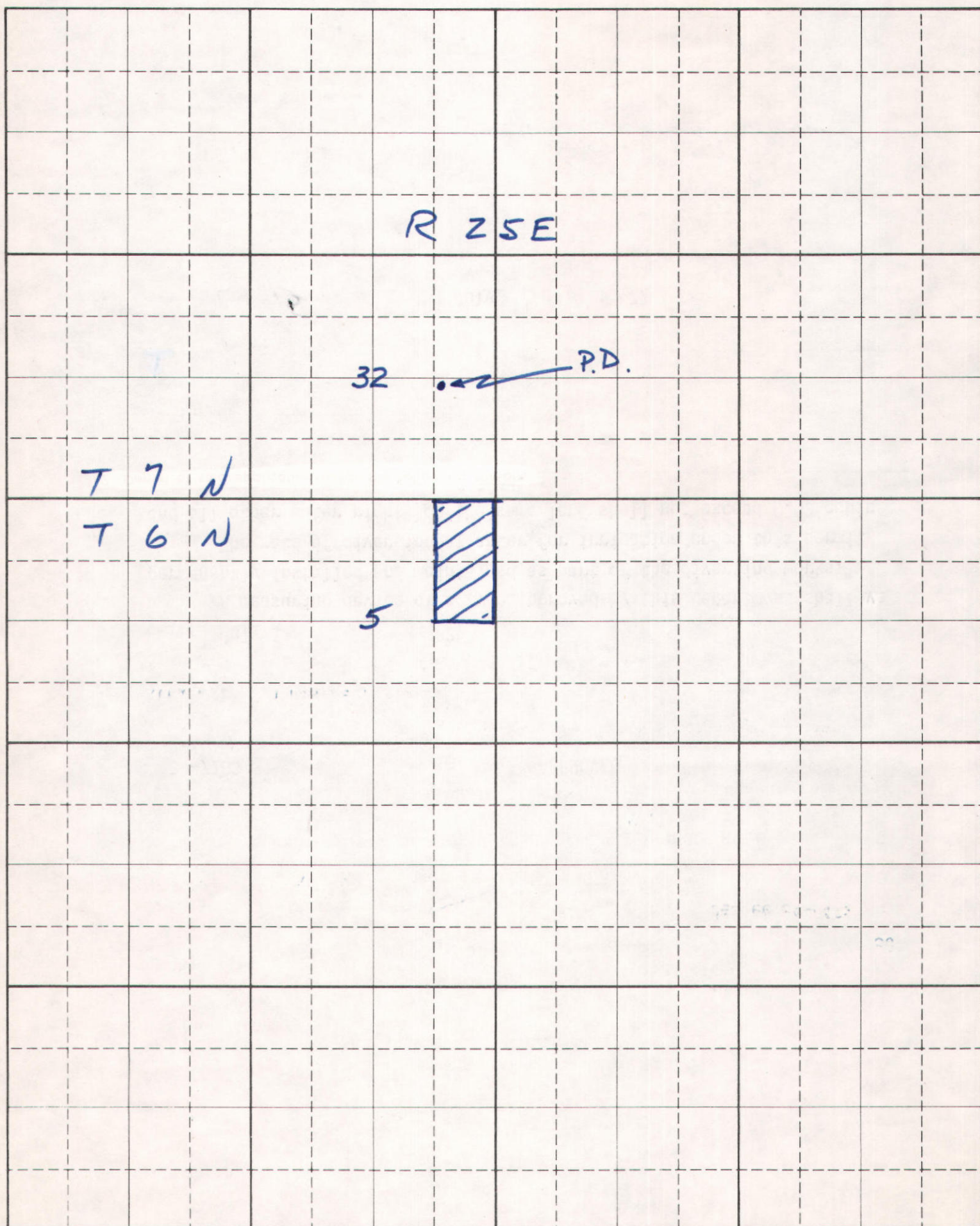


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

Maurice H. Anderson
(Applicant)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JAN 20 1989
Department of Water Resources

A. GENERAL INFORMATION

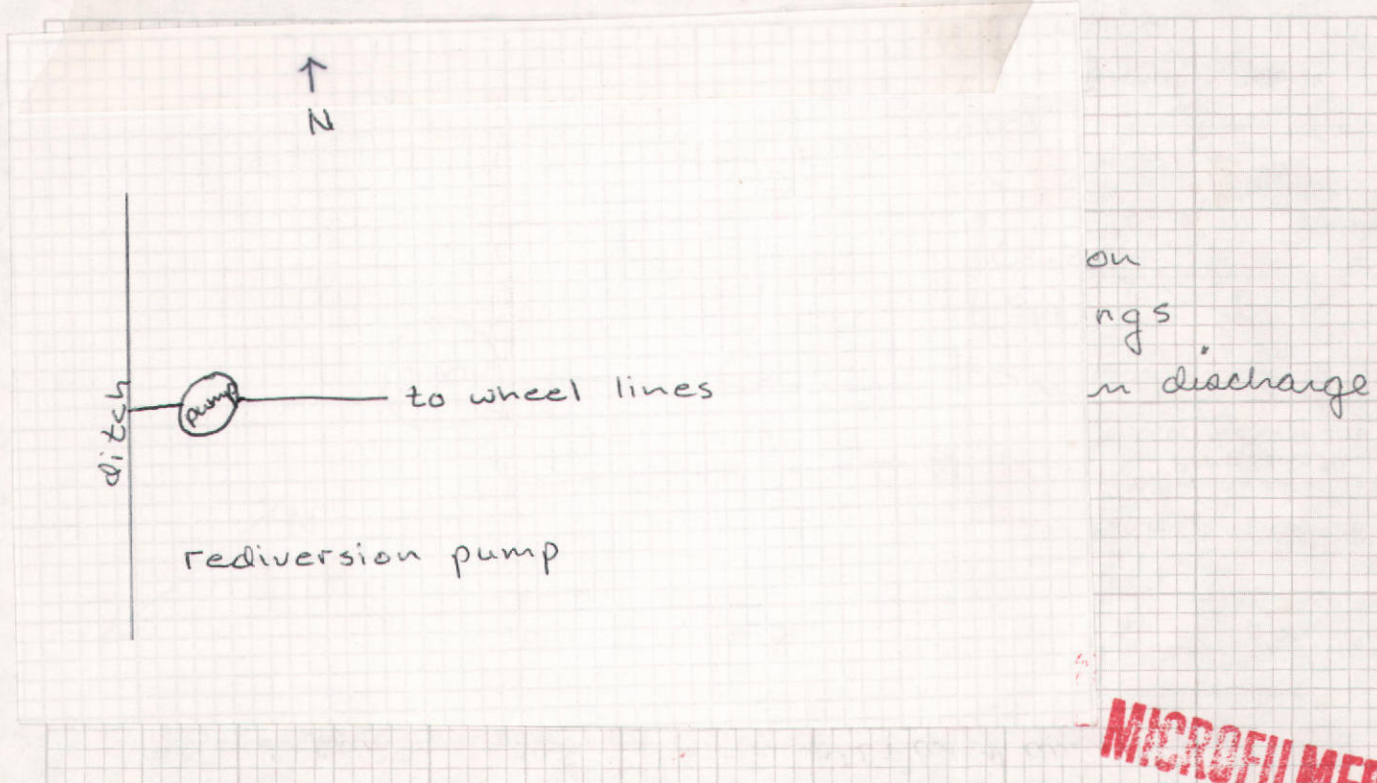
1. Owner: Maurice H Anderson Permit No. 34-7183
Current Address: Box 131 Arco, ID 83213 Phone No. 527-3900
2. Accompanied by: Bruce Warner EXAM. DATE: 7/20/87
Address: PO Box 506 Mackay Phone No. 588-2565
Relationship to Permit Holder: leases farm
3. Source: groundwater tributary to N/A

B. OVERLAP REVIEW

1. Other water rights with same place of use: Irrigation District 80"
storage rights ☐ Copies Attached
2. Other water rights with same point of diversion: yes-see comments
☐ 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

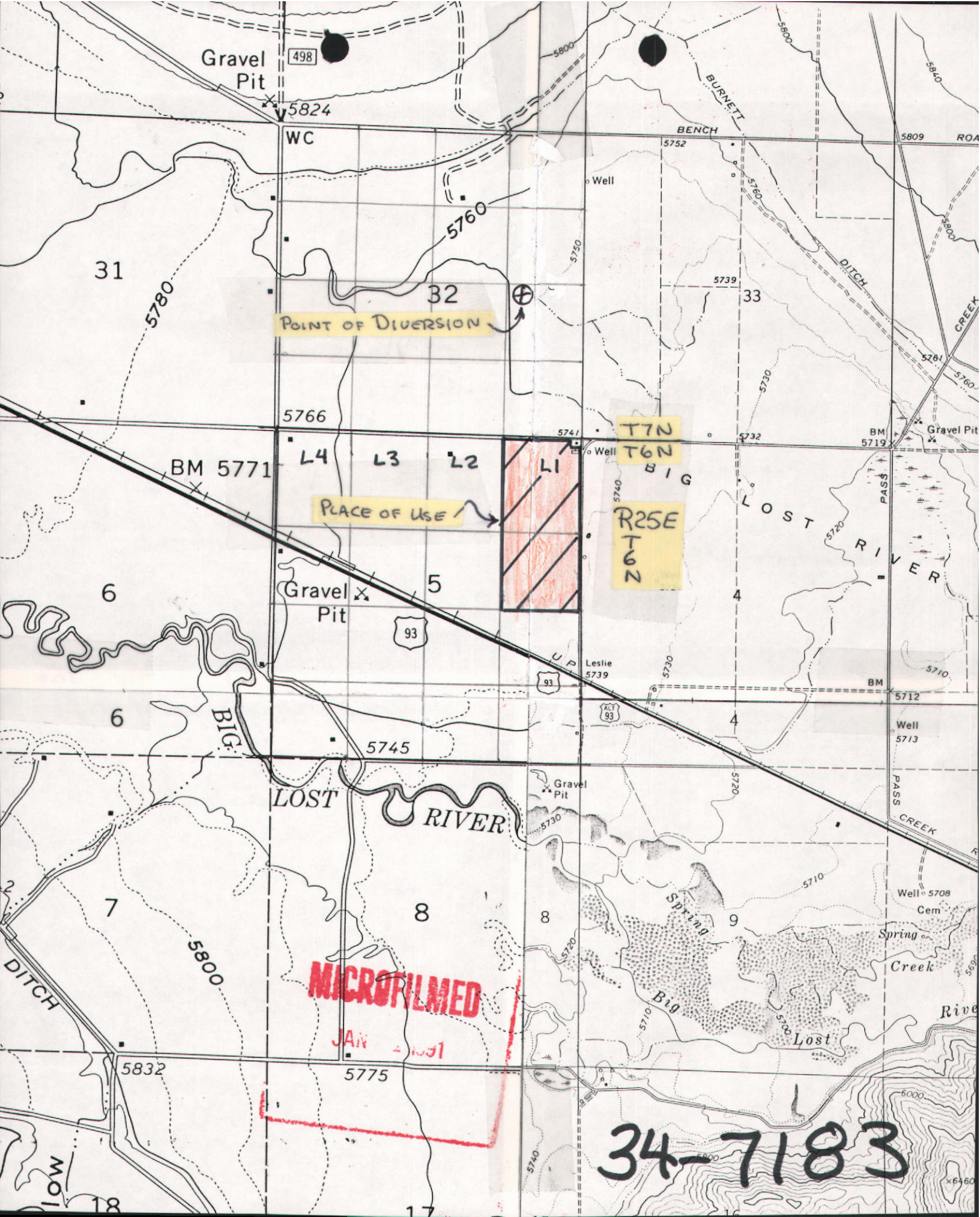


Scale: 1" = No Scale

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).

MICROFILMED

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Gravel Pit

498

5824

WC

BENCH

5752

Well

31

32

33

POINT OF DIVERSION

5766

L4

L3

L2

L1

PLACE OF USE

T7N
T6N
BIG
R25E
T6N

BM 5771

Gravel Pit

5

93

Well

Leslie 5739

93

ALT 93

6

6

BIG

5745

LOST RIVER

7

8

8

9

MICROFILMED

JAN 1951

5832

5775

34-7183

Well 5708

Cem

Spring on Creek

Rive

Lost

6000

x660



D.R. LORD
3.6
8.1

34.0

A-134
B. PEHRSON

PD
31.7

k 28.6

32
5

A-164
C.M. BURGESS

d 1.5
e 16.2

A-165
B. YANCEY 7.9

d 4.7
e 11.6

f 8.1
g 3.3
h 8.3

j 8.6
k 7.7

f 5.2

-2
D.W. 3.1

8.4

1.4

3.7

Barley 25.2

A-411
D. SAYER 8.9

T7N

A-163
O. J. ADAMS

Lot 2

11.0

e 16.3

f 10.1

g 10.8

h 8.1

37.3

A-284
C.G. LANDON 20.2

37.3

10.4

2.0

e 26.1

10.4

10.4

10.4

10.4

10.4

T6N

A-333
M.H. ANDERSON
LOT 1

41ac

PU

Rediversion
POINT

39ac

PU

39ac

PU

39ac

PU

39ac

PU

39ac

PU

39ac

PU

39ac

PU

39ac

R25E

32 33

5 4

A-18
SAN FEL
RANCH

c 79.0

A-159
H B RAN

e 37.3

T
6
N

R25E

A-160
D.V. COBU

a 12.3

b 19.5

4

4

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JAN 14 1991

34-7183

34-7183

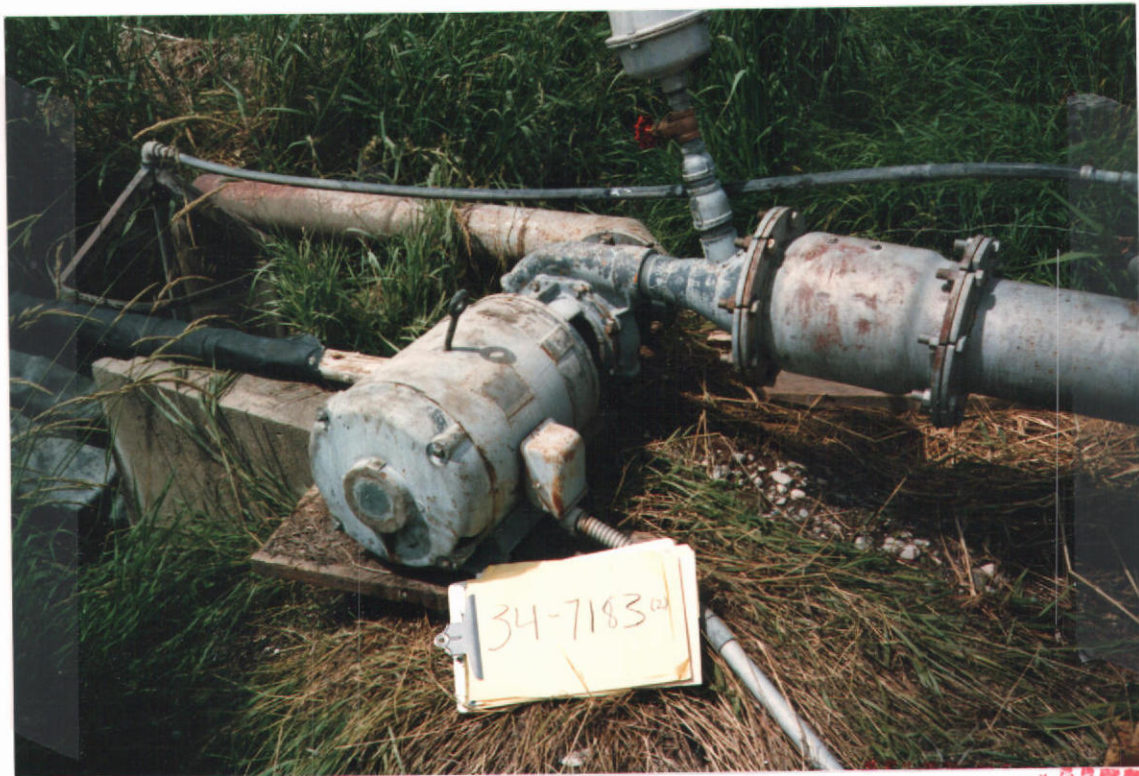


diversion and open discharge

UNRECORDED

JAN 04 1991

34-7183



rediversion pump

microFILMED

JAN 14 1991

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 34-07183

Priority: April 25, 1977

Maximum Diversion Rate: 0.74 CFS
Maximum Diversion Volume:¹ 240.0 AF

This is to certify, that MAURICE H. ANDERSON

P.O. BOX 131
ARCO, ID 83213

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 25, 1977; and has submitted Proof of Beneficial Use on June 25, 1982. An examination indicates that the works have a diversion capacity of 5.100 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 11/01	0.74 CFS	240.0 AF

LOCATION OF POINT(S) OF DIVERSION: NESE , Sec. 32, Township 07N, Range 25E
CUSTER 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>
06N	25E	5	LOT 1(NENE) 41	SENE 39		80
Total number of acres irrigated:						80

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. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.0 afa per acre for the lands above.

MICROFILMED

JAN 64 1991

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 34-07183

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 20th
day of December, 1990.

Acting for

R. Glen Sayton
R. Keith Higginson, Director

MICROFILMED

JAN 04 1991

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF CHANGING THE MEASURING
DEVICE REQUIREMENT FOR PERMIT NO. 34-7183

ORDER

WHEREAS, the above numbered permit was approved with the condition that a measuring device of a type approved by the Department be permanently installed and maintained as part of the diverting works; and,

WHEREAS, on July 1, 1978, the Department adopted a new water measurement condition which states: "An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department"; and,

WHEREAS, the former condition required the permit holder to purchase and install a measuring device or hire a professional engineer to certify the rate of diversion; and,

WHEREAS, the measuring device condition effective July 1, 1978, requires less capital expenditure by the permit holder; and,

WHEREAS, to be equitable to holders of permits issued prior to July 1, 1978, the new condition should be retroactive;

NOW THEREFORE, it is hereby ordered that the condition of approval of this permit related to water measurement is hereby changed as follows:

"The permit holder shall either install a measuring device or provide a certified measurement by a professional engineer or install an access port or other device as specified by the Department".

Dated this 1st day of June 1981.

MAILED
JAN 6 1991

Glen Saxton

GLEN SAXTON
Chief, Operations Bureau

Identification No. 34 7183
Application No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT **APPROVED**

To Appropriate the Public Waters of the State of Idaho
(TYPE OR PRINT IN INK)

- 1 Name of applicant Maurice H. Anderson Phone: 527-3900
post office address Box 131, Arco, ID 83213
- 2 Source of water supply ground water which is a tributary of _____
- 3 a Location of point of diversion is NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 32 Township 7N
Range 25E B.M. Custer County; additional points of diversion if any _____
- b If water is not consumed, it will be discharged into _____ at a point in _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
- 4 Water will be used for the following purposes:
Amount 1.60 for irrigation purpose from Apr. 1 to Nov. 1 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
- 5 Total quantity to be appropriated
a 1.60 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 and ditches
- b Height of storage dam _____ feet, active reservoir capacity _____ acre feet; total reservoir capacity _____ acre feet, materials used in storage dam _____
Period of year during which storage will occur _____ to _____ inclusive
(Mo Day) (Mo Day)
- c Proposed well diameter is 16 inches; proposed depth of well is 135 feet
- 7 a Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years
b Estimated construction cost is \$ existing works
- 8 Description of proposed uses
a If water is **not** for irrigation
(1) Give the place of use of water _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M. _____
(2) Amount of power to be generated _____ hp under _____ feet of head
(3) List number of each kind of livestock to be watered _____
(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____
(5) If water is to be used for other purposes describe _____

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MAY 1 1964
IDAHO DEPT. OF WATER RESOURCES

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

[illegible]

Total number of acres to be irrigated_____80

c. Describe any other water rights used for the same purposes as described above decree 34-0492
and storage water from Mackay Reservoir

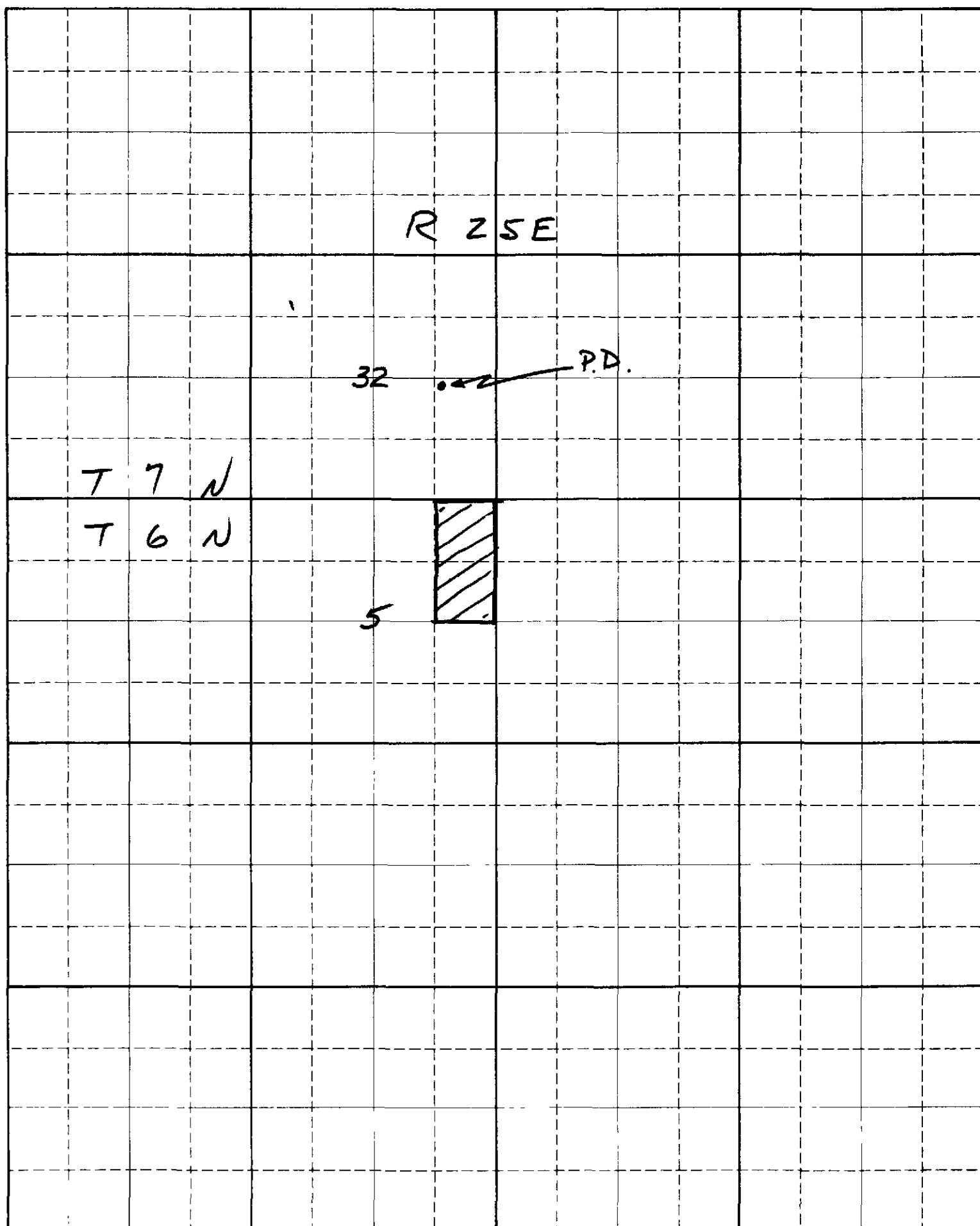
9 a. Who owns the property at the point of diversion Vernon E. Warner

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 applicant has an agreement with Mr. Warner to file on the extra water in his well located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 32, T. 7N, R. 25E

10 Remarks

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

Maurice H. Anderson
(Applicant)

Proposed Priority 4/25/77

Received by CW Date 4-25-77 Time 2:20 p

Preliminary check 729 Fee \$ 35.00

Receipted by CW Date 4-25-77 # 6560

Publication prepared by CW Date 4-29-77

Published in Charles Messenger

Publication dates May 5 + 12-1977

Publication approved He Date 5-19-77

Priority reduced to _____ Reason _____

Protests filed by _____

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by ig

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 34-7183, 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 July 1, 1982.

c. Other A measuring device of a type approved by this Department shall be permanently installed and maintained as part of the diverting works.

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.

Witness my hand this 15 day of July 19 77.


Deputy Director

RECORDED

AFFIDAVIT OF PUBLICATION

State of Idaho, County of Custer, ss:

I, MARGARET PARKS

Publisher of the Challis Messenger,
a weekly newspaper, published at
Challis, Idaho, do solemnly swear
that the notice hereto attached and
made a part hereof, was published
in the regular and entire issue of
the Challis Messenger for 2
consecutive weeks, commencing with
the issue dated MAY 5
1977 and ending with the issue
dated MAY 12, 1977.

Margaret Parks

Subscribed and sworn to before
me this 16 day of May
1977.

Notary Public, residing at Challis,
Idaho. My commission expires on

10-10-77

PAGE 7 — THE CHALLIS

NOTICE OF APPLICATION
FOR WATER PERMIT

Notice is hereby given that
Maurice H. Anderson, Arco, Idaho
has on 4-25-77 submitted Application
No. 34-7183 for a permit to
appropriate 1.60 cubic feet per
second of water from a ground-water
source by means of well and pump
within the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 32, T. 7N,
R. 25E, B.M., Custer County; to be
used from Apr. 1 to Nov. 1 for the
irrigation of 80 acres within the
E $\frac{1}{2}$ NE $\frac{1}{4}$, Sec. 5, T. 6N, R. 25E, B.M.

If issued, this permit will be
subject to all prior water rights.
Protests against the granting of the
permit must be filed with the Idaho
Department of Water Resources,
1515 Lincoln Road, Idaho Falls,
Idaho, 83401 on or before May 23,
1977.

C. STEPHEN ALLRED
Director

Published in the Challis
Messenger, Challis, Idaho on May 5
and May 12, 1977.

RECORDED

INTER-DEPARTMENT MEMO--1

FROM Scott King

DATE Feb 9, 96

TO File 34-07183, 34-02291A

SUBJECT Shared Well.

Although neither right specifically mentions shared ownership, per telephone conversation with Maurie Anderson, owner of 34-07183, water right 34-02291A (recently purchased by Vernon Woodbury) is diverted from the same well. WR # 34-02352 (Colson) is a separate well, not shared with ~~the~~ others

CC: Carter Fitchle - Adjudication

Scott King
SIGNATURE

MAURICE H. ANDERSON
P.O. BOX 131
ARCO, ID 83213

December 21, 1990

RE: WATER RIGHT NO. 34-07183

Dear Water Right 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:blm

Enclosure

MICROFILMED

JAN 04 1991

February 8, 1990

MAURICE H. ANDERSON
P.O. BOX 131
ARCO, ID 83213

RE: PERMIT NO. 34-07183

Dear Permit Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

MICROFILMED

JAN 14 1991

MEMORANDUM

TO:FILE 34-7183

FROM:ROXANNE MCCARTHY

RE: CHANGE TO FIELD EXAM RECOMMENDATION

DATE: 25-JAN-1990

=====

The rediversion rate at the time of exam was found to be 0.74 cfs and this is the amount of water being put to beneficial use under this right. The system capacity reflects the groundwater flow from the source: 5.1 cfs.

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JAN 64 1991

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

34-7183
Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

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

- ☒ Blank Field Report Form
☒ Copy of Permit
☒ Copies of any Amendments/Orders with conditions of approval
☒ 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 ES 3/25/87 (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: 34-2411(L); 34-2291(L); 34-2352
Check of P/U index ES 3/25/87 (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: Big Lost River Water
Aerial Photo
Required? ☒ yes ☐ no If yes: ☒ copy attached?
Scheduling Letter sent? 7/17/1984 (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.

Bruce Warner
583-2565
land place

C. Review and Processing:

Exam Completed 7/20/87 Carol Slaughterbush (Signature of examiner and date)
Exam Reviewed by Senior Water Resource Agent KCW 7-20-88 (Initial and date)
Exam Reviewed by Manager of Regional Office SM 10-Jan-1989 (Initial and date)
Exam Date Entered in Computer _____ (Initial and date)
Exam sent to State Office _____ (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

JAN 20 1989

Department of Water Resources

A. GENERAL INFORMATION

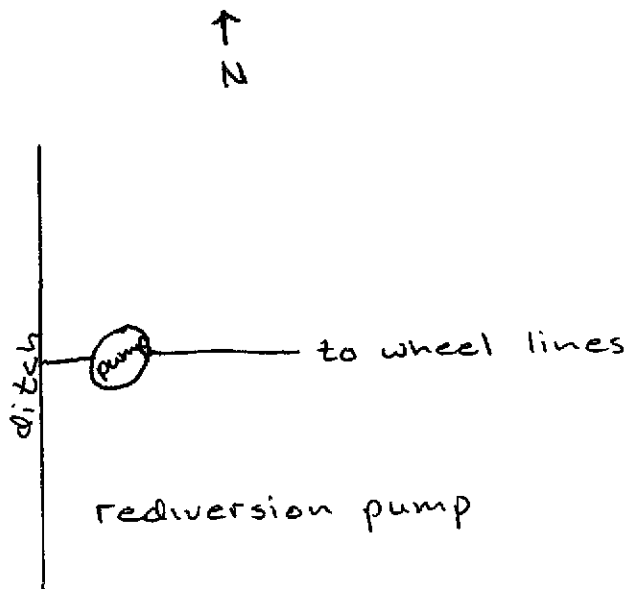
Permit No. 34-7183
Phone No. 527-3900
1. Owner: Maurice H Anderson
Current Address: Box 131 Arco, ID 83213
2. Accompanied by: Bruce Warner EXAM. DATE: 7/20/87
Address: PO Box 506 Mackay Phone No. 588-2565
Relationship to Permit Holder: leases farm
3. Source: groundwater tributary to N/A

B. OVERLAP REVIEW

1. Other water rights with same place of use: Irrigation District 80"
storage rights ☐ Copies Attached
2. Other water rights with same point of diversion: yes-see comments
☐ 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



on
ngs
in discharge

Scale: 1" = No Scale

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).

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System Description (continued)

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

2 1/4 mile wheel lines; 4" pipe 32 heads
swl = 22'
pump pumps from groundwater and discharges into ditch
pump 2 pumps from ditch to lines

☐ 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
1)	GE	40	FNT615308	Johnston	15713
2)	?	36	CO284TT		

*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			NE	SE	32	7N	2SE	Custer	USGS/aerial
2 (rediversion)	1		NE	NE	5	6N	2SE	Custer	USGS/aerial

6. Place(s) of Use:

Indicate Method of Determination USGS/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	
6N	2SE	5	39			41													80
			41			39													80

RECORDED

Do not use this space

JAN 14 1991

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Mcrometer Flow Gauge			4" #75			1984
HALL meter		HALLS			6"	
MANOMETER					57"	

2. Measurements:

2700 gpm
 (.001 acre-ft) 96.5 - 100.0 in 30 sec } measured on Pump 1
 REVERSION pump: main line I.d. = 7.75" O.d. = 8"
 main line pressure = 47 psi
 manometer reading = 14.8" - 17.2" = 2.4"

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

$$Q = 2700 \text{ gpm} \quad Q = 6 \text{ cfs}$$

$$Q = \frac{(1.0035) \text{ acre-ft}}{30 \text{ sec}} \left(\frac{43560}{1} \right) Q = 5.1 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

$$Q = \frac{40(8.814)(.8)}{22} \quad Q = 12.8 \text{ cfs}$$

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

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 80(3.0) = 240 \text{ a/a}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (5.1)(214)(1.9835) = 2165$$

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

2. Volume Calculations for Other Uses

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JAN 1 1991

H. REMARKS AND OVERLAP REVIEW ANALYSIS

It appears that 34-2291 and 34-2352 may refer to the same point of diversion. The flow measured is sufficient for this new amount.

Total Q 34-2291 (2.2 cfs) 34-2352 (0.7 cfs) $Q = 2.94$ plus 1.6 cfs = 4.54 cfs which is less than capacity $Q = 5.1$ cfs.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	4/1	11/1	1.6	240
Totals:			1.6 cfs	240 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 Carol Slaughterbeck

Signature Carol Slaughterbeck

Certification Date _____

Field Report Preparation Date 7/21/87

Steve McCormick
10-Jan-1989

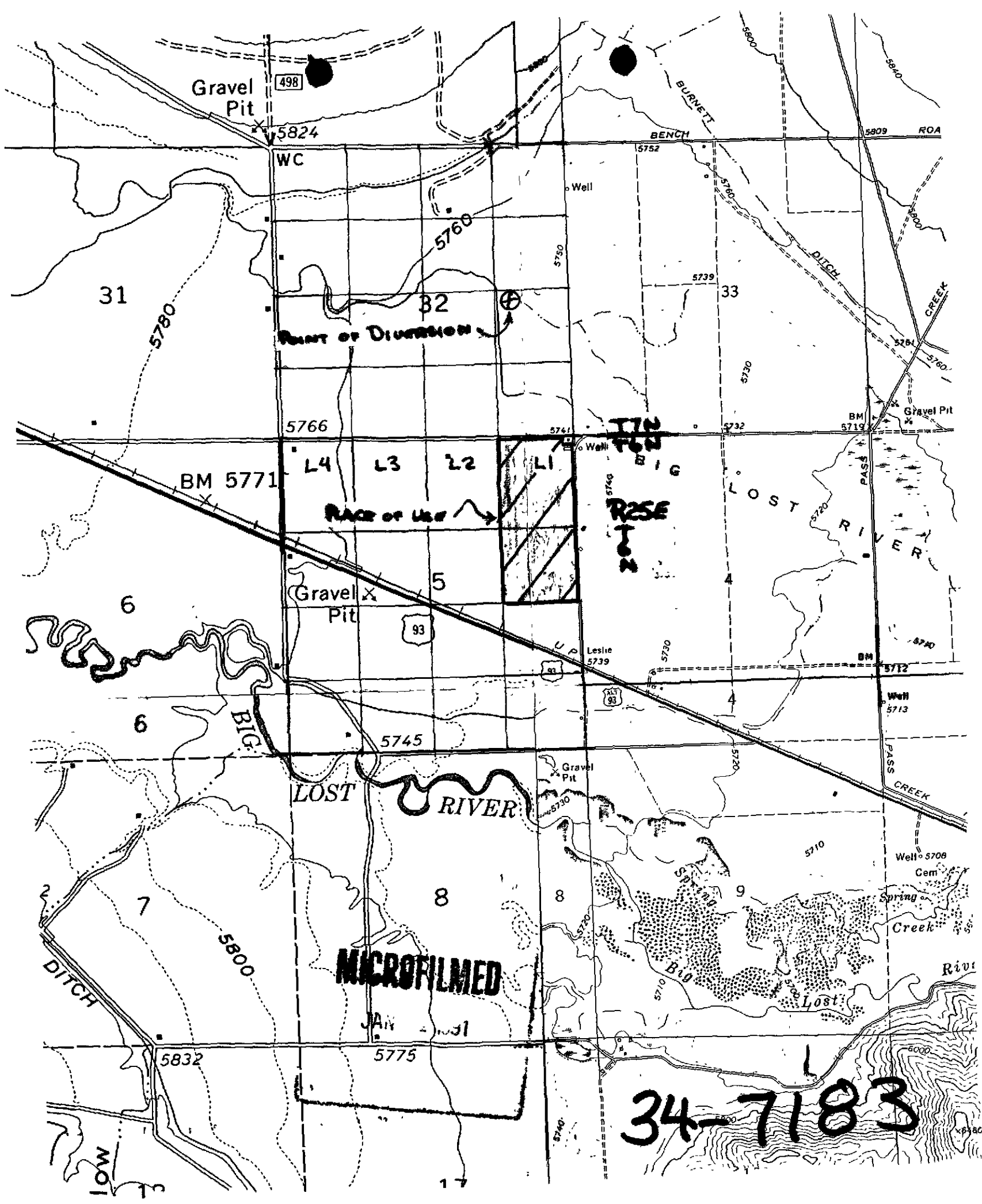
CONSULTANT SEAL

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

Jan 3/16/89

MICROFILMED

JAN 04 1991



34.0

PERSON

42.5

42.8

R25E

32.83

34.1

42.5

1
6
N

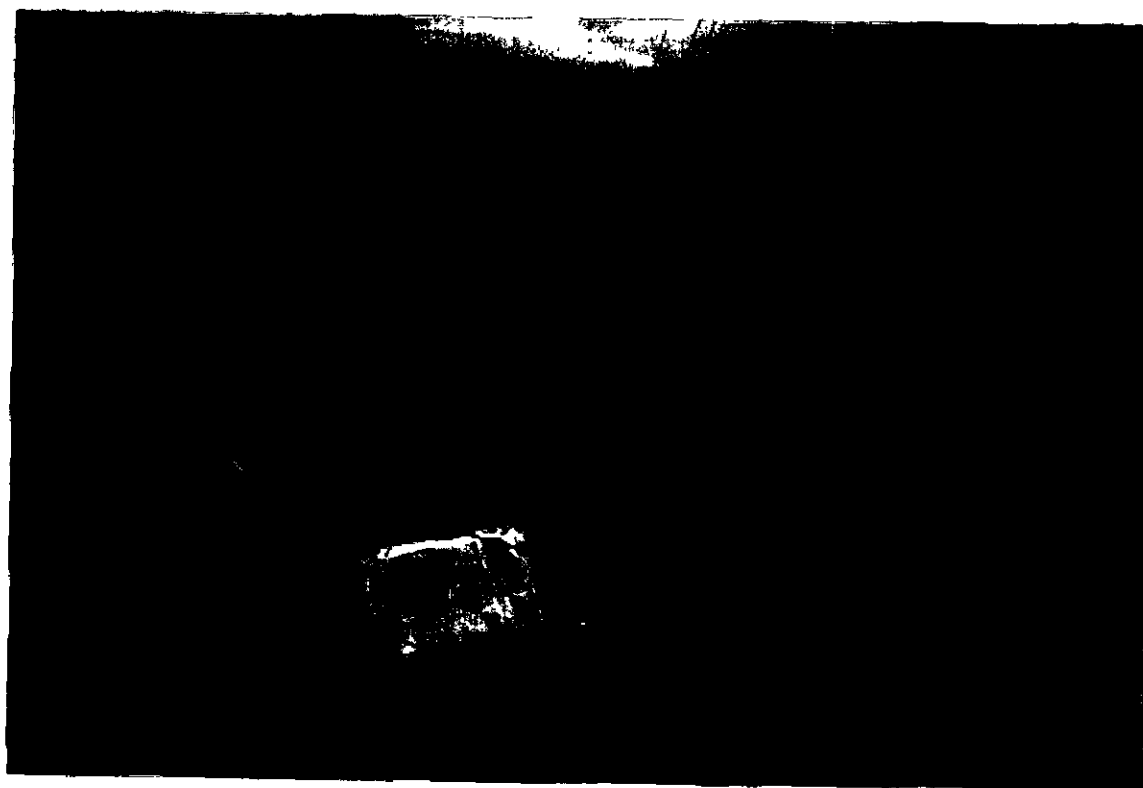
R25E

LANDON

24.1

2

34-7183

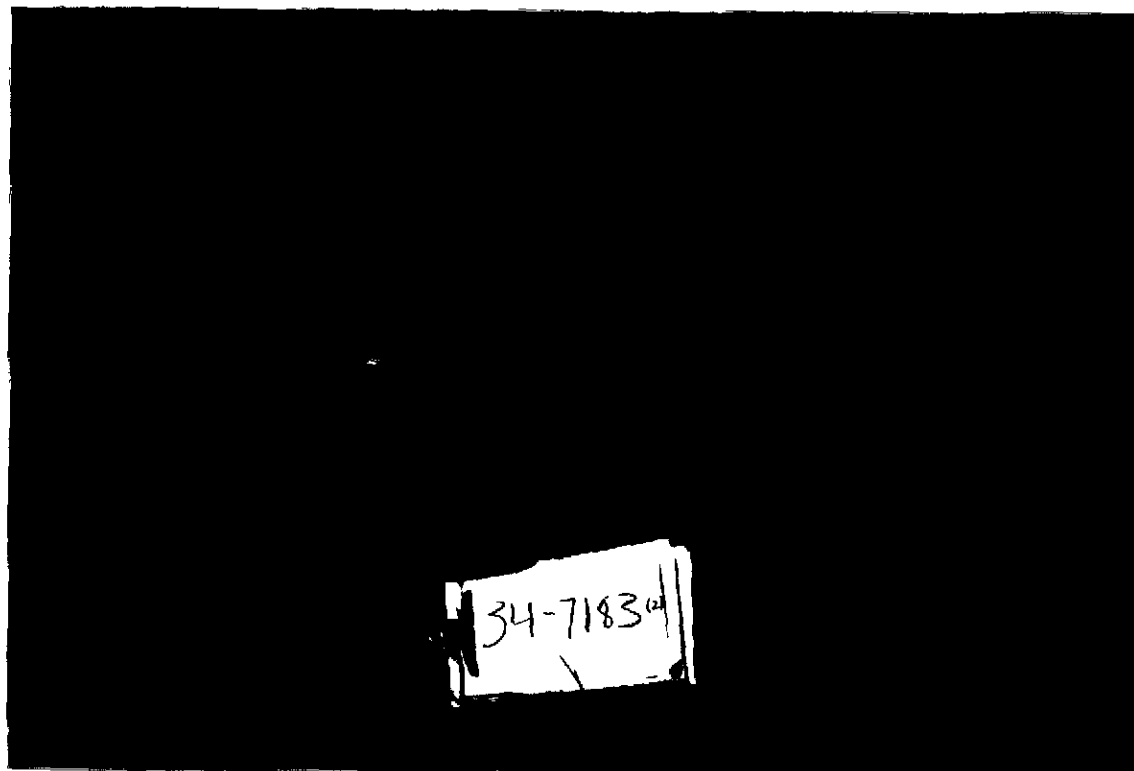
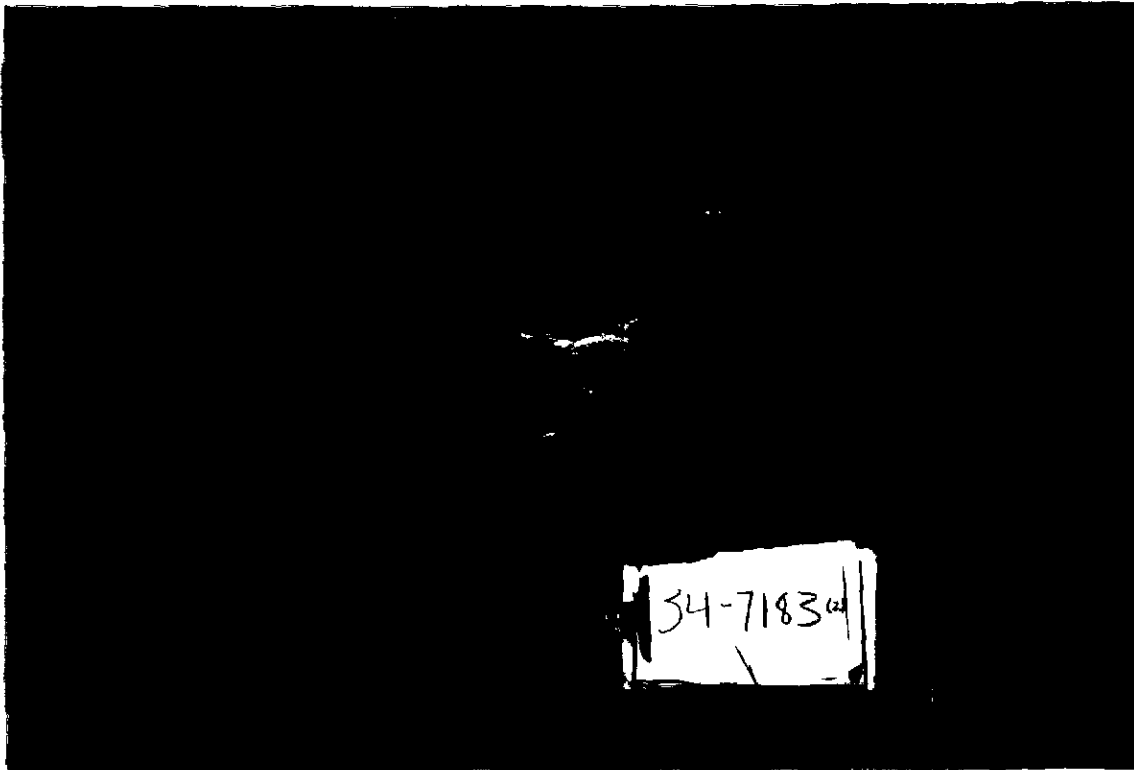


diversion and open discharge

JAN 04 1991

FILED

34-7183



rediversion pump

microFILMED

JAN 14 1991

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

34-7183
Permit No.

Measurement Calculations

Field Measurement Calculations (Include theoretical capacities and system capacity)

Halls Meter: $Q = (A)(V_h)$ $A = \text{Area} = \frac{\pi d^2}{4}$ $V_h = \text{Halls Manometer Reading}$

Rediversion pump

$Q_{\text{gpm}} = (A)(V_h) = \left[\frac{\pi d^2}{4} \right] (V_h) = \text{GPM} \div 448.8 \text{ gpm/cfs} = \text{CFS}$

$Q_{\text{cfs}} = \left[\frac{(3.1416)(7.75'')^2}{4} \right] \times \left[\frac{(\text{---})}{448.8} \right] = 0.74 \text{ cfs}$

TABLE 1

CHART TO CONVERT LINEAR INCHES DIFFERENTIAL
IN THE MANOMETER TO MANOMETER READING

$V_h = \text{HALLS Manometer Reading}$	DIFF. Inches of Water	$V_h = \text{HALLS Manometer Reading}$	DIFF. Inches of Water	$V_h = \text{HALLS Manometer Reading}$	DIFF. Inches of Water
1	.140	17	12.425	33	43.950
1.5	.240	17.5	13.132	33.5	45.200
2	.350	18	13.848	34	46.500
2.5	.470	18.5	14.582	34.5	47.850
3	.600	19	15.336	35	49.200
3.5	.750	19.5	16.108	35.5	50.550
4	.903	20	16.898	36	51.900
4.5	1.080	20.5	17.707	36.5	53.250
5	1.283	21	18.534	37	54.600
5.5	1.540	21.5	19.380	37.5	56.000
6	1.803	22	20.246	38	57.35
6.5	2.094	22.5	21.129	38.5	58.7
7	2.397	23	22.031	39	60.05
7.5	2.722	23.5	22.951	39.5	61.4
8	3.066	24	23.891	40	62.75
8.5	3.428	24.5	24.849	40.5	64.1
9	3.810	25	25.825	41	65.45
9.5	4.210	25.5	26.820	41.5	66.8
10	4.627	26	27.834	42	68.15
10.5	5.063	26.5	28.866	42.5	69.5
11	5.520	27	29.917	43	70.85
11.5	5.994	27.5	30.987	43.5	72.2
12	6.486	28	32.075	44	73.55
12.5	6.997	28.5	33.181	44.5	74.9
13	7.526	29	34.307	45	76.25
13.5	8.074	29.5	35.681	45.5	77.6
14	8.642	30	36.880	46	78.95
14.5	9.228	30.5	37.750	46.5	80.3
15	9.832	31	38.960	47	81.65
15.5	10.454	31.5	40.200	47.5	83.00
16	11.096	32	41.450	48	84.35
16.5	11.756	32.5	42.800		

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Annubar:

B = Difference in inches of water

C = Annubar Factor: Model 75 = -3.85
Model 73 = 4.14

$Q_{\text{cfs}} = \left[\frac{(C)(id)^2 \sqrt{B}}{448.8} \right] K = \text{CFS}$

$Q_{\text{cfs}} = \left[\frac{(\text{---})(\text{---})^2 \sqrt{\text{---}}}{448.8} \right] (\text{---}) =$

$Q_{\text{cfs}} = \text{---} \text{ cfs}$

K = Flow Correction Factor

= 1 for Manometer

= # From Calibration Chart

C=Correction Factor

6" -----3.75

7.98"-----3.87

10"-----3.94

12"-----3.99

14"/16"-----4.01

18"/24"-----4.02

30" -----4.03

JAN 04 1991

4/86

For Office Use Only
Fee Received \$125.00
Date 9-23-86
Receipt # 39894
Receipt by WID
Sent to S.O. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EXAMINATION FEE INFORMATION

RECEIVED

OCT 2 1986

1. Permit No. 34-7183

ONE OF THE FOLLOWING BOXES SHOULD BE MARKED TO DESIGNATE YOUR CHOICE:

Department of Water Resources

☒ I choose to have the department make the field examination of this permit; attached is the examination fee. (If this box is marked, complete items 1 thru 8.)

2. Permit Holder: MAURICE H. ANDERSON

3. Post Office Address: Box 131, ARCO, Id. 83213

Telephone No. 527-3900

4. Source of Water: GROUND WATER

5. Extent of Use:

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

Irrigation 80 (acres) Other/Remark _____

6. Total rate &/or volume for which proof is submitted 1.6 cfs _____ acre-feet

7. Show the date water was first diverted and beneficially used under this permit:

1977

8. Person to contact to accompany the department representative during the field examination:

BRUCE WARNER (Name) **RECEIVED** JAN 14 1991

MacKay, Idaho (Address) 588-2565 (Telephone Number)

☐ I choose to have the field examination conducted by a certified water right examiner. Attached is a statement from the certified examiner I have selected verifying that he has been retained to conduct the examination. (If this box is marked, complete items 1 thru 7.)

Sept. 22, 1986
Date

Maurice H. Anderson, Owner
Signature of Permit Holder (and title, if appropriate)

copy retained

State of Idaho
Department of Water Resources

LICENSE EXAMINATION FEE SCHEDULE

(c.f.s. = cubic feet per second
AF = acre feet)

cfs	AF	Fee
0 - 0.04	0 - 4	\$ 0
.05 - 0.20	5 - 20	50.00
.21 - 1.0	21 - 100	100.00
1.01 - 2.0	101 - 200	<u>125.00</u>
2.01 - 3.0	201 - 300	150.00
3.01 - 4.0	301 - 400	175.00
4.01 - 5.0	401 - 500	200.00
5.01 - 6.0	501 - 600	225.00
6.01 - 7.0	601 - 700	250.00
7.01 - 8.0	701 - 800	275.00
8.01 - 9.0	801 - 900	300.00
9.01 - 10.0	901 - 1000	325.00
10.01 - 11.0	1001 - 1100	350.00
11.01 - 12.0	1101 - 1200	375.00
12.01 - 13.0	1201 - 1300	400.00
13.01 - 14.0	1301 - 1400	425.00
14.01 - 15.0	1401 - 1500	450.00
15.01 - 16.0	1501 - 1600	475.00
16.01 - 17.0	1601 - 1700	500.00
17.01 - 18.0	1701 - 1800	525.00
18.01 - 19.0	1801 - 1900	550.00
19.01 - 20.0	1901 - 2000	575.00
20.01 & over	2001 & over	600.00

Checks should be made payable to the
Department of Water Resources

No fee is required for single family
domestic use or stockwater use.



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS

Governor

A. KENNETH DUNN

Director

34-7183
ANDERSON, MAURICE H.
P.O. BOX 131
ARCO, ID 83213

Mailing address:
Statehouse
Boise, Idaho 83720

0013479

JUL 30 1986

EXAMINATION FEE NOTICE

Dear Permit Holder:

Department records show that proof of beneficial use has been submitted for the above-referenced permit, but that a field examination has not yet been conducted to determine the extent of beneficial use of the water for licensing purposes.

House Bill 671 (effective April 4, 1986) enacted by the 1986 Idaho Legislature requires the payment of a fee before this department can conduct the field examination needed to issue a license confirming use of water under the permit. This letter is notification that the license examination fee is due within sixty (60) days of the date of this letter. The examination fee information sheet (enclosed) must be returned with the fee.

As an alternative to submitting the fee, the department will accept a field examination report completed by a certified water right examiner from the private sector. If you choose to have the examination done by a certified water right examiner, you need not submit the license examination fee to the department, but you must within sixty (60) days of the date of this letter return to the department, the examination fee information sheet showing appropriate information together with a statement from the certified examiner to verify that you have retained a certified examiner to conduct the field examination. If you choose this alternative, a completed field examination report must be submitted within one year of the date of this letter. You cannot later change your decision to use this alternative and submit the fee needed to the department to conduct the field examination, but you may choose another certified examiner.

Certified water right examiners are licensed engineers, geologists, or land surveyors certified by the department to conduct water right examinations. The procedure for certifying examiners results from the recently enacted HB 671 and is being developed at this time. A listing

JAN 04 1991

MAILED

of certified water right examiners will be available from this department when examiners have been certified.

If your permitted use, in fact, has already been examined by the department and you have not asked to have the examination repeated, the fee requirement is not applicable to your permit. If you believe this is the case, please contact the department.

The license examination fee is to be based on the amount of water you indicate you have developed, as listed in item 6 on the examination fee information sheet. The amount of water on which the examination fee is based can be less than the permitted amount, if less water has been diverted and beneficially used. The licensed amount of water, however, will not exceed the amount you claim on the examination fee information sheet. The enclosed license examination fee schedule shows a listing of applicable fees.

FAILURE TO SUBMIT WITHIN THE SIXTY (60) DAY PERIOD; THE FEE OR THE STATEMENT THAT A CERTIFIED EXAMINER HAS BEEN RETAINED TO MAKE THE FIELD EXAMINATION, WILL BE CAUSE TO ADVANCE THE PRIORITY OF THE PERMIT ONE DAY FOR EACH DAY THAT THE FEE SUBMITTAL IS LATE.

FAILURE TO SUBMIT THE FEE OR THE COMPLETED FIELD EXAMINATION REPORT WITHIN A YEAR WILL BE CAUSE TO CONSIDER THE PROOF OF BENEFICIAL USE TO BE INCOMPLETE AND TO LAPSE THE PERMIT.

The attached examination fee information sheet and the fee may be submitted to the following department offices.

Northern Region

Idaho Dept. of Water Resources
4055 Government Way
Coeur d'Alene, ID 83814
Phone: 765-4639

Eastern Region

Idaho Dept. of Water Resources
150 Shoup Ave., Suite 15
Idaho Falls, ID 83401
Phone: 525-7161

Southern Region

Idaho Dept. of Water Resources
1041 Blue Lakes Blvd. North
Twin Falls, ID 83301
Phone: 734-3578

Western Region

Idaho Dept. of Water Resources
450 W. State St., (Third Floor)
Boise, ID 83720
Phone: 334-2190

Sincerely,

L. Glen Saxton

L. GLEN SAXTON
Chief, Operations Bureau

Enclosures

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JAN 04 1981



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

150 Shoup
Idaho Falls, Idaho 83401
(208) 525-7161

A. Kenneth Dunn
Director

September 27, 1982

Maurice H. Anderson
Box 131
Arco, Idaho 33213

RE: Permit No. 34-7183

Dear Mr. Anderson:

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

Before a license can be issued, a field examination must be made by a representative of this Department.

_____ A field examination of your system has been scheduled for _____.

If this time and date is not convenient for you, please contact this office as soon as possible.

XX 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.

Sincerely,

COLLEEN WRAY
Adm. Secretary

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JAN 04 1991

CERTIFIED MAIL
#138778

April 30, 1982

Maurice H. Anderson
Box 131
Arco, ID 83213

Dear Mr. Anderson:

One of the conditions of approval of your water permit No. 34-7183 was that evidence of the extent of development must be submitted to this office on or before July 1, 1982. (See last page of approved permit). Enclosed is a postcard which may be used to submit the required proof of beneficial use.

If you have not fully completed your project, and you have not previously received an extension of time, you may request an extension of time provided the delay is for reasonable cause as indicated in Section 42-204, Idaho Code, amended. If you have been prevented from proceeding by a governmental agency or by litigation, more than one extension of time can be granted. A request for extension of time form is enclosed for your convenience. Please note that a fee of \$15.00 must be submitted with this form.

Either the beneficial use postcard or a request for an extension of time must be received by this department on or before the above-mentioned date, otherwise, the permit will lapse and be of no further force or effect within sixty days.

Sincerely,

RITA J. FLECK
Sr. Secretary

Enclosures

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JAN 04 1991



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

April 30, 1982

Dear Wateruser:

The enclosed Order changes the measuring device condition of approval on your water right permit.

The changed condition is less restrictive and provides you the option to install an access port or have your system measured and certified by a professional engineer. Instructions for access port installation are also enclosed.

If you have questions regarding this matter, please contact the regional office nearest to you.

Sincerely,

DAVID R. TUTHILL JR., P. E.
Supervisor, Water Allocations Section

DRT:jg

Enclosures

NORTHERN REGION OFFICE
Route #5, Box 203, Government Way
Coeur d'Alene, Idaho 83814
Telephone 667-6484

SOUTHERN REGION OFFICE
1041 Blue Lake Boulevard North
Twin Falls, Idaho 83301
Telephone 734-3578

EASTERN REGION OFFICE
150 Shoup Avenue
Idaho Falls, Idaho 83401
Telephone 525-7161

WESTERN REGION OFFICE
92 South Cole Road
Boise, Idaho 83709
Telephone 334-2190

MICROFILMED

JAN 04 1991

July 18, 1977

Re; Permit No. 34 7183

Maurice H. Anderson
Box 131
Arco, ID 83213

Dear Maurice,

Enclosed is a copy of your approved Application for Permit No. 34-7183. We direct your attention to the conditions of approval as listed on the fourth page.

Be sure to note that a special condition requiring you to install and maintain a measuring device at your point of diversion has been placed upon your permit. We are enclosing a letter describing different types of measuring devices accepted by this office.

Sincerely,

BOBBY D. FLEENOR
Chief, Water Rights

Enclosure: Copy of permit

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. 834-7183.

Name(s) of Permit Holder: MAURICE H. ANDERSON

Post Office Address: Box 151, Arco, Idaho 83213

Tel. No. 527-3900

Source of Water: Well

Extent of Use:

☐ Domestic	(number of households)
☐ Stockwater	(number and type of stock)
☒ Irrigation	(acres)
☐ Other	

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

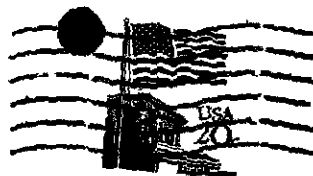
The above information is a true statement of the extent to which the above numbered permit has been developed.

June 24, 1982
Date

Maurice H. Anderson
Signature of Permit Holder

RECORDED
JUN 64 1991

MAURICE H ANDERSON
BX 131
ARCO, IDA
83213



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RECEIVED



JAN 04 1991

JUN 25 1982

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE

Department of Water Resources, IDAHO 83720

April 29, 1977

RE: Application for Permit No. 34-7183 ANDERSON

Custer Publishing Co.
P.O. Box 405
Challis, Idaho 83226

Gentlemen:

Enclosed you will find a legal notice which we wish to have published once a week for two consecutive weekly issues of your newspaper. We have inserted the publication dates allowing time for you to submit us a galley proof for review before publication.

After sending us a galley proof, proceed with the publication on the dates we have inserted, assuming the notice is correct. If we have any corrections, we will notify you before the first publication. 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.

Very truly yours,

RONALD D. CARLSON
Supervisor,
Eastern Region

Bill submitted 5-17-77 by me

RDC:EW

Enc: Legal Notice (1)

Checking Copy

PAGE 7 — THE CHALLIS

**NOTICE OF APPLICATION
FOR WATER PERMIT**

Notice is hereby given that Maurice H. Anderson, Arco, Idaho has on 4-25-77 submitted Application No. 34-7183 for a permit to appropriate ~~300~~ cubic feet per second of water from a ground-water source by means of well and pump within the NE $\frac{1}{4}$, Sec. 32, T. 7N, R. 25E, B.M., Custer County, to be used from April 1 to Nov. 1 for the irrigation of ~~40~~ acres within the E $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 32, T. 6N, R. 25E, B.M.

If issued, this permit will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Idaho Department of Water Resources, 1515 Lincoln Road, Idaho Falls, Idaho, 83401 on or before May 23, 1977.

C STEPHEN ALLRED
Director

Published in the Challis
Messenger, Challis, Idaho on May 5
and May 12, 1977. □□□

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that Maurice H. Anderson,
Arco, Idaho

has on 4-25-77 submitted Application No. 34-7183
for a permit to appropriate 1.60 cubic feet per second XXXXXXXXXXXXXXXXXXXX
of water from a ground-water source
by means of well and pump
within the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 32, T. 7N, R. 25E, B.M., Custer County;

to be used from Apr. 1 to Nov. 1
for the irrigation of 80 acres

within the E $\frac{1}{2}$ NE $\frac{1}{4}$, Sec. 5, T. 6N, R. 25E, B.M.

If issued, this permit will be subject to all prior water rights. Protests
against the granting of the permit must be filed with the Idaho Department of
Water Resources, 1515 Lincoln Road, Idaho Falls, Idaho, 83401 on or before _____
May 23, 1977

C. S. EPHEN ALLRED
XXXXXXXXXXXXXXXXXXXX
R. KEITH HIGGINSON

Director

Published in the Challis Messenger, Challis, Idaho
on May 5 and May 12, 1977

Mc-H.
Mc-H.
Mc-H.
Mc-H.

DEPARTMENT OF WATER RESOURCES
- STAFF ANALYSIS -

Item Initial Date

Application No. Anderson

☒ Source
☒ Point of Diversion
☒ County
☒ Quantity of Water and Period of Use
☒ Description of Diverting Works
☒ Time required for B/U of water
☒ Place of Use or Acres Irrigated
☒ Map
☒ Signature
☒ Fee

(1) ARK 4/25/77

In form to receipt yes

(2) ARK 4/25/77

Send Copies to:

na Idaho State Health Department
na Idaho Fish and Game Department
na Bureau of Land Management

(3) ARK 4/25/77

na Request Special Use Permit from U.S.F.S.
na Request Easement from B.L.M.
na Request Information from Applicant
na Request Dam Safety Information

(4) ARK 4/25/77

In form for advertising yes

(5) ARK 4/26/77

Platted on Map No. 6N 25E

(6) ARK 4/25/77

Located within Water District No. Basin 34

(7) ARK 4/26/77

Critical groundwater area: yes no X

(8) ARK 4/26/77

Groundwater levels:

Declining, X Stable, Increasing

(comment) No obs wells in area

(9) ARK 4/26/77

* storage water from Hackay Reservoir See 34-0492
Other rights on the same place of use:

(10) ARK 4/26/77

LIC # 34-2352 used to apply to these same
Comments: 80 acres but the water right was transferred
off of this land. Therefore no conflicting ground
water rights presently exist.

(11) ARK 5-17-77

Affidavit of Publication received (date) 5-17-77

(12) RDC 5/23/77

Final date for protests May 23, 1977

Protests received: yes no

(13) II II

All requested information received from agencies or applicant: yes no

(14) II II

Action recommended:

Approve

Deny

4/25/77 Proposed Priority

Reason for Reduction

Measuring device required

See attached sheet for other conditions of approval

No special conditions for approval

(15) District E

By RDC

Date 5/23/77