 MMSEC
101.36 % T0

08-25 17:2300 *R
+367.727E 06PM

PRINTER USE
? YES

MODE SELECT
INPUT

OUTER DIAMETER
6.0000 IN

PIPE MATERIAL
? CS.SS

WALL THICKNESS
0.1012 IN

INNER LINING
? NO LING.

KIND OF FLUID
? ANOTHER

SOUND VELOCITY
1460 M/S-

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
3.986 IN U

08-25 17:2500 *R
+372.482E 06PM

08-25 17:2500 *R
+003.00 % AI2

MODE SELECT
T0 CHECK
MODE SELECT
T0 CHECK

0220.5 MMSEC
100.66 % T0

08-25 17:2500 *R
+372.482E 06PM

ZERO MODE
AUT ZERO

08-25 17:2700 *R
+390.446E 06PM

08-25 17:2700 *R
+384.634E 06PM

08-25 17:2800 *R
+373.011E 06PM

08-25 17:2800 *R
+003.00 % AI2

08-25 17:2900 *R
+365.878E 06PM

08-25 17:3000 *R
+367.199E 06PM

08-25 17:3000 *R
+374.860E 06PM

08-25 17:3000 *R
+375.388E 06PM

08-25 17:3100 *R
+372.218E 06PM

08-25 17:3100 *R
+374.067E 06PM

08-25 17:3100 *R
+378.558E 06PM

Center Pivot
1010 End Gun on

35-8984

Pivot

35-8984

MICROFILMED

MAR 23 1995

FOUR

Polysonic
Measurement Flow

35-8984

MICROFILMED

MAR 23 1995

35-8984

Theoretical Calculations

$$Q = \frac{hp(8.814)(\text{eff})}{\text{Lift} + (\text{PSI} \times 2.308)}$$

$$hp = 60 \text{ hp}$$

$$\text{PSI} = 78 \text{ psi}$$

Assume: eff = 70%

Static water level

from well log = dynamic pumping depth = 61'

$$Q = \frac{(60)(8.814)(.7)}{61' + (78 \times 2.308)} = 1.5359 \text{ cfs} = 1.54 \text{ cfs}$$

$$= 689.3 \text{ gpm}$$

Measured:

256.5 gpm hand lines

378.5 gpm center Pivot

$$635.0 \text{ gpm} = 1.41 \text{ cfs}$$

The measured Q (635 gpm/1.41 cfs) is very close to the theoretical Q (689.3 gpm/1.54 cfs). I.E. only 54.3 gpm difference it is conceivable that the system could deliver 1.54 cfs, especially with end gun

∴ Recommend Q = 1.54 cfs total flow rate

MAR 23 1995

35-8984

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
POINT OF DIVERSION OVERLAP REVIEW

35-8984
Permit Number

1. Analysis of Entire System, Current Application Rate per Acre (Qc):
Limit to 0.02 cfs/ac, Permitted Amount, or System Capacity, Whichever is Less.

A. Total Number of Acres irrigated = 108 acres

B. Total Diversion Rate = 1.54 cfs

$$Q_c = \text{Total Diversion rate [1.B]} / \text{Total irrigated acres [1.A]} \\ = \frac{1.54}{\text{cfs}} \div \frac{108}{\text{acres}} = \underline{0.014259} \text{ cfs/ac}$$

2. Old Application Rate per Acre (Qo) from Licensed Flow Rates:

License # 35-02562 @ 1.26 cfs / 108 ac

License # _____ @ _____ cfs / _____ ac

License # _____ @ _____ cfs / _____ ac

$$Q_o = \text{Total Licensed Rate} = \frac{1.26 \text{ cfs}}{108 \text{ ac}} = \underline{0.011667} \text{ cfs/ac} \\ (\text{Old Diversion Rate}(Q_o) = \text{Licensed Flow Rate} / \# \text{ acres})$$

3. Comparison of Diversion Rates if: ~~NOTE: Permit is for only 102 acres~~ *

A. Old Diversion Rate(Qo) > New Diversion Rate(Qc) : **EXCLUDE** Licensed Lands.

Qo(#2) = _____ > Qc(#1) = _____ GO TO ITEM #4A.

B. New Diversion Rate(Qc) > Old Diversion Rate(Qo) : **INCLUDE** Licensed Lands.

Qc(#1) = 0.014259 > Qo(#2) = 0.011667 CONTINUE TO ITEM #3.B.1

1. Additional Flow Rate for Licensed Lands.

$$Q_a = (Q_c - Q_o) \times (\# \text{ Lic. Ac.}) = \left[\left(\frac{0.014259}{\text{cfs/ac}} \right) - \left(\frac{0.011667}{\text{cfs/ac}} \right) \right] \times \left(\frac{102^*}{\text{acres}} \right) = \underline{0.28} \text{ cfs}$$

2. Flow Rate for New Acreage. Total acres(#1.A) - Licensed acres(#3) = New Acres
(108 - 102) = 6 acres

$$Q_n = (Q_c) \times (\# \text{ New Ac.}) = (\underline{0} \text{ cfs/ac}) \times (\underline{0} \text{ ac}) = \underline{0} \text{ cfs}$$

GO TO ITEM #4B.

4. Calculate Total Flow Rate to be licensed:

A. Flow Rate excluding licensed land. Total Acres(#1.A) - Lic. Acres(#2) = New Acres
(108) - (102) = 6 ac

$$Q_t = Q_c(\#1) \times (\# \text{ New Acres}) = \underline{\hspace{2cm}} \text{ cfs/ac} \times \underline{\hspace{2cm}} \text{ ac} =$$

$$Q_t = \underline{\hspace{2cm}} \text{ cfs}$$

CONDITIONS/REMARKS: _____

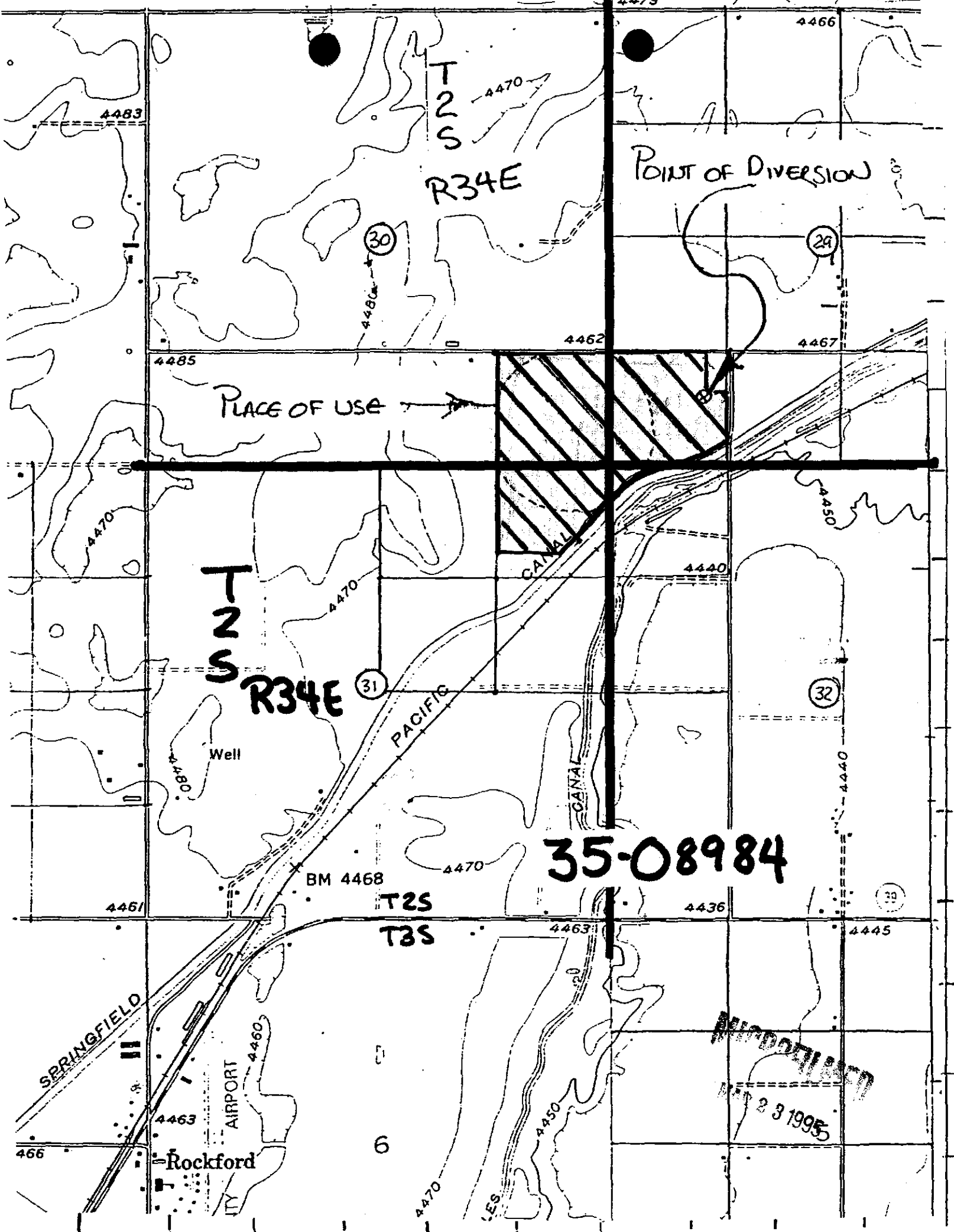
- B. Flow Rate including licensed land.

$$Q_t = Q_a(\#3.B.1) + Q_n(\#3.B.2) = \underline{0.28} \text{ cfs} + \underline{0} \text{ cfs} =$$

$$Q_t = \underline{0.28} \text{ cfs}$$

CONDITIONS/REMARKS: _____

RECEIVED
MAR 23 1995



4483

4466

T2S
R34E

POINT OF DIVERSION

(30)

(29)

4462

4467

4485

PLACE OF USE

T2S
R34E

(31)

(32)

Well

BM 4468

35-08984

4461

T2S
T3S

4436

4445

SPRINGFIELD

AIRPORT

4463

466

Rockford

6

REPRODUCED
MAY 23 1995

T 1560
907

NHEL
2
5

Sec #29

Sec 30

T 2 S
R34E

HEL
1
POINT OF
DIVERSION
155.7
Canal/Re

NHEL
2
39.2

PLACE OF USE

30 29
31

2

27

HEL

9.3

SEC 31

SEC 32

HEL
3A
120
35-08984

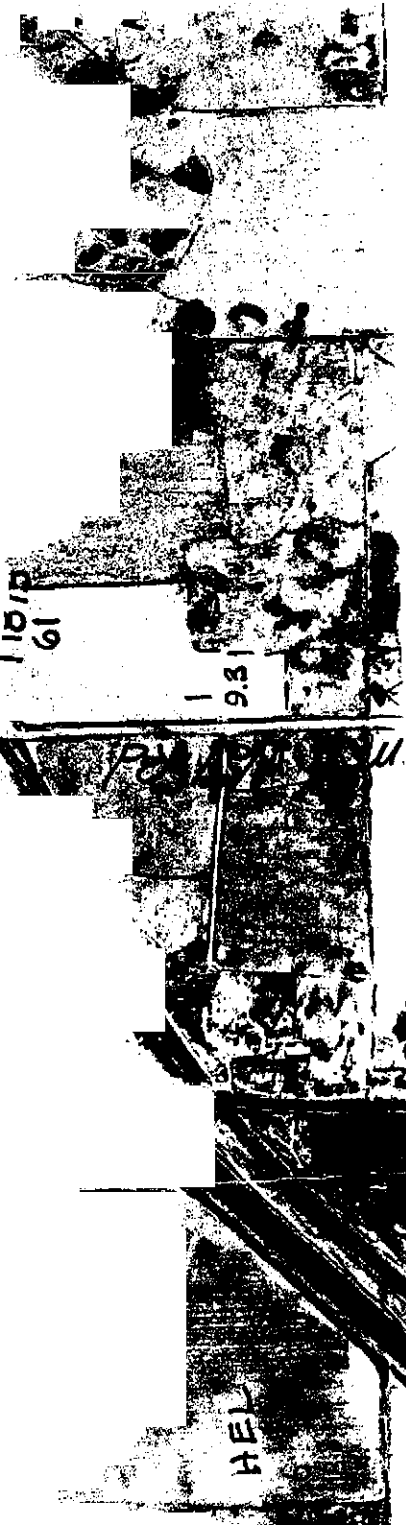
HEL
3
27.7

1674
61

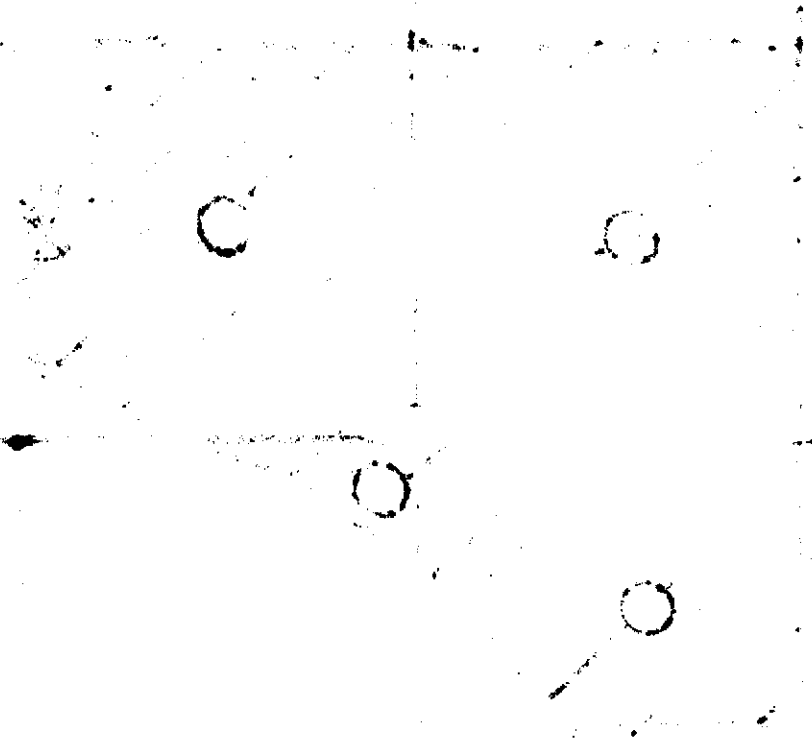
Canal

3
26

APPROVED
MAR 23 1995



2



18532

CENTER PILOT



MEASUREMENT SITE

35-8984

RECEIVED
JUN 23 1995



Main line
To ↙
handlines

down turn
of
mainline
To
Centerpivot

35-18984

MAR 23 1995

May 7, 1993

BARRY CHRISTENSEN
1198 W 125 N
BLACKFOOT ID 83221

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 35-08984

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

I note that the permit issued to you by the department requires the installation of a flow measurement port to allow the department to determine the rate of diversion. The proof which you submitted does not show that you have installed this equipment.

The installation of the flow measurement port must be complete by the time the department representative conducts the examination of your system unless the department has rescinded the requirement prior to the field examination. In some cases, the equipment requirement can be rescinded because the equipment cannot be physically installed, is not appropriate or can be accommodated with other measuring methods.

If you have questions concerning this matter, please feel free to contact the EASTERN Regional Office in Idaho Falls at (208)525-7161.

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region

MICROFILMED

MAY 25 1993

April 30, 1993

BARRY CHRISTENSEN
1198 W 125 N
BLACKFOOT ID 83221

PROOF DUE NOTICE

RE: PERMIT NO. 35-08984

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 July 1, 1993. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

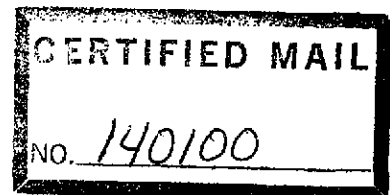
If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental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

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

SINCERELY,

Karen L. Gustafson
Secretary/Records Manager

Enclosures



MICROFILMED

MAY 25 1993



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

June 3, 1992

BARRY CHRISTENSEN
1198 W 125 N
BLACKFOOT ID 83221

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 35-08984

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

Enclosed is a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed is a form entitled "Proof of Beneficial Use". If your project is already completed you should complete and submit this form immediately.

Be sure to note the special condition requiring you to install a measuring device. Enclosed, for your reference, is a list of measuring device options.

Sincerely,

BRENDA L. MILLER
Technical Records Specialist

BLM:cz

Enclosures

MICROFILMED

JUN 10 1992

12-Mar-1992

BARRY CHRISTENSEN
1198 W 125 N
BLACKFOOT ID 83221

RE: Application No. 35-8984

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your water right permit. This office is currently in the process of advertising the application in the Morning News on 3-19 & 26-1992. The advertisement will be published for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our state office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

RECEIVED

JUN 10 1992

AFFIDAVIT OF PUBLICATION

County of Bingham)
 State of Idaho) ss
 I, Jacqueline Graham do
 solemnly Legal

swear that I am the Coordinator of
The Morning News, which is a daily news-
 paper of general circulation, published
 each day except Sunday at Blackfoot,
 Bingham County, Idaho, said newspaper
 having been so published at Blackfoot,
 aforesaid for more than one year past;
 that said newspaper heretofore complied
 with all the provisions of Chapter 154 of
 the Sessions Laws of Idaho of 1911, ap-
 proved March 11, 1911, and duly desig-
 nated, pursuant to law, a particular day
 of the week as the day on which legal no-
 tices required by law or by the order of
 any Court of competent jurisdiction within
 the State of Idaho shall be published to-
 wit: of each week; that the notice at-
 tached hereto and which is a part of this
 affidavit and part of the proof of publi-
 cation was published in said issue of said
 newspaper 2 consecutive weeks
 the first publication having been made on
 the 19th day of March,
1992 and the last publication having
 been made on the 26th day of
March, 1992; that said notice
 was published in the regular and entire
 issue of every number of the paper as
 aforesaid during the period and time of
 publication, and that notice was pub-
 lished in the newspaper and not in a sup-
 plement.

On this 30th day of March, in
 the year 1992, before me a Notary
 Public of said State, personally appeared

known or identified to me to be the per-
 son whose name is subscribed to the with-
 in instrument, and being by me first duly
 sworn, declared that the statements
 therein are true, and acknowledged to
 me that she executed the same.

Patricia A. Johnson

Notary Public for the State of Idaho
 Residing at Blackfoot, Idaho
 My Commission Expires:
 October 10, 1994

Affidavit Processing Fee. \$5.00

MICROFILMED
 JUN 10 1992

DEPT. OF WATER RESOURCES
 150 Shoup Ave, Suite 15
 Idaho Falls, Idaho 83402
 (208) 525-7161

**NOTICE OF APPLICATION
 FOR WATER RIGHT**

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

35-08984

CHRISTENSEN, Barry
 1198 W. 125 N.
 Blackfoot, Idaho 83221
 Source: GROUNDWATER
 Diversion Pt: NESWSW, Sec. 29, T.
 02S, R. 34E, in BINGHAM County.
 Use: IRRIGATION (.780 CFS).
 Total Diversion: (.780 CFS).
 Date Filed: 2/24/1992.
 In: BINGHAM County - T02S, R34E,
 S29, SWSW; S30, SESE; S31, NENE;
 S32, NWNW.
 102.0 ACRES TOTAL.

35-08985

SEARLE, Paul
 465 E. 1200 N.
 Shelley, Idaho 83274
 Source: GROUNDWATER
 Diversion Pt: SWNE, Sec. 13, T. 01S,
 R. 36E, in BINGHAM County.
 Use: IRRIGATION (1.500 CFS).
 Total Diversion: (1.500 CFS).
 Date Filed: 2/13/1992.
 In: BINGHAM County - T01S, R36E,
 S13, SWNE, NWSE.
 75.0 ACRES TOTAL.

35-08986

DRISCOLL, Wallace W.
 DRISCOLL, Maurine D.
 2459 W. 1100 S.
 Aberdeen, Idaho 83210
 Source: GROUNDWATER

Diversion Pt: Lot 4 (SWSW), Sec. 31,
 T. 04S, R. 32E, in BINGHAM County.
 Use: IRRIGATION (.800 CFS).
 Total Diversion: (.800 CFS).
 Date Filed: 2/13/1992.
 In: BINGHAM County - T04S, R32E,
 S31, Lot 4 (SWSW).
 40.0 ACRES TOTAL.

35-08988

MARLOW, Charles
 MARLOW, Sylvia
 674 W. Highway 26
 Blackfoot, Idaho 83221
 Source: GROUNDWATER
 Diversion Pt: NWSW, Sec. 24, T. 02S,
 R. 34E, in BINGHAM County.
 Use: IRRIGATION (.340 CFS).
 Total Diversion (.340 CFS).
 Date Filed: 2/28/1992.
 In: BINGHAM County - T02S, R34E,
 S24, NWSW.
 17.0 ACRES TOTAL.

The permit(s) will be subject to all prior
 water rights. Protests must be filed with
 the Director, Dept. of Water Resources,
 Eastern Region, 150 Shoup Avenue,
 Suite 15, Idaho Falls, Idaho, 83402, on or
 before APRIL 6, 1992.

R. KEITH HIGGINSON
 Director

(1416)
 Pub.: 3/19, 26

STATE OF IDAH
DEPARTMENT OF WATER RESOURCES
Eastern Region
150 Shoup Ave., Suite 15

Idaho Falls, Idaho 83402
(208) 525-7161

MARCH 11, 1992

THE MORNING NEWS
P.O. BOX 70
BLACKFOOT, ID 83221

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before APRIL 6, 1992.

Yours truly,

Rita Bodell
Secretary

Encl.

MICROFILMED
JUN 10 1992

NOTICE OF APPLICATION FOR WATER RIGHT

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

RECORDED

JUN 10 1992

35-08984

CHRISTENSEN, BARRY
1198 W 125 N
BLACKFOOT, ID 83221

Source: GROUNDWATER

Diversion Pt: NESWSW Sec 29 T 02S R 34E in BINGHAM County.

Use: IRRIGATION (.780 CFS)
Total Diversion: (.780 CFS)

Date Filed: 2/24/1992

In: BINGHAM County	
T02S R34E S29	SWSW
S30	SESE
S31	NENE
S32	NWNW

102.0 ACRES TOTAL

RECORDED
INDEXED

JUN 10 1992

RECEIVED

FEB 24 1992

Department of Water Resources
Eastern District Office

REQUEST FOR WITHDRAWAL OF CLAIM

Form 25a

Name of Claimant: BARRY CHRISTENSEN
(Please Print)
Mailing Address: 1198 W 125 N, BLACKFOOT, ID. 83221
Amount: \$ 50.00 Receipt No.: E009058
County of Water Right: BINGHAM &
Claim No(s): A35-12135

I wish to withdraw the Notice(s) of Claim to a Water Right which number(s) appear above and for which I previously paid a filing fee to the Idaho Department of Water Resources. I do X /do not request a refund of the filing fee. If a refund is requested I have attached an explanation of the justification for granting a refund.

Barry Christensen
(Signature of Claimant)

2/20/92
(Date)

(Signature of Claimant)

(Date)

(Signature of Claimant)

(Date)

Return to:

Idaho Department of Water Resources
Adjudication Section

For IDWR Use

	Initials	Date
Approval Region	_____	_____
Approval State Office	_____	_____
Data Entry	_____	_____
Claim File	_____	_____

RECEIVED
JUN 10 1992

WE DISCOVERED WHEN LOOKING FOR EVIDENCE OF
PRIORITY FOR THIS RIGHT THAT THE DEVELOPMENT
WASNT COMPLETED UNTIL 1972-1973. RATHER THAN
RELY ON THE CLAIM TO RECORD FOR USE, WE
WILL FILE AN APPLICATION FOR PERMIT TO COVER
THE ADDITIONAL WATER DIVERTED FROM OUR WELL.

WE WANT TO WITHDRAW THIS NOTICE OF CLAIM
AND HAVE THE FEE WE PAID BE APPLIED TO
THE FILING FEE FOR THE APPLICATION FOR PERMIT (\$45⁰⁰).
ANY BALANCE, PLEASE REMIT TO ME.

Benny Chis

SIGNED

2/20/92
DATE

Application for permit #35-8984

MICROFILMED

JUN 10 1992