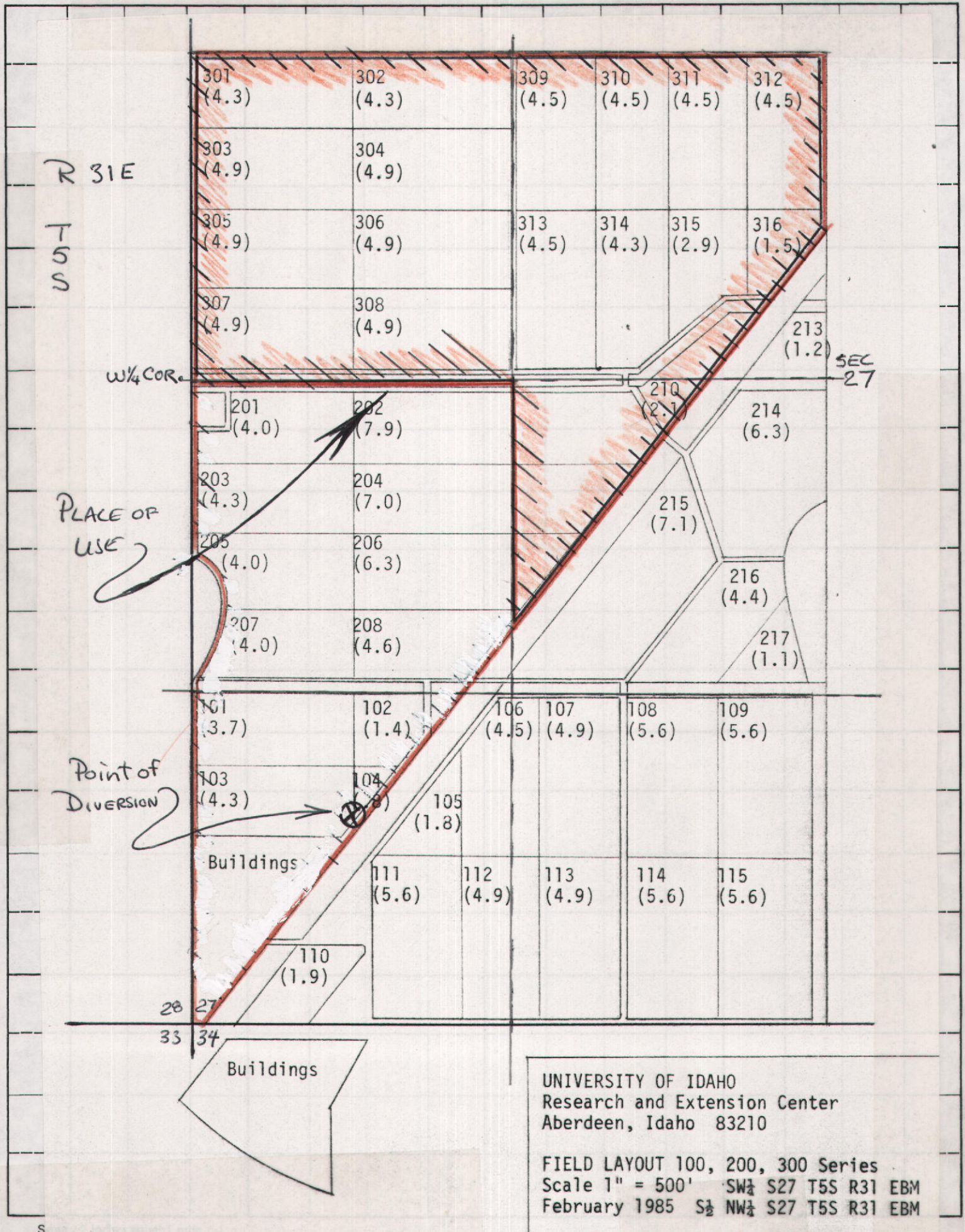


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

RECORDED

DEC 13 1989

Galen McMaster
 (Applicant)
 Supt.

MULTIPLE RIGHTS SYSTEM

35-08592

05S 31E S27

NWNW	NENW	NWNE	NENE
SWNW 11 38 34-27	SENW 37 37	SWNE	SENE
NWSW 36 36-36	NESW 9 10-9	NWSE	NESE
SWSW 6 6-14	SESW	SWSE	SESE

○ ACRES FOUND

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MAY 3 0 1995

Recommend reducing the ACRES in the SWNW from 11 to 4.

34 OF 38 are covered @ .02 per acre under R35-07643A (BC)

L35-08592

{ R35-07643A
LICENSE 35-07643A

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MAY 30 1995

35-08592

21 22
28 27

T 2189
2921

T 5
R 31E

HEL
2
28.6

77.5

38.2

T 24125
2921

(35)

(32)

35-08592

27

Field shown includes
35-07643A

35-7643A

(9)

(36)

(C)

Well

T 5
S
R 31E

RECORDED

MAY 30 1995

28 27
33 34

95.6

35-8592

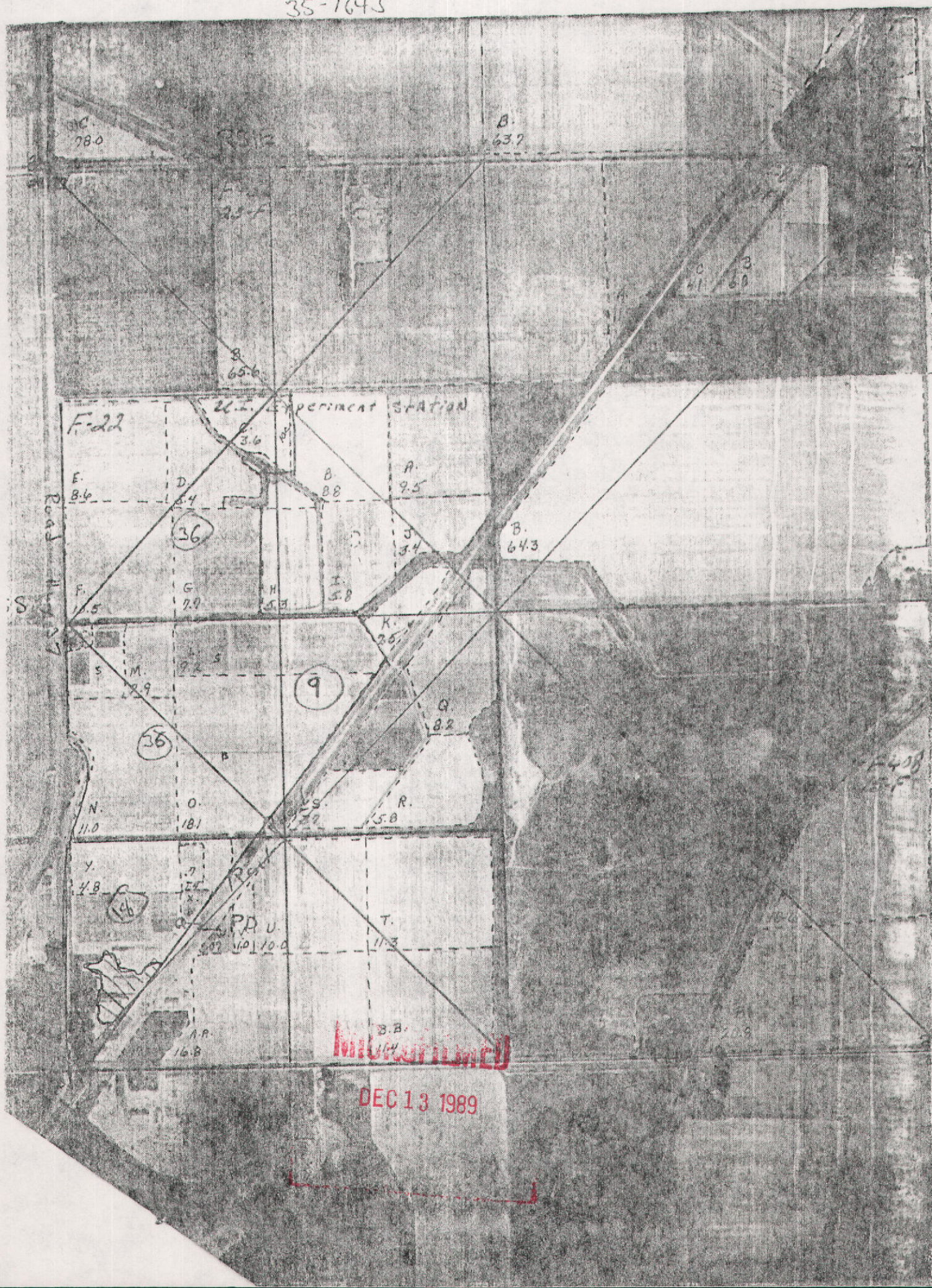
35-8592



35-8592

MAY 30 1995

35-7643



State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 35-08592

Priority: June 25, 1985 Maximum Diversion Rate: 0.82 CFS

This is to certify, that UNIVERSITY OF IDAHO
RESEARCH & EXTENSION CENTER
PO BOX AA
ABERDEEN ID 83210

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated June 25, 1985; and has submitted Proof of Beneficial Use on May 8, 1990. An examination indicates that the works have a diversion capacity of 2.680 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	0.82 CFS	

LOCATION OF POINT(S) OF DIVERSION: SWSW , Sec. 27, Township 05S, Range 31E
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>
05S	31E	27	SWNW 4	SESW 37		41

Total number of acres irrigated: 41

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. Right 35-07643A is also diverted through the point(s) of diversion described above.
7. 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.

MAY 8 0 1995

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

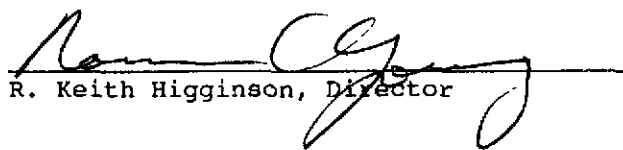
WATER RIGHT NO. 35-08592

CONDITIONS/REMARKS:

8. This right to divert groundwater shall not be used if the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use without the approval of the Department.
9. This right when combined with all other rights shall provide no more than .02 cfs per acre nor exceed a combined annual diversion volume of 164.0 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 24th day of MAY, 1995.

Acting for


R. Keith Higginson, Director

RECEIVED

300-200 Series
STATE OF IDAHO

For Office Use Only
Amt. of Fee \$ 100.00
Date 8 May 90
Receipt No. E014289
Received by KWJ
5-31-90

MAY - 8 1990

DEPARTMENT OF WATER RESOURCES

Department of Water Resources
Eastern District Office

PROOF OF BENEFICIAL USE

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

Permit No. 35-08592 Telephone No. (208) 397-4181

Name(s) of Permit Holder(s): University of Idaho Regents

Post Office Address: P.O. Box AA, Aberdeen, Idaho 83210

Source of Water: groundwater

If ground water, well driller's name: Paul Volmer Date drilled: August 1977

Extent of Use:
Domestic _____ (No. of households) Irrigation 50 (No. of acres)
Stockwater _____ (No. and type of stock) Other _____

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

Show date water was first diverted and beneficially used under this permit: June 25, 1985

One of the following may be a condition of approval of your permit:

Measuring device: Required? ☒ Yes ☐ No Installed? ☒ Yes ☐ No

OR

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

Fee Enclosed: \$ 100.00 (See License Examination Fee Schedule)

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

Larry R. Sandvol or Robert Buffi 397-4181
Name Telephone No.

University of Idaho, P.O. Box AA, Aberdeen, Idaho 83210
Address

JUN 19 1990

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.

3-30-90
Date

Larry Sandvol
Signature (and title if on behalf of a company or organization)

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 35-08592

Proposed Priority: June 25, 1985

Maximum Diversion Rate:

1.00 CFS

This is to certify, that **UNIVERSITY OF IDAHO**
RESEARCH & EXTENSION CENTER
P.O. BOX AA
ABERDEEN, ID 83210

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 11/01	1.00 CFS

LOCATION OF POINT(S) OF DIVERSION: SWSW Sec. 27, Township 05S, Range 31E
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>
05S	31E	27	SWNW 11	SENEW 34	NESW 5	50

Total number of acres irrigated: 50

PLACE OF USE: MUNICIPAL, same as IRRIGATION use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **January 1, 1991**.
2. Subject to all prior water rights.
3. The right to the use of water acquired under this permit shall not give rise to any right or claim against the holder of a senior right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
4. The Director retains jurisdiction of the permit 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.
5. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. Prior to the diversion of water under this permit a flow measurement port or other device as specified by the Department shall be installed to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
7. 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.

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 35-08592

CONDITIONS/REMARKS:

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

7th day of December, 1989.

for *R. Keith Higginson*
R. Keith Higginson, Director

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DEC 13 1989

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant University of Idaho Research & Extension Center Phone 397-4181
Post office address Box AA, Aberdeen, ID 83210

2. Source of water supply groundwater which is a tributary of _____

3. Location of point of diversion is SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 27 Township 5S
Range 31E B.M. Bingham County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 1.00 cfs for Irrigation purposes from 4/1 to 11/1 (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:

a. 1.00 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, mainline with handline

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 16 inches; proposed depth of well is 355 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: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ 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 _____

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

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

DEC 13 1989

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

TWP	RANGE	SEC.	NE%				NW%				SW%				SE%				TOTALS
			NE%	NW%	SW%	SE%	NE%	NW%	SW%	SE%	NE%	NW%	SW%	SE%	NE%	NW%	SW%	SE%	
5S	31E	27							11	34	5								50

Total number of acres to be irrigated 50

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

9. a. Who owns the property at the point of diversion Regents University of Idaho
 b. Who owns the land to be irrigated or place of use " " " "
 c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing

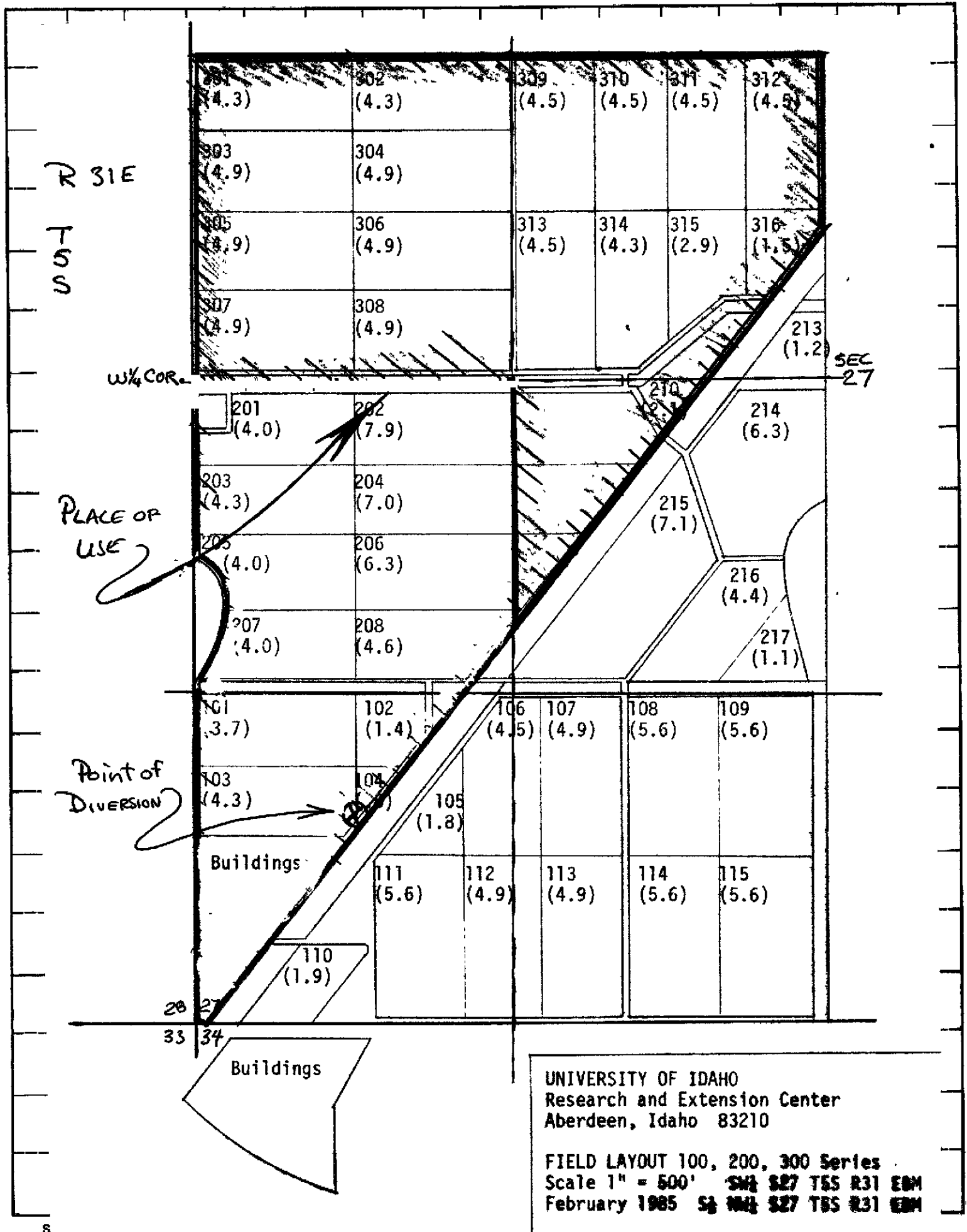
10. Remarks The application is for development already
in place as of May, 1984. The application
is being made to insure that the benefits of
subordination per the Swan Falls Agreement
are obtained. The applicant intends to claim
the priority of May 15, 1984 if a basin
wide adjudication occurs at a later date.

This application is for land not covered under 35-7643.

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DEC 13 1989

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.

RECEIVED

DEC 13 1989

Galen McMaster
(Applicant)
Supt.

Assisted By KCW 25 June 1985

Received by CW Date 6-25-85 Time 3:03

Preliminary check by _____ Fee \$ 45.00

Received by CW Date 6-25-85 # 33364

Publication prepared by RB Date _____

Published in Morning News

Publication dates 10-5 & 12-89

Publication approved RB Date 10-23-89

Protests filed by: none

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by HWS

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. Other:

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DEC 13 1989



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

KARL J. DREHER
DIRECTOR

May 25, 1995

UNIVERSITY OF IDAHO
RESEARCH & EXTENSION CENTER
PO BOX AA
ABERDEEN ID 83210

RE: WATER RIGHT NO. 35-08592

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

RECORDED

MAY 30 1995

LICENSE REVIEW CHECKLIST



PERMIT NO. 35-08592 DATE 5-8-95

NAME Change OK ✓ Or Address Change?

PRIORITY DATE ✓ Advance? ✓ Advanced to:
 Order to reinstate needed?
 Incorrect fee for rate recommended? NO

SOURCE ✓ Changes or just clarification of originally intended source?
 Notice of Intent to Void necessary?

POINT OF DIV ✓ Amendment needed?
✓ Overlaps? 35-07643A For 1.72 CFS (ADJACENT ACRES)

PLACE OF USE ✓ Amendment needed?
✓ Overlaps? Aberdeen Springfield Water

DIV RATE ✓ Permit/fee limits: 1CFS
 (Annubar) Meas Q = 2.68 Theo Q = 2.61 Recommend: .92
41 x .02 = .82 CFS
 CAPACITY = 2.68
35-07643A = 1.72
 AVAILABLE .96
 Combined rates exceed capacity NO

ANNUAL VOLUME ✓ Volume Limit: Season: 2/4 (4-1 to 10-31) NEW
✓ Calculations: 41 x 4.0 = 164.0 AF
 Flow limit: cfs x x 1.9835 =
 Combined volumes exceed capacity/allowable NO

USES ✓ Change in Nature of Use or additional uses?
 Amendment necessary?

ADDITIONAL INFO Supplemental Groundwater YES PPU Scenario NO
 Irr/Dom Combination NO Shared G/W System YES

NEW REMARKS NO Multiple p/d(s) in 1/4 1/4?
YES Other WB3, WB8/7, WB36

NEW CONDITIONS NO Watermaster control - District
NO Measuring/Locking Devices
NO Irrigation Overlap
→ Other KEEP NON-TRUST 048 + 049
NO Water Quality Heat/Cool/Fish verified

COMMENTS: Supplemental GW; Reduce acres and rate.

RECOMMENDATION	CFS	VOLUME	SRBA Claim Filed	Adjustment Memo Needed	LICENSE
<u>Irrigation</u>	<u>.82</u>	<u>164.0</u>	<u>NO</u>	<u>Yes</u>	<u>✓</u>
<u> </u>	<u> </u>	<u>(IN REMARKS)</u>			
<u> </u>	<u> </u>	<u> </u>			
<u> </u>	<u> </u>	<u> </u>			
<u> </u>	<u> </u>	<u> </u>			
			1ST AMEND LETTER		
			2ND AMEND LETTER		

MEMORANDUM

TO: File 35-08592 / University of Idaho
FROM: Brenda Chapman
DATE: May 8, 1995
RE: Recommendation Adjustment(s)

=====

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

C. DIVERSION AND DELIVERY SYSTEM

2. Place of Use: The examiner found 38 acres were irrigated in the SWNW of Section 27. Right 35-07643A was licensed for 27 acres in that $\frac{1}{4}$; therefore the recommendation was made to license the remaining 11 acres under this right, 35-08592.

However, the Adjudication recommendation for A35-07643A lists 34 of the 38 acres are covered by 35-07643A @ .02 per acre. Therefore, the recommendation to reduce the number of acres from 11 to the remaining 4 in the SWNW $\frac{1}{4}$ is being made for this license (35-08592).

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Irrigation	4-01 to 10-31	.82	Not listed

The acre reduction also reduced the rate of flow and volume recommendations.

The volume recommendation is addressed in the remarks based on current supplemental groundwater processing procedures.

See attached overlap grid map.

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MAY 8 0 1995

MULTIPLE RIGHTS SYSTEM

35-08592

05S 31E S27

NWNW	NENW	NWNE	NENE
SWNW 11 (38) [redacted] 27	SENW (37) 37	SWNE	SENE
NWSW (36) 36-[redacted]	NESW (9) [redacted] 9	NWSE	NESE
SWSW (6) [redacted] 14	SESW	SWSE	SESE

○ ACRES FOUND

L35-08592

{ [redacted] R35-07643A
LICENSE 35-07643A

RECORDED

MAY 3 0 1995

Recommend reducing the ACRES in the SWNW from 11 to 4.

34 OF 38 are covered @ .02 per acre under R35-07643A (BC)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Staff Analysis Sheet
for
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

- ☐ Blank Field Report Form
- ☐ Copy of Permit
- ☐ Copies of any Amendments/Orders with Conditions of Approval
- ☐ Well Inspection Form (If Needed)
- ☐ Aerial Photo Required? ☐ yes ☐ no If yes: ☐ copy attached
- ☐ SRBA Attachment A Submitted to Adjudication Section
- ☐ SRBA Claim Check Received _____ (initial & date)
☐ N/A ☐ Applicable, See Attachment A _____
- ☐ Copy of U.S.G.S. Quad
- ☐ Check for Government Lots. If so, make a copy of government plat
- ☐ Check of P/D index _____ (initial & date)
Overlap ☐ yes ☐ no If yes: ☐ copy of exam(s) attached?
Type of Overlap? ☐ Add acres or uses to existing system
☐ Increase rate of flow or volume
☐ Other: _____
- ☐ Check of P/U index _____ (initial & date)
Overlap? ☐ yes ☐ no If yes: ☐ copy of water right(s) attached?
Type of Overlap? ☐ Increase rate of flow or volume
☐ Add P/D's
☐ Increase number of acres within tracts
☐ Other: _____
- ☐ Scheduling Letter Sent? _____ (initial & date)
- ☐ Appointment Made and Telephone Conversation Memo Attached

B. After Conducting the Exam, the File Contains:

- ☐ Fully Completed and Signed Field Report Form
- ☐ Photographs of Point of Diversion and Place of Use
- ☐ Copy of SRBA Claim Verification Sheet / ☐ Original Returned to Adjudication Section

C. Review and Processing:

- Exam Completed CB 7-18-19 (signature of examiner & date)
- Exam Reviewed by Senior Water Resource Agent HWT 12/21/94 (initial & date)
- Exam Reviewed by Manager of Regional Office _____ (initial & date)
- Exam Sent to State Office LK 12/23/94 (initial & date)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
DEC 27 1994
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 35-8592

1. Owner: University of Idaho Phone No. 397-4881

Current Address: P.O. Box AA Aberdeen, Id 83210

2. Accompanied by: Robert Ruffi EXAM. DATE: 7-18-91

Address: Same Phone No. 397-4181

Relationship to Permit Holder: Employee

3. Source: groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: Adjacent ones to 35-07643 A

☐ Copies Attached

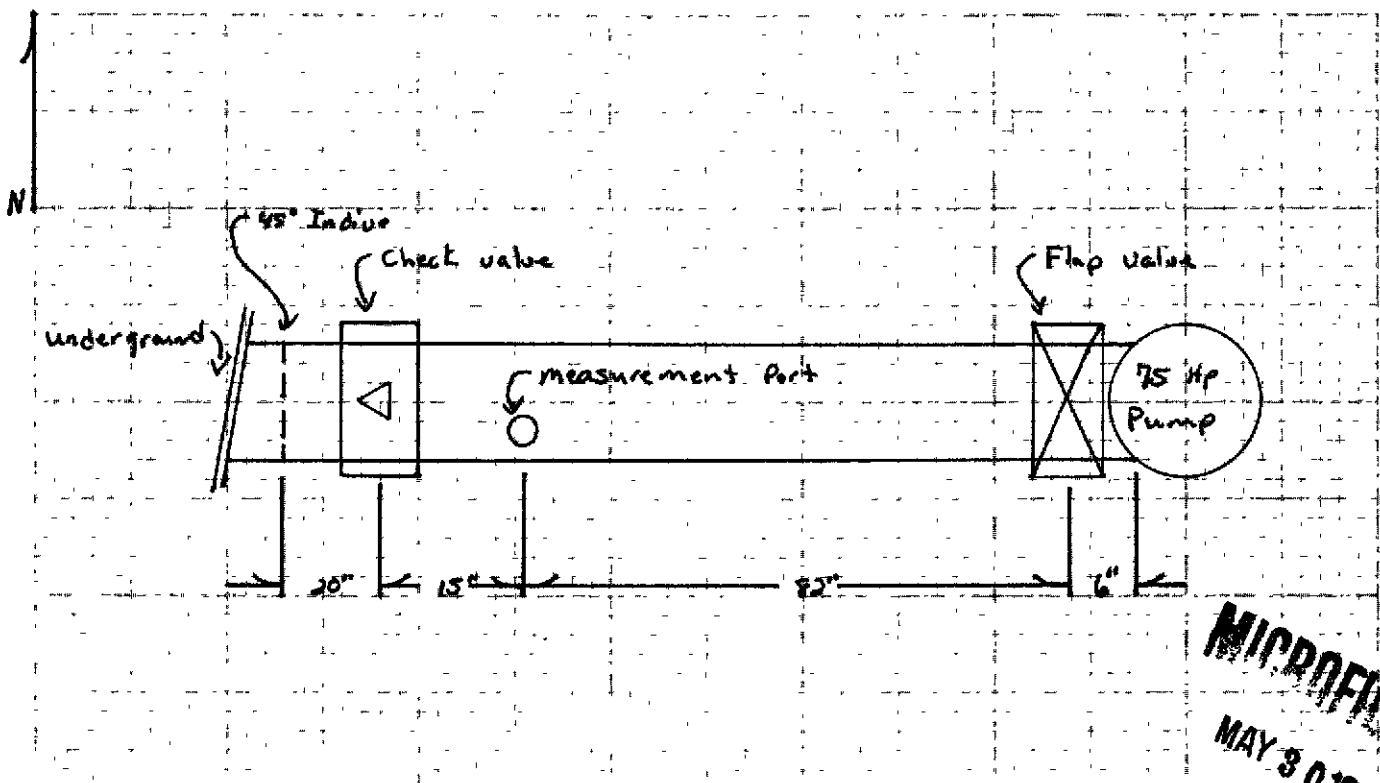
2. Other water rights with same point of diversion: 35-07643 A

☐ 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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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).

☒ Photo of Diversion and System Attached

(required for all but single household domestic groundwater, and stockwater.

☒ Aerial Photo Attached
(required for irrigation of 10 acres or more).

System Description (continued)

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

75 Hp pump to 10" underground main line to 20-16 bld.
with $\frac{1}{2}$ " nozzels, Hand lines. operating pressure 65 psi

* according to Buff: pumping Depth is 27'

☐ 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
	G.E.	75	YEG 483243	Worthington	10" discharge

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	SW	27	55	31E	Bingham	Quad map + onsite Inspection

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	
55	31E	27							11	37									48

*

* See attached adjustment explanation memo. BC

Do not use this space

RECORDED

MAY 30 1995

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow meter station	Gunnbar	Dietrich	7517-316-55	91417	10.02	—
Flow Indicator	Manometer	IDWR	—	—	60"	—
Pressure Gauge	Fluid	Rainbird	—	—	0-160	—

2. Measurements:

a/ 1.72 cfs Licensed For 35-07643A
 b/ Capacity 2.68 cfs - 1.72 cfs = 0.96 cfs
 c/ Found 48 acres @ 0.02 cfs = 0.96 cfs
 Recommend 0.96 cfs

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method: Manometer + Annubar @ 2.68 cfs

2. Alternate Method for Checking Purposes:

$$20 \times 16 \times 3.77 \text{ gpm} = 1206.4 \text{ gpm}$$

$$\frac{75 \text{ HP} (8.814)(.7)}{27' + (65 \times 2.308)} = 1170.6 \text{ gpm}$$

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:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 48 \text{ acres} \times 4 \text{ af} = 192 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.96 \text{ cfs} \times 214 \text{ d} \times 1.9835 = 407$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 192 \text{ af}$$

2. Volume Calculations for Other Uses:

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 MAY 30 1995

H. REMARKS AND OVERLAP REVIEW ANALYSIS

This was licensed as additional acres within the same irrigated field as 35-07643A. License 35-07643B is on a separate well for use around the Aberdeen Experiment station.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
* Irrigation	4-1	10-31	0.96	192
Totals:			0.96 cfs	192 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 Gary Burt

Signature Gary Burt

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.

* See attached adjustment explanation memo. *JB*

1810001-420

MAY 30 1995

DEPARTMENT OF WATER RESOURCES

SUPPLEMENTAL FIELD REPORT FOR ANNUBAR MEASUREMENT

Measured by: My

Date 7-18-91

Owner: University of Idaho

Permit No. 35-8592

Description of well &/or measuring site

- Include any clarifications of the sketch
- Include legal description if more than one p.d. is described in the Field Report

MEASURED INSIDE PIPE DIAMETER IN INCHES (ID)

CIR = Pipe Circumference in Inches = 33.8
T = Pipe Thickness in Inches = .135
ID = 2 [(0.1592 X CIR) - T] = 10.48

ANNUBAR DESCRIPTION & CONSTANT (C)

Size Used in Test 10.02
State ID No. 191146

Select C based on size from Table below.

Nominal Pipe Size	C
4"	4.23
6"	3.75
8"	3.87
10"	3.94
12"	3.99
14"- 16"	4.01
18"- 24"	4.02
30" or larger	4.03

C selected 3.94

DIFFERENTIAL PRESSURE READING IN INCHES OF H₂O (H)

High Reading = 35.8
Low Reading = 28.1
High - Low = H = 7.7

CALCULATION OF DISCHARGE IN CFS (Q)

$$Q = \frac{(ID)^2 \cdot (\sqrt{H}) \cdot (C)}{448.8}$$

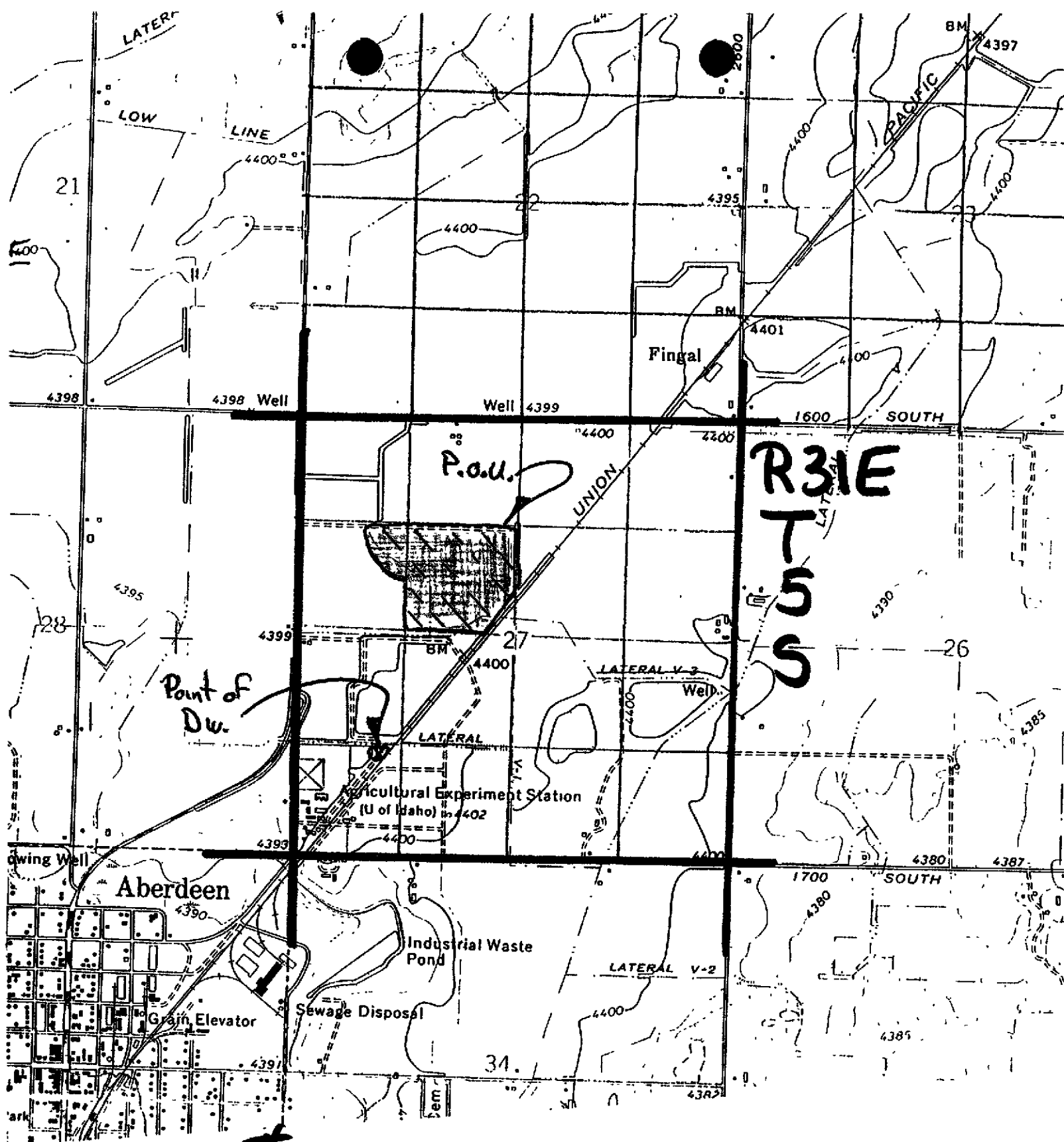
$$Q = \frac{10.48^2 \cdot (\sqrt{7.7}) \cdot (3.94)}{448.8} = 2.68 \text{ cfs}$$

$$1200.8 \text{ gpm}$$

65 PSI
27' D.P.D.
20-16 b/rds 1/8 nozzle

SKETCH (If not shown on Field Report)

MICRO
MAY 30 1995



35-08592

MIDFILMED
MAY 30 1995

2189
2921

HEL

77.5

38.2

T 244.3
2921

35-08512

35-7643A

4513
770

35-859

35-8592

35-8592

MAY 30 1995

June 4, 1990

UNIVERSITY OF IDAHO
RESEARCH & EXTENSION CENTER
P.O. BOX AA
ABERDEEN, ID 83210

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 35-08592

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.

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

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

MICROFILMED

JUN 19 1990

S T A T E O F I D A H O
D E P A R T M E N T O F W A T E R R E S O U R C E S

Statehouse
Boise, Idaho 83720
(208) 327-7900
December 8, 1989

UNIVERSITY OF IDAHO
RESEARCH & EXTENSION CENTER
P.O. BOX AA
ABERDEEN, ID 83210

P E R M I T A P P R O V A L N O T I C E

RE: PERMIT NO. P35-08592

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.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

Be sure to note the special condition requiring you to install a measuring device, or a flow measurement port ~~to~~ provide for the installation of measuring equipment by the Department. Enclosed please find a list of measuring device options, and specifications for the installation of the flow measurement port.

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DEC 13 1989

We have enclosed 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 for your convenience is a form entitled "Proof of Beneficial Use" that must be submitted to the Department when your project is completed. If development is complete, you may submit proof of beneficial use immediately.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

MICROFILMED

DEC 13 1989

27-Sep-1989

University of Idaho Research &
Extension Center
Box AA
Aberdeen, ID 83210

RE: Application for Permit No. 35-8592

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your water right permits. This office is currently in the process of advertising the applications in the Morning News. 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

EX-103 FILMED

DEC 13 1989

DEPT. OF WATER RES. 6
150 Shoup Ave., Suite 15
Idaho Falls, Id. 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:

35-08592

UNIVERSITY OF IDAHO RESEARCH
AND EXTENTION

BOX AA
Aberdeen, Idaho 83210
Source: GROUNDWATER
Diversion Pt: SWSW, Sec. 27, T. 05S, R. 31E.
Use: IRRIGATION (1.000 CFS).
Date Filed: 6/25/1985
In: T05S, R31E, S27, SWNW, SENW, NESW.
50.0 ACRES TOTAL

35-08597

PALMER, Neldon
PALMER, Jean
2759 West 2000 South
Aberdeen, Id. 83210
Source: GROUNDWATER
Diversion Pt: NENW, Sec. 16, T. 06S, R. 31E.
Use: IRRIGATION (320 CFS).
Date Filed: 6/21/1985.
In: T06S, R31E, S16, NENW
16.0 ACRES TOTAL.

35-08603

WHYTE, W. LaMar
Springfield, Id. 83277
Source: GROUNDWATER
Diversion Pt: SWSE, Sec. 11, T. 04S, R. 32E
Use: IRRIGATION (3.200 CFS).
STOCKWATER (.050 CFS).
Date Filed: 6/26/1985.
In: T04S, R32E, S11, SWSE, SESE, S12, NESW, SWSW, SESW.
180.0 ACRES TOTAL

35-08604

HARPER, John J.
675 South Adams Ave.
Blackfoot, Id. 83221
Source: GROUNDWATER
Diversion Pt: NWSW, Sec. 35, T. 02S, R. 34E.
Use: IRRIGATION (800 CFS).
Date Filed: 7/01/1985.
In: T02S, R34E, S35, NWSW, SWSW.
40.0 ACRES TOTAL

35-08609

JENNIE L. WILLIAMS FAMILY LTD.
Rt 5, Box 17
Blackfoot, Id. 83221
Source: GROUNDWATER
Diversion Pt: NENE, Sec. 4, T. 03S, R. 34E.
Use: IRRIGATION (1.920 CFS).
Date Filed: 6/28/1985.
In: T03S, R34E, S04, NENE, NWNE, SWNE, SENE.
96.0 ACRES TOTAL

35-08614

WILLIAMS, Jennie L.
WILLIAMS, Est of C.L.
Rt 5, Box 17
Blackfoot, Idaho 83221
Source: GROUNDWATER
Diversion Pt: SWNE, Sec. 8, T. 02S, R. 34E
Use: IRRIGATION (4.000 CFS)
Date Filed: 6/28/1985.
In: T02S, R34E, S08, NENE, NWNE, SWNE, SENE, NESE, NWSE, SWSE, SESE.
202.0 ACRES TOTAL

35-08621

ENID R WILLIAMS LTD. PARTNERSHIP
2nd S 900 W.
Blackfoot, Id 83221
Source: GROUNDWATER
Diversion Pt: SWSE, Sec. 23, T. 02S, R. 33E
Use: IRRIGATION (3.990 CFS)
Date Filed: 6/28/1985
In: T02S, R33E, S23, NESW, SESW, NESE, NWSE, SWSE, SESE
200.0 ACRES TOTAL.

35-08616

STANDER, Gaylen
37 S 1000 W.
Blackfoot, Id. 83221
Source: GROUNDWATER
Diversion Pt: NWSW, Sec. 3, T. 03S, R. 34E.
Use: IRRIGATION (2 220 CFS)
Date Filed: 7/25/1989.
In: T03S, R34E, S03, NESW, NWSW, NWSE, S04, SWNE.
111.0 ACRES TOTAL.

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code, and/or the new public interest criteria of Sec 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho, 83402, on or before OCTOBER 23, 1989

R. KEITH HIGGINSON
Director

(548)
Pub.: 10/5, 12

RECEIVED

OCT 19 1989

Department of Water Resources
Eastern District Office

AFFIDAVIT of PUBLICATION

County of Bingham

State of Idaho

I, Ted Townsend do
solemnly

swear that I am the Publisher of The Morning News which is a daily newspaper 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 1933, approved March 11, 1933, and duly designated, pursuant to law, a particular day of the week as the day on which legal notices 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 attached hereto and which is a part of this affidavit and part of the proof of publication was published in said issue or said

newspaper Two consecutive weeks

the first publication having been made on the

5th day of October, 1989;

and the last publication having been made on the 12th day of October, 1989 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 published in the newspaper and not in a supplement.

On this 13th day of October, in the year 1989 before me a Notary Public of said State, personally appeared

known or identified to me to be the person whose name is subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same

Notary Public for the State of Idaho,
Residing at Blackfoot, Idaho
My commission expires
November 10, 1994

Affidavit Processing Fee. \$5.00

DEC 13 1989

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

Idaho Falls, Idaho 83402
(208) 525-7161

SEPTEMBER 22, 1989

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 OCTOBER 23, 1989.

Yours truly,

Rita Bodell
Secretary

Encl.

NOTED

DEC 13 1989

NOTICE OF APPLICATION FOR WATER RIGHT

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

Noted

DEC 13 1989

35-08592

UNIVERSITY OF IDAHO RESEARCH & EXTENSION
BOX AA
ABERDEEN, ID 83210

Source: GROUNDWATER

Diversion Pt: SWSW Sec 27 T 05S R 31E

Use: IRRIGATION (1.000 CFS)

Date Filed: 6/25/1985

In: T05S R31E S27 SWNW SENW NESW

50.0 ACRES TOTAL

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DEC 13 1989

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before OCTOBER 23, 1989.

R. Keith Higginson, Director

Published 10/05/1989 & 10/12/1989

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DEC 13 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
FIELD REPORT

35-7643
Permit No.

CONTACT WITH PERMIT HOLDER

	DATE	INITIALS	REMARKS
☐ Appointment letter mailed:	_____	_____	_____
☐ Telephone call made: (List Telephone No. used)	_____	_____	_____
☐ Appointment scheduled for: (Date, time, location)	_____	_____	_____

EXAMINATION

Date 6-18-82 Accompanied by Gaylen McMaster Total Q measured 2.03 cfs
 If source is surface water, estimate total flow of source _____
 Methods of measurement Rockwell meter #10811 Meets Permit requirements? Yes

Measurement calculations: $\text{by meter} = 1000 \text{ gallons} / 66 \text{ secs}$ $\text{or } 409 \text{ gpm} = 2.03 \text{ cfs}$ $90 \text{ acres} @ 0.02 \text{ cfs} = 1.80 \text{ cfs}$	$V = 90 \text{ acres} \times 3.5 \text{ afa}$ $= 315 \text{ afa}$ $V = 1.80 \text{ cfs} \times 1.9835 \times 213 \text{ days}$ $= 760.4$
--	---

WELL/DIVERSION* NO.	HP	MOTOR MAKE	MOTOR SERIAL NO.	PUMP MAKE	PUMP SERIAL NO.	MEASURING DEVICE TYPE	CONDITION OF MEAS DEV	REMARKS
	50	US Motors	R-6232-02 076	Berkeley	7701047	Meter		

System Description well/pump to 7 1/2 sprinkler lines with 238 sprinklers with 1/8" nozzles.

*Code with map on reverse side. Disregard code if only one

RECOMMENDED AMOUNTS

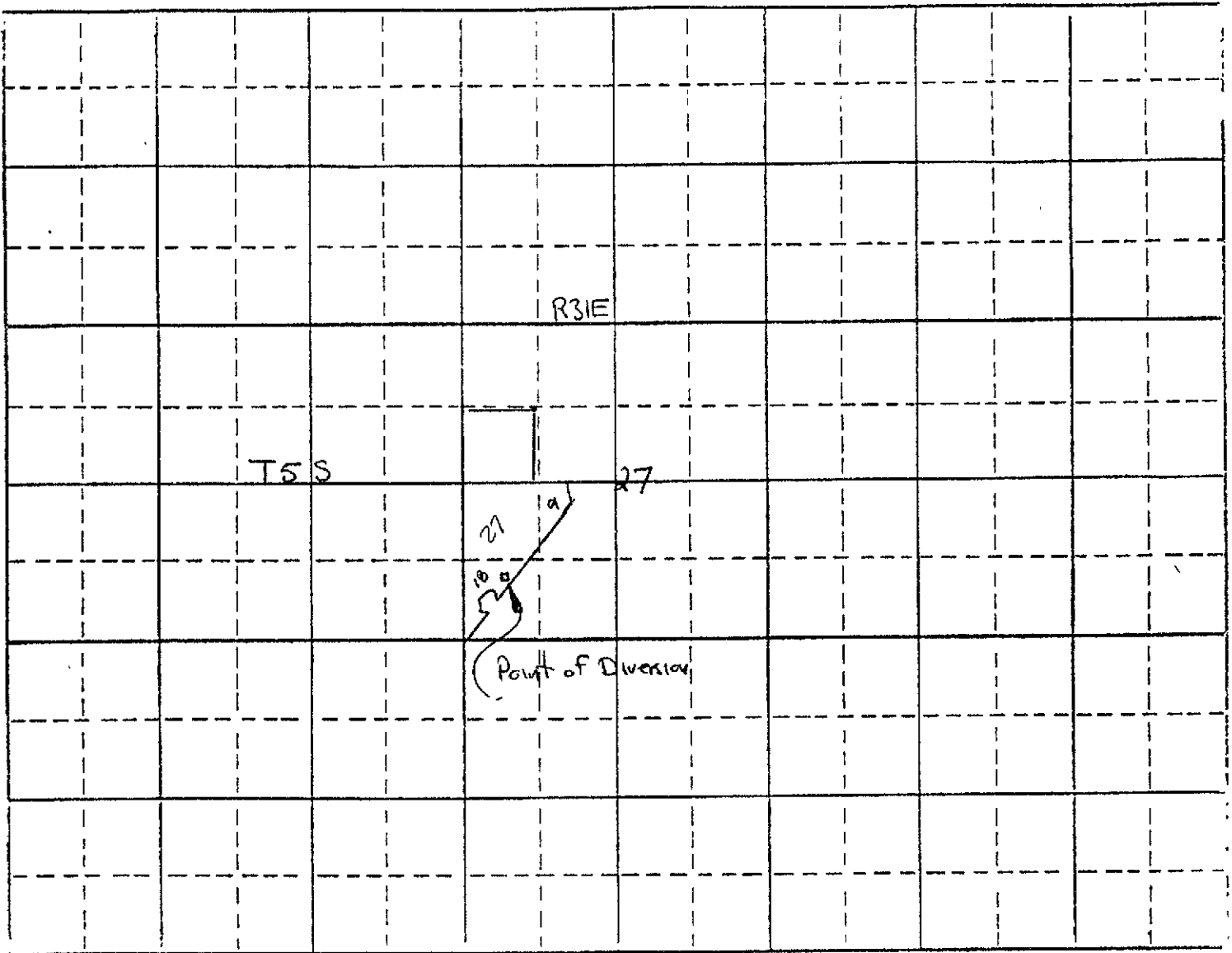
	Irrigation requirement = <u>3.5</u>	AFA/Acre	
USE	Q (cfs)	V (afa)	FROM TO
<u>Irrigation</u>	<u>1.80</u>	<u>315</u>	<u>4-1 10-31</u>
Total	<u>1.80</u>	<u>315</u>	

Remarks _____

MICROFILMED

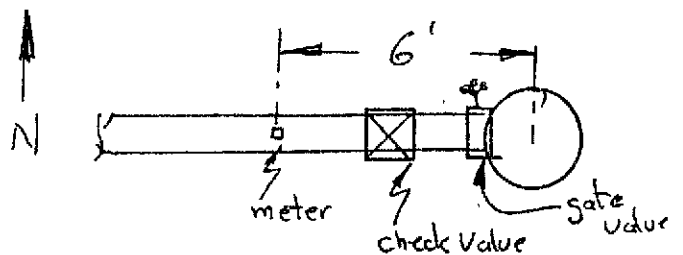
DEC 13 1989

MAP (Attach Aerial Photo)



SCHEMATIC DIAGRAM OF SYSTEM

(Include distance from pump to measuring device, if applicable.)



Point(s) of diversion: SW 1/4 SW 1/4 Section 27 T5S R31E

Place(s) of Use

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	
5S	31E	27							27		9	36	18						90

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DEC 13 1989

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

Signature

Al W. Jones
Keith C. Wilson

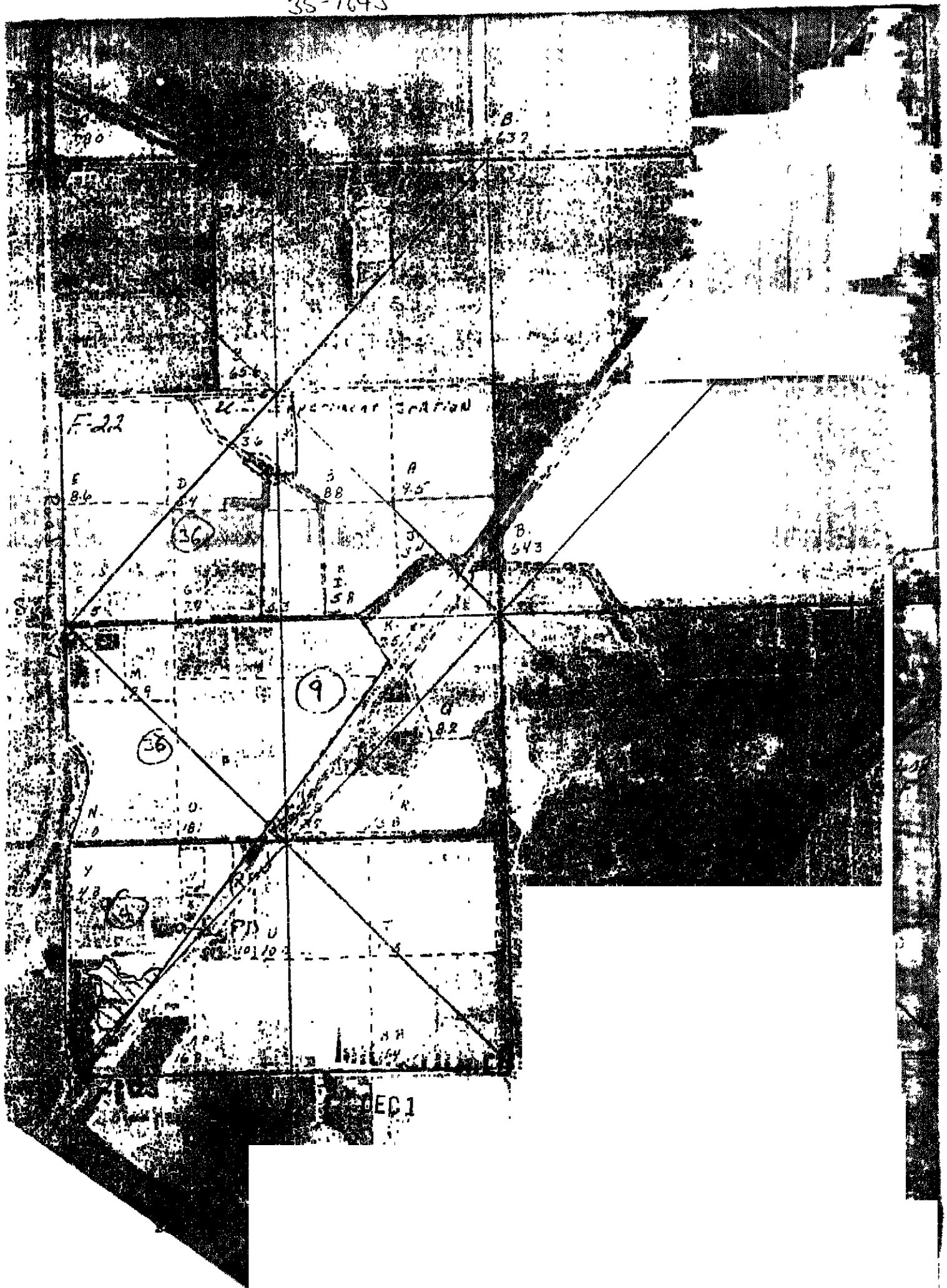
Date 3-4-83

Date 21 Nov 1983

Date

Depot
Nov 8
11
11

35-7643



35-8592_

UNIVERSITY OF IDAHO RESEARCH & EXT. CTR.

BOX AA, ABERDEEN, ID 83210

Source: GROUNDWATER

Date Filed: 06/25/1985

Diversion Pt: SWSW Sec 27 T 05S R 31E

Use: IRRIGATION (1.00 CFS)

In: SWNW SENW NESW Sec 27 T 05S R 31E FOR 50 ACRES

MICROFILMED

DEC 13 1989