

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: **A63-10788**
Date Received: 3/19/1990
Receipt No: C015745
Received By: _____

**COPY FOR
YOUR FILES**

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

**COPY FOR
YOUR FILES**

1. Name: ROGERS BROTHERS SEED CO 208-466-0319
Address: PO BOX 4727
BOISE ID 83711-0727

2. Date of Priority: JAN 2, 1990

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
04N	02W	24	SW	SE			CANYON

5. Description of diverting works:
WELL AND PUMP; WELL IS 162 FT DEEP

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
DOMESTIC	01/01	12/31	0.670		

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

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
DOMESTIC, RESEARCH CENTER AND GREENHOUSE

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
04N	02W	24	SW	SE		DOMEST	

11. Place of use in counties: CANYON

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

13. Other Water Rights Used:

14. Remarks:

15. Basis of Claim: PERMIT

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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

Identification No. A63-10788

Date Received 3/19/90

Receipt Number C015745

NOTICE OF CLAIM
TO A
WATER RIGHT

ACQUIRED UNDER STATE LAW

For Domestic and/or Stockwater Purposes

Where Daily Use is less than 13,000 gallons per day.

RECEIVED
MAR 19 1990

Department of Water Resources

Filing Fee \$25

Please type or print clearly

1. Name of Claimant (s) Rogers Brothers Seed Company Phone (208) 322-7272

Mailing Address P.O. Box 4727, Boise, Idaho Zip 83711-4727

2. Date of Priority (Only one per claim) January 2, 1990 Month/Day/Year

3. Source of water supply (Check one) (X) Groundwater or Other () (a) N/A
which is tributary to (b) N/A Name or kind of source

4. Location of point of diversion is: Township 4N Range 2W
Section 24 , SW 1/4 of SE 1/4 of 1/4, Govt. Lot , BM.,
County of Canyon

Additional points of diversion if any: None

5. Description of existing diversion works (Ditches, Wells, Pumps, Pipelines, Headgate Etc.), including the dates of any changes or enlargements in use, the dimensions of the diversion works as constructed and as enlarged and the depth of each well. well and pump; well is 162 feet deep

6. Water is claimed for the following: (limited to Domestic and/or Stockwater only. See Instructions.)

For Domestic purposes from Jan 1 to Dec 31 amount .67 (cfs)
(Both dates are inclusive)

For purposes from to amount

7. Total quantity claimed .67 (cfs)

8. Total consumptive use claimed is de minimus

9. Non-irrigation uses. Describe fully. (Domestic: give number of households served if single ownership; Stockwater: Type and Number of livestock) Domestic - Research Center building and greenhouse

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10. Place of use is: Township: 4N Range 2W

Section 24, SW 1/4 of SE 1/4, Govt. Lot _____, B.M.,

for (Circle One) Domestic Stock Domestic and Stock

Additional places of use, if any _____

11. In which county (ies) are lands listed above as place of use located? Canyon

12. Do you own the property listed above as place of use? Yes X No _____

If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above.

(X) None or _____

14. Remarks: _____

15. Basis of Claim (Circle One) Beneficial Use Posted Notice License Permit Decree

Court _____ Decree Date _____ Plaintiff vs Defendant _____

If applicable provide IDWR Water Right Number N/A

16. Signature (s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understood 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 0

For Individuals: I do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant (s) _____ Date _____

_____ Date _____

For Organizations: I do solemnly swear or affirm that I am Vice President - Administration

of Rogers Brothers Seed Company, that I have signed the foregoing

Organization

document in the space below as Vice President - Administration of Rogers Brothers Seed Company

Title

Organization

and that the statements contained in the foregoing document are true and correct.

Signature of Authorized Agent Alden E Hill Date MARCH 14, 1990

Title and Organization Vice President - Administration, Rogers Brothers Seed Company

State of Idaho/or _____)

) SS.

County of Ada)

NOTARIZATION REQUIRED FOR EACH CLAIM

Subscribed and sworn (or affirmed) before me this 14th day of March 19 90

SEAL

Notary Public Mrs. Sharon L. Plaster

Residing at Boise, Idaho

My Commission Expires 5-27-91

Last Name Rogers Brothers Seed Company Ident No. _____

Copies: White-State, Yellow-Claimant

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JUL 26 1994



State of Idaho

DEPARTMENT OF WATER RESOURCES

2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

WESTERN REGION

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Interim Director

March 30, 2007

ROGERS BROS SEED CO
PO BOX 959
MINNEAPOLIS MN 55440

Re: Snake River Basin Adjudication (SRBA)
Water Right No(s). 63-10584, 63-10788
Change of Address

Dear Water Right Holder:

IDWR has been notified the address presently in our records is incorrect. Although we have reached you at the address above we need your written confirmation this is your correct mailing address before we can change our records. Future notices related to your water right(s) can be sent only to the address on your claim(s) or as otherwise changed by you.

Please sign your name at the bottom of this letter and return it to our office. Make corrections to your name and address if necessary before returning this letter. Thank you for your help.

If your mail delivery address changes in any form, please contact us in writing so we can update our records.

If there has been a change in ownership of any of the properties connected with the water right(s) referenced above, please call this office to obtain a form to make this required change to the water right(s) records.

Sincerely,

Lori Harris
Technical Records Specialist 2
Adjudication Section
Western Region

The address is correct as shown above or as otherwise changed.

Signature of water right claimant

Telephone number

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WESTERN REGIONAL OFFICE
2735 AIRPORT WAY
BOISE, IDAHO 83705

ADDRESS SERVICE
REQUESTED

FIRST CLASS



UNITED STATES POSTAGE
02 14 \$01.11
0004389393 FEB 02 20
MAILED FROM ZIP CODE 837

RETURNED TO
SENDER
NOT DELIVERABLE
AS ADDRESSED,
UNABLE TO FORWARD

RECEIVED

FEB 05 2007

WATER RESOURCES
WESTERN REGION

RETURNED TO
SENDER
NOT DELIVERABLE
AS ADDRESSED,
UNABLE TO FORWARD
RANGERS BROS. & CO.
PO BOX 959
BOISE ID 83711-0727

PO Box 959

Minneapolis MN 55440

63-10788

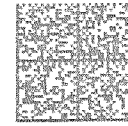
63-10584



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WESTERN REGIONAL OFFICE
2735 AIRPORT WAY
BOISE, IDAHO 83705

ADDRESS SERVICE
REQUESTED

FIRST CLASS



UNITED STATES
02 1A \$ 00
0004310839 OCT 01
MAILED FROM ZIP CODE

RETURN TO
SENDER
NOT DELIVERABLE
AS ADDRESSED,
UNABLE TO FORWARD

ROGERS BROS SEED CO
PO BOX 4727
BOISE ID 83711-4727
NOT DELIVERABLE
AS ADDRESSED,
UNABLE TO FORWARD

RECEIVED

OCT 10 2006

WATER RESOURCES
WESTERN REGION

63-10583

10788

04/06/2006

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

RIGHT NUMBER: 63-10788

NAME AND ADDRESS: ROGERS BROS SEED CO
PO BOX 4727
BOISE ID 83711-0727

SOURCE: GROUND WATER

TRIBUTARY:

QUANTITY: 0.110 CFS
20.000 AFY

PRIORITY DATE: 05/01/1989

POINT OF DIVERSION:

T04N R02W S24 SWSE Within CANYON County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE

PERIOD OF USE

QUANTITY

COMMERCIAL

01/01 12/31

0.110 CFS
20.00 AFY

PLACE OF USE: COMMERCIAL Within CANYON County

T04N R02W S24 SWSE

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

Commercial use is for a research center.

Idaho Department of Water Resources



**T04N, R02W,
SEC 24**

Claim No: 63-10788

Prepared By: Kimberly Brown

Date: April 6, 2006



Place of Use



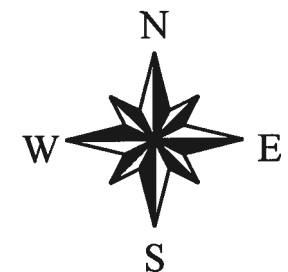
Section Lines



1/4 1/4



Point of Diversion



1987 NAPP

0 0.4 Miles

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Claim Report 63-10788

WATER RIGHT NUMBER: 63-10788 ✓

Owner TypeName and Address

Current Owner

ROGERS BROS SEED CO ✓

~~PO BOX 4727~~

BOISE, ID 83711-0727

(208)322-7272 -4188

P.O. Box 4188

Priority Date: ~~01/02/1990~~

5/01/89

Basis:

~~Permit~~

Status:

Active

License

Source

GROUND WATER ✓

TributaryProperty Address:6338 Hwy. 20-26
NampaBeneficial Use~~DOMESTIC~~

Commercial

From To

1/01 to 12/31 ✓

Diversion Rate

0.11 -0.670 CFS

Annual Volume

20.0 AF

Total Diversion:

-0.670 CFS

20.0 AF

0.11

Location of Point(s) of Diversion

GROUND WATER

SW1/4SE1/4 ✓

Sec. 24, Twp 04N, Rge 02W, B.M. ✓

CANYON County ✓

Place of Use~~DOMESTIC~~

Commercial

- no Govt. lots applicable

Twp Rge Sec

04N 02W 24

NE

NE | NW | SW | SE

NW

NE | NW | SW | SE

SW

NE | NW | SW | SE

SE ✓

NE | NW | SW | SE

X

Totals

Conditions of Approval:ADD - Commercial use is for a research centerRemarks:Comments:Parcel No: a portion of R 3420600000. (39.0 AC)

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM POU REVIEW REPORT
ADJUDICATION CLAIM NUMBER: 63-10788

02/28/2006

1

Right #	Type	Twp	Rge	Sec	QQ	Q	Lot	Purpose of Use	Acres/Total	Name
10583	Claim	04N	02W	24	SW	SE		IRRIGATION	40/40	ROGERS BROS SEED CO
10584	Water Right	04N	02W	24	SW	SE		IRRIGATION	38/38	ROGERS BROS SEED CO
~~10788~~	~~Water Right~~	~~04N~~	~~02W~~	~~24~~	~~SW~~	~~SE~~		~~COMMERCIAL~~		~~ROGERS BROS SEED CO~~
~~10788~~	~~Claim~~	~~04N~~	~~02W~~	~~24~~	~~SW~~	~~SE~~		~~DOMESTIC~~		~~ROGERS BROS SEED CO~~

no overlap w/ 63-10583 or
63-10584 —

separate sources & POU

overlap review

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Claim Report 63-10583

WATER RIGHT NUMBER: 63-10583

Owner Type Name and Address
 Original Owner ROGERS BROS SEED CO
 PO BOX 4727
 BOISE, ID 83711-0727
 (208)322-7272
 Current Owner NEWBILL FARMS INC ✓
 20060 11TH AVE N EXT
 NAMPA, ID 83651

- no overlap
 - separate well # POU

Priority Date: 03/09/1988

Basis: License

Status: Active

SourceTributary

GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	03/15 to 11/15	1.520 CFS	342.00 AF
	<u>Total Diversion:</u>	1.520 CFS	342.00 AF

Location of Point(s) of Diversion

GROUND WATER SW1/4SE1/4 Sec. 24, Twp 04N, Rge 02W, B.M.
 CANYON 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	02W	24																	76.0

Total Acres: 76

Conditions of Approval:

1. R32 This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.5 afa per acre for irrigation of the lands above.

Remarks:Comments:

overlay review -

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Claim Report 63-10584

WATER RIGHT NUMBER: 63-10584

<u>Owner Type</u>	<u>Name and Address</u>
Original Owner	ROGERS BROS SEED CO PO BOX 4727 BOISE, ID 83711-0727 (208)322-7272
Current Owner	NEWBILL FARMS INC 20060 11TH AVE N EXT NAMPA, ID 83651

Priority Date: 03/09/1988

Basis: License

Status: Active

Source

GROUND WATER

TributaryBeneficial Use

IRRIGATION

From To

03/15 to 11/15

Diversion Rate

0.760 CFS

Annual Volume

171.00 AF

Total Diversion:

0.760 CFS

171.00 AF

Location of Point(s) of Diversion

GROUND WATER

SW1/4SE1/4

Sec. 24, Twp 04N, Rge 02W, B.M.

CANYON 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	02W	24																	38.0
																			38.0

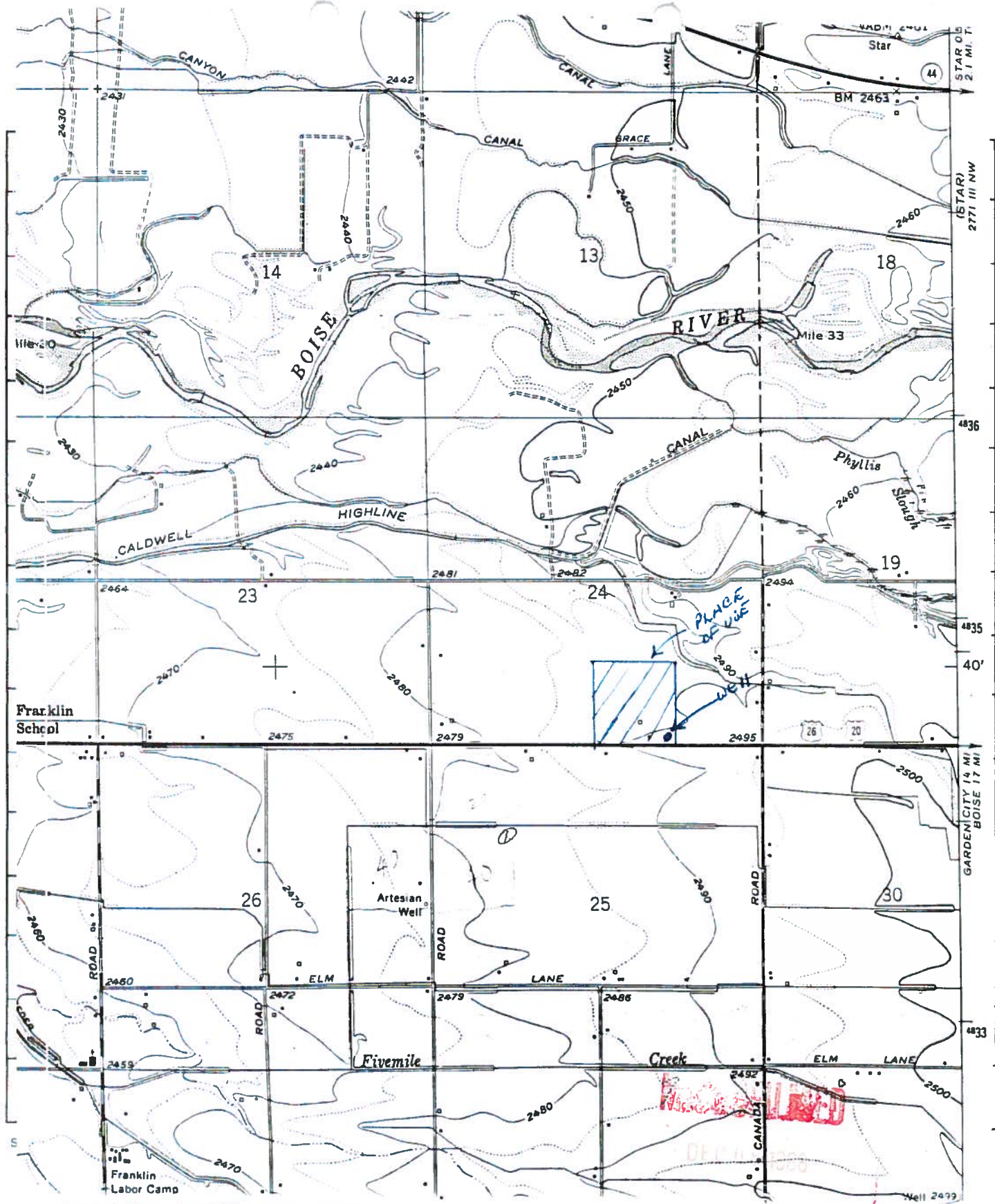
Total Acres: 38

Conditions of Approval:

1. R32 This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.5 afa per acre for irrigation of the lands above.

Remarks:Comments:

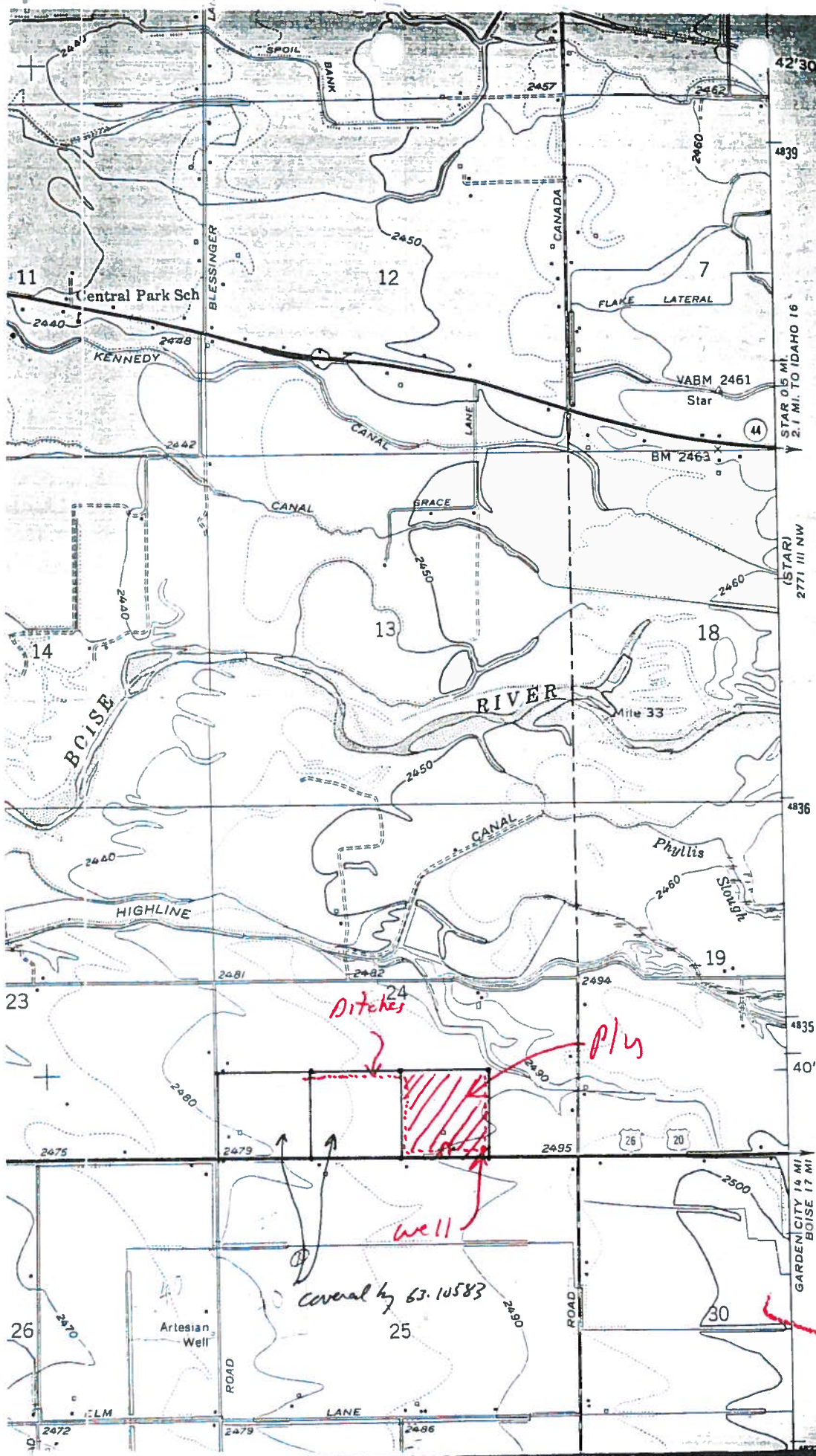
no overlay w/ 63-10788;
separate well/source &
separate POU



the State of Idaho as herein set forth.

Leon A. Hansen
(Applicant)

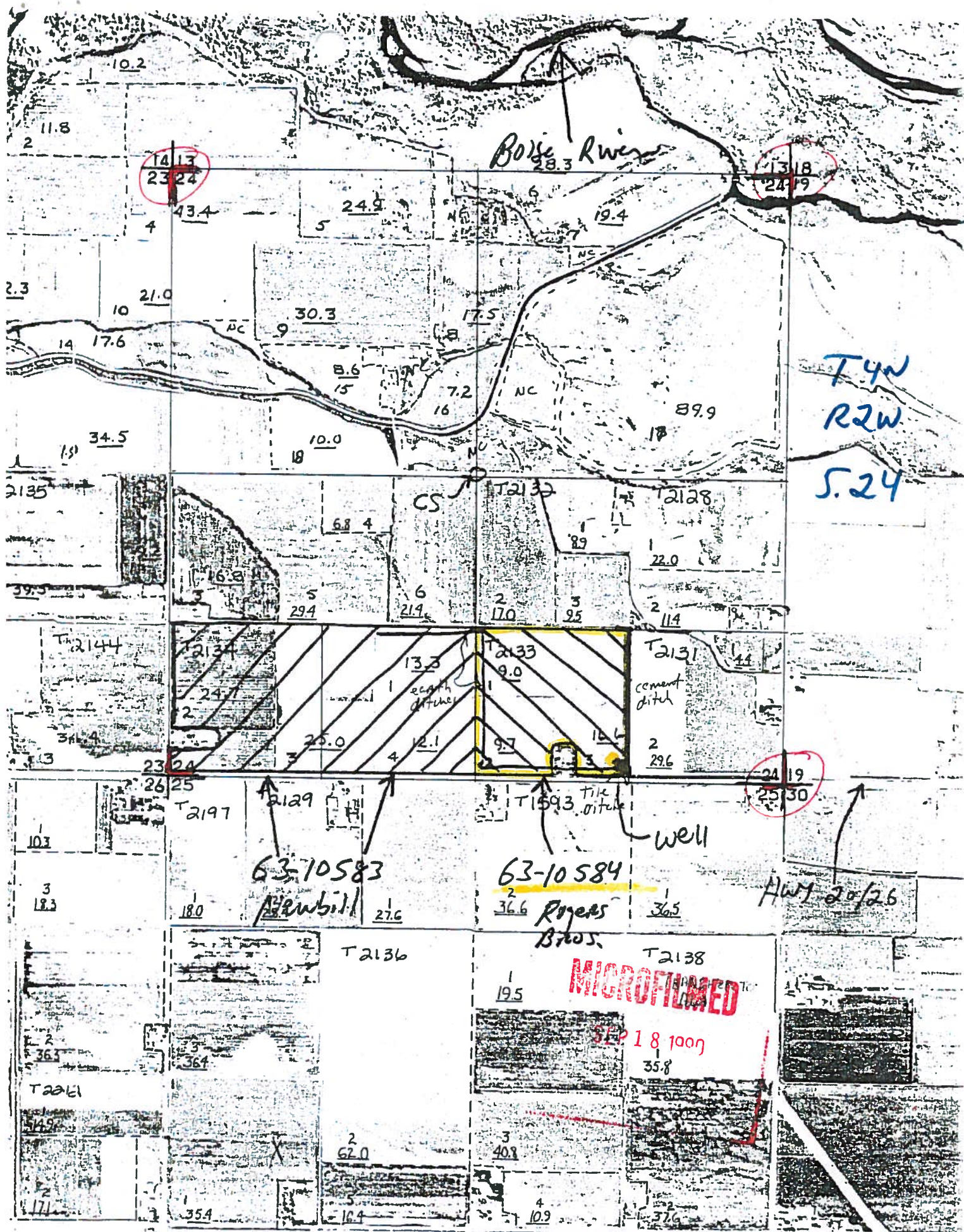
Vice President - Research



63-10584

4w
2w
524

MICROFILMED
SEP 18 1990



Receipt Details for ID C015745

Status	Adjustment Type	Version
	Water Right Receipt	1

General Information:

Date Received	Date Deposited	Region	Total Amount	Payment Type
3/20/1990 10:36:04 AM	3/20/1990	State	\$140.00	Check
Payer		ROGERS BROTHERS SEED CO.		

Account Information:

Check #	Account #	Credit Card Name	Authorization #
093346			
Card Expiration Date	Credit Card Transaction #		

Comment ADJUDICATION FEES

Fee Detail:

Amount	Description	PCA	Fund	Fund Detail	Subsidiary	Object
\$140.00	ADJUDICATION FEES	410162	9337	0	0	6490

Refund(s):

Amount	Payee	Date	Document Number
--------	-------	------	-----------------

Water Right Information:

Basin Number	Sequence Number	Split Suffix	Amount	Type
63	10583		\$25.00	Claim
63	10788		\$25.00	Claim
63	29381		\$90.00	Claim

Print Report

Receipt # C015745

CLAIM NO. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
CLAIM VERIFICATION EXAM SHEET

(use in place of the CVR for small Domestic/Stock exams)

1. ☒ No Change NAME
NEW OWNER: _____
☐ No Change ADDRESS
☐ NEW ADDRESS: _____
2. ☒ No Change - DATE OF PRIORITY: Completed - No Field Verification Needed.
☐ Incomplete - Claim shows no priority date, claimant should be asked during the exam when was water first used.
Priority date, per claimant, is _____
(if the priority date, based on your exam, seems questionable, explain in remarks.)
3. ☒ No Change - SOURCE
☐ Source is different than that claimed:
Source found: _____
4. ☒ No Change - POINT OF DIVERSION
☐ Point of diversion is different than the claim
New P/D: Twp. _____, Rge. _____, Sec. _____, _____ 1/4 _____ 1/4 _____ 1/4
5. ☒ No Change - DESCRIPTION OF DIVERTING WORKS
☐ Incomplete desc., complete items missing, IF KNOWN.
☐ Additional comments in remarks.
HP of pump _____ Pump Ser. # _____ Pumping water level _____
Well depth _____ Motor Ser. # _____ Static water level _____
Casing size _____ Method of irr. _____
6. ☐ No Change - WATER USES
☒ Different uses, (list uses found).
Use Commercial From 1-1 To 12-31 Amount .13 cfs 19.4 af
Use _____ From _____ To _____ Amount _____ cfs _____ af
7. ☐ No Change - TOTAL VOLUME
☐ Incomplete on claim, the total is, -- -- _____ cfs _____ af
☒ Change found, the new total is, -- -- -- .13 cfs 19.4 af
8. N/A
9. ☐ No Change - NON-IRRIGATION USES: Completed on claim
☒ Incomplete on claim - Exam found:
Domestic - No. of homes _____ Stockwater - No. of head _____
Other: Commercial use

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JUL 26 1994

10. ☒ No Change - PLACE OF USE: (If changed, list below.)
Use Twp. Rge. Sec. 1/4, 1/4,

Remarks: (Comments pertinent to field examination)

Permit # 03-10788
See attached field exam documents for
03-10788 completed 9-12-91

ATTACHMENTS:

Attached to
This Form.

Attachments are
in Permit File.

PHOTOS (optional) ☐
MAP ☐
SYSTEM DIAGRAM ☐

☐
☐
☐

☒ Changes found during exam or additional information in the permit file, see permit file.

DATE EXAM CONDUCTED: 9-12-91

FIELD EXAMINER:

Signature

Mel Schutte

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

1. Owner: Roy's Bros. Seed Co. Permit No. 63-10727
Current Address: PO Box 4727, Boise, ID. Phone No. 462-0319
83711
2. Accompanied by: Zed Schreffler EXAM. DATE: 9-12-91
Address: 6388 Hwy 20-26, Nampa, AL. Phone No. same
Relationship to Permit Holder: Services Manager
3. Source: groundwater tributary to none

B. OVERLAP REVIEW

1. Other water rights with same place of use: 63-10584
☒ Copies Attached
2. Other water rights with same point of diversion: 63-10583, 63-10584
☒ 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

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Scale: 1" = see attached

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).

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
<i>None</i>						

2. Measurements:

None - No measurement taken due to flow regulated by flow regulator at 50 gpm.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

58 gpm per pump curve = .13 cfs.

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

NA

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

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

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

2. Volume Calculations for Other Uses:

See attached

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System Description (continued)

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

See attached

☐ 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
	<i>Unknown</i>	<i>5</i>	<i>Unknown</i>	<i>Ho-Rite</i>	<i>2" Series 40</i>

*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
			<i>SW</i>	<i>SE</i>	<i>24</i>	<i>4N</i>	<i>2W</i>	<i>Canyon</i>	<i>Air photo quad map</i>

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	
<i>4N</i>	<i>2W</i>	<i>24</i>															<i>C</i>		

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Do not use this space

H. REMARKS AND OVERLAP REVIEW ANALYSIS

63-10583 & 63-10584 no license for irrigation of the test fields adjacent to the P14 for this permit. They are from a separate groundwater source and have no effect on this permit.

Recommended diversion rate of .13 cfs is based on pump curve. An actual measurement would ~~have~~ be limited to 50 gpm or .11 cfs because the system contains the flow regulator.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Commercial	1-1	12-31	.13 cfs	19.4 afa
Totals:			.13 cfs	19.4 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 Melvin T. Schulte

Signature Melvin T. Schulte

Certification Date _____

Field Report Preparation Date 2-19-92

CONSULTANT SEAL

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

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JUL 26 1994

Department of Water Resources

WELL INSPECTION FORM

If well is associated with water right, provide WR# 63-10788

Otherwise provide legal description and a sketch map and/or address so that the well can be located easily.

1. Legal Description: TWP 4N, Rge 2W, Sec. 24, SW 1/4 SE 1/4 or Lot _____.

2. Owner: McDonald

Address Hwy 20-26 , City Wenger, St MT.

3. Casing $\geq$ 12 inches above ground: Yes ☒ No ☐

4. Access Port: Yes ☐ No ☒ Static Water Level: 5'

Pressure Gauge: Yes ☒ No ☐ Casing Diameter: 2"

Flowing: Yes ☐ No ☒ Temperature: _____

5. Are there any obvious construction problems that may be a source for contamination or waste of water: Yes ☐ No ☒

If answer to Item 5 is Yes, describe in remarks and attach photo.

Remarks: _____

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State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

WHITE COPY TO THE DEPARTMENT

JUL 26 1994

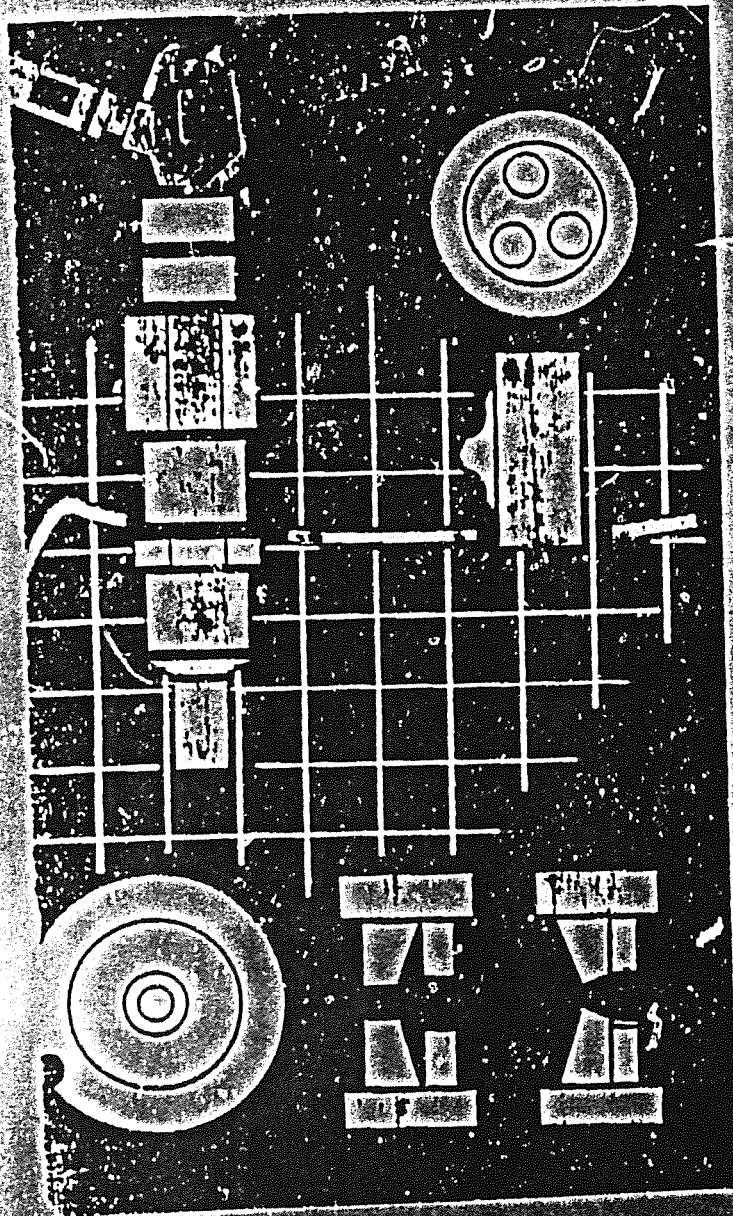
POOR ORIGINAL

Product Information

EATON

RECEIVED OCT 12 1982

Dole Flow Regulators



For
Energy
Conservation
and
Water
Management

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JUL 26 1994

Pub. #
ENERGY CONTROLS
E 15 VALVES

Dole® Flow Regulators for Industrial Applications

Cooling Tower Bleeds • Tankless Heaters • Irrigation Sprinklers • Condensers • Cooling Jackets
Pumps • Water Softeners • Water Filters, etc.

MODEL	FLOW G.P.M.	INLET CONN. Metal Plated	OUTLET CONN.
4G	.125	1/4" F NPT	1/4" F NPT
4G	.25	1/4" F NPT	1/4" F NPT
4G	.50	1/4" F NPT	1/4" F NPT
4G	.75	1/4" F NPT	1/4" F NPT
1G	1.00	1/4" F NPT	1/4" F NPT

14G	1.5	1/4" F NPT	1/4" F NPT
2G	2.0	1/4" F NPT	1/4" F NPT
21/2G	2.5	1/4" F NPT	1/4" F NPT
3G	3.0	1/4" F NPT	1/4" F NPT
31/2G	3.5	1/4" F NPT	1/4" F NPT
4G	4.0	1/4" F NPT	1/4" F NPT

5G	5.0	1/4" F NPT	1/4" F NPT
6G	6.0	1/4" F NPT	1/4" F NPT
7G	7.0	1/4" F NPT	1/4" F NPT
8G	8.0	1/4" F NPT	1/4" F NPT
9G	9.0	1/4" F NPT	1/4" F NPT
10G	10.0	1/4" F NPT	1/4" F NPT

MODEL	FLOW G.P.M.	INLET CONN. Metal Plated	OUTLET CONN.
20GX	2.0	1" F NPT	1" F NPT
21/2GX	2.5	1" F NPT	1" F NPT
3GX	3.0	1" F NPT	1" F NPT
31/2GX	3.5	1" F NPT	1" F NPT
4GX	4.0	1" F NPT	1" F NPT
41/2GX	4.5	1" F NPT	1" F NPT
5GX	5.0	1" F NPT	1" F NPT
6GX	6.0	1" F NPT	1" F NPT
7GX	7.0	1" F NPT	1" F NPT
8GX	8.0	1" F NPT	1" F NPT
9GX	9.0	1" F NPT	1" F NPT
10GX	10.0	1" F NPT	1" F NPT
12GX	12.0	1" F NPT	1" F NPT
15GX	15.0	1" F NPT	1" F NPT
20GX	20.0	1" F NPT	1" F NPT
25GX	25.0	1" F NPT	1" F NPT
30GX	30.0	1" F NPT	1" F NPT

MODEL	FLOW G.P.M.	INLET CONN. Zinc Plated	OUTLET CONN.
35GH	35.0	2 1/2" M NPT	2 1/2" M NPT
40GH	40.0	2 1/2" M NPT	2 1/2" M NPT
45GH	45.0	2 1/2" M NPT	2 1/2" M NPT
50GH	50.0	2 1/2" M NPT	2 1/2" M NPT
55GH	55.0	2 1/2" M NPT	2 1/2" M NPT
60GH	60.0	2 1/2" M NPT	2 1/2" M NPT
70GH	70.0	2 1/2" M NPT	2 1/2" M NPT
80GH	80.0	2 1/2" M NPT	2 1/2" M NPT
90GH	90.0	2 1/2" M NPT	2 1/2" M NPT

NOTE: We do not recommend using the "G" series flow regulators in conjunction with plumbing fixtures.

*Use of strainer ahead of the 1/4 G Flow Regulator is recommended.

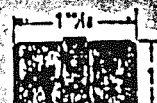
Physical Dimensions

Basic "G" Series

(see above chart for data)



1/4 G-1/4 G
3 oz. each



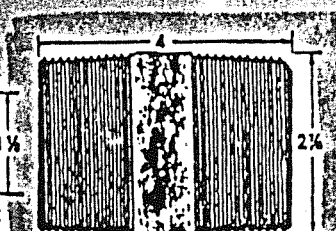
1 1/2 G-2 G-2 1/2 G-3 G-3 1/2 G-4 G
3 1/2 oz. each



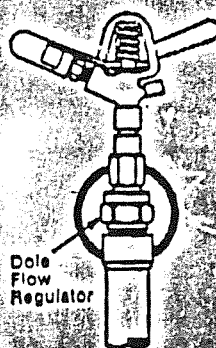
5 G-6 G-7 G
7 1/2 oz. each



20 G-2 1/2 G-3 G-3 1/2 G-4 G-4 1/2 G-5 G-6 G-7 G-8 G-9 G-10 G-12 G-15 G-20 G-25 G-30 G
12 oz. each



35 GH-40 GH-45 GH-50 GH-55 GH
60 GH-70 GH-80 GH-90 GH
3 lbs. each

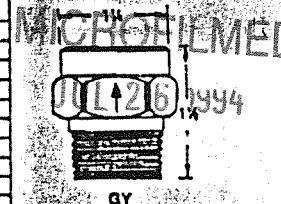


Dole
Flow
Regulator

GY Series Flow Regulators For Irrigation

Brass Model	Flow Rate G.P.M.	Inlet Connection	Outlet Connection
2GY	2.0	1/4" M NPT	1/4" F NPT
2 1/2 GY	2.5	1/4" M NPT	1/4" F NPT
3GY	3.0	1/4" M NPT	1/4" F NPT
3 1/2 GY	3.5	1/4" M NPT	1/4" F NPT
4GY	4.0	1/4" M NPT	1/4" F NPT
5GY	5.0	1/4" M NPT	1/4" F NPT
6GY	6.0	1/4" M NPT	1/4" F NPT
7GY	7.0	1/4" M NPT	1/4" F NPT
8GY	8.0	1/4" M NPT	1/4" F NPT
9GY	9.0	1/4" M NPT	1/4" F NPT
10GY	10.0	1/4" M NPT	1/4" F NPT

All Brass approximate net shipping weight per each in uniform brass. Also available in a tough nylon version of the GY series at 1 1/2 oz. each. Information supplied upon request.

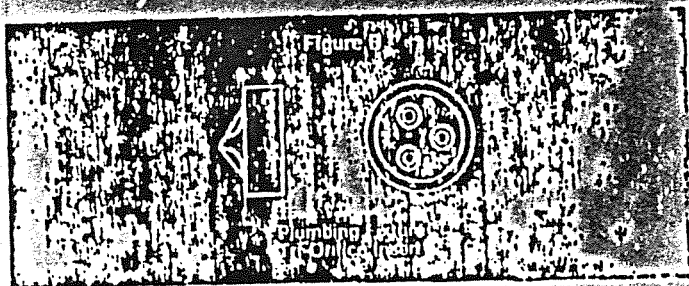
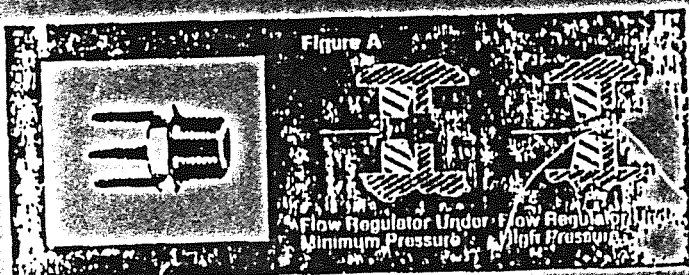


GY

EATON Control Systems

Eaton Corporation
Control Systems
Energy Controls
191 East North Ave.
Carol Stream, Illinois 60187

Dole® FLOW REGULATORS FOR ENERGY CONSERVATION AND WATER MANAGEMENT



How Dole Flow Regulators Work

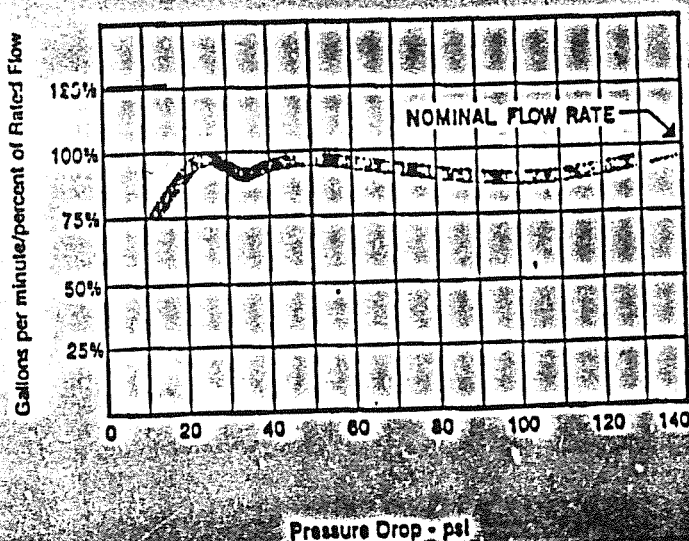
The Dole Flow Regulator is a simple, self-cleaning device designed to deliver a constant volume of water from any outlet whether the pressure drop is 20 psi or as high as 125 psi. The controlling mechanism consists of a flexible orifice that varies its area inversely with the pressure so that a constant flow rate is maintained. Figure A illustrates how a single orifice, for simplicity of explanation, changes shape to maintain a constant flow rate as the inlet pressure increases. As with any small orifice or restriction in a plumbing system, an audible sound may develop, depending on system design. Dole Tri-Orifice Inserts are used wherever possible to minimize this phenomenon.

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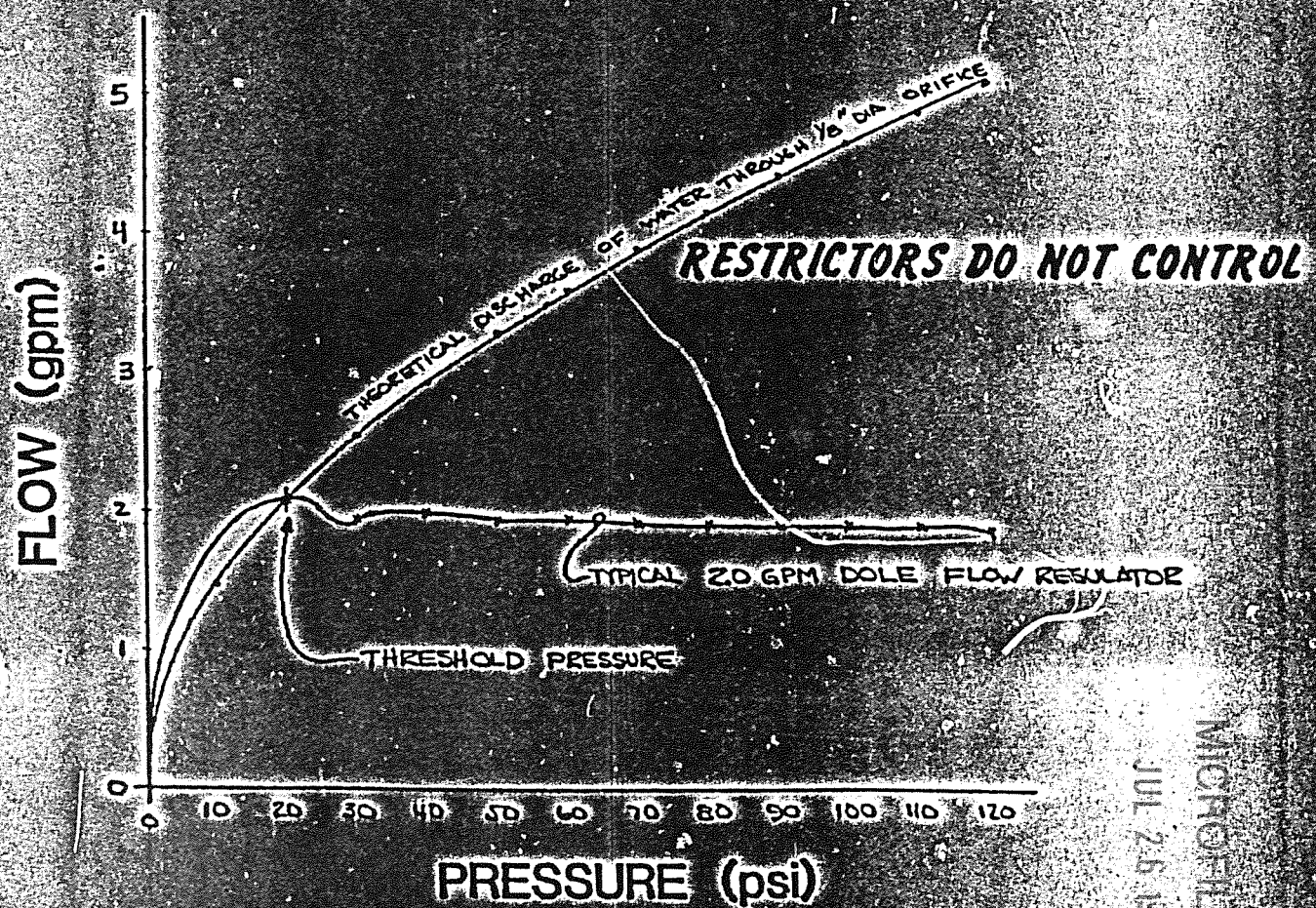
Control Accuracy

Until the inlet pressure reaches the threshold pressure, generally 20 psi, the flexible insert remains as a fixed orifice. After the threshold pressure is reached, the pressure drop will be whatever is necessary to absorb the energy not required to overcome the system resistance and to sustain a rated flow. The curve shown is typical of most regulators regardless of the rated flow. It is possible to approximate the flow of an individual regulator by using the line marked "Nominal Flow Rate" as the desired rate. Flow rates are accurate within plus or minus 15% of the nominal flow rate. Good accuracy is maintained to about 125 psi. The above figures represent pressure drop across the valve. Maximum allowable working temperature is 160°F.



FLOW COMPARISON

DOLE FLOW REGULATOR vs. A FLOW RESTRICTOR



JUL 25 1944

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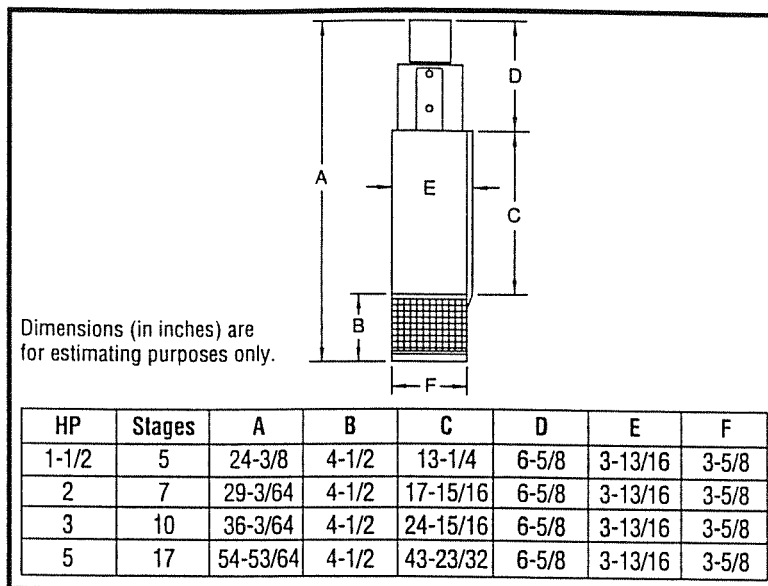
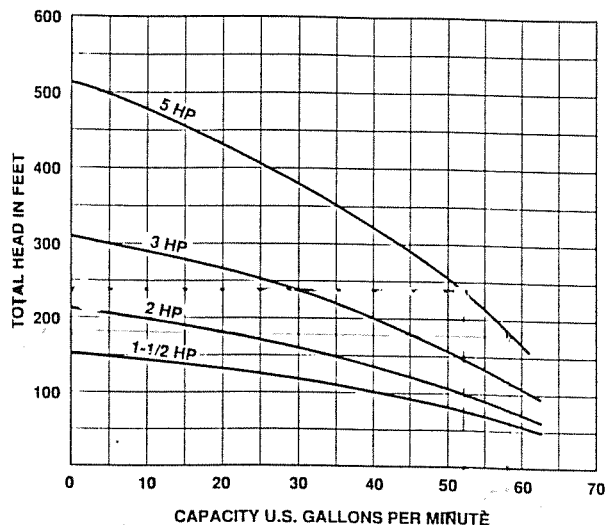
POOR ORIGINAL

4" Submersible Pumps

40 GPM

Design Series

Pump Performance



Pump Performance

HP	Series	PSI	Pumping Depth in Feet																
			20'	40'	60'	80'	100'	125'	150'	175'	200'	250'	300'	350'	400'	450'	500'	550'	600'
			Capacity — Gallons Per Minute																
1-1/2	40	0	—	—	59.3	50.8	40.0	24.0	4.4										
		30	46.6	35.5	22.0	9.1													
		40	33.1	18.8	1.5														
		50	16.0																
		60																	
2	40	0	—	—	63.1	58.5	52.8	46.0	33.1	21.5	8.0								
		30	56.4	50.0	42.4	34.0	24.8	11.5											
		40	48.8	40.8	32.0	22.8	12.4												
		50	40.0	31.1	21.5	10.8													
		60	29.5	20.0	9.1														
3	40	0	—	—	—	—	61.0	56.4	51.4	45.5	38.4	23.0	4.0						
		30	63.0	59.5	60.0	51.8	47.1	40.4	32.8	23.5	16.4								
		40	58.8	55.0	50.8	46.4	40.4	33.1	25.4	17.1	7.1								
		50	54.4	50.4	45.5	39.5	33.0	25.0	17.0	8.0									
		60	49.5	46.8	38.8	32.8	26.8	18.4	9.0										
5	40	0	—	—	—	—	—	—	—	59.1	64.7	50.6	43.7	35.3	26.1	16.0	4.2		
		30	—	—	—	—	59.7	57.0	54.3	51.2	48.1	40.5	32.0	22.3	12.0				
		40	—	—	—	59.2	57.2	54.5	51.7	48.3	44.9	36.9	27.9	17.9	6.9				
		50	—	—	59.0	56.9	54.9	51.8	48.5	45.0	41.0	33.0	33.2	13.0					
		60	60.7	58.7	56.5	54.3	51.9	48.6	45.3	41.3	37.1	21.6	18.1	7.3					

CAUTION: DO NOT use pump at flow rates indicated by the symbol — . To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a CON-AIRE® tank require a 100# relief valve. Pumps installed with a conventional tank require a 75# relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

63-10788 VOLUME CALCULATIONS

SEEDLING IRRIGATION:

1200 growing pots x 2 = plus 1,440 x 4 = 8,160 total
8,160 x 1/4 gpd x 270 days = 550,800gpy

CHEMICAL SPRAYING:

60 acres x 8 sprayings x 20 gal per acre = 9,660

TRUCK WASHING:

15 x 6 per year x 35 gallons = 3,150

STEAM CLEANER:

4 gpm x 1 hr week (60) x 52 = 12,480

OFFICE BUILDING FIXTURES:

*44 x 1 gpm x 60 x 40 hrs per week x 52 = 5,491,200

**4 x 1 gpm x 60 x 40 hrs per week x 18 = 172,800

*Emergency eye washes and showers not included

**Processing room fixtures used 4 months per year

CANNER:

300 gallons to cool each cycle x 1.5 cycles per day
x 6 days x 4 months per year = 43,200

COOLING PADS:

7 gpd x 8 each x 240 days per year = 13,440

GROWTH CHAMBER:

1.5 gpm x 3 min. per hour x 24 hrs day x 300 days = 32,400
= 6,329,130 gpy

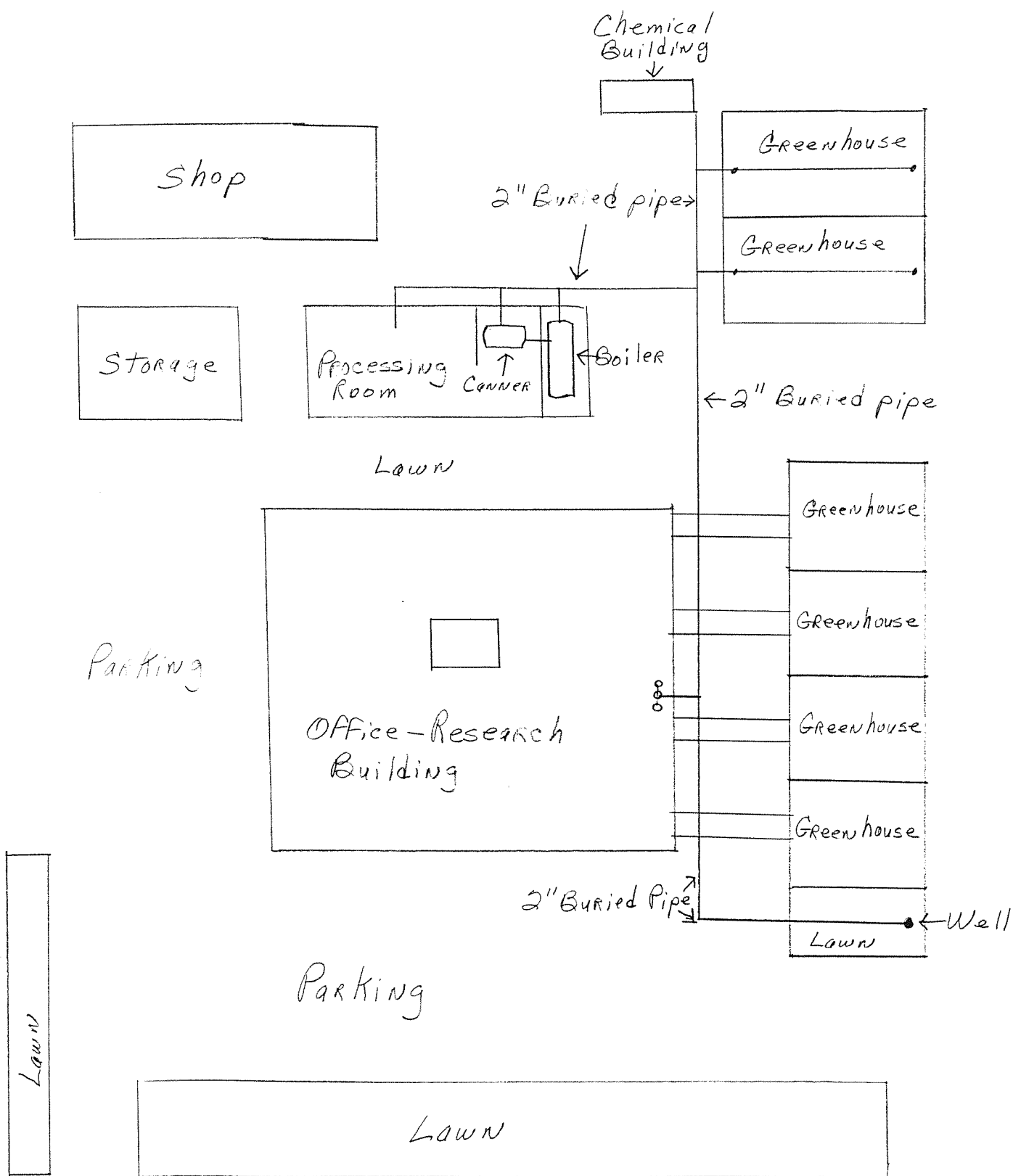
19.4 afa

NOTE: The data used in the volume calculations were obtained from the owner's service manager, Fred Schreffler, or from Exhibit 14 of the Field Examiners Handbook.

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JUL 26 1984

63-10788 System Diagram



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JUL 26 1994

An 8" diameter well with a 5 Hp submersible pump discharges water through a 2" discharge pipe to a 2" buried pipe. The buried pipe delivers water to three pressure tanks located in an office/research building about 100' from the well. The pipe also provides water to four greenhouses adjacent to the office/research building. It then continues North about 200' and branches off several times to service two more greenhouses, a chemical building, shop and a processing building. The complete facility consists of the office/research building, four 50' X 70' greenhouses each containing two 5' X 20' evaporative cooling pads, two 50' X 100' late Spring greenhouses, a shop building, a storage building and a processing building that contains a boiler and a canner.

The well is equiped with a Dole Fow Regulator in the discharge pipe. The regulator is designed to deliver a constant volume of water at various pressures but never in excess of 50 gpm.

The office/research building has an area called a "headhouse" that contains a growth chamber for hybrid seeds used in researching new varieties. The processing building has a boiler in a separate room and a canner in an adjacent room to the boiler. The canner is used to test the canning characteristics of new seed varities.

Irrigation water in the green houses is applied from garden hoses to one and a half gallon growing pots. Water from this system is also used for sprinkling about a quarter acre of lawn and for chemical spraying on about 60 acres of test crops. Irrigation for the test fields is from a separate ground water source. The fixtures and hydrants for the facility consist of the following:

1. Lunch room with one sink	1
2. Head house room with six sinks	6
3. Men's room with five fixtures & one shower	6
4. Women's room with four fixtures & one shower	5
5. Two drinking fountains in hallways	2
6. Two public restrooms with two fixtures each	4
7. Laboratory with seven sinks and a dishwasher	8
8. Four eye washes and three emergency showers	7
9. Eight work rooms with nine sinks total	9
10. Shop restroom with two fixtures & one sink	3
11. A processing room with one sink & three hydrants	4
12. Two Spring greenhouses with two hydrants each	4
13. Four research greenhouses with two hydrants each	8
TOTAL	67

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JUL 26 1994

63-10788

POOR ORIGINAL

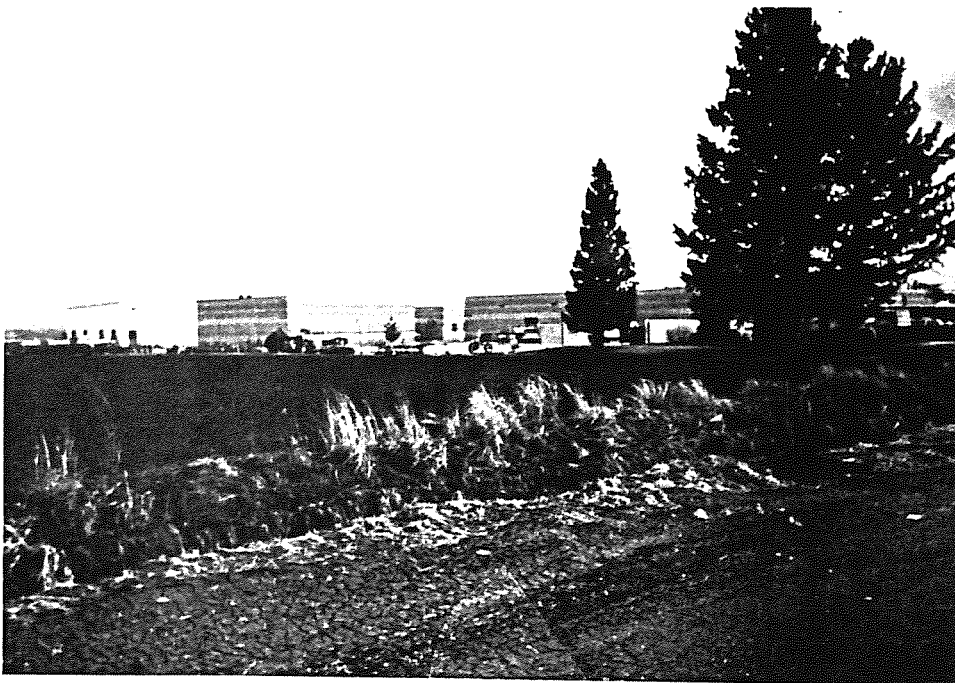
#9.

The storage
building



#10

View of the shop,
storage and
office/research
building looking
Northeast from
July 20/26.

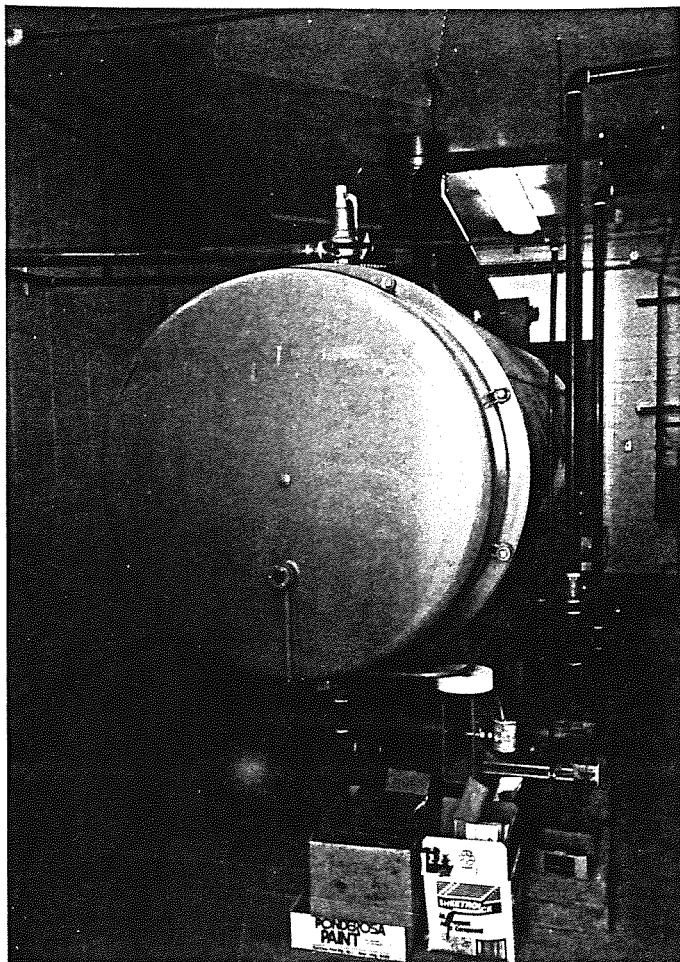


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JUL 26 1994

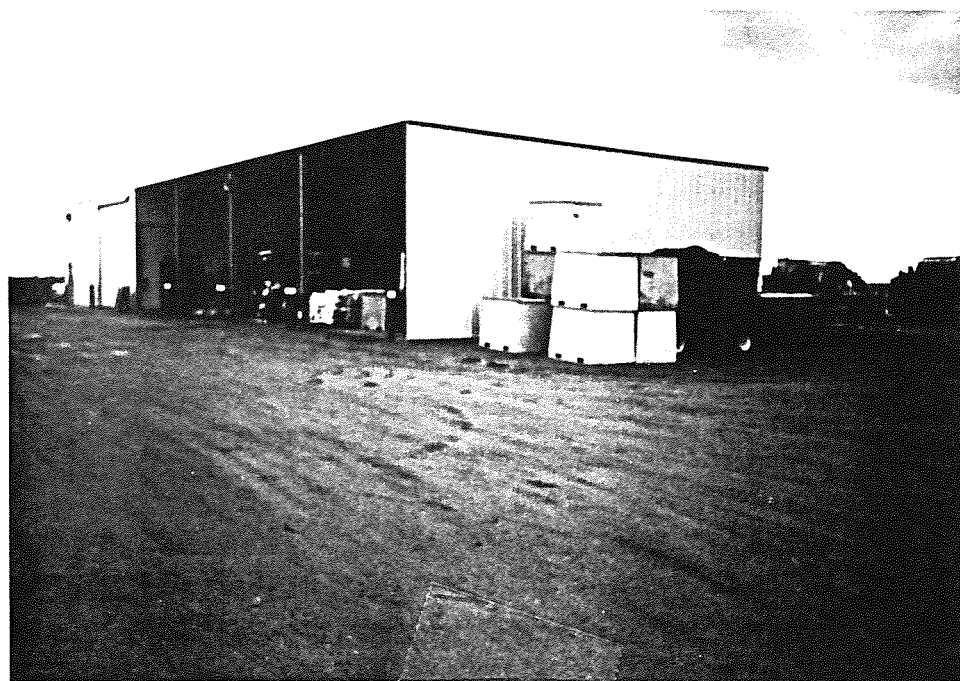
63-10788

POOR ORIGINAL



#7

The boiler that provides
hot water to the canner
that is located in an
adjacent room to the
boiler room.



#8.

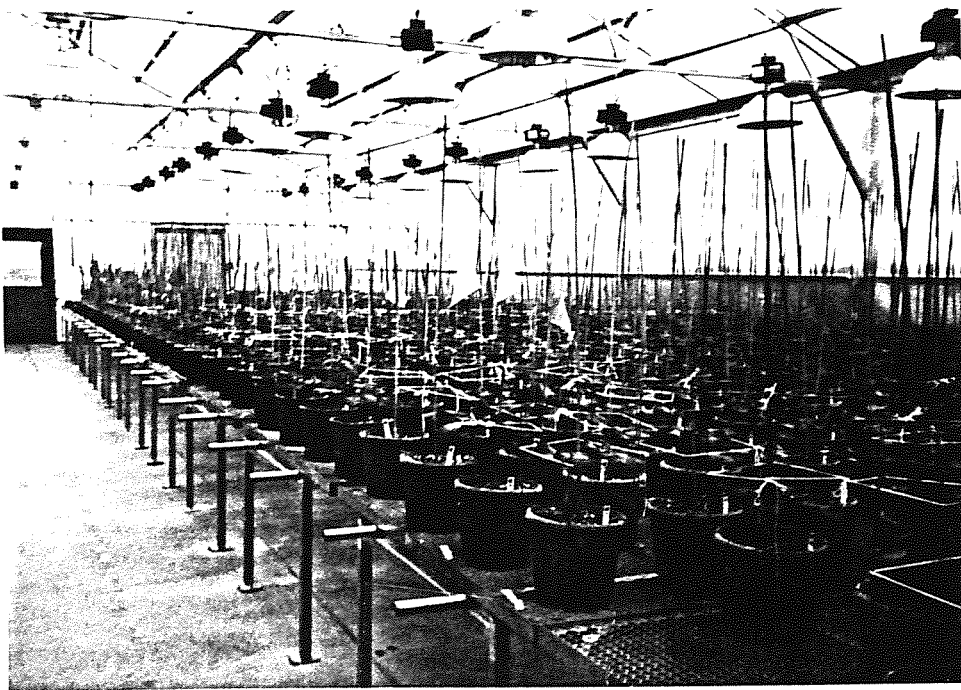
The shop building

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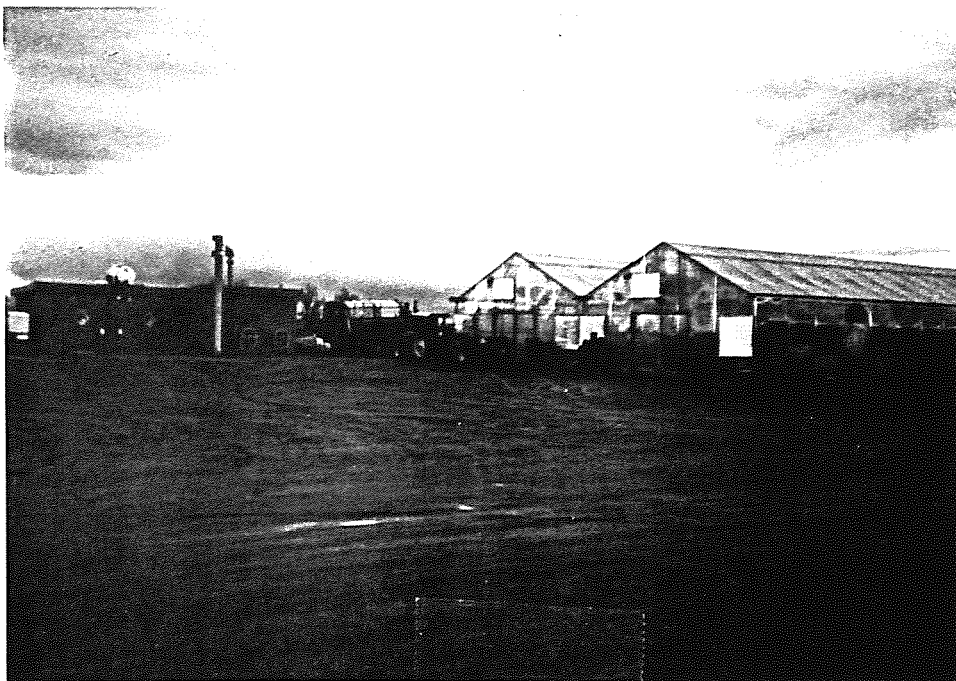
JUL 26 1994

63-10788

POOR ORIGINAL



#5
View of the
interior of one
research greenhouse
containing bean
seedlings



#6.
View of the two
Spring greenhouses
and chemical
building.

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63-10788

POOR ORIGINAL



#3

View of office
and greenhouses
looking Northwest
across Hwy 20-26.



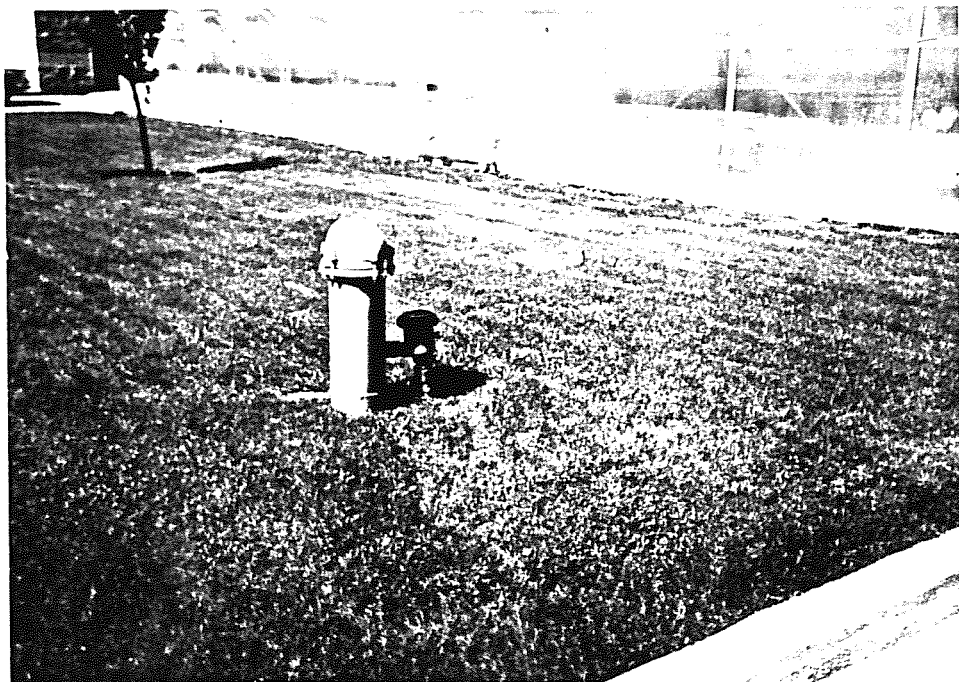
#4.

View of the interior
of one of four
research greenhouses.
The cooling pads are
at the rear of the
greenhouse and
the method of
irrigating is the
gardenhose in the
middle of the building

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63-10788



#1

P/D



#2

P/U - offices
for research
center

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JUL 26 1994

INIT

T. R. S. Q/Q

P/D 4W 2W 24 SWSE

SCALE

PHOTO ID. X 6

JUL 26 1994

POOR ORIGINAL

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE
WATER RIGHT NO. 63-10788

Priority: May 1, 1989

Maximum Diversion Rate:

0.11 CFS

Maximum Diversion Volume:

20.0 AF

This is to certify, that ROGERS BROTHERS SEED CO
PO BOX 4727

BOISE ID 837110727 has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated May 1, 1989; and
has submitted Proof of Beneficial Use on February 12, 1990. An examination indicates
that the works have a diversion capacity of .130 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>
COMMERCIAL	01/01 to 12/31	0.11 CFS	20.0 AF

LOCATION OF POINT(S) OF DIVERSION:

SWSE , Sec. 24, Township 04N, Range 02W
CANYON County

PLACE OF USE: COMMERCIAL
TWN RGE SEC

04N 02W 24 SWSE

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Water used under this right if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.
6. Commercial use is for a research center.

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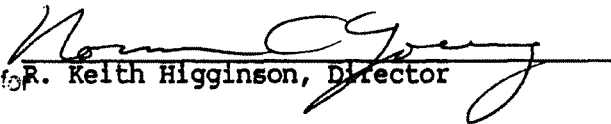
OCT 27 1992

PAGE 2

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE
WATER RIGHT NO. 63-10788

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 8th
day of OCTOBER, 1992


Acting for R. Keith Higginson, Director

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OCT 27 1992

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 63-10788

Proposed Priority: May 1, 1989

Maximum Diversion Rate:

0.67 CFS

This is to certify, that **ROGERS BROTHERS SEED CO.**

P.O. BOX 4727

BOISE, ID 837110727

has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

COMMERCIAL

01/01 to 12/31

0.67 CFS

LOCATION OF POINT(S) OF DIVERSION:

SWSE Sec. 24, Township 04N, Range 02W
CANYON County

PLACE OF USE: COMMERCIAL

TWN RGE SEC

04N 02W 24

SWSE

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **August 1, 1990.**
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. Water used under this permit if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.
5. 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.
6. Commercial use is for research center.

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

25th day of

July, 1989

R. Keith Higginson
R. Keith Higginson, Director

MICROFILMED

AUG 29 1989

Ident. No. 63-10788

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: ROGERS BROTHERS SEED CO. 208-322-7272
Address: P.O. BOX 4727
BOISE, ID 83711-0727

2. Source: GROUNDWATER Trib. to:

3. Location of point of diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
04N	02W	24	SW	SE			CANYON

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AFA
COMMERCIAL	01/01	12/31	0.670		

5. Total quantity appropriated is:
0.670 CFS (and/or) AFA

6. Proposed diverting works:

- Description of ditches, flumes, pumps, headgates, etc.
PUMP, PRESSURE TANKS, PIPELINES
- 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.
- Proposed well diameter is inches; proposed depth of well is
feet.
- Is groundwater with a temperature greater than 90F 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.

8. Description of proposed uses:

I

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AUG 29 1989

9. Description of place of use:

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
04N	02W	24	SW SE		COMMER	

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

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

12. Remarks:

13. Map of proposed point of diversion and place of use attached? [X]

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.

Leon A. Hansen
Applicant
VICE PRESIDENT - RESEARCH

Received by SL Date 5/1/89 Time 10:30 Preliminary check by SL

Fee \$ 45 Receipted by SL # W002650 Date 5/1/89

Publication prepared by GG Date 5/10/89 Published in Press Tribune

Publication approved et Date 6-20-89
5/17 & 5/24/89

MICROFILMED

AUG 29 1989

