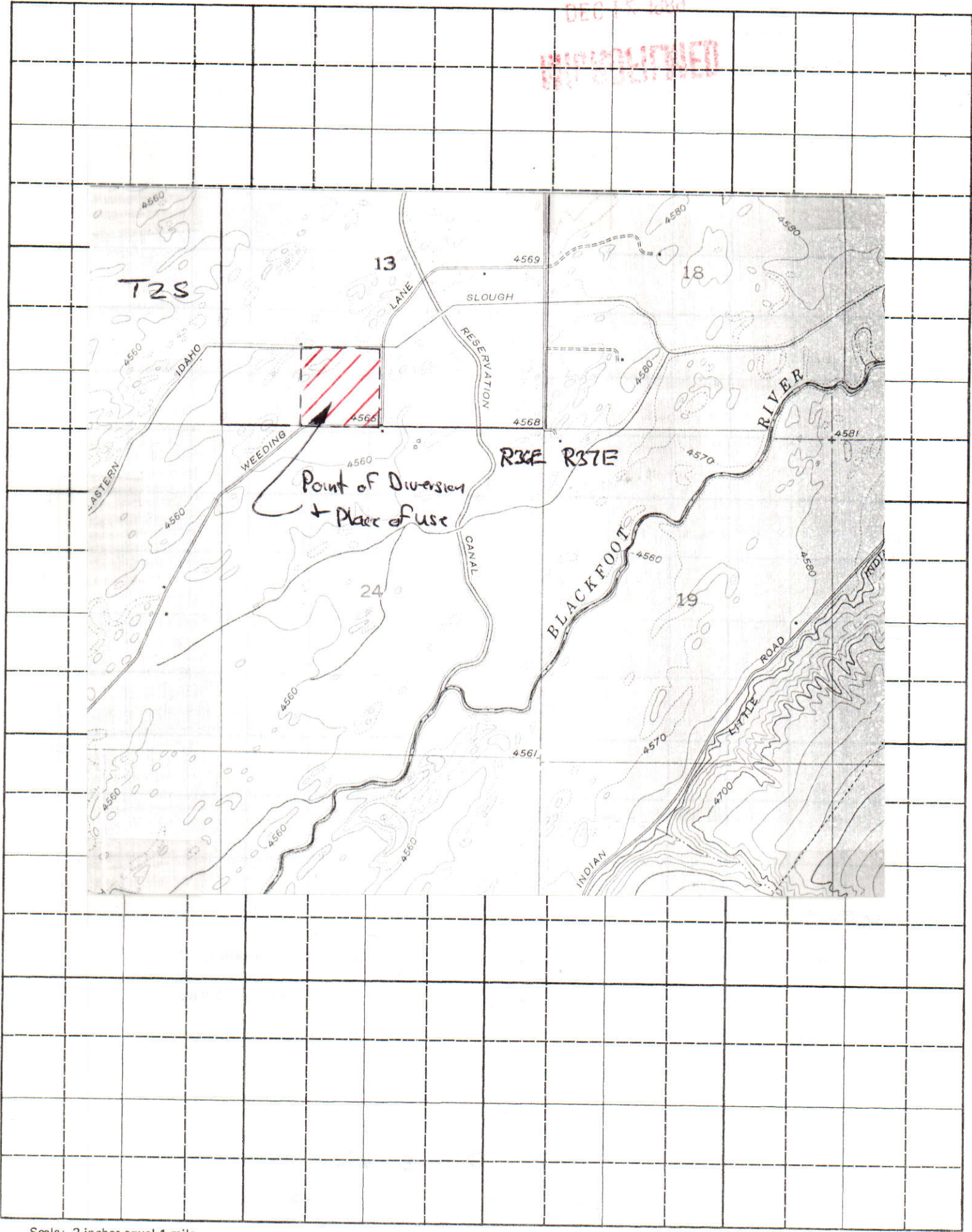


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

MICROFILMED
Eldred Pratt
(Applicant)

DEC 12 1989

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

FEB 01 1994

Department of Water Resources

A. GENERAL INFORMATION

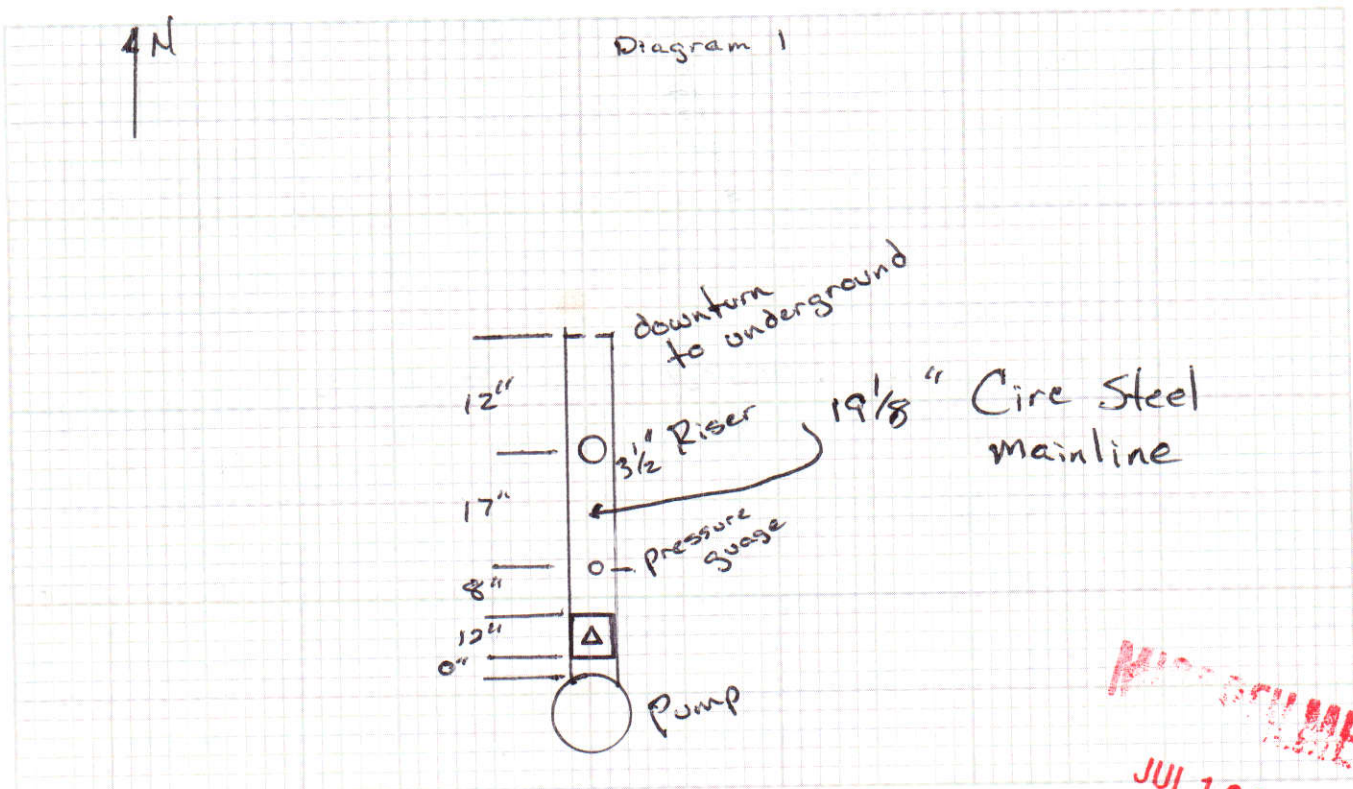
Permit No. 27-7387
Phone No. 785-2044
1. Owner: Eldro Pratt
Current Address: 400 E. 225 N Blackfoot, ID 83
2. Accompanied by: Eldro EXAM. DATE: 7-31-90
Address: Same Phone No. -
Relationship to Permit Holder: holder
3. Source: Groundwater tributary to -

B. OVERLAP REVIEW

1. Other water rights with same place of use: 01-00313 * It does not appear that this right is/has/
or can be delivered. DMO ☐ Copies Attached
2. Other water rights with same point of diversion: NONE
☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



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).

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

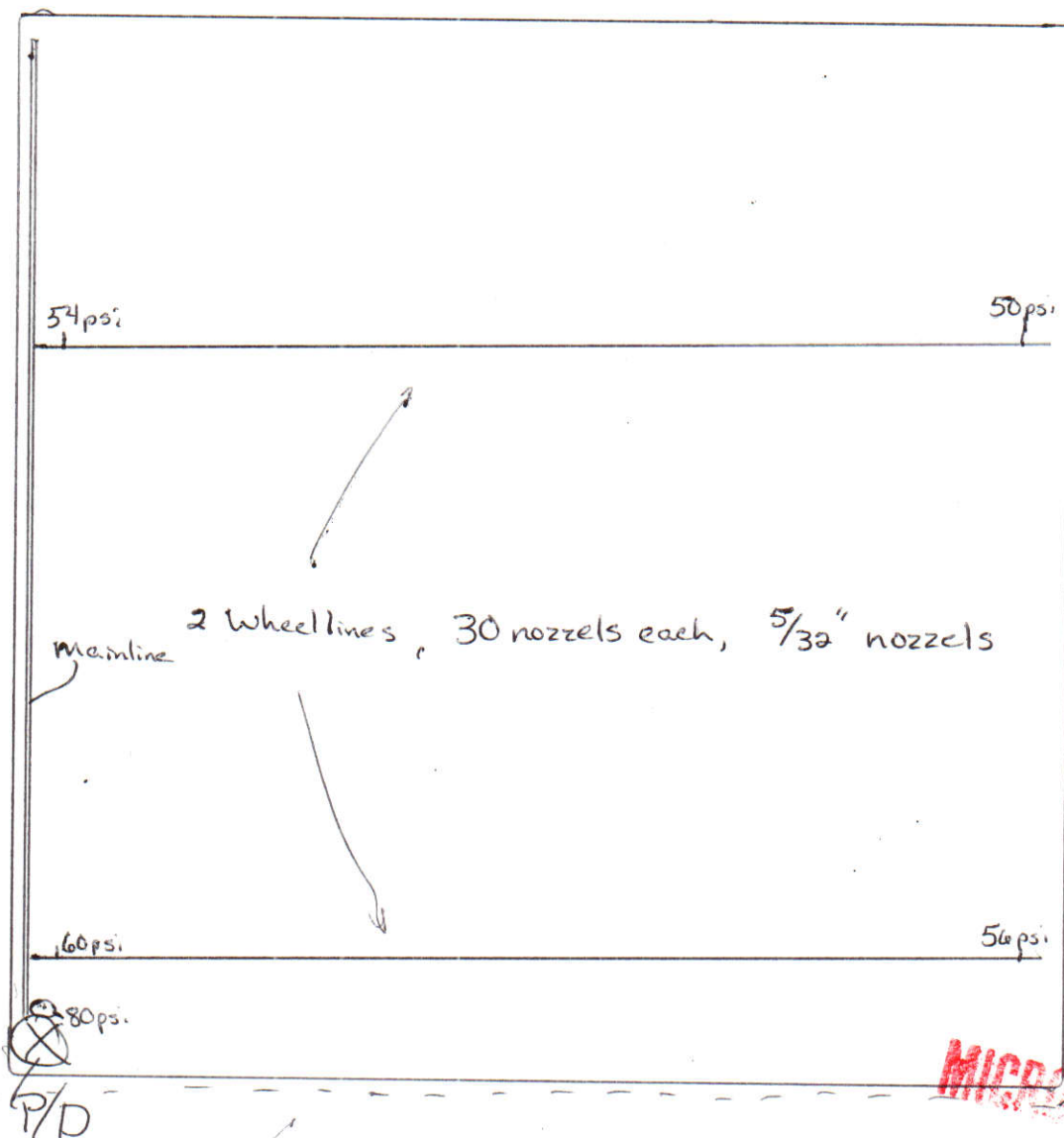
27-7387
Permit No.

Measurement Calculations

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

Pressure Measurements on Wheel Lines

SESW T2S R36E Sect 13



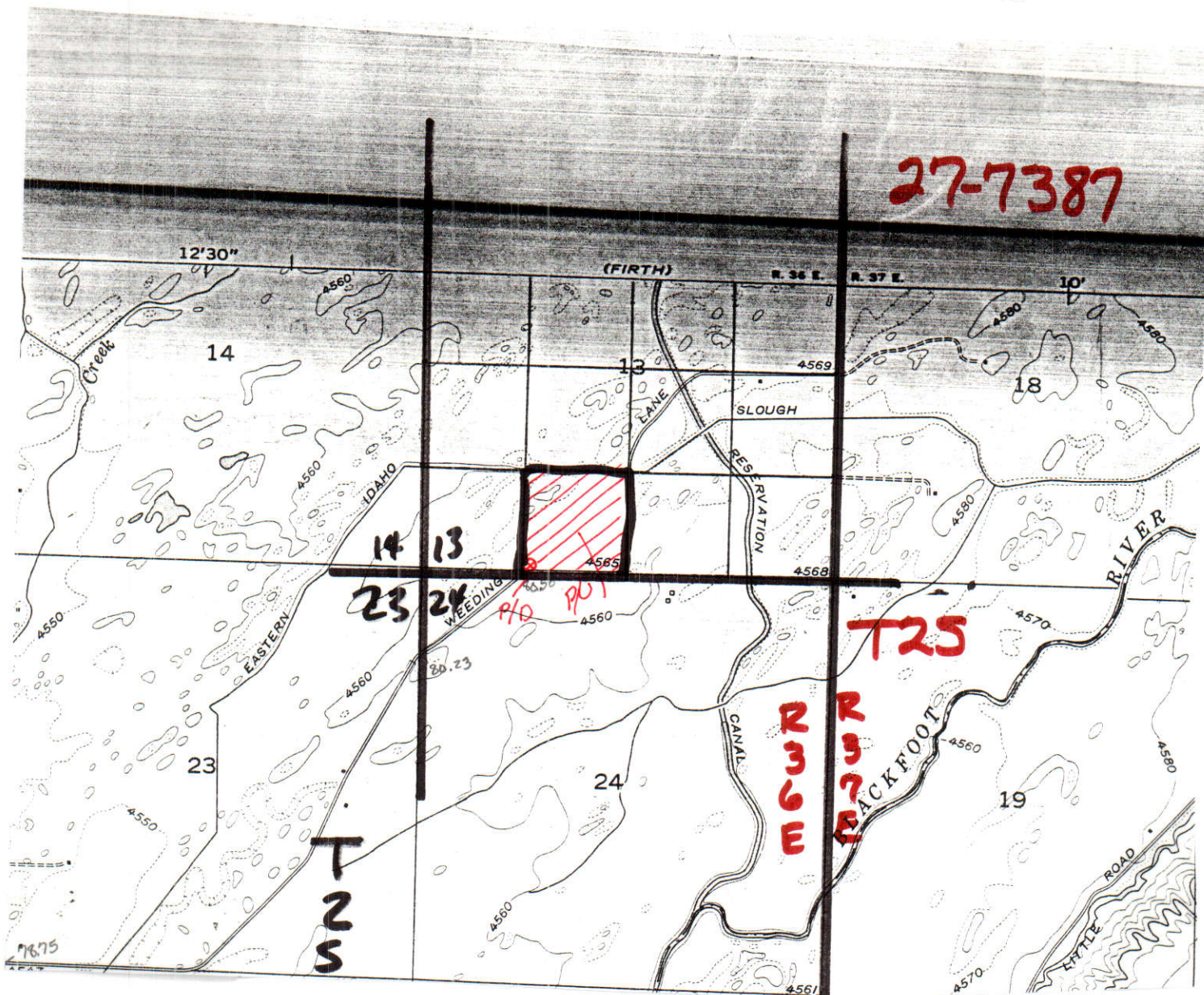
MICROFILMED
JUL 19 1995

Diagram 2

Scott King

8/1/90

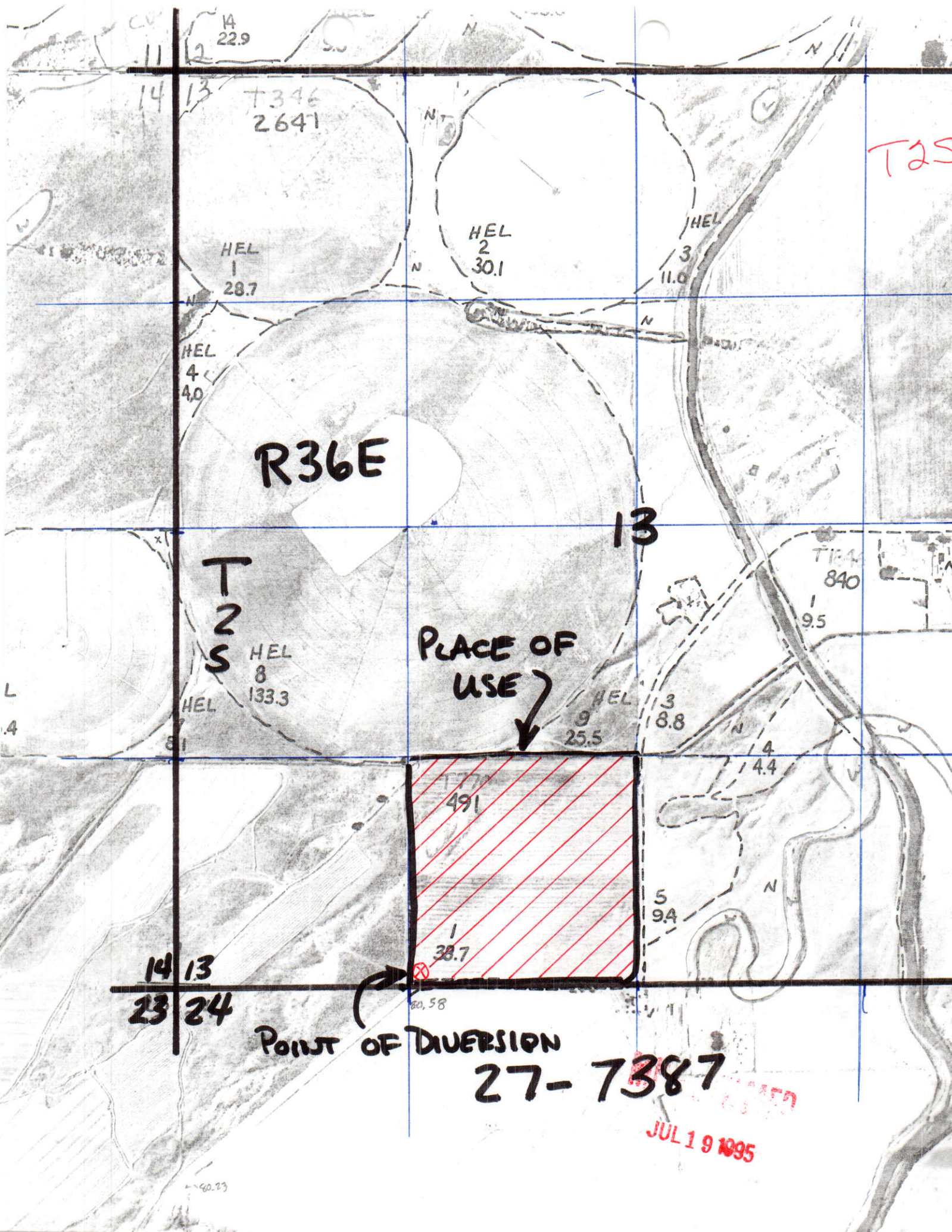
Page 1 of 2



R36E R37E

27-7387

FILED
JUL 19 1995



R36E

T2S

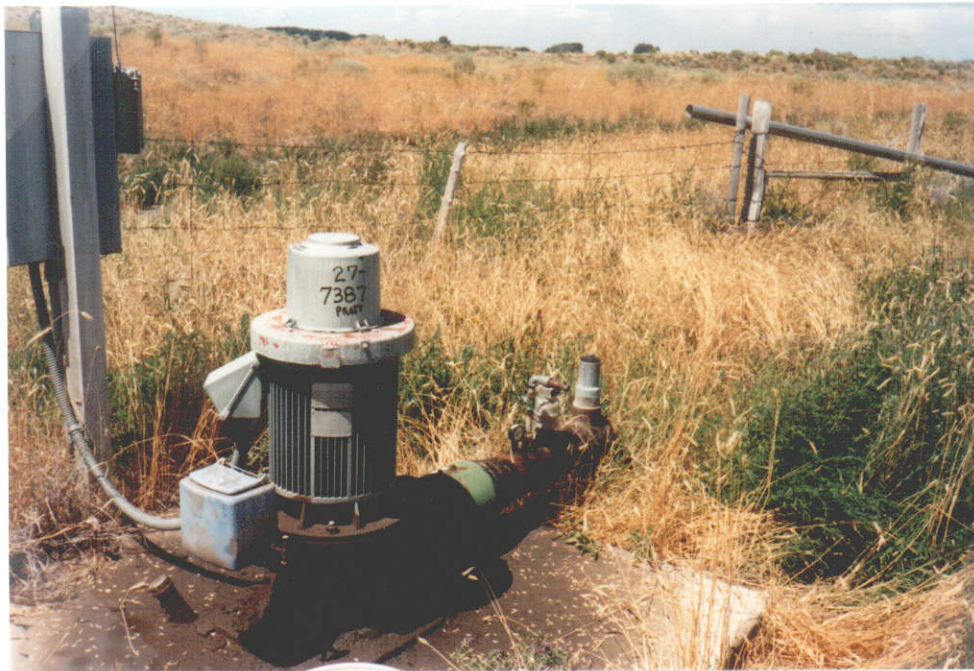
PLACE OF USE

POINT OF DIVERSION

27-7387

JUL 19 1895

27-7387
PRATT



27-7387

MICRO
JUL 19 1995

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 27-07387

Priority: March 26, 1984

Maximum Diversion Rate:

0.72 CFS

Maximum Diversion Volume:

161.5 AF

This is to certify, that ELDRO PRATT
BONNIE J PRATT

225 N 400 E

BLACKFOOT ID 83221

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 26, 1984; and has submitted Proof of Beneficial Use on May 7, 1990. An examination indicates that the works have a diversion capacity of 0.720 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	0.72 CFS	154.8 AF
STOCKWATER	01/01 to 12/31	0.11 CFS	6.7 AF
Totals		0.72 CFS	161.5 AF

LOCATION OF POINT(S) OF DIVERSION: SESW , Sec. 13, Township 02S, Range 36E
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	36E	13	SESW	38.7		38.7

Total number of acres irrigated: 38.7

PLACE OF USE:

STOCKWATER, same as IRRIGATION use

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 that 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. 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.

RECORDED
JUL 19 1995

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 27-07387

CONDITIONS/REMARKS:

6. 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.
7. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.0 afa per acre for the lands above.
8. Stockwater use is for 500 range cattle.

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 7TH
day of July, 1995.

Acting for

KARL J. DREHER, Director

JUL 19 1995

RECEIVED
MAY 07 1990For Office Use Only
Amt. of Fee \$ 100.00
Date 5-7-90
Receipt No. C16135
Received by C. Wong
MS-5-30-90STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

Department of Water Resources

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. 27-07387 Telephone No. 785 2044Name(s) of Permit Holder(s): ELERO PRATT - BONNIE J. PRATTPost Office Address: 225 North 400 East Blackfoot Idaho 83221Source of Water: GroundIf ground water, well driller's name: LAMAR BARRELS Date drilled: 4/17/84

Extent of Use:

Domestic _____ (No. of households)

Irrigation 40 (No. of acres)Stockwater 500 cattle (No. and type of stock)

Other _____

Total rate and/or volume for which proof is submitted 0.92 cfs _____ acre/feetShow date water was first diverted and beneficially used under this permit: May - 1984

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

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

Name ELERO PRATT Telephone No. (208) 785 2044Address 225 No. 400 E. Blackfoot

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.

MICROFILMED

JUN 18 1990

Date May 7 1990 Signature Eldro Pratt
(and title if on behalf of a company or organization)

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 27-07387

Proposed Priority: March 26, 1984 Maximum Diversion Rate: 0.92 CFS

This is to certify, that **ELDRO PRATT**
BONNIE J. PRATT
RT. 6, BOX 250
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	03/15 to 11/15	0.80 CFS
STOCKWATER	09/01 to 05/01	0.12 CFS
	Totals	0.92 CFS

LOCATION OF POINT(S) OF DIVERSION: SESW Sec. 13, Township 02S, Range 36E
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	36E	13	SESW	40		40

Total number of acres irrigated: 40

PLACE OF USE: STOCKWATER, 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 **December 1, 1993**.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
5. 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.
6. 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.

RECEIVED

JUN 1 1989

State of Idaho
Department of Water Resources**Permit To Appropriate Water**

NO. 27-07387

CONDITIONS/REMARKS:

7. 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.
8. 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.

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

21st day of November, 1989.

for R. Keith Higginson, Director

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Eldro &/or Bonnie J. Pratt Phone 785-2044
Post office address Rt. 6, Box 250, Blackfoot, Idaho 83221
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 13 Township 2S
Range 36E B.M. Bingham County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 0.80 for Irrigation purposes from 3-15 to 11-15 (both dates inclusive)
(cfs or ~~acre-feet per annum~~)
Amount 0.12 for Stockwater purposes from 9-1 to 5-1 (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~~)

5. Total quantity to be appropriated:

a. 0.92 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 to sprinkler lines
and stock trough

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 70 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years (minimum 1 year — maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 13 Township 2S
Range 36E 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 500 head of cattle

(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: _____

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DEC 12 1989

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

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	36E	13												40					40
														S					

Total number of acres to be irrigated 40

c. Describe any other water rights used for the same purposes as described above. NONE

9. a. Who owns the property at the point of diversion Applicants

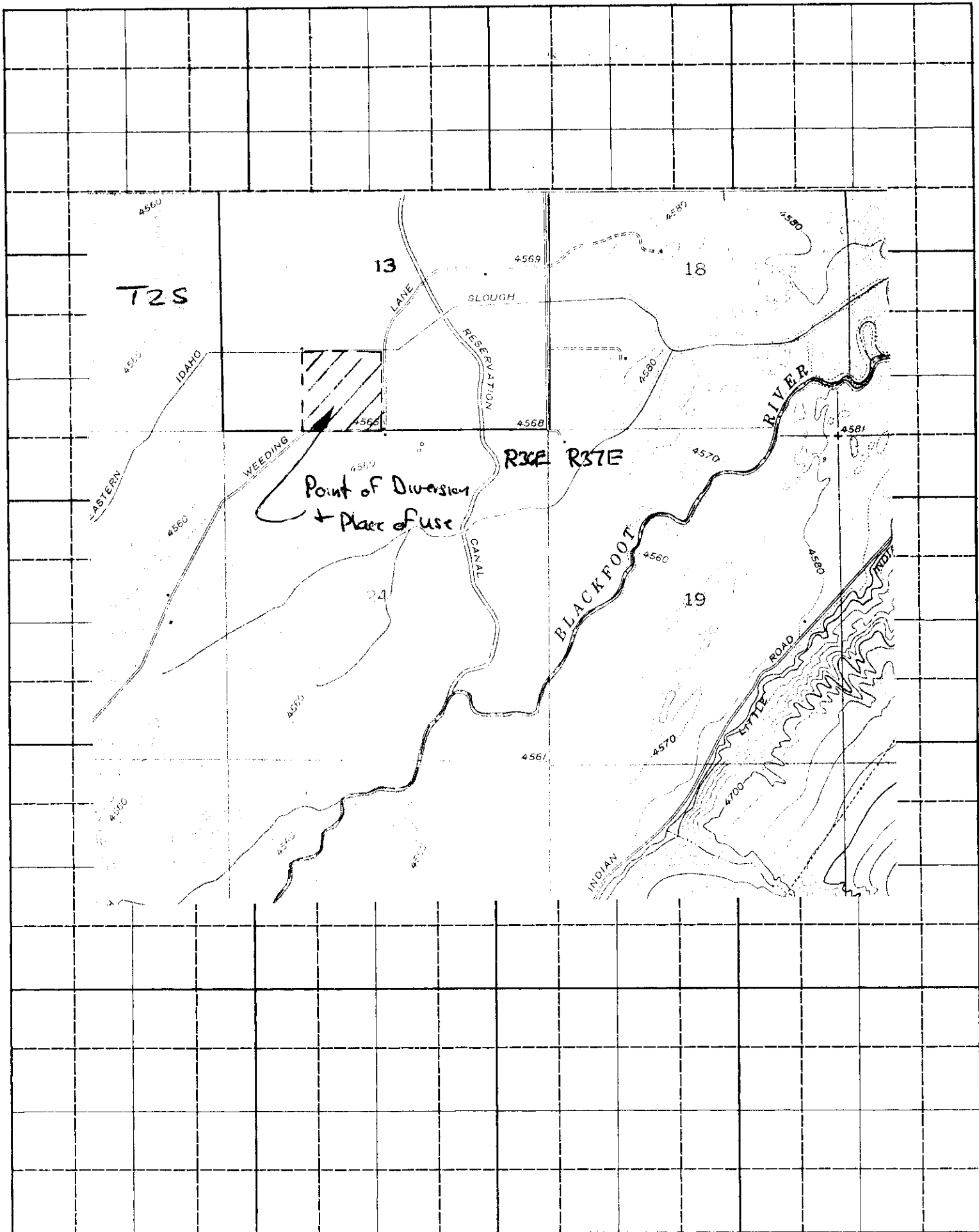
b. Who owns the land to be irrigated or place of use Applicants

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

DEC 12 1989

11. 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.

RECORDED

Eldred Pratt
(Applicant)

DEC 14 1989

Received by CW Date 3-26-84 Time 1:15 p
Preliminary check by _____ Fee \$ 4500
Receipted by BP Date 3/26/84 # 33486
Publication prepared by KB Date _____
Published in Morning News
Publication dates 9-21-28-89
Publication approved KB Date 10-5-81
Protests filed by: none

Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by JCS

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:

MICROFILMED

DEC 12 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

July 12, 1995

ELDRO PRATT
BONNIE J PRATT
225 N 400 E
BLACKFOOT ID 83221

RE: WATER RIGHT NO. 27-07387

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

JUL 19 1995

MEMORANDUM

TO: File 27-07387 / Eldro Pratt
FROM: Brenda Chapman
DATE: June 22, 1995 / June 30, 1995
RE: Recommendation Adjustment(s)

=====

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

6/29/95

Per telephone conversation with Mr. Pratt, he stated that originally they summer watered the stock elsewhere, thus the limited season of use. However, they now water the stock the full year at this location. With the reduction in acres, the longer stockwater season can be given without an increase in the annual volume consumption.

F. FLOW CALCULATIONS

The recommended capacity has been reduced to the sprinkler measurement of .72 cfs. By adjusting the theoretical calculation with a pumping level of 26' rather than the static water level of 16', the two rates become very close.

$$\frac{8.8 \times .7 \times 25 \text{ hp}}{26' + (2.31 \times 80 \text{ psi})} = .73 \text{ cfs}$$

G. VOLUME CALCULATIONS

The volume recommendations were corrected in this portion of the exam but not carried over to the recommendations.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Irrigation	4-01 to 10-31	.72	154.8
Stockwater	9-01 to 05-01	.11	6.7

The irrigation season dates are the current standards.

88-1150
JUL 19 1995

LICENS REVIEW CHECKLIST



PERMIT NO. 27-07387 DATE 10-22-95

NAME	Change ☒ OK	Or Address Change? ☐
PRIORITY DATE	☒	Advance? ☐ Advanced to: _____ Order to reinstate needed? ☐ Incorrect fee for rate recommended? <u>NO</u>
SOURCE	☒	Changes or just clarification of originally intended source? _____ Notice of Intent to Void necessary? ☐
POINT OF DIV	☒	Amendment needed? _____ Overlaps? ☒
PLACE OF USE	☒	Amendment needed? _____ Overlaps? ☒
DIV RATE	☒	Permit/fee limits: <u>.92 CFS</u> Meas Q = <u>.72</u> Theo Q = <u>.73</u> Recommend: <u>.72</u> <u>38.7 x .02 = .77 CFS</u> <u>8.8 x .7 x 25 HP</u> <u>500 cattle rate is .11 CFS</u> <u>210 + (2.31 x 80) = .73</u> Combined rates exceed capacity _____ ANNUAL VOLUME <u>243 days instead of 241</u> ☒ Volume Limit: <u>Winter Season</u> <u>4.0</u> <u>(4-1 to 10-31)</u> Calculations: <u>38.7 x 4 = 154.8</u> <u>500 cattle 9-1 to 5-1 = 4.5 af</u> Flow limit: _____ cfs x _____ x 1.9835 = _____ Combined volumes exceed capacity/allowable _____
USES	☒	Change in Nature of Use or additional uses? _____ Amendment necessary? ☐
ADDITIONAL INFO		Supplemental Groundwater <u>NO</u> PPU Scenario ☐ Irr/Dom Combination ☐ Shared G/W System ☐
NEW REMARKS	☐	Multiple p/d(s) in ¼ ¼? _____ <u>W02 Other 500</u>
NEW CONDITIONS	☐	Watermaster control - District _____ Measuring/Locking Devices _____ <u>B31</u> Irrigation Overlap _____ Other <u>keep 043 + 049</u> _____ Water Quality _____ Heat/Cool/Fish verified _____

COMMENTS: Reduce acres & rate to capacity.
6/30 NEW SEASON OF use per memo.

RECOMMENDATION	CFS	VOLUME	SRBA Claim Filed	Adjustment Memo Needed
<u>Irrigation</u>	<u>.72</u>	<u>154.8</u>		<u>NO</u>
<u>Stockwater</u>	<u>.11</u>	<u>4.5</u>		<u>YES</u>
<u>Total</u>	<u>.72</u>	<u>159.3</u>		
		<u>161.5</u>		
			LICENSE	☒
			1ST AMEND LETTER	
			2ND AMEND LETTER	

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

27-7387
Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

RECEIVED

FEB 01 1995

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 Department of Water Resources
☐ Computer Data Proof Report
☒ Copy of U.S.G.S. Quad
☒ Check for Government Lots. If so, make a copy of Government Plat

Check of P/D index He 7-31-90 (Initial and 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 He 7-31-90 (Initial and 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: _____

Aerial Photo

Required? ☒ yes ☐ no If yes: ☒ copy attached?

Scheduling Letter sent? _____ (Initial and 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
☐ Corrected Computer Data Proof Report with recommended license information, and date and signature of examiner.

C. Review and Processing:

Exam Completed Scott N King (Signature of examiner and date)

Exam Reviewed by Senior Water Resource Agent MD 1-19-95 (Initial and date)

Exam Reviewed by Manager of Regional Office _____ (Initial and date)

Exam Date Entered in Computer _____ (Initial and date)

Exam sent to State Office LA 1/30/95 (Initial and date)

Copy of Staff Analysis Sheet sent to Manager of Regional Office and Original
Refiled in White File _____ (Initial and date)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

FEB 01 1994

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 27-7387
Phone No. 785-2044
1. Owner: Eldro Pratt
Current Address: 400 E. 225 N Blackfoot, ID 83
2. Accompanied by: Eldro EXAM. DATE: 7-31-90
Address: same Phone No. -
Relationship to Permit Holder: holder
3. Source: Groundwater tributary to -

B. OVERLAP REVIEW

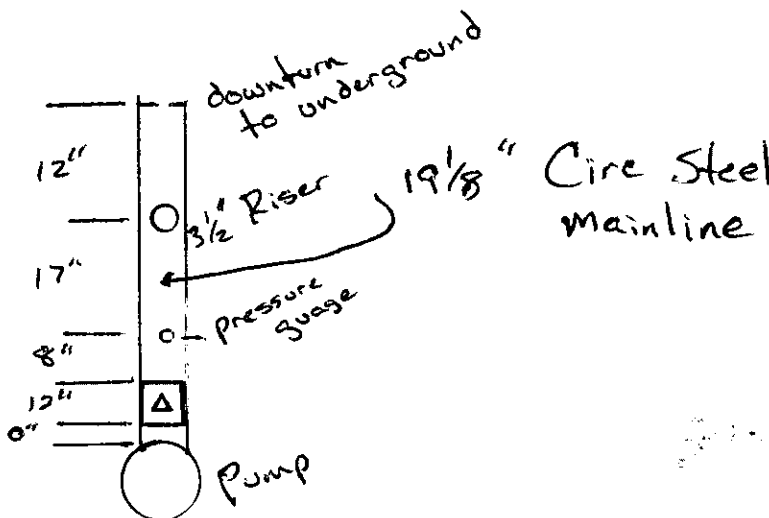
1. Other water rights with same place of use: 01-00273 + 1 acre overlap with this one, or can be delivered DND ☐ Copies Attached
2. Other water rights with same point of diversion: NONE ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached

4 N

Diagram 1



Scale: 1" = _____

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

JUL 19 1995

System Description (continued)

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

well, pump, mainline to two-quarter mile wheel lines

☐ See Remarks on page 4 for continuation

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
#1	General Elect	25	BXJ201259	Goolds	6"

*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
1			SE	SW	13	25	36E	Bingham	On site inspection, USGS Quad

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

Indicate Method of Determination *On site, ASES Aerial Photo*

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	
25	36E	13												38.7					38.7
														S					

Do not use this space

JUL 19 1985

Do not use this space

D. FLOW MEASUREMENTS

Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Pressure Gauge		Excel	104-04		0-100 psi	
Water Level Indicator	Electric	M-Scope			500'	

2. Measurements:

Static Water Depth 116' 2"
 Operating pressure at pump: 80 psi (owner's gauge)
 See attachment (Diagram 2) for pressure measurements on wheel lines.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

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

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

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

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

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

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

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 38.7 \text{ acres} \times 3.5 \text{ acre-feet/acre/season} = 135 \text{ af/season}$
 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.77 (214) 1.9835 = 326.8 \text{ af}$
 $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 135 \text{ af/season}$

2. Volume Calculations for Other Uses:

500 cattle x 12 gallons/day = 6000 gal/day
 8 months = 243 days
 6000 gal/day x 243 days = 1,460,000 gal x $\frac{3.0689 \text{ acre-feet}}{1 \times 10^6 \text{ gal}}$
 = 4.5 acre-feet/season

JUL 19 1995

H. REMARKS AND OVERLAP REVIEW ANALYSIS

1. a. If the total diversion rate is 0.77 cfs, I would like to see the total diversion rate to the project.

$$2. (500 \text{ cattle}) (.00022 \text{ cfs}) = .11 \text{ cfs}$$

$$(500 \text{ cattle}) (.0134 \text{ af}) (241 \text{ days}) / 365 = 4.42 \text{ af}$$

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	3-15-41	4-15-11/1	.722	135 afa
Stockwater	9-01	5-01	.11	4.42 afa
Totals:			.77	139.42

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 Scott N King

Signature Scott N King

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. *SK*

MINUTE 150

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

27-7387

Permit No.

Measurement Calculations

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

Volume calculations (see Diagram 2)

$$Q_{\text{total}} = Q_{\text{Line 1}} + Q_{\text{Line 2}}$$

Flow Equation:

$$Q = 0.0665 d^2 \sqrt{\text{psi}}$$

d^2 = (nozzle diameter)² [in.²]

psi = pressure in psi

$$Q_{\text{Line 1}} = 30 \left[0.0665 \left(\frac{5}{32} \right)^2 \sqrt{\frac{60+56}{2}} \right]$$

$$= 0.371 \text{ cfs}$$

$$Q_{\text{Line 2}} = 30 \left[0.0665 \left(\frac{5}{32} \right)^2 \sqrt{\frac{54+50}{2}} \right]$$

$$= 0.351 \text{ cfs}$$

$$Q_{\text{total}} = 0.371 + 0.351 = 0.722 \text{ cfs}$$

Theoretical Volume Calculations

Equation: $Q = \frac{8.8 (\text{efficiency}) (\text{HP})}{\text{Depth} + (2.31 \times \text{psi})}$

$$Q = \frac{8.8 (.70) (25)}{16 + 2.31 (80)}$$

$$= 0.77 \text{ cfs}$$

JUL 19 1995

Scott King
8-1-90 Page 2 of 2

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

27-7387
Permit No.

Measurement Calculations

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

Pressure Measurements on Wheel Lines

SESW T2S R36E Sect 13

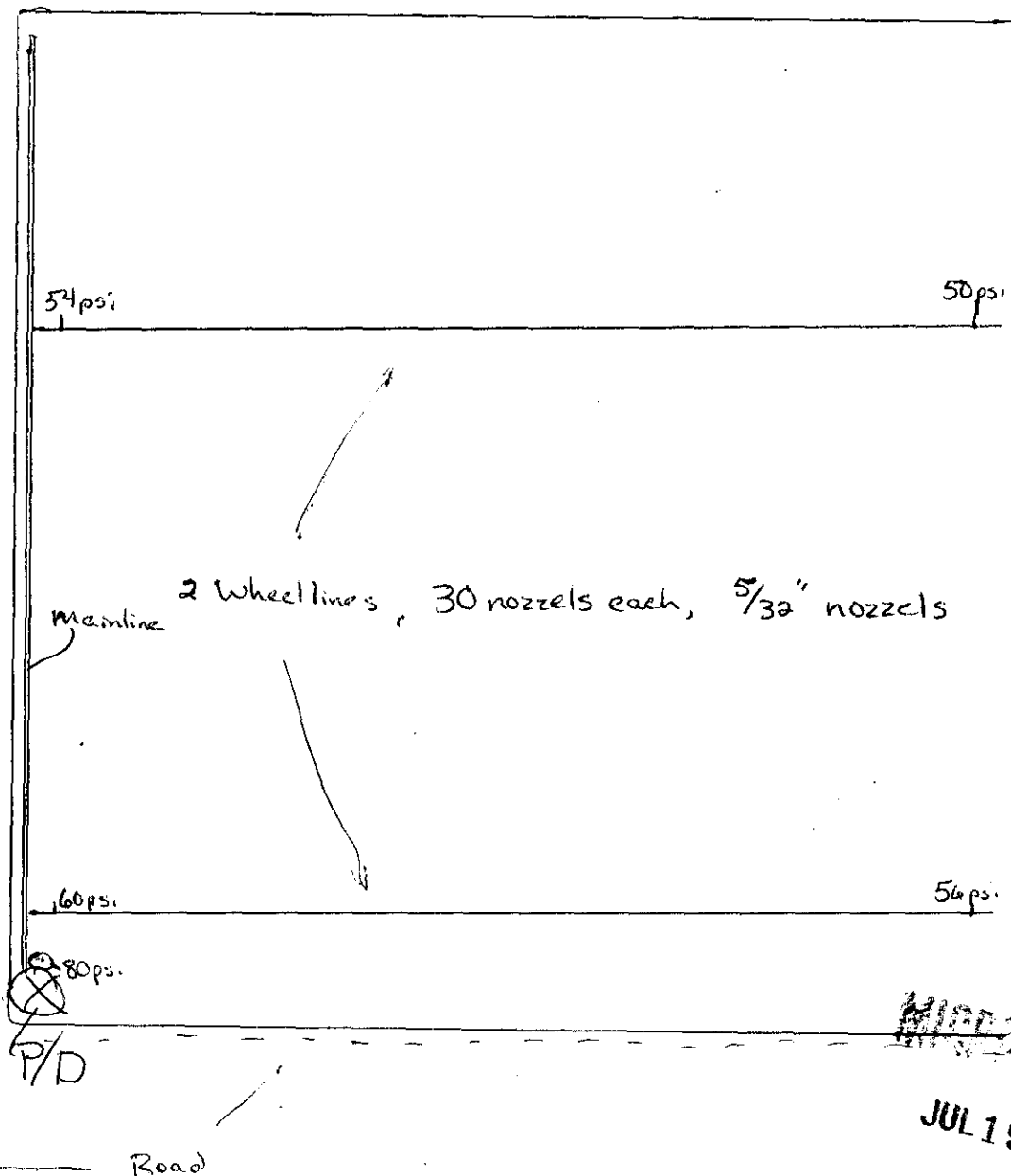


Diagram 2

Scott King

8/1/90

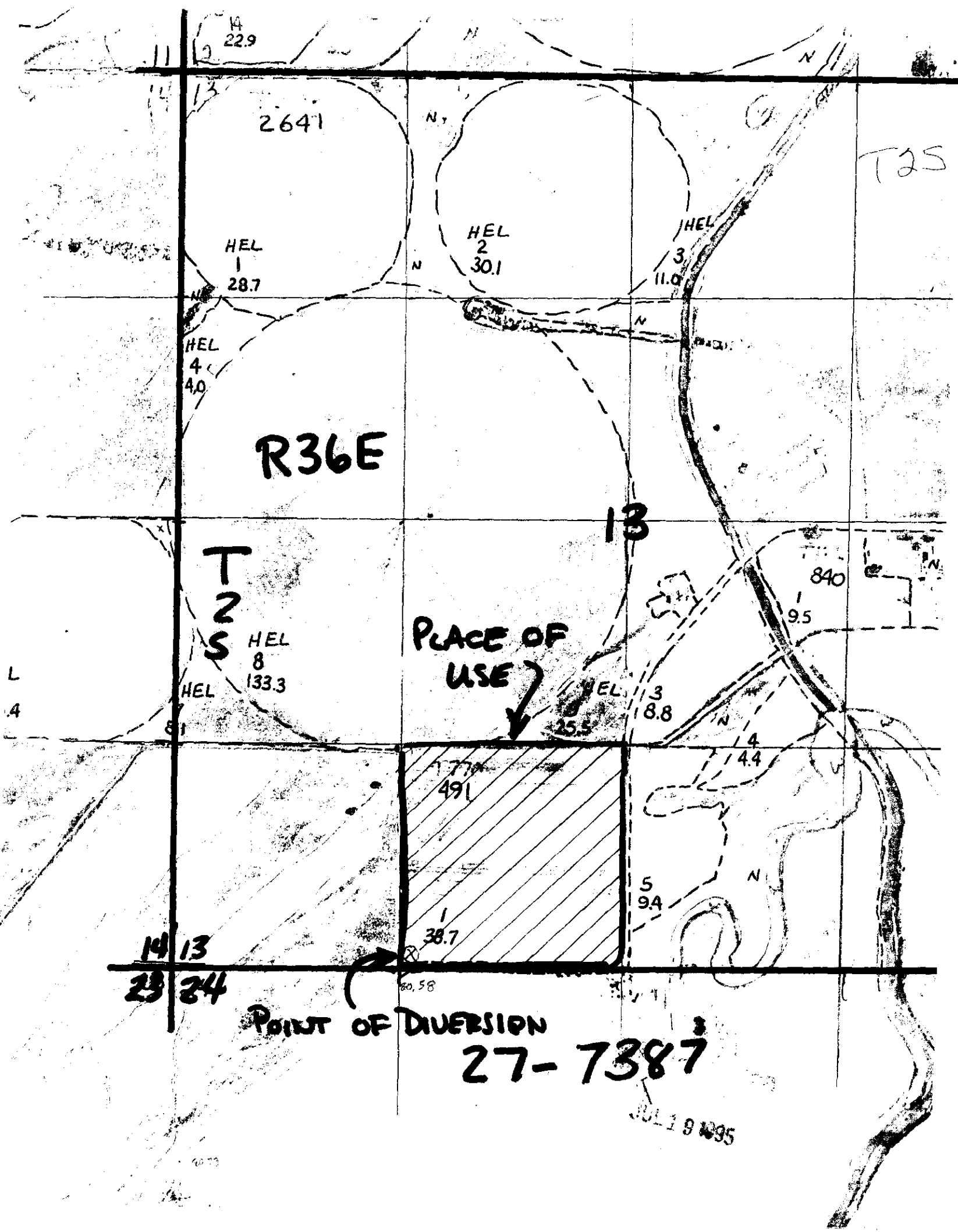
Page 1 of 2

JUL 19 1995

R36E R37E

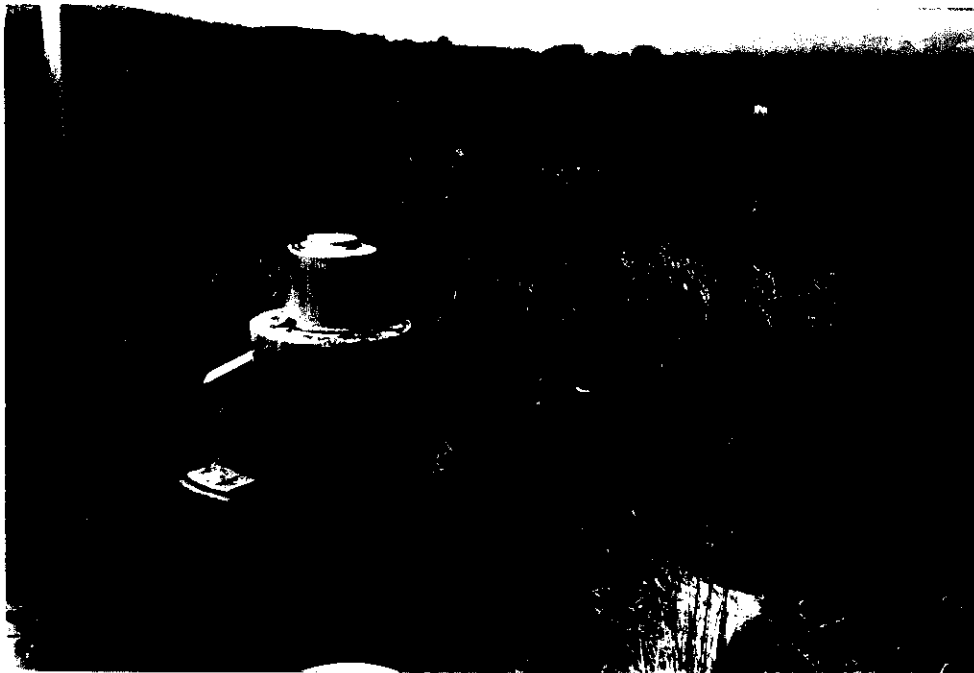
27-7387

Jul 19 1995



27-7387

PRATT



27-7387

JUL 19 1995

June 4, 1990

ELDRO PRATT
BONNIE J. PRATT
RT. 6, BOX 250
BLACKFOOT, ID 83221

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 27-07387

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 18 1990

INTER-DEPARTMENT MEMO — 1

FROM

Butcher

DATE

5-1-76

TO

F.L. 27-7387

SUBJECT

*The Dept. received a letter from
Lorne. I called Mr. Pratt and will
send it back at 4 p.m. today.*

MICROFILMED

JUN 18 1990

SIGNATURE

[Signature]

State of Idaho
225 N. H. East
Boise, Idaho 83720

PLACE
STAMP
HERE
RECEIVED
APR 6 1990

MICROFILMED



Department of Water Resources

JUN 18 1990

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. P29-C7357
Name(s) of Permit Holder(s): ELERO PRATT & BROWNIE S.
Post Office Address: 225 NORTH 41st EAST
BLACKFOOT IDA. 83221 PHONE 783-2044

- ☒ I hereby certify that construction of diversion works for the above referenced permit began on April 17, 1990 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit.
- ☐ I hereby certify that construction of diversion works on the above referenced project has not yet begun due to the following reason beyond my control:

*Note: A financing difficulty is not an acceptable reason.

3/30/90
Date

E. Pratt
Signature of Permit Holder

S T A T E O F I D A H O
DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 327-7900
November 22, 1989

ELDRO RATT
BONNIE J. PRATT
RT. 6, BOX 250
BLACKFOOT, ID 83221

PERMIT APPROVAL NOTICE

RE: PERMIT NO. P27-07387

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 4-235, 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.

MICROFILMED

DEC 13 1989

Please note the requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

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 into a license.

Sincerely

GARY SPACEMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosure

RECEIVED
JAN 10 1988

JAN 10 1988

13-Sep-1989

Eldro &/or Bonnie Pratt
Rt.6, Box 250
Blackfoot, ID 83221

RE: Application for Permit No. 27-7387

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. 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

13 SEP 1989

SEP 13 1989

[Handwritten signature]

DEPT. OF WATER RESOURCES
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:

27-07387

PRATT, Eldro
PRATT, Bonnie J.
Rt. 6, Box 250
Blackfoot, Idaho 83221
Source: GROUNDWATER
Diversion Pt: SESW, Sec. 13, T. 02S, R.
36E.
Use: IRRIGATION (1,800 CFS).
STOCKWATER (120 CFS).
Date Filed: 3/26/1984.
In: T02S, R36E, S13, SESW.
40.0 ACRES TOTAL.

27-07389

BELNAP, Vera Poulson
441 E. 400 N.
Blackfoot, Idaho 83221
Source: GROUNDWATER
Diversion Pt: NENW, Sec. 14, T. 02S, R.
36E
NWNW, Sec. 14, T. 02S, R. 36E.
SWNW, Sec. 14, T. 02S, R. 36E.
Use: IRRIGATION (2,320 CFS).
Date Filed: 4/9/1984.
In: T02S, R36E, S14, NENW, NWNW,
SWNW, SENW.
116.0 ACRES TOTAL.

27-07390

MORRIS, Gordon
Rt. 1, Box 184
Firth, Id. 83236
Source: GROUNDWATER
Diversion Pt: NENE, Sec. 13, T. 02S, R.
36E.
SENE, Sec. 13, T. 02S, R. 36E.
Use: IRRIGATION (1,900 CFS).
Date Filed: 4/19/1984.
In: T02S, R36E, S13, NENE, NWNE, SENE.
95.0 ACRES TOTAL.

27-07392

WERNETTE, Ken
Rt. 1, Box 177
Firth, Id. 83236
Source: GROUNDWATER
Diversion Pt: SESE, Sec. 1, T. 02S, R. 36E.
Use: IRRIGATION (2,900 CFS).
Date Filed: 6/12/1984.
In: T02S, R36E, S01, NESE, NWSE, SWSE.
SESE.
145.0 ACRES TOTAL.

27-07396

POWELL, Floyd T.
200 N., 26 E.
Blackfoot, Id. 83221
Source: GROUNDWATER
Diversion Pt: SWSE, Sec. 19, T. 02S, R.
36E.
Use: IRRIGATION (1,440 CFS).
Date Filed: 10/03/1984.
In: T02S, R36E, S19, SESW, SWSE.
72.0 ACRES TOTAL.

27-07474

BARTAUSKY, Tom
8 W., 100 N.
Blackfoot, Idaho 83221
Source: GROUNDWATER
Diversion Pt: SENW, Sec. 19, T. 02S, R.

RECEIVED

OCT - 3 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 af-
fidavit 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
21st day of September, 1989;

and the last publication having been made on the
28th day of September, 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 29th day of September, in
the year 1989 before me a Notary Public of said State,
personally appeared

Ted Townsend
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 ex-
ecuted the same.

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

Affidavit Processing Fee..... \$5.00

MICROFILMED

DEC 12 1989

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

Idaho Falls, Idaho 83402
(208) 525-7161

SEPTEMBER 13, 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 9, 1989.

Yours truly,

Rita Bodell
Secretary

Encl.

NOTICE OF APPLICATION FOR WATER RIGHT

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

MICROFILMED

DEC 18 1989



27-07387

PRATT, ELDRO
PRATT, BONNIE J.
RT. 6, BOX 250
BLACKFOOT, ID 83221

Source: GROUNDWATER

Diversion Pt: SESW Sec 13 T 02S R 36E

Use: IRRIGATION (.800 CFS)
 STOCKWATER (.120 CFS)

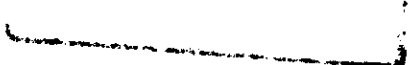
Date Filed: 3/26/1984

In: T02S R36E S13 SESW

40.0 ACRES TOTAL

MICROFILMED

DEC 13 1989



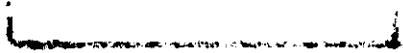
The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before OCTOBER 9, 1989.

R. Keith Higginson, Director

Published 9/21/1989 & 9/28/1989

MICROFILMED

DEC 13 1989



27-7387

PRATT, ELDRO &/or BONNIE J.

RT. 6, BOX 250, BLACKFOOT, ID 83221

Source: GROUNDWATER

Date Filed: 03/26/1984

Diversion Pt: SESW Sec 13 T 02S R 36E

Use: IRRIGATION	(0.80 CFS)
STOCKWATER	(0.12 CFS)

In: SESW Sec 13 T 02S R 36E FOR 40 ACRES

RECORDED

DEC 18 1989

March 21, 1984

Eldro Pratt
Rt. 6, Box 250
Blackfoot, ID 83221

Dear Mr. Pratt:

Enclosed is your application for permit. Please review it and if everything is correct sign and send it to this office with a fee of \$45.00.

Sincerely,

HAROLD W. JONES
Sr. Resource Agent

HWJ:bp

Enclosure