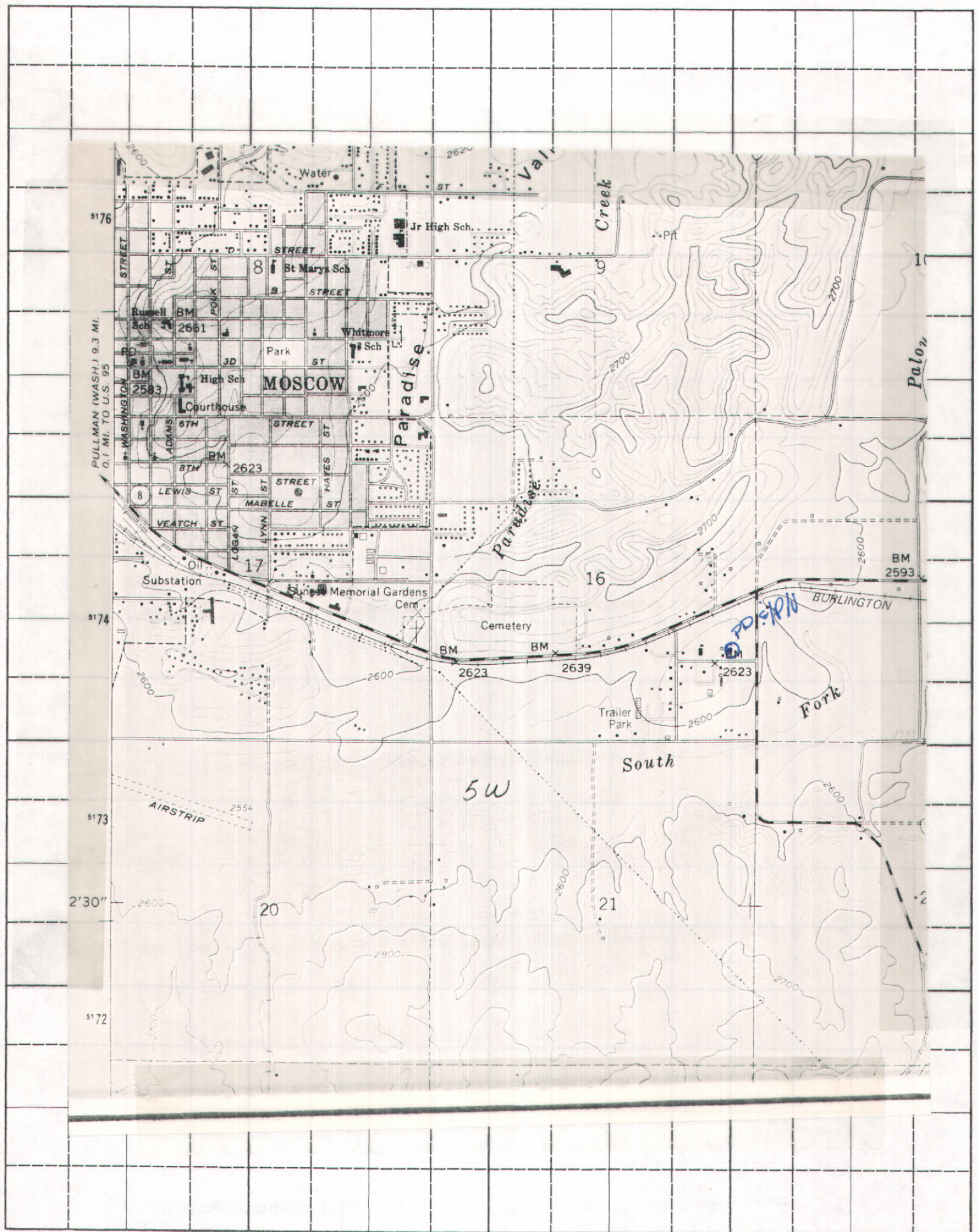


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

R. F. Crathorne

(Applicant)

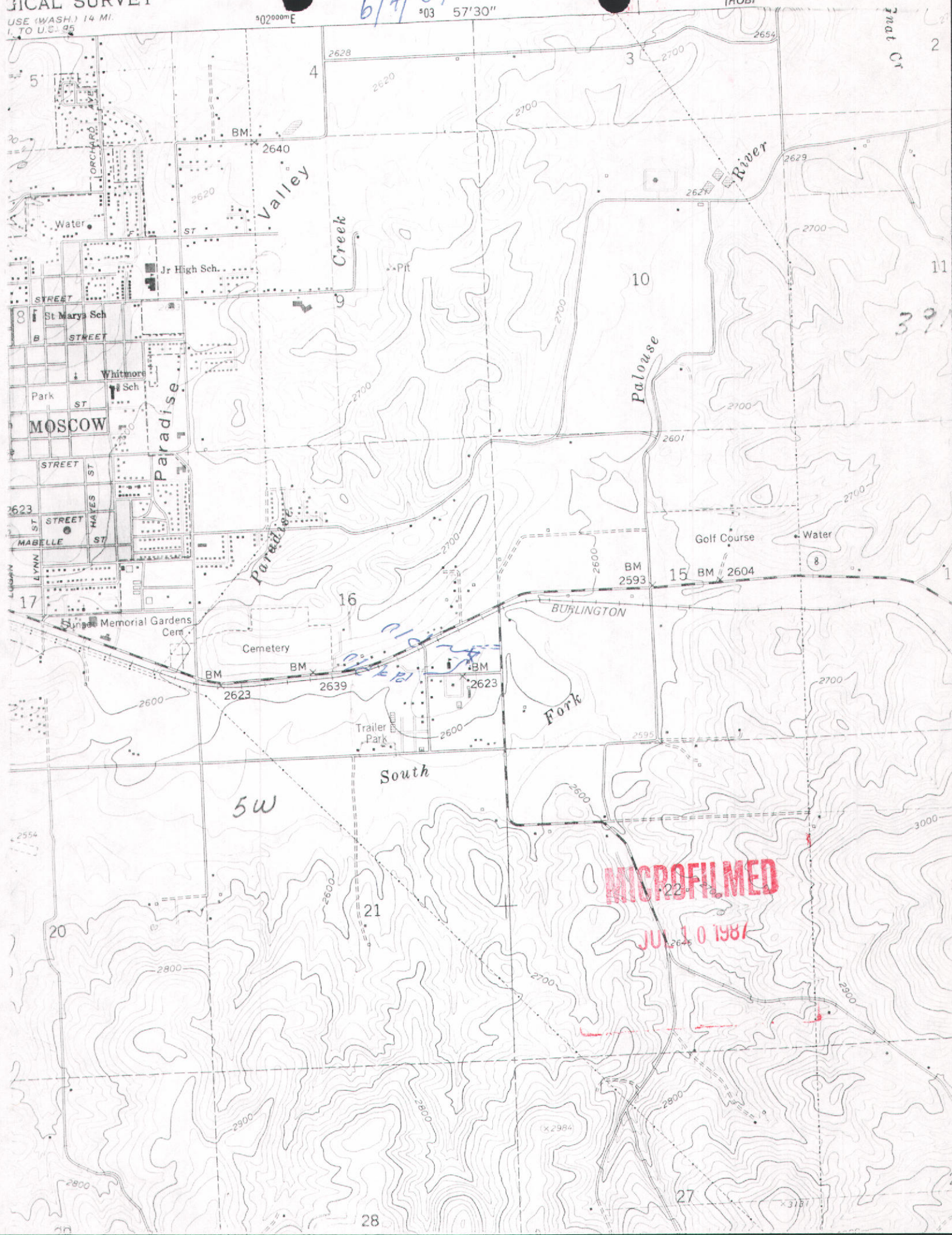
MICROFILMED

6/4/84

503 57'30"

2
(ROB

87-7114



State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 87-7114

Priority: November 30, 1983 Amount: .08 CFS 2.5 AFA

This is to certify, that RUSSELL F. CRATHORNE
3154 TOMER ST.

MOSCOW, ID 83843 has complied with the terms and conditions
of the permit issued pursuant to Application for Permit dated November 30, 1983, and
has submitted proof to the Department of Water Resources on November 30, 1983, that
water has been applied to a beneficial use; an examination by the Department indicates
that the works have a diversion capacity of .08 cfs of water from a GROUNDWATER
source and that a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>VOLUME</u>
Stockwater	01/01 to 12/31	.02 cfs	.1 afa
Domestic	01/01 to 12/31	.06 cfs	2.4 afa
	Totals	.08 CFS	2.5 AFA

LOCATION OF POINT OF DIVERSION(S): NESE , Sec. 16, Township 39N, Range 5W
Latah County

PLACE OF USE: Stockwater

TWN RGE SEC

39N 5W 16 NESE

PLACE OF USE: Domestic, same as Stockwater use

CONDITIONS/REMARKS:

1. The right to the use of the water hereby confirmed is limited to the amount which can actually be beneficially used and is restricted and appurtenant to the lands or place of use and to the purpose herein described, as provided by the laws of Idaho.
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.

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 23rd day
of JUNE, 1987.

RECORDED

JUL 10 1987

Acting for the Director

Norman C. Young

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Russell F. Crathorne Phone 882-4302
Post office address 3154 Tomer St. Moscow ID 83843
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 16 Township 39N
Range 5W B.M. Latah County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount .06 for Domestic purposes from 1-1 to 12-31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount .02 for Stock purposes from 1-1 to 12-31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

- a. .08 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

- a. Description of ditches, flumes, pumps, headgates, etc. well and pump

- 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.

- c. Proposed well diameter is 6 inches; proposed depth of well is 179 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: NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 16 Township 39N
Range 5W 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 horse and cows 40 chickens
- (4) Name of municipality to be served _____, or number of families to be supplied with domestic water 2.
- (5) If water is to be used for other purposes describe: _____

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[illegible]

Total number of acres to be irrigated

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

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

App/

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

App.

James R. Craithorne

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the

applicant to make this filing.

Verbal agreement.

10. Remarks

ORIGINAL

Proposed Priority 11/30/83
Received by [Signature] Date 11/30/83 Time 1:00 PM
Preliminary check by [Signature] Fee \$300
Received by [Signature] Date 11/30/83 # 31407
Publication prepared by [Signature] Date 11/30/83
Published in [Signature]
Publication dates 12/8+15/83
Publication approved [Signature] Date 12/20/83
Protests filed by: [Signature]
Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by [Signature] kw

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. 87-7114, and said application is hereby APPROVED _____.

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 February 1, 19 85.

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: The issuance of this permit in no way grants any right-of-way or easement across the land of another.

Witness my hand this 25th day of January, 1984.

[Signature]
Chief, Operations Bureau

Affidavit of Publication

STATE OF IDAHO }
County of Latah } ss.

Ray Rosch

being first duly sworn, on oath,
deposes and says:

That he is the printer of The
DAILY IDAHOIAN, a newspaper
of general circulation, printed and
published daily except Sunday at
Moscow, Latah County, Idaho, in
compliance with Sections 60-106,
60-107, and 60-108 of the Idaho
Code and the amendments there-
to; that the notice of which the
annexed is a full, true and correct
printed copy was published in the
regular and entire issues of said
newspaper and not in a supple-
ment thereto, upon the following

dates:

Dec 8, 15, 1983

the same being the dates desig-
nated for the publication of said
legal notice.

Ray Rosch
Subscribed and sworn to before

me this 20th day of December

19 83

Carol Fleenor

Notary Public,
residing at Moscow, Idaho

NOTICE OF APPLICATION FOR WATER RIGHT

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

87-7114

CRATHORNE, RUSSELL F.
3154 TOMER ST., MOSCOW, ID. 83843
Source: GROUNDWATER
Date Filed: 11/30/1983
Diversion Pt: NESE Sec 16 T 39N R
05W

Use: STOCKWATER (0.02 CFS)
DOMESTIC (0.06 CFS)
In: NESE Sec 16 T 39N R 05W

The permit(s) will be subject to all
prior water rights. Protests must be
filed with the Director, Dept. of Water
Resources, 4055 Gov't. Way, Coeur
d'Alene, Id. 83814 on or before DE-
CEMBER 26, 1983.

KEN DUNN, Dir.

Published 12/8 & 12/15/83.

Department of Water Resources
Northern District Office

June 24, 1987

RUSSELL F. CRATHORNE
3154 TOMER ST.
MOSCOW, ID 83843

RE: Permit No. 87-7114

Dear Permit Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

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JUL 10 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

2

87-7114

Permit No.

1. **Measurement Calculations**

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

Exam. Est CAP AS 0.08 cfs

- b) Volume Calculations for Irrigation:

$$\begin{aligned} V_{I.R.} &= (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}} \\ V_{D.R.} &= [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}} \\ V &= \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}} \end{aligned}$$

- c) Volume Calculations for Other Uses:

$$\begin{aligned} Dom &= 2(1.2) = 2.4 \\ Stock &= \text{Horses \& cows } \boxed{4} \times 12 = 48 \text{ GPD} \times 365 = 17520 \\ CHICKENS &\frac{\boxed{40}}{x} \frac{100}{10} = x = 4 \text{ GPD} \times 365 = +1460 \\ &\frac{18980}{325,850} = .06 \text{ OK } \underline{1} \text{ AFA} \end{aligned}$$

2. **Overlap Review**

- a) Other water rights with same place of use: _____

- b) Other water rights with same point of diversion: _____

- c) Analysis:

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RECOMMENDED AMOUNTS

Permit No.	Priority	Amount	App. Date	Date Proof Submitted	System Capacity
------------	----------	--------	-----------	----------------------	-----------------

3. Permit Holder: Russell F. Crathorne

4. Address: 3154 Turner St. - Moscow, Id. 83843

5. Source: Groundwater tributary to _____

6. Beneficial Use _____

Period of Use	Rate of Diversion	Annual Volume
Domestic	0.06	2.4
Stockwater	0.02	0.1

Allowable Maximums:	0.08	2.5
---------------------	------	-----

7. Point(s) of Diversion:

No.	Govt. Lot	%	%	%	Sec.	Twp.	Rge.	County
								LATAH

Place(s) of Use									
8.									
Twp.	Rge.	Sec.	NE 1/4						
			NE 1/4	SE 1/4	NW 1/4	SW 1/4	NE 1/4	SE 1/4	SW 1/4
39 N	5 W	16							
Totals									

9. Recommended Conditions/Remarks: D/A

10. Recommended Amendments

11. Examiner's Signature _____

Checked in Regional Office by _____

Approved in State Office by Ron Houston

Date 5-20-87

Date _____

Date _____

☐ 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 _____

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JUL 10 1987

OK 6.3. 6/15/87

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SEP 4 1934

Department of Water Resources

Permit No. 87-7114

Phone No. 882-4302

1. Owner: Russell F Crathorne
Current Address: 3154 Tanager St

2. Accompanied by: _____ EXAM. DATE: 6/4/84
Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: Groundwater tributary to _____

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	J/K				Submersible

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

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

Well, pump and pipeline to two homes and stock water

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

7. Measurements ☐ Additional data/computation sheets attached

2 homes = 0.06 cfs Vol = (1.2)(2) = 2.4 AFA
Stock water for less than 50 head = 0.02 cfs, Vol =

8. Point(s) of Diversion:	Indicate Method of Determination
---------------------------	----------------------------------

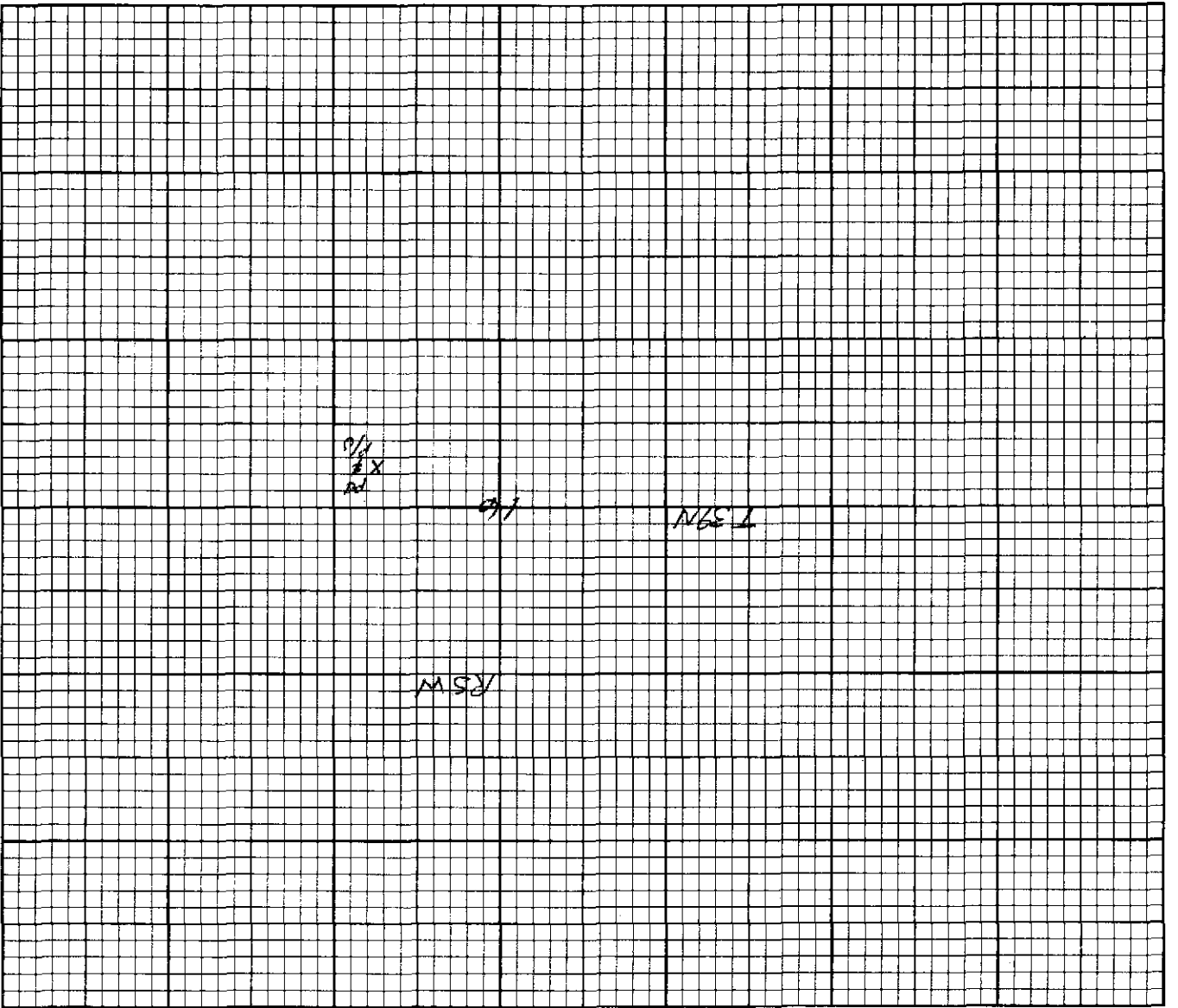
[illegible]

9.	Place(s) of Use:	Irrigation - give acres served by system at time of exam. 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	
39N	5W	16													X				
Total Acres _____																			

Total Acres

10. Other water rights on these lands None
11. Other water right diverted from same p.d. None
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.



13. ☐ Photo of Diversion & System Attached
- ☐ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached

14. Remarks

15. Recommended Amendments
- ☐ Change P.D. as reflected above
- ☐ Add P.D. as reflected above
- ☐ Change P.U. as reflected above
- ☐ Add P.U. as reflected above
16. Examiners/Consultant's Signature James Bond Date 6/11/84
- Consultant's License Number _____
- IDWR Director's Authorization to Conduct _____
- Beneficial Use Examination _____
- Date _____

CONSULTANT SEAL

State of Idaho
DEPARTMENT OF WATER RESOURCES
WATER RIGHT BENEFICIAL USE FIELD REPORT

87-7114
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 _____ Accompanied by _____ Total Q measured _____
Source _____ Tributary to _____ Supp. annubar measurement sheet used? _____
If source is surface water, estimate total flow of source _____
Methods of measurement _____ Meets permit requirements? _____

Measurement calculations: _____

WELL/DIV. NO.	HP	MOTOR MAKE	MOTOR SERIAL NO.	PUMP MAKE	PUMP SERIAL NO.	MEASURING DEVICE TYPE	CONDITION OF MEAS. DEVICE	REMARKS

System Description _____

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

RECOMMENDED AMOUNTS

USE	Irrigation requirement = _____ AFA/Acre			
	Q (cfs)	V (afa)	FROM	TO
Domestic	0.06	2.4	1/1	12-31
Stock	0.02		1/1	12-31
Total	0.08			

Remarks _____
RECEIVED
JUL 10 1987

JUL 1 0 1961

RECORDED

Date
Date
Date

42/12/2

Examiner's S
Checked by
Approved by

Examiner's Signature _____

Bob Rayner

Recommended Amendments:

- ☐ Change P.D. as reflected above
- ☐ Change P.U. as reflected above

☐ Add P.D. as reflected above

☐ Add P.U. as reflected above

☐ None

☐ Other

[illegible]

Place(s) of Use

Point(s) of diversion:

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

SCHEMATIC DIAGRAM OF SYSTEM

[illegible]

MAP (Attach Aerial Photo)

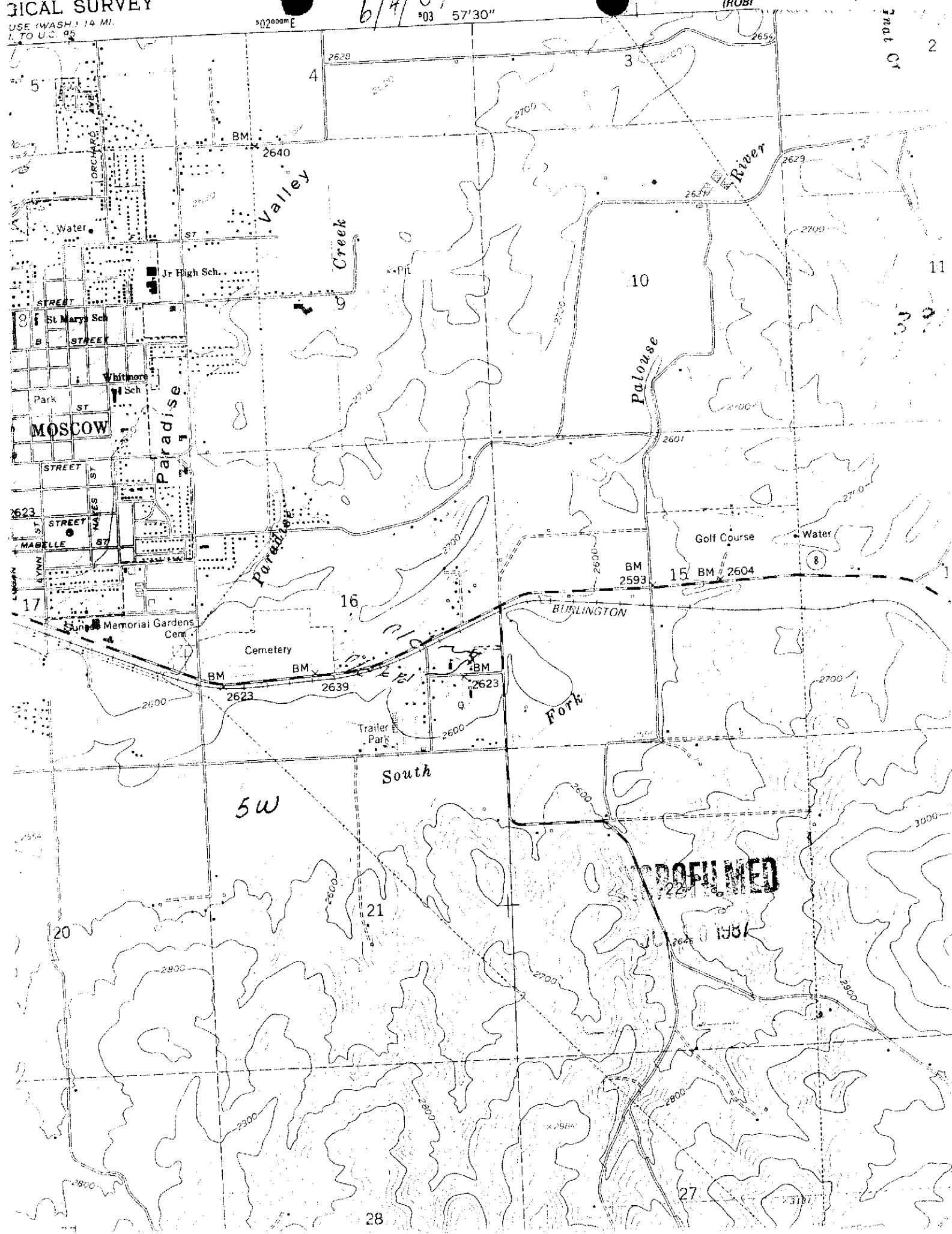
USE (WASH.) 14 ML.
1. TO U.S. 95

6/4/84
503

503 57'30"

PROB

87-7114



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Northern Region

JOHN V. EVANS
Governor
A. KENNETH DUNN
Director

4055 Government Way
Coeur d'Alene, ID 83814
(208) 667-6484

APRIL 24, 1984

RUSSELL F. CRATHORNE
3154 TOMER ST.
MOSCOW ID 83843

RE: Permit No. 87-7114

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit.

Before a Water Right License can be issued, a field examination must be made by a representative of this department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 667-6484 or in person at our office.

Sincerely,

/s/
TOM D. KING
Senior Water Resource Agent

cc: IDWR - State Office

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JUL 10 1987

DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources will consider this card as a statement that the permit holder(s) has completed development to the extent shown below of Permit No. 87-7114.

Name(s) of Permit Holder: Russell F. Crathorne

Post Office Address: 3154 Tomer St.

MOSCOW ID 83843 Tel. No. 882-4302

Source of Water: Groundwater

Extent of Use: ☒ Domestic 2 (number of households)
☒ Stockwater 4 horse & (number and type of stock)
☐ Irrigation 40 chickens (acres)
☐ Other _____

Measuring Device: Required? ☐ Yes ☒ No Installed? ☐ Yes ☒ No
 Access Point: Required? ☐ Yes ☒ No Installed? ☐ Yes ☒ No

The above information is a true statement of the extent to which the above numbered permit has been developed.

 Date Signature of Permit Holder R. F. Crathorne

PLACE
13 CENT
STAMP
HERE

RECEIVED



NOV 30 1987

NOV 30 1987 IDAHO DEPARTMENT OF WATER RESOURCES

STATEHOUSE

Department of Water Resources
Northern District Office
BOISE, IDAHO 83720

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

CRATHORNE, RUSSELL F.
3154 TOMER ST.
MOSCOW, ID 83843

MARCH 28, 1984

RE: PERMIT NO. 87-7114

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

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State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: PK

APPLICATION NUMBER: 87-7114

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area.
☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☐ No* In form to receipt.

Field check by: _____

Date: _____

Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: _____

Date: _____

PROCESSING:

- ☐ Yes ☐ No Platted by: _____ Map No. _____
☐ Yes ☐ No Other rights on same place of use. _____
☒ Yes ☐ No* In form for advertising.
Final date for protests: 12/24/83
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 12/22/83
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☐ Yes ☒ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? _____
☒ 11/30/83 Date of priority recommended.
Special conditions of approval or cover letter. _____

By: PK

Date: 1/6/84

STATE OFFICE REVIEW:

- ☐ See attached sheet for more information.

By: KW

Date: 1/12/84

POINT OF DIVERSION AND STREAM INDEX INFORMATION

TRACT	SEC	TWP	RGE	gov't lot	rediv. (R)	REACH
-------	-----	-----	-----	--------------	---------------	-------

TRACT	SEC	TWP	RGE	gov't lot	rediv. (R)	REACH
-------	-----	-----	-----	--------------	---------------	-------

TRACT	SEC	TWP	RGE	gov't lot	rediv. (R)	REACH
-------	-----	-----	-----	--------------	---------------	-------

TRACT	SEC	TWP	RGE	gov't lot	rediv. (R)	REACH
-------	-----	-----	-----	--------------	---------------	-------

TRACT	SEC	TWP	RGE	gov't lot	rediv. (R)	REACH
-------	-----	-----	-----	--------------	---------------	-------

87-7114

CRATHORNE, RUSSELL F.

3154 TOMER ST., MOSCOW, ID 83843

Source: GROUNDWATER

Date Filed: 11/30/1983

Diversion Pt: NESE Sec 16 T 39N R 05W

Use: STOCKWATER	(0.02 CFS)
DOMESTIC	(0.06 CFS)

In: NESE Sec 16 T 39N R 05W

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WATER RIGHT
DATA ENTRY LOG

[illegible]