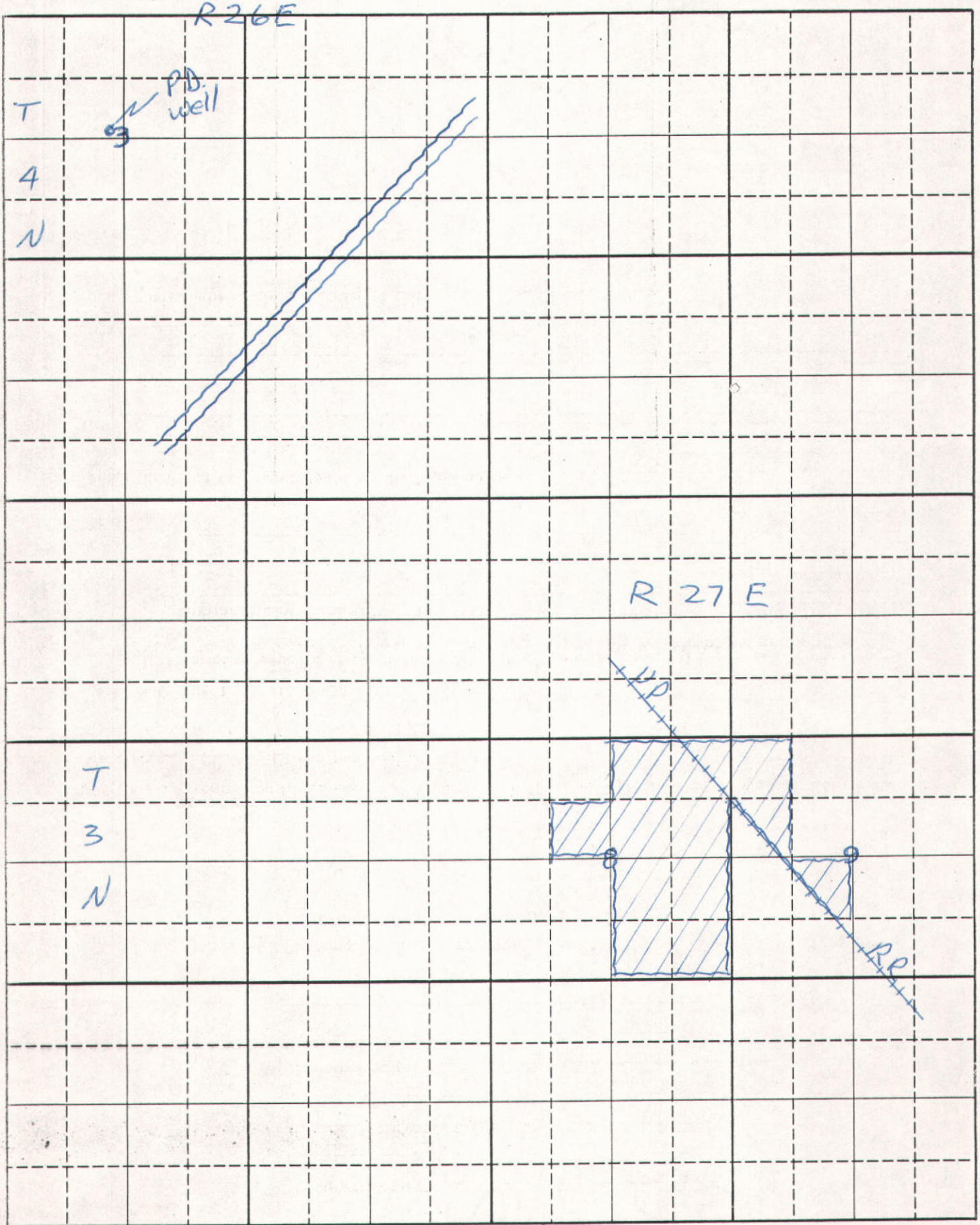


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

Arthur W. Quist
(Applicant)

Affidavit of Publication

RECEIVED

OCT 2 1974

Department of Water Resources
Eastern District Office

I, L. Ella Cammack, of the
Arco Advertiser, a weekly newspaper of general
circulation, published weekly at Arco, Idaho, since
March, 1909, do solemnly swear that a copy of
this notice, per clipping attached, was published
weekly in the regular and entire issue of said
newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with

the issue dated Aug 22, 1974

and ending with the issue dated Aug 29, 1974

L. Ella Cammack

Subscribed and sworn to before me this

30th day of Sept, 1974

Dr. Jones
Notary Public

Residence: Arco, Idaho.

My commission expires Nov 6, 1975

PUBLIC NOTICE

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that
Arthur W. Quist, Rt. No. 1,
Box 54, Arco, Idaho has on
8/9/74 submitted Application
No. 34-7075 for a permit to ap-
propriate 8.0 cubic feet per sec-
ond of water from a ground-
water source by means of well
and pump within the SE $\frac{1}{4}$ -
NW $\frac{1}{4}$, Sec. 3, T. 4N, R. 26E,
B.M., Butte County; to be used
from Apr. 1 to Nov. 1 for the
irrigation of 445 acres within
the E $\frac{1}{2}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 8,
W $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 9,
T. 3N, R. 27E, 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 Depart-
ment of Water Resources, 1515
Lincoln Road, Idaho Falls, Ida-
ho 83401 on or before Septem-
ber 9, 1974.

R. KEITH HIGGINSON
Director

Published in the Arco Adver-
tiser, Arco, Idaho on August 22
and August 29, 1974. eb

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

34-7075

A. GENERAL INFORMATION

Permit No. 34-7075, 34-7181

1. Owner: Arthur Quist
Current Address: Rt. #1 Box 203 ARCO, ID 83213
Phone No. 527-3107

2. Accompanied by: Larry Quist EXAM. DATE: 10-15-90
Address: Same Phone No. Same

Relationship to Permit Holder: Son

3. Source: Groundwater tributary to _____

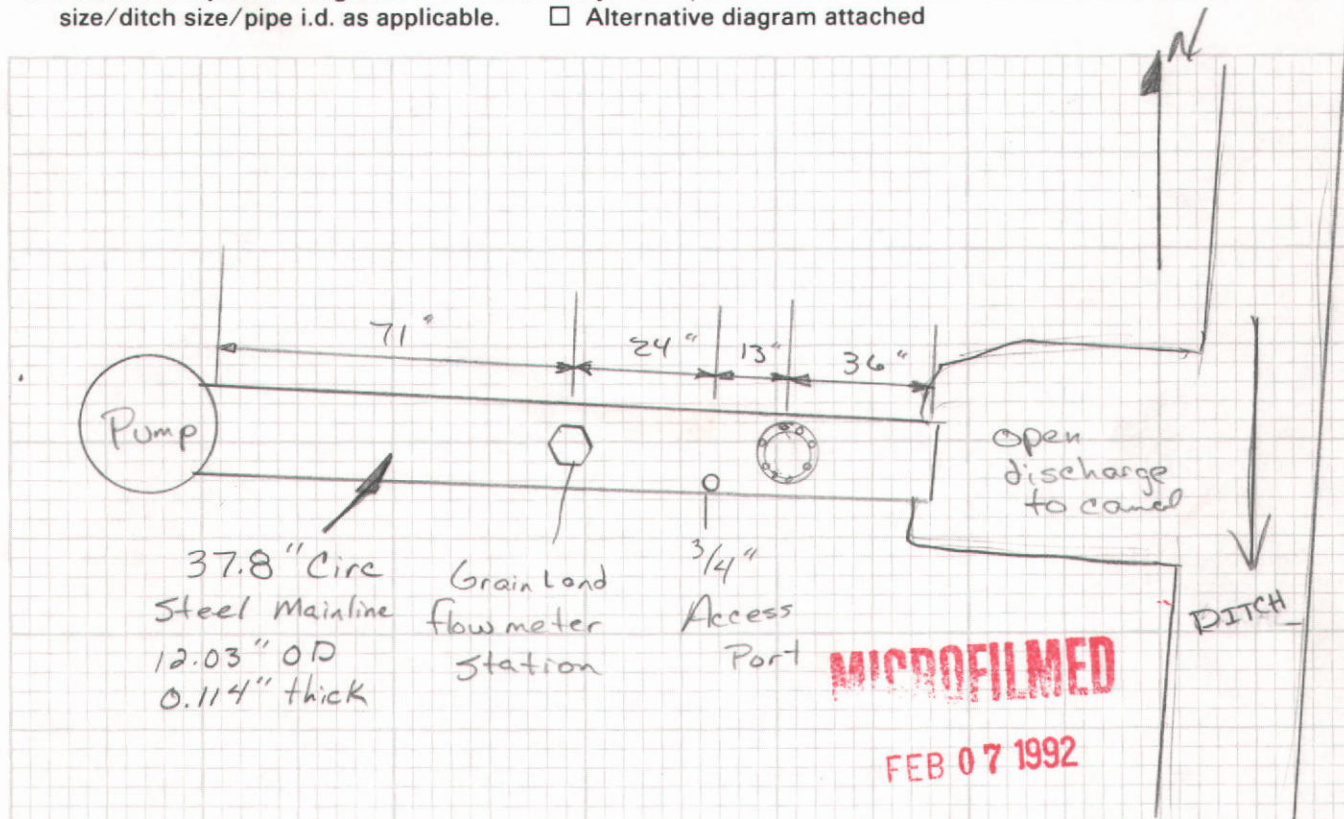
B. OVERLAP REVIEW

1. Other water rights with same place of use: 34-0187/0188/01958/01968/0197/0796/0031/
0648/0796 [Big Lost River] 34-4002 wastewater ☐ Copies Attached

2. Other water rights with same point of diversion: 34-7181 / 34-7075
☐ 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). ☐ 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).

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
MAY 06 1991

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 34-7201

1. Owner: Everett T Acor Jr or Ruth P. Acor
Current Address: P.O. Box 13 Moore, ID
Phone No. 554-3561

2. Accompanied by: Ruth Acor EXAM. DATE: 7-23-90
Address: same Phone No. _____

Relationship to Permit Holder: holder

3. Source: groundwater tributary to _____

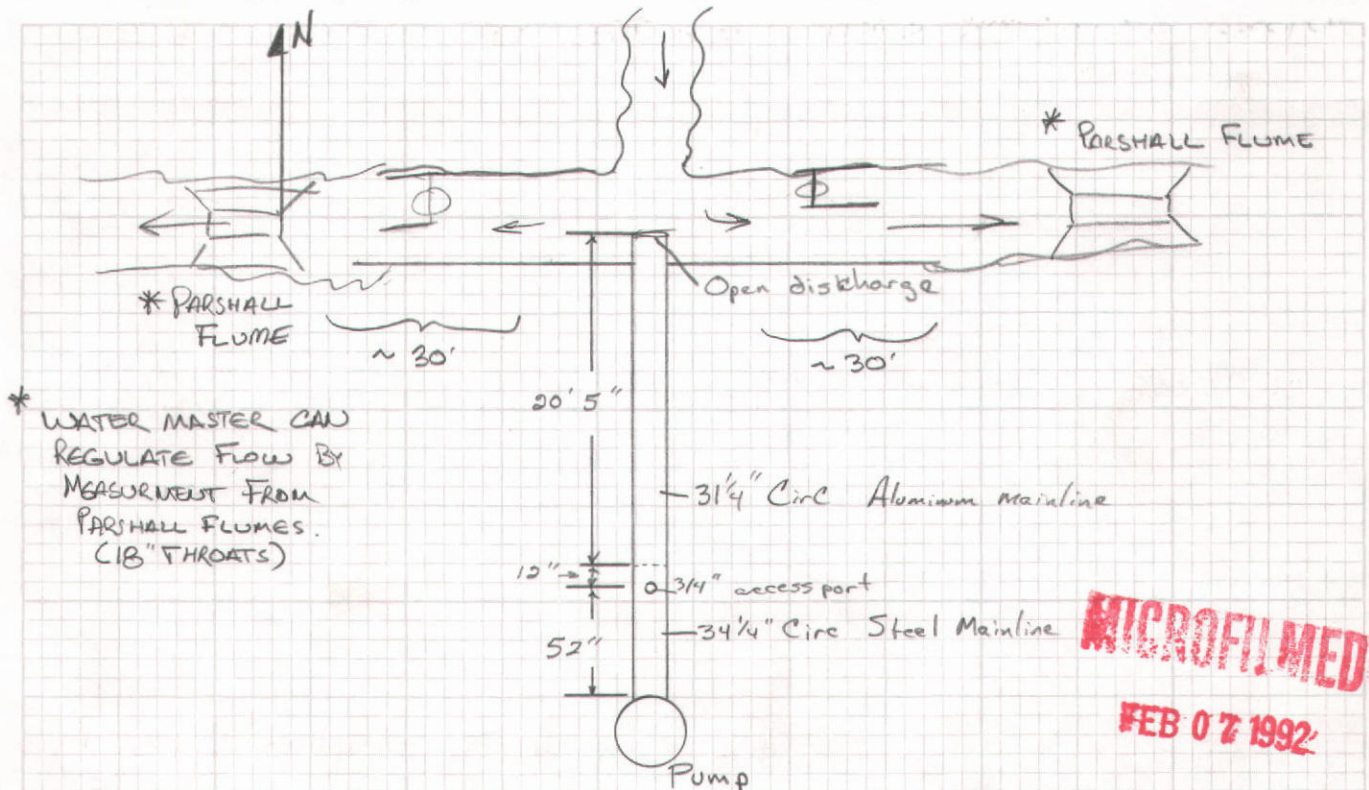
B. OVERLAP REVIEW

1. Other water rights with same place of use: 34-0621 (Big Lost River Rights)
_____ ☐ Copies Attached

2. Other water rights with same point of diversion: 34-7179
_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

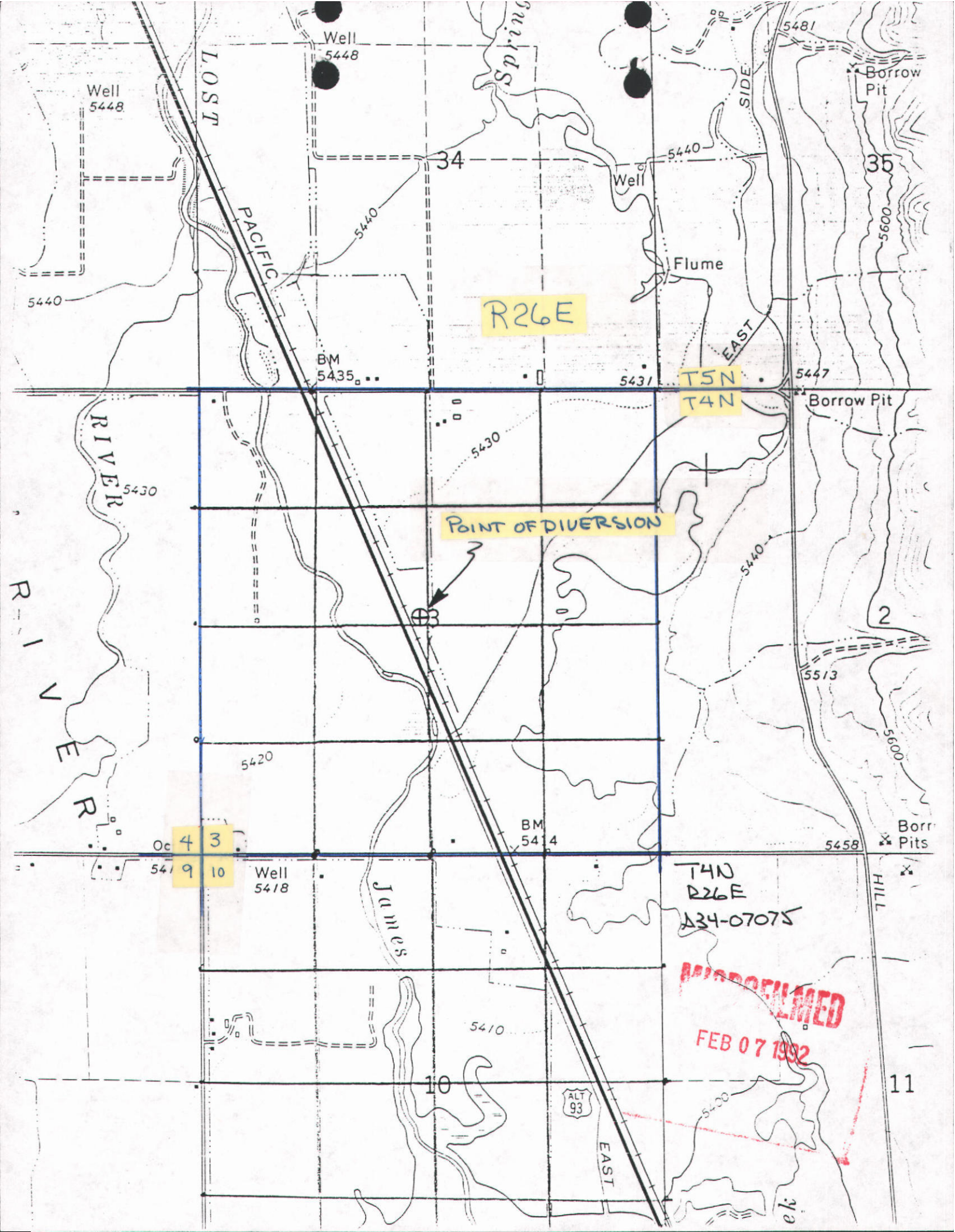
1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



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).
☒ 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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Well 5448

Well 5448

Well 5440

LOST

PACIFIC

R26E

T5N
T4N

POINT OF DIVERSION

4 3
9 10

Well 5418

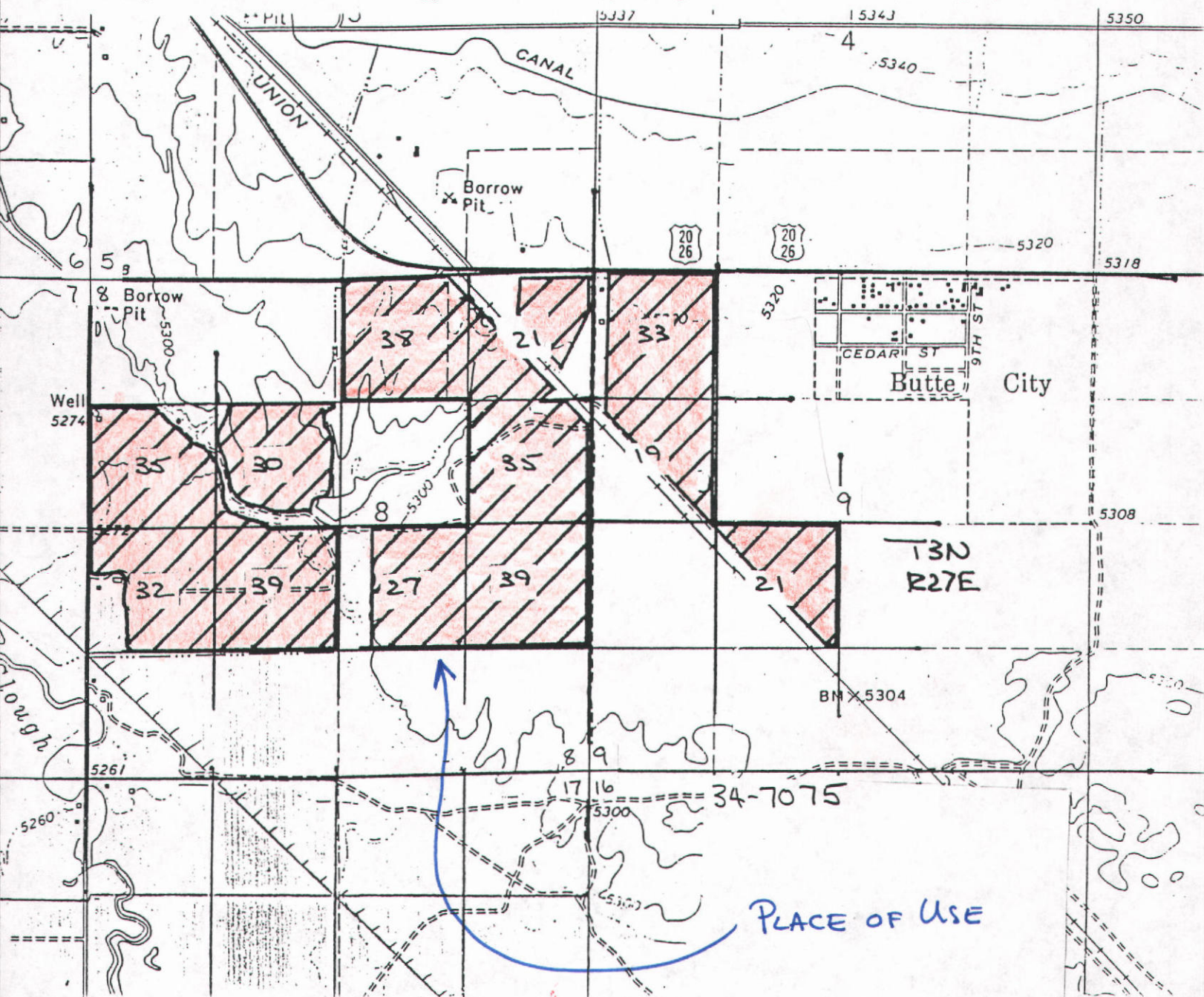
BM 5414

T4N
R26E
A34-07075

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FEB 07 1992

ALT 93

11

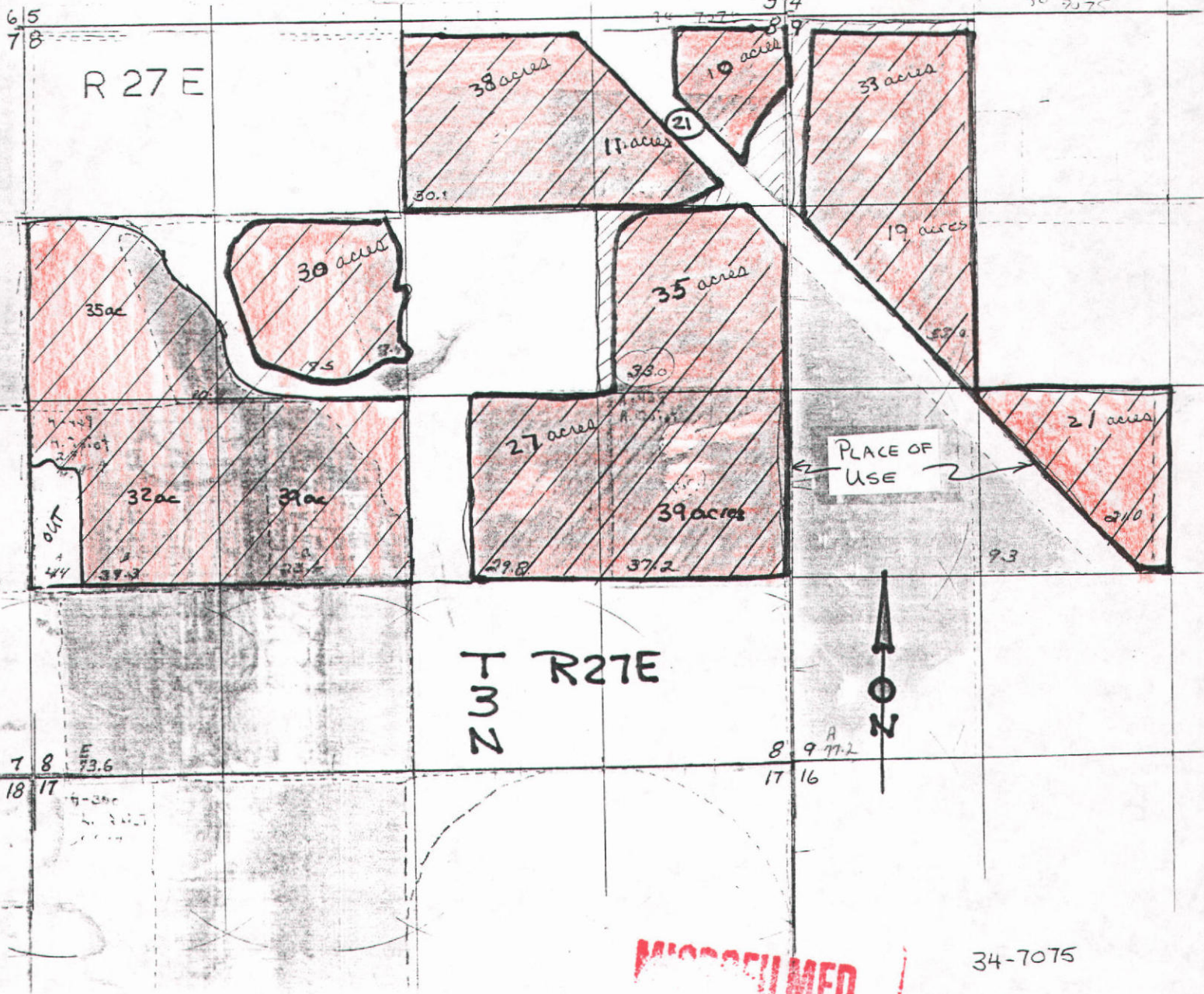


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34-7075

PLACE OF USE



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34-7075

34 7075

34 7075

65 78

R 27 E



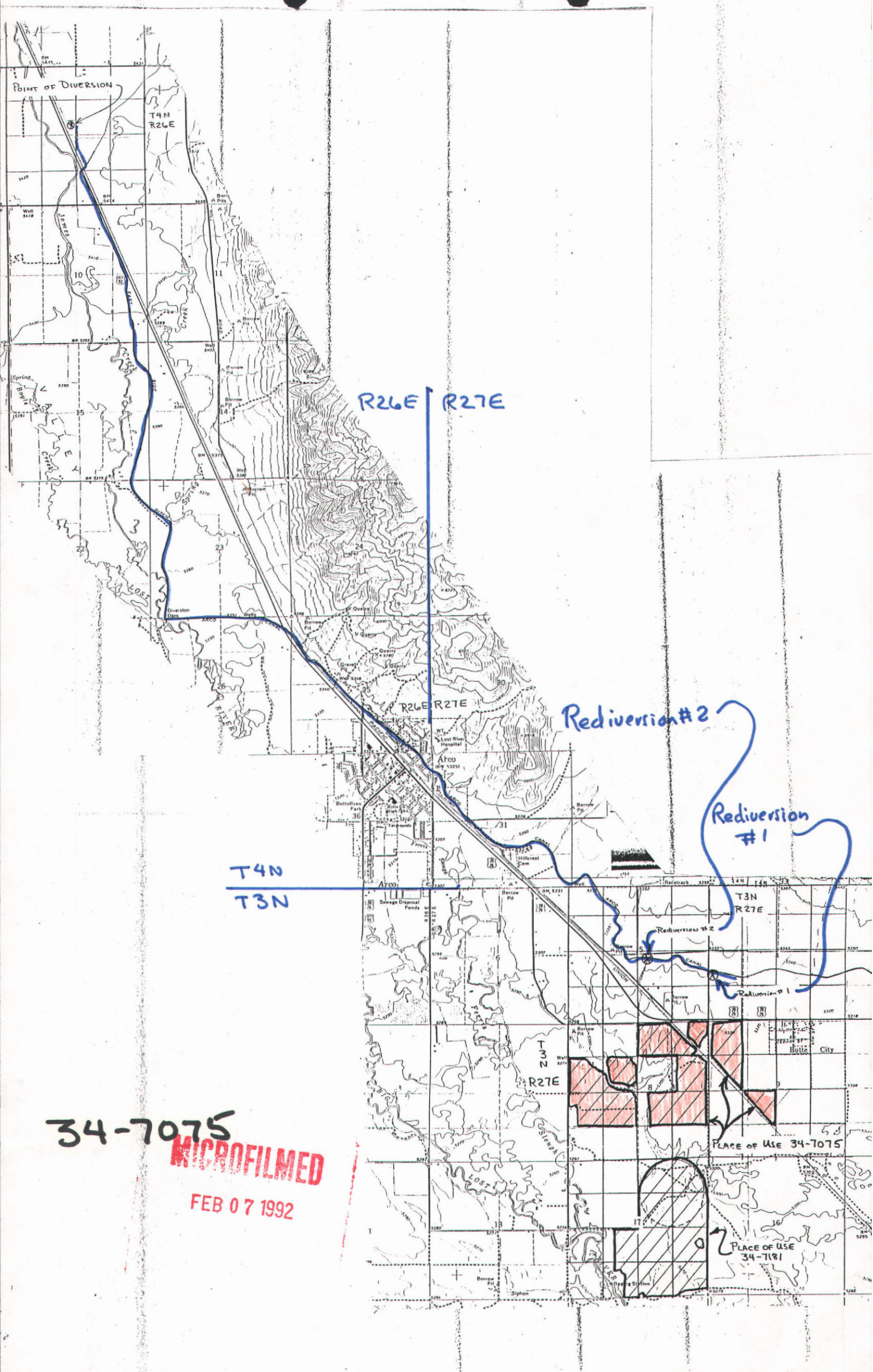
R27E
T3N

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FEB 07 1992

34-7075

8 9 17 16

7 8 18 17



R26E R27E

Rediversion #2

Rediversion #1

T4N
T3N

34-7075
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PLACE OF USE 34-7075

PLACE OF USE 34-7181



well/pump

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34-7075

34-7181



Well & Pump



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34-7075
34-7181



→ OPEN DISCHARGE

Well & Pump



OPEN DISCHARGE

→ well & Pump

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34-7075
34-7181
1992



REDIVERSION #1
from
Arco Canal



REDIVERSION #1
Parshall flume

34-7075
34-7181
FEB 07 1992



REDIVERSION
#2
From Arco Canal



Submerged
rectangular
weir at
Rediversion #2

Original Photos
are in File 34-7075

34-7075
34-7181
B 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT (Partial)

A. GENERAL INFORMATION

Permit No. 34-7075

1. Owner: Arthur W. Quist Phone No. 527-3107

Current Address: Rt #1 Box 203 Arco, Id 83213

2. Accompanied by: Arthur W. Quist EXAM. DATE: 7/16/87

Address: Rt #1 Box 203 Phone No. 527-3107

Relationship to Permit Holder: applicant

3. Source: groundwater tributary to N/A

B. OVERLAP REVIEW

1. Other water rights with same place of use: see comments

☐ Copies Attached

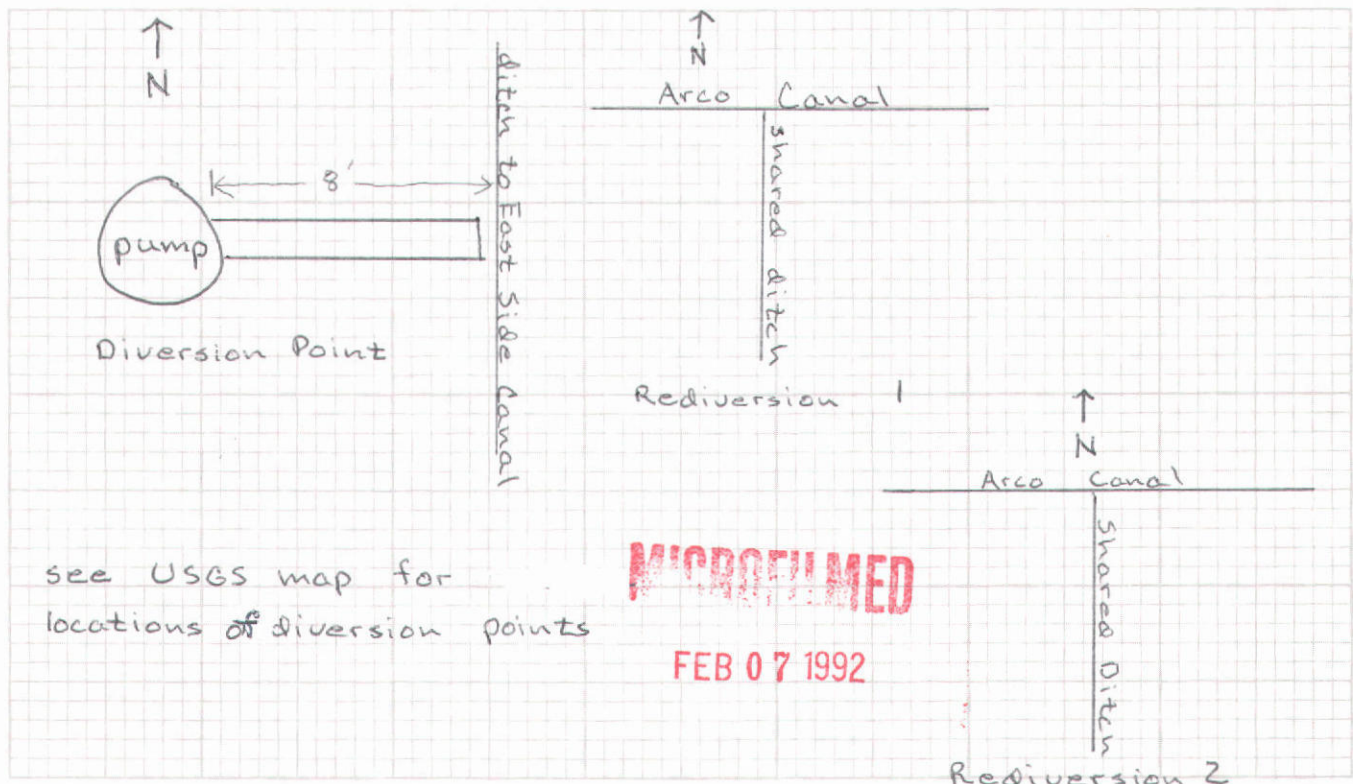
2. Other water rights with same point of diversion: no

☐ 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).

ROUTING SLIP

DATE _____	TIME _____
TO: _____	REF. No. (if any) _____
FROM: (show title) _____	_____

FOR YOUR:	REVIEW AND:	PER:
☐ Information	☐ Call Me ☐ See Me	☐ Our Conversation
☐ Approval	☐ Comment & Return	☐ Your Request
☐ Signature	☐ Take Proper Action	☐ Boss's Request
	☐ Draft a Reply for Me	

MICROFILMED

Will forward 34-7075 out about 03 Aug, 1960 - needs review
 up on - due this month
 Mr. [unclear] - needs review & forward to [unclear]
 info he needs to provide.

☒ Telephoned	☐ Returned Your Call	☐ Will Call Again
☒ Please Call	☐ Called to See You	

PHONE: _____	AREA CODE _____	NUMBER _____
EXT. _____		
DATE _____	TIME _____	WHILE YOU WERE OUT _____
TO _____		

11:00
 Dave Tuff
 Please be sure to call by 11:00

Dave Tuff
 James M. [unclear]
 885-6782

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 34-07075

Priority: August 18, 1974

Maximum Diversion Rate: 3.66 CFS
Maximum Diversion Volume: 1291.5 AF

This is to certify, that ARTHUR W. QUIST

RT. 1 BOX 54

ARCO ID 83213

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated August 9, 1974; and has submitted Proof of Beneficial Use on October 11, 1979. An examination indicates that the works have a diversion capacity of 7.070 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	04/15 to 10/15	3.66 CFS	1291.5 AF

LOCATION OF POINT(S) OF DIVERSION:

Injection

Rediversion

SENE , Sec. 3, Township 04N, Range 26E
NWNWNW , Sec. 26, Township 04N, Range 26E
NWNWNW , Sec. 26, Township 04N, Range 26E
BUTTE 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>
03N	27E	8	NENE 21	NWNE 38	SENE 35	
			SWNW 35	SENE 30	NESW 39	
			NWSW 32	NESE 39	NWSE 27	296
		9	NWNW 33	SWNW 19	NESW 21	73

Total number of acres irrigated: 369

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. Use of water under this water right will be regulated by the watermaster of State Water District No. 34.

MICROFILMED

FEB 07 1992

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 34-07075

CONDITIONS/REMARKS:

6. A measuring device and lockable controlling works of a type acceptable to the Department shall be permanently installed and maintained as part of the diverting works.

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 17th day of JANUARY, 1992.

Acting for R. Keith Higginson, Director

NOT FILMED

FEB 07 1992

APPROVED

State of Idaho
Department of Water Resources

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NOV 18 1991

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 34-07075

Department of Water Resources

Date of Priority: August 18, 1974

Maximum Diversion Rate:
Maximum Diversion Volume:¹

3.66 CFS
1107.0 AF

Comes now
RT. 1 BOX 54
ARCO ID 83213

ARTHUR W. QUIST

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 34-07075, and requests that the permit be changed as follows:

Source: GROUNDWATER

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 11/01	3.66 CFS	1107.0 AF

LOCATION OF POINT(S) OF DIVERSION:

Rediversion

NWSW, Sec. 4, Township 03N, Range 27E
SESW, Sec. 3, Township 04N, Range 26E
NWSE, Sec. 5, Township 03N, Range 27E
BUTTE County

Rediversion

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>
03N	27E	8	NENE 21	NWNE 38	SENE 35	
			SWNW 35	SESW 30	NESW 39	
			NWSW 32	NESE 39	NWSE 27	296
		9	NWNW 33	SWNW 19	NESW 21	73

Total number of acres irrigated: 369

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Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at Arco, Idaho, this 14 day of Nov, 1991.

Arthur W. Quist
(Signature)

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 34-07075

FOR DEPARTMENT USE ONLY

Preliminary check by [Signature] Fee = \$20.00

Receipted by [Signature] Date 11/18/91

#C022346

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, R. Keith Higginson, of the Department of Water Resources hereby approve the above Application for Amendment for Permit No. 34-07075 with the following;

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. Use of water under this water right will be regulated by the watermaster of State Water District No. 34.
6. A measuring device and lockable controlling works of a type acceptable to the Department shall be permanently installed and maintained as part of the diverting works.

Witness my hand this 17TH day of JANUARY, 1992

Acting for

[Signature]
R. Keith Higginson, Director

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FEB 07 1992

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF CHANGING THE MEASURING
DEVICE REQUIREMENT FOR PERMIT NO. **34-7075**

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,

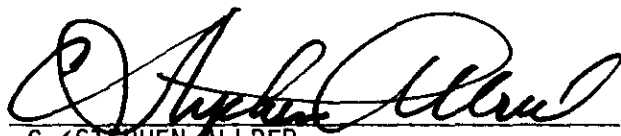
WHEREAS, the former condition required the permit holder to purchase and install a measuring device or hire a professional engineer to certify the rate of diversion; and,

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 18th day of August, 1978.


C. STEPHEN ALLRED
Director

MICROFILMED

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 34-7075 }
IN THE NAME OF ARTHUR W. QUIST }

ORDER OF REINSTATEMENT

WHEREAS, on August 9, 1974, Arthur W. Quist filed with the Department of Water Resources an application for permit to appropriate 8.00 cubic feet per second of water from a groundwater source to be diverted within the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, Twp. 4N, Rge. 26E, B.M., Butte County, to be used for irrigation purposes; and,

WHEREAS, on October 9, 1974, the Department approved said application and issued Permit No. 34-7075 with the condition that proof of construction of works and application of water to beneficial use be submitted to the Department on or before October 1, 1979; and,

WHEREAS, on July 31, 1979, the Department notified the permit holder by certified mail that proof of beneficial use was due and instructed the permit holder as to the steps to be taken to make said proof; and,

WHEREAS, on October 10, 1979, the Department notified the permit holder that Permit No. 34-7075 had lapsed for failure to submit proof of beneficial use of water; and,

WHEREAS, Section 42-218a of the Idaho Code provides that a permit may be reinstated upon a showing of reasonable cause within 60 days from the date of the notice of lapsing; and,

WHEREAS, the permit holder has provided a reasonable showing as to why said permit should be reinstated by submitting proof of beneficial use on October 11, 1979;

IT IS, THEREFORE, HEREBY ORDERED THAT Permit No. 34-7075 be REINSTATED and the priority date is advanced to August 18, 1974.

Dated this 13th day of December, 1979.

L. Glen Saxton
L. GLEN SAXTON

Chief, Operations Bureau

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DEC 14 1979

Identification No. 34 7075
Application No. _____

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

APPLICATION FOR PERMIT

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

APPROVED

1. Name of applicant ARTHUR W. QUIST
post office address Route #1, Box 54, Arco, Idaho PH: 527-3107
2. Source of water supply ground water which is a tributary of _____
3. a. Location of point of diversion is SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 3 Township 4N
Range 26E B.M. Butte 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 8.0 for Irrig. 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. 8.0 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, ditches, and
sprinkler system

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 20 inches; proposed depth of well is 150 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 \$ 15,000.00.
8. Description of proposed uses:
a. If water is not for irrigation: N.A.
(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: _____

MICH
JUN 12 1964

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

TWP	RANGE	SEC.	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
3N	27E	8	40	40	40	40				40					40	40	40	40	360
"	"	9						40	20		25								85

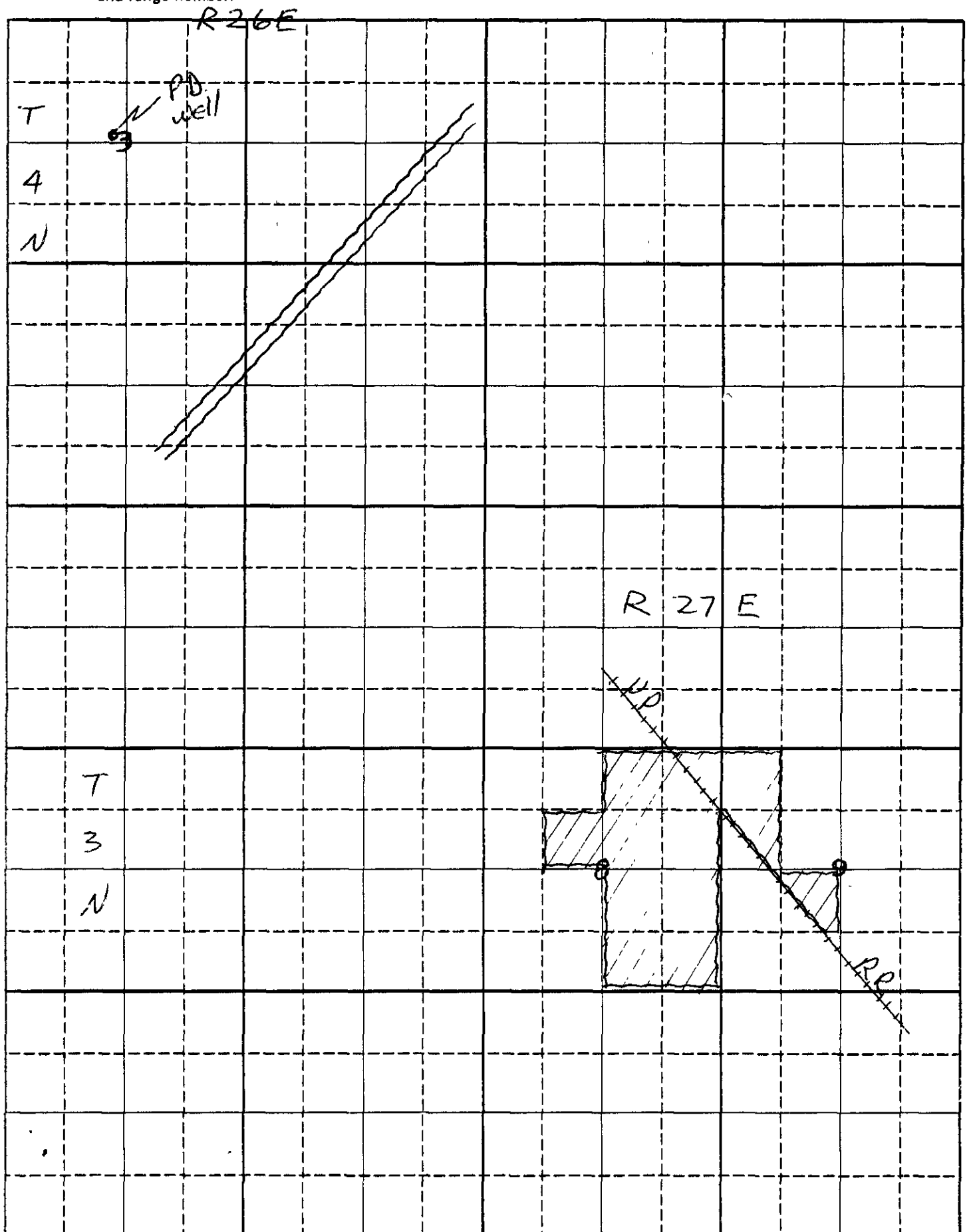
Total number of acres to be irrigated 445

c. Describe any other water rights used for the same purposes as described above.
Decree from Big Lost River

9. a. Who owns the property at the point of diversion James S. Babcock
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 The point of diversion acquired by purchase of easement to drill the well.

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.

Arthur W. Curtis
(Applicant)

DEPARTMENT OF WATER ADMINISTRATION
- STAFF ANALYSIS -

Item	Initial	Date	
(1)	<u>RDC</u>	<u>8/9/74</u>	Application No. <u>Quint</u>
(2)			☒ Source ☒ Point of Diversion ☒ County ☒ Quantity of Water and Period of Use <u>EXCESSIVE</u> ☒ Description of Diverting Works ☒ Time required for B/U of water ☒ Place of Use or Acres Irrigated ☒ Map ☒ Signature ☒ Fee
(3)	<u>ll</u>	<u>ll</u>	In form to receipt <u>YES</u>
	<u>ll</u>	<u>ll</u>	Send Copies to: ☐ Idaho State Health Department ☐ Idaho Fish and Game Department ☒ Bureau of Land Management
(4)	<u>ll</u>	<u>ll</u>	☒ Request Special Use Permit from U.S.F.S. ☒ Request Easement from B.L.M. ☐ Request Information from Applicant
(5)	<u>ll</u>	<u>ll</u>	In form for advertising <u>YES</u>
(6)	<u>ll</u>	<u>ll</u>	Located within Water District No. _____
(7)	<u>ll</u>	<u>ll</u>	Critical groundwater area: yes _____ no ☒
(8)	<u>ll</u>	<u>ll</u>	Groundwater levels: _____ Decline (comment) _____ ☒ Stable (comment) <u>WIB#24 ORS WELL#219661 582'WL</u> _____ Increasing (comment) _____
(9)	<u>ll</u>	<u>ll</u>	Comments: <u>OK</u> ~~TR 24-2416 OVERLAP 80 AC S 1/2 NE 1/4 SEC 8~~ ~~L.C. 34-2412 OVERLAP 26 AC NE 1/4 SEC 9~~ ~~TOTAL OVERLAP = 2.084 : 15% EXCESSIVE~~
(10)	<u>MB</u>	<u>10-2-74</u>	Affidavit of Publication received (date) <u>October 2, 1974</u>
(11)	<u>MB</u>	<u>9/9/74</u>	Final date for protests <u>September 9, 1974</u> Protests received: yes _____ no ☒
(12)	<u>"</u>	<u>"</u>	Date and Place of hearing <u>N.A.</u> Decision reached at hearing <u>N.A.</u>
(13)	<u>RDC</u>	<u>10/2/74</u>	All requested information received from agencies or applicant yes _____ no _____
(14)	<u>ll</u>	<u>ll</u>	Action recommended: ☒ Approve Priority <u>8/9/74</u> ☐ Deny Reason for Reduction _____ ☒ Measuring device required ☐ See attached sheet for additional conditions of approval ☐ No additional conditions for approval
(15)	District <u>E</u>	By <u>RDC</u>	Date <u>10/2/74</u>

UNRECORDED

Copy

Affidavit of Publication

DECEMBER

1974

Department of Justice
Federal Bureau of Investigation

Ed E. Calamash, of the
Arco Advertiser, a weekly newspaper of general
circulation, published weekly at Arco, Idaho, since
March, 1909, do solemnly swear that a copy of
this notice, per clipping attached, was published
weekly in the regular and entire issue of said
newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with

the issue dated Aug 22, 1974

and ending with the issue dated Aug 29, 1974

Ed E. Calamash

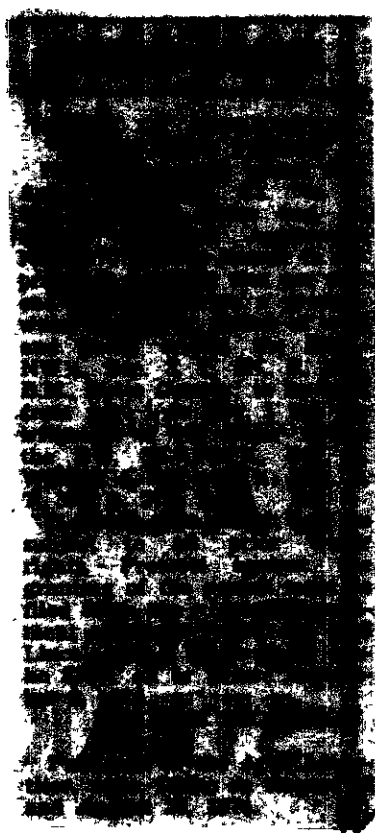
Subscribed and sworn to before me this

30th day of Sept, 1974

Orlando
Notary Public

Residence: Arco, Idaho.

My commission expires Nov 6, 1975



MICROFILMED

January 23, 1992

ARTHUR W. QUIST
RT. 1 BOX 54
ARCO ID 83213

RE: WATER RIGHT NO. 34-07075

Dear Water Right Holder(s):

Enclosed is a copy of your water right license along with a copy of the approved application for amendment you had submitted.

This right is included in the Snake River Basin Adjudication and you will be receiving further information regarding this in the near future.

If you have any questions, let me know.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:blm

Enclosure

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MEMORANDUM

TO: File

FROM: JIM JOHNSON

RE: Changes in Season of Use and Volume

DATE: December 30, 1991

=====

The Beneficial Use Report for this right had originally used a field headgate volume of 3.0 acre-feet/acre and an irrigation season of April 1 to November 1. The Department has revised this information and the adjustments are reflected on the license.

MIDDOCH MED
FEB 07 1992

October 29, 1991

ARTHUR W. QUIST
RT. 1 BOX 54
ARCO ID 83213

RE: WATER RIGHT NO. 34-07075

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed application for amendment contains information that will be included on the license when it is issued. Please review carefully and if you concur, sign the amendment and return with the \$20.00 filing fee by November 7, 1991.

If you do not concur with these findings or if you have any questions, please contact us immediately.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:blm

Enclosure

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FEB 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

34-7075

A. GENERAL INFORMATION

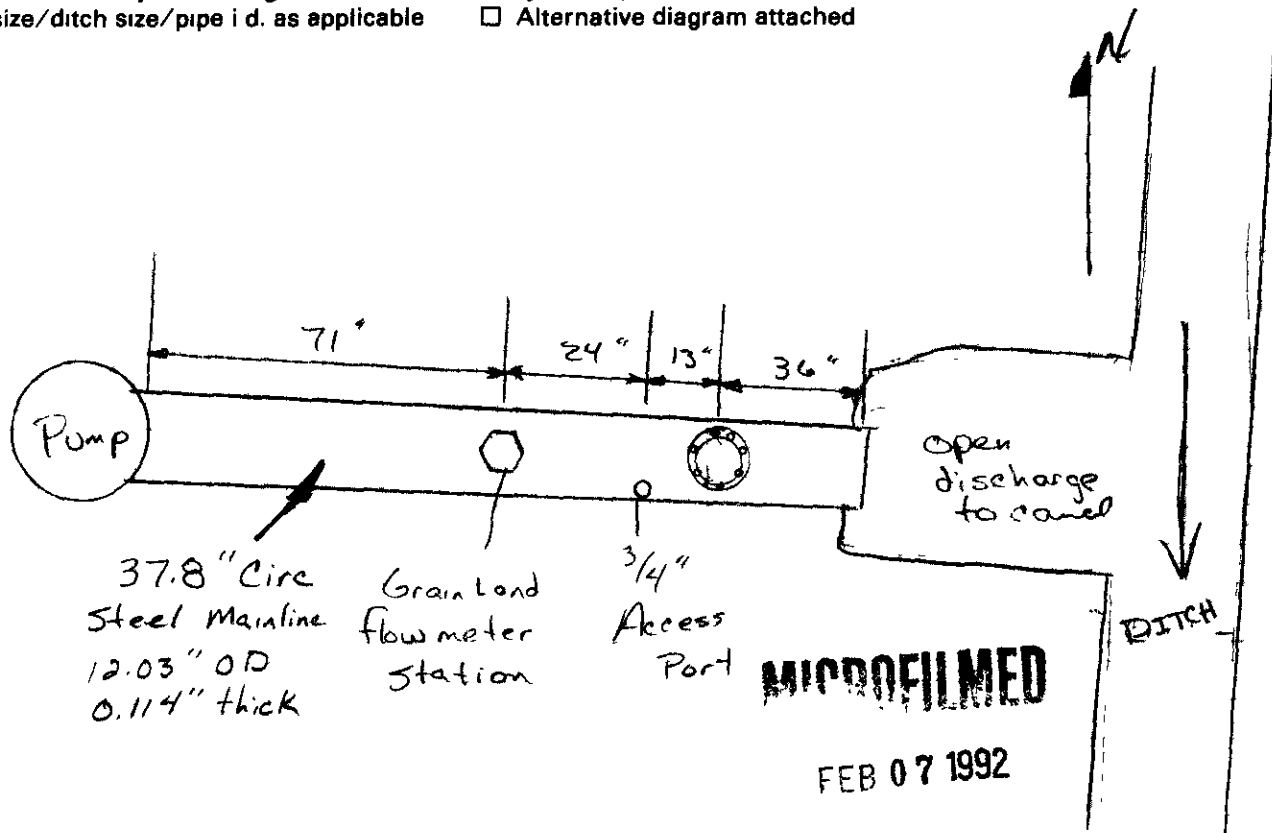
1. Owner Arthur Quist Permit No. 34-7075, 34-7181
Current Address: Rt #1 Box 203 ARCO, ID 83213 Phone No. 527-3107
2. Accompanied by: Larry Quist EXAM. DATE: 10-15-90
Address: Same Phone No. Same
Relationship to Permit Holder. Son
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 34-0187/0188/01958/01968/0197/0796/0031/
0648/0796 [Big Lost River] 34-4002 wastewater ☐ Copies Attached
2. Other water rights with same point of diversion. 34-7181 / 34-7075
☐ 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) ☐ 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).

System Description (continued)

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

Well, pump, mainline open discharge to canal (Island ditch) to East Side canal to Big Lost River to Arco Canal with rediversions from Arco Canal into ditches.

☐ 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
357/638	Newman	100	51301601	Aurora	377158

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

5. **Point(s) of Diversion:**

357/638

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
PD			SE	NW	3	4N	26E	Butte	On site inspection - USGS Quad
Rediversions									
#1			NW	SW	4	3N	27E	Butte	USGS
#2			NW	SE	5	3N	27E	Butte	USGS

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

Indicate Method of Determination

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
34-708 3N	27E	8	21	38		35			35	30	39	32			39	27			296
		9						33	19		21								73
34-7181																			
3N	27E	17	32	32	40	40				29				19	38	40	38	36	344

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FEB 07 1992

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Water Level Indicator	Electric	Fisher	M-Scope		500'	
Flowmeter Station	Cox-pid	Halls		1203860	12"	
Manometer		IDWR			56"	
Owners Flowmeter Station		Grainland		12278	11.75" ID	

Owners--

2 Measurements:

Pumping Water Level $\Rightarrow$ 60'
 Manometer $\Rightarrow$ (47.1, 34.3), (46.7, 35.6), (46.8, 35.3)
 ID $\Rightarrow$ 11.88" measured
 Owners Flow meter $\Rightarrow$ 1600 gpm = 3.565 cfs

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

Cox/HALLS $\Rightarrow$ 4.22 cfs, In line flowmeter $\Rightarrow$ 3.57 cfs

2. Alternate Method for Checking Purposes.

$$\text{Theoretical } Q = \frac{8.8(1.70)(100)}{60 + 231(0)} = 10.27 \text{ cfs}$$

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) $\div$ 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

$$(369)(3 \text{ af}) = 1107 \text{ af} \quad (34-7075)$$

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (344)(3 \text{ af}) = 1032 \text{ af} \quad (34-7181)$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 3.41 \text{ cfs} (214) 1.9835 = 1447.4 \text{ af} \quad 34-7181$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 1107 \text{ af} \quad (34-7075) \quad 1032 \text{ af} \quad (34-7181)$$

2. Volume Calculations for Other Uses

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

- SEE ATTACHED ANALYSIS -

License 34-7075 & 34-7181 so as to spread the water over all of the ground equally i.e. $7.07 \text{ cfs} / 713 \text{ ac} = 0.0099189 \text{ cfs/ac}$

Use capacity measured by James H. Milligan 10-20-1979
 $Q = 3174 \text{ gpm} \approx 7.07 \text{ cfs}$

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
34-7075				
Irrigation	4/1	11/1	3.66 cfs	1107 afa
34-7181				
Irrigation	4/1	11/1	3.41 cfs	1032 afa
Totals:				

2. Recommended Amendments

- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None (34-7181)
☒ Change P.U. as reflected above (34-7075) ☐ Add P.U. as reflected above ☐ Other

J. AUTHENTICATION

Field Examiner's Name

Scott King

Signature

Keith C. Wilson
7-3-1991

Certification Date

CONSULTANT SEAL

Field Report Preparation Date

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

MICROFILMED
FEB 07 1992

10/15/90

PERMIT # 34-7075 ~~+ 34-7181~~

METER # 120386

MEASURED INSIDE PIPE DIAMETER IN INCHES (ID)

Thickness in Inches = .114 T

$$ID = (0.3183 \times CIR) - (2 T) = 11.80 \text{ ID}$$

DIFFERENTIAL PRESSURE READING IN INCHES OF H2O

$$(47.1) - (34.3) = 12.8 \text{ H}$$

High reading - Low Reading

DETERMINE v_h FROM CHART USING (H): 17.3 v_h

(Example $H = 12.3$, $V_h = 16.9$)

CALCULATION OF FLOW IN CFS:

$$Q \text{ cfs} = [(II/4) \times (id)^2 \times Vh] / 448.8$$

$$Q_{cfs} = [0.78539 \text{ (11.80)}^2 \text{ (17.3)}] / 448.8$$

Q cfs = 4.22 cfs

DECLASSIFIED

FEB 07 1992

Scott King
MEASURED BY

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

34-7075

Permit No.

~~34-7181~~

Measurement Calculations

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

Theoretical Flow

$$\text{EQUATION} \quad Q = \frac{8.8(\text{efficiency})(\text{Horsepower})}{\text{Pumping Depth} + 2.31(\text{pressure})} = [\text{cfs}]$$

max efficiency = 70%

Horsepower = 100 HP

Pumping Depth = 60 feet

Pressure $\approx$ 0 psi (open discharge)

$$Q = \frac{8.8(0.70)(100)}{60 + 2.31(0)}$$

$$= 10.27 \text{ cfs}$$

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

PERMIT NO. 34-7075
PERMIT NO. 94-7181

ITEM H.

REMARKS AND OVERLAP REVIEW ANALYSIS:

Measurement 10-20-1979 by James H. Milligan

$$Q = 3200 \text{ gpm} = 7.13 \text{ cfs}$$

$Q = 3174 \text{ gpm} = 7.07 \text{ cfs}$ (from statement from A.T. Wallace P.E. regarding measurement of James H. Milligan. It is my belief that the 3200 gpm reading is in fact only 3174 gpm rounded to the next even 100 gallons. Therefore, capacity of the system is only 7.07 cfs (3174 gpm).

Measurement 10-15-1990 by Scott King

Pumping depth = 60 feet

$$Q = 4.22 \text{ cfs}$$

Theoretical Capacity:

$$Q = \frac{\text{hp (8.814) (eff)}}{\text{lift} + (2.308 \times \text{psi})} = \text{cfs}$$

hp = 100, lift = 60 ft, PSI = 0 for open discharge

$$Q = 10.28 \text{ cfs}$$

From the 1979 measurement $Q = 7.07 \text{ cfs}$ the efficiency can range from 48.13% to 70% at 60 ft., or the pumping depth can range from 60 ft. to 87.26 ft. at 70% efficiency, and the theoretical capacity will remain BETWEEN $Q = 7.07 \text{ cfs}$, and 10.28 cfs.

Therefore, I recommend that the capacity of 7.07 cfs be used as the system capacity and the 7.07 cfs is used equally over all the land under both 34-07075 (369 ac) & 34-07181 (344 ac).

$$(7.07 \text{ cfs} / 713 \text{ acres} = 0.0099189 \text{ cfs/ac})$$

$$34-07075 @ 369 \text{ ac} \times 0.0099189 \text{ cfs/ac} = 3.66 \text{ cfs}$$

$$34-07181 @ 344 \text{ ac} \times 0.0099189 \text{ cfs/ac} = 3.41 \text{ cfs}$$

+

TOTAL SYSTEM CAPACITY = 7.07 cfs

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FEB 07 1992

Keith C. Wilson
KEITH C. WILSON

MODE SELECT
INPUT

OUTER DIAMETER
10.8024 IN

PIPE MATERIAL
? CS,SS

WALL THICKNESS
.280000 IN

INNER LINING
? NO LING.

KIND OF FLUID
? WATER

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
8.485 IN U

DAMPING SET
00 SEC

ZERO MODE
CLEAR

ZERO MODE
AUT ZERO

ZERO MODE
ZERO OPR

MODE SELECT
TO CHECK

0391.8 MMSEC
102.37 % T0

08-03 13:4800 *R
+002.90 % AI2

MODE SELECT
TO CHECK

0391.8 MMSEC
102.36 % T0

MODE SELECT
INPUT

OUTER DIAMETER
10.8024 IN

PIPE MATERIAL
? CS,SS

WALL THICKNESS
0.2799 IN

INNER LINING
? NO LING.

KIND OF FLUID
? ANOTHER

SOUND VELOCITY
1450 M/S-

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
8.274 IN U

ZERO MODE
CLEAR

ZERO MODE
AUT ZERO

ZERO MODE
ZERO OPR

MODE SELECT
TO CHECK

0390.4 MMSEC
100.32 % T0

08-03 13:5800 *R
+002.80 % AI2

MODE SELECT
DATA SET

DATA SET MODE
? PRINTER

14:00+ 1.336E 3GPM 00R

14:01+ 1.326E 3GPM 00R

14:02+ 1.320E 3GPM 00R

14:03+ 1.320E 3GPM 00R

14:04+ 1.320E 3GPM 00R

14:05+ 1.322E 3GPM 00R

DAMPING SET
25 SEC

14:07+ 1.329E 3GPM 00R

14:08+ 1.330E 3GPM 00R

14:09+ 1.328E 3GPM 00R

14:10+ 1.321E 3GPM 00R

14:11+ 1.316E 3GPM 00R

14:12+ 1.328E 3GPM 00R

14:13+ 1.333E 3GPM 00R

34-7201
by
Acer

34-7201

MICROFILMED
FEB 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
MAY 06 1991

Department of Water Resources

A. GENERAL INFORMATION

1. Owner Everett T Acor Jr or Ruth P Acor Permit No. 34-7201
Current Address P.O. Box 13 Moore, ID Phone No. 554-3561
2. Accompanied by: Ruth Acor EXAM DATE: 7-23-90
Address: same Phone No. _____
Relationship to Permit Holder: holder
3. Source: groundwater tributary to _____

B. OVERLAP REVIEW

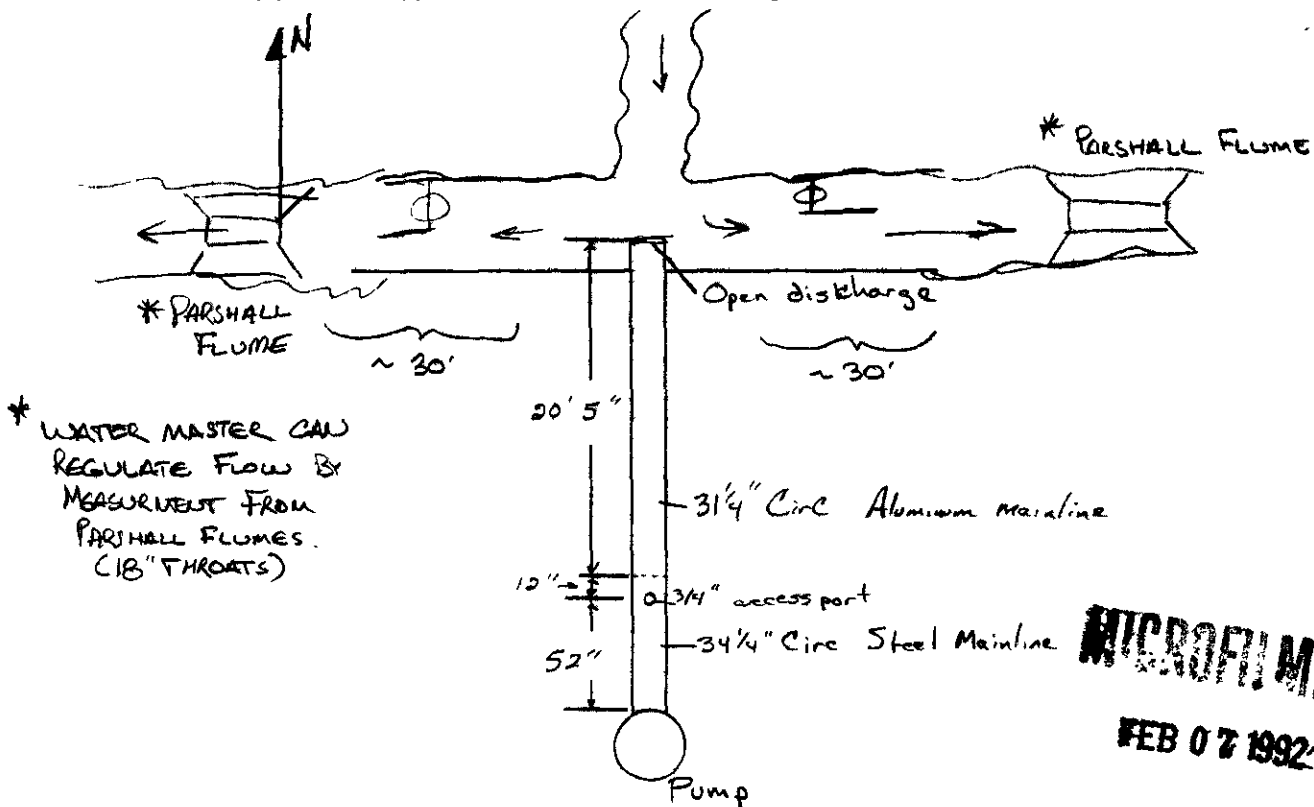
1. Other water rights with same place of use. 34-0621 (Big Lost River Rights)

☐ Copies Attached
2. Other water rights with same point of diversion: 34-7179

☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

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



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FEB 07 1992

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)

System Description (continued)

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

Well, Pump, to mainline ^{open discharge} to canal
 Irrigation of 50 acres in section 33 (T5N R26E) is from canal, the canal is recharged downstream in section 4, T4N R26E, from groundwater, pump # 405

☐ 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
405	GE	50	ENJS18357	Aurora	37771597

*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
405	2		NW	NE	4	4N	26E	Butte	USGS Quad, on site inspection
			SE	SE	4	5N	26E	Butte	U.S.G.S. Quad, WATER DIST RECORD *

REDIVERSION

* REDIVERSION KNOWN AS - MOORE DIVERSION

6. Place(s) of Use:

Indicate Method of Determination USGS Quad, Aerial Photo

Twp.	Rge.	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
5N	26E	33	14	36															50

Do not use this space

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FEB 07 1992

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Water level Indicator	Electric	M-Scope			500'	
Flow Meter Station	Non-Contact	Polysonics	TF-P		20" (Small)	

2. Measurements:

Pumping depth - 66' 10"
Sonic Meter - 1336 gpm = 2.98 cfs

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1 Measured Method:

Sonic meter $\Rightarrow$ 1336 gpm = 2.98 cfs Q Limited by Permit to 1.00 cfs

2 Alternate Method for Checking Purposes:

See Licensing Report Theoretical $Q = 4.45$ 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) $\div$ 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

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 50(3.0) = 150 \text{ afa}$

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.00(214)(1.9835) = 424.5 \text{ afa}$

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 150 \text{ afa}$

2 Volume Calculations for Other Uses

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FEB 07 1992

H. REMARKS AND OVERLAP REVIEW ANALYSIS

LICENSE 34-07179 FROM SAME SOURCE. 34-07179 LICENSED FOR
2.78 cfs. / CAPACITY MEASURED IN 1983 WAS 7.45 cfs.

RECOMMEND CONDITIONS: R05, R04, R03

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	1.0 cfs	150 afa
Totals:			1.0 cfs	150 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 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.

MicroFILMED
FEB 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Permit No. 34-7075
Phone No. 527-3107

Owner: Arthur W. Quist
Current Address: Rt 1 Box 203, Arco, Id 83213

Accompanied by: _____ EXAM. DATE: October 20, 1979
Address: _____ Phone No: _____
Relationship to Permit Holder: _____
Source: Groundwater tributary to _____

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	NEWMAN	100	S1301601	Aurora	377158

*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.)

Diverts to Big Lost R. Irrig. Dist. East Side Canal then to Arco Canal diverted from Arco canal to farm ditches

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
CURRENT METER						

7. Measurements ~~3200~~ ☐ Additional data/computation sheets attached

374 gpm = 7.07 cfs SEE ATTACHED LETTER FROM
A.T. Wallace, P.E. and James H.
Milligan

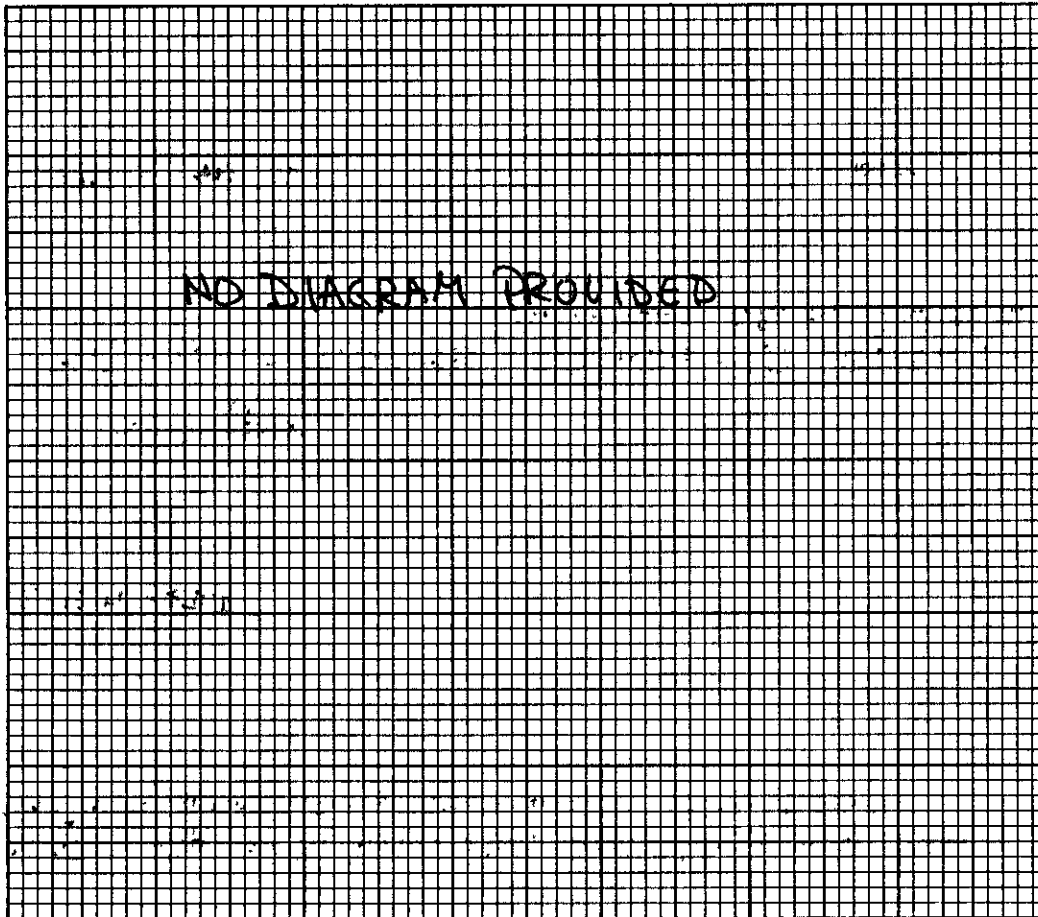
8. Point(s) of Diversion:	Indicate Method of Determination
---------------------------	----------------------------------

[illegible]

9. Place(s) of Use: Irrigation - give acres served by system at time of exam.
Indicate Method of Determination

[illegible]

10. Other water rights on these lands _____
11. Other water right diverted from same p.d. _____
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 See "Item H. Remarks And Overlap Review Analysis" attached to Field Exam

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FEB 07 1992

15. 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

16. Examiner's/Consultant's Signature James H. Milligan P.E. Date Oct 20, 1979

Consultant's License Number 4844

IDWR Director's Authorization to Conduct

Beneficial Use Examination _____

Date

CONSULTANT SEAL

RECEIVED
DEC 15 1979
Department of Water Resources

Moscow, Idaho
30 November 1979

Department of Water Resources
Water Rights Division
Statehouse Mail
Boise, ID 83720

Attn: Rita
Re: Permit No. 34-7075

To Whom It May Concern

This letter is to certify that the discharge of the well owned by Art Quist of Arco, Idaho, Permit No. 34-7075, was measured by James H. Milligan on October 20, 1979, and was found to be 3174 gallons per minute. The discharge rate would be greater with higher groundwater elevations as a function of the pump curve.

Respectfully

A. T. Wallace, P.E.

b

RECEIVED

DEC 26 1979

Department of Water Resources
Eastern District Office

Att. Wallace
1 Dec 1979

FEB 07 1992

University
of Idaho
MOSCOW, IDAHO 83843

JAMES H. MILLIGAN P.E., PE
PROFESSOR AND CHAIRMAN
DEPARTMENT OF CIVIL ENGINEERING
PHONE (208) 885-6782

HOME PHONE (208) 882-3063
SPECIALIST IN HYDRAULICS,
HYDROLOGY

34-7075

EXAM DATE

OCT 26, 1979

James H. Milligan, P.E.

LIC No. 4844

FLOW RATE MEASURED AT
3200 gpm by current meter.

Application:

ARTS BIG WELL:

ID. No. 34-7075

WELL PUMP

AURORA VERTILINE.

No. 3777158.

TYPE 14 FHM

STAGE = 2

GPM = 3600

HEAD = 77'

RPM = 1770

WELL MOTOR

NEUMAN ELECT. MOTORS, Houston
Texas

NEUMAN, 3 ph. Induction

FRAME 404TP/DD3722PB

No. S1301601 ✓

HP = 100 RPM = 1775

460 Volts 118 amp

3 phase 60 Hz

Ins Class B

Code F Design B

Cont. Rating

WELL LOCATION:

SE 1/4 NW 1/4 Sec 3 T4N R26E Butte Co.

Applic. for 8 cfs

WELL DIA. 20" in. to 150 ft.

Easement purch. from James S. Babcock

Diverts to Big Lost R. Irrig. Dist. East Side Canal,
then to Arco Canal, diverted from Arco canal to farm ditches

Placing Use:

T3N R27E Sec 8 NE 1/4

NE 1/4 NW 1/4 SW 1/4 SE 1/4
40 40 40 40

NW 1/4

SE 1/4
40

SE 1/4

NE 1/4 NW 1/4 SW 1/4 SE 1/4
40 40 40 40

360 Ac. in
Sec 8

T3N R27E Sec 9

NW 1/4

SE 1/4

NW 1/4 SW 1/4
40 20

NE 1/4
25

85 Ac. in
Sec 9

445 Ac. total

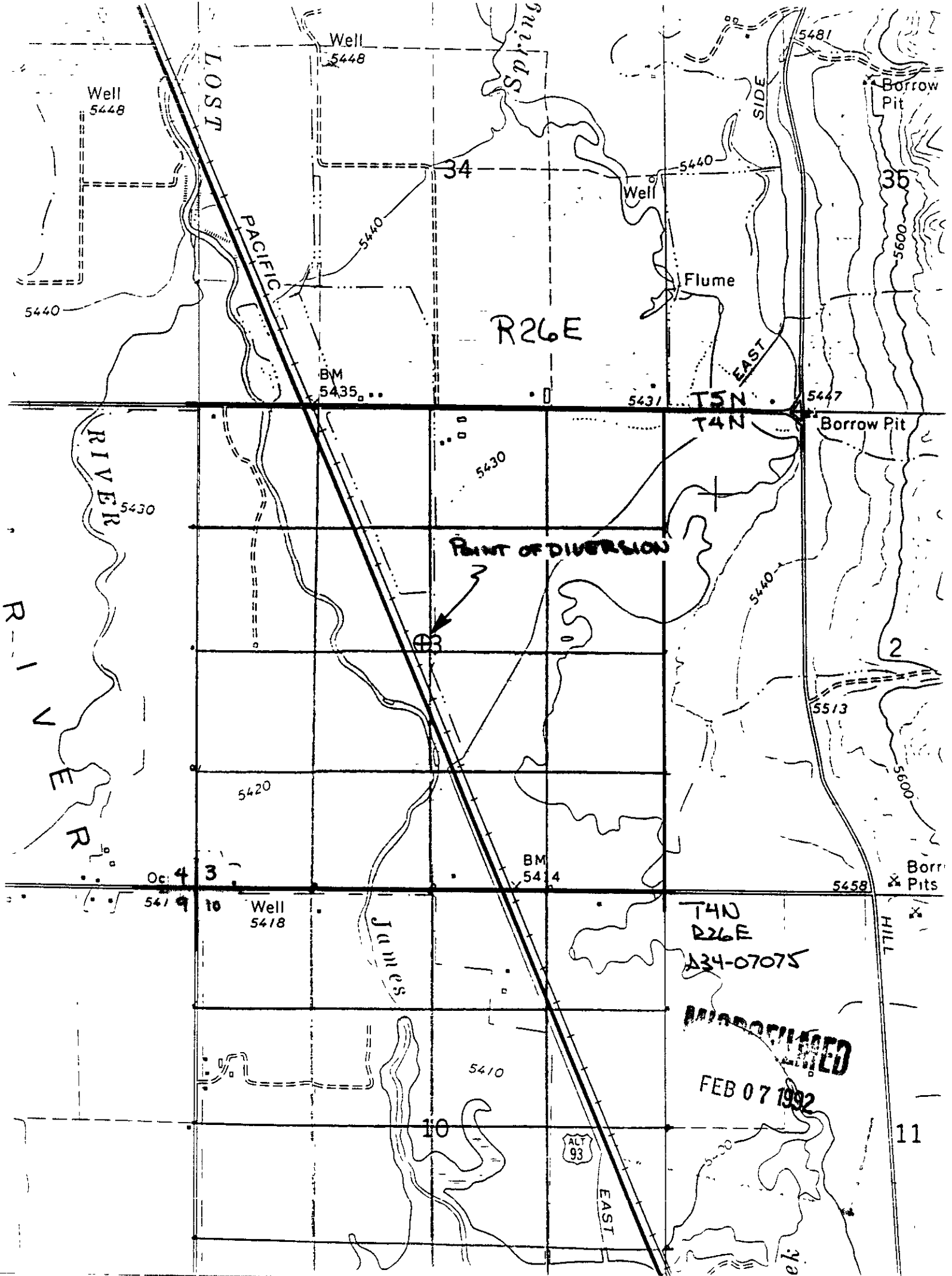
Present Use by flood irrig. - Re-use via reservoir & pump
may include sprinklers in future

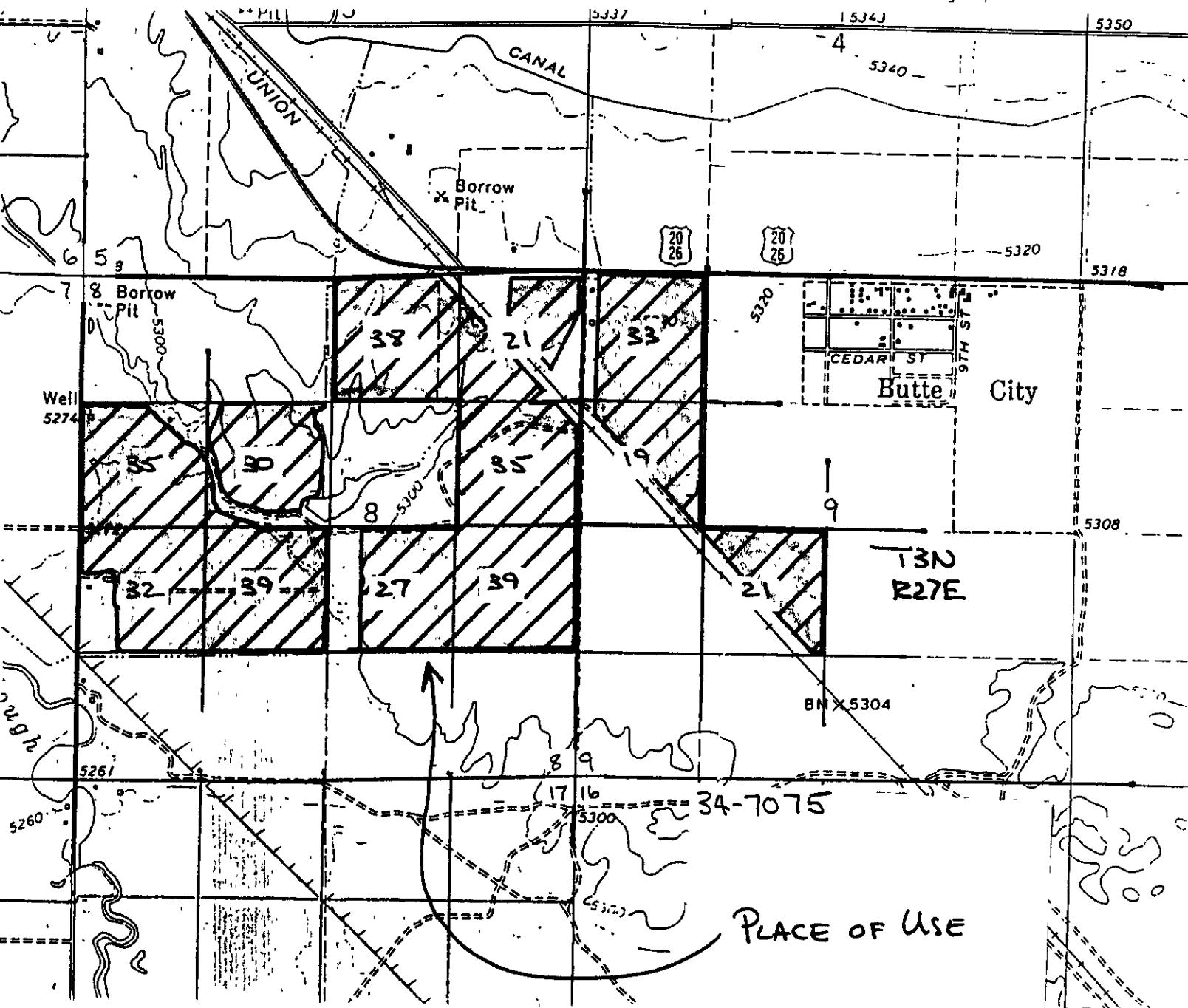
RECEIVED

FEB 07 1992

AUG 12 1985

Department of Water Resources
Eastern District Office



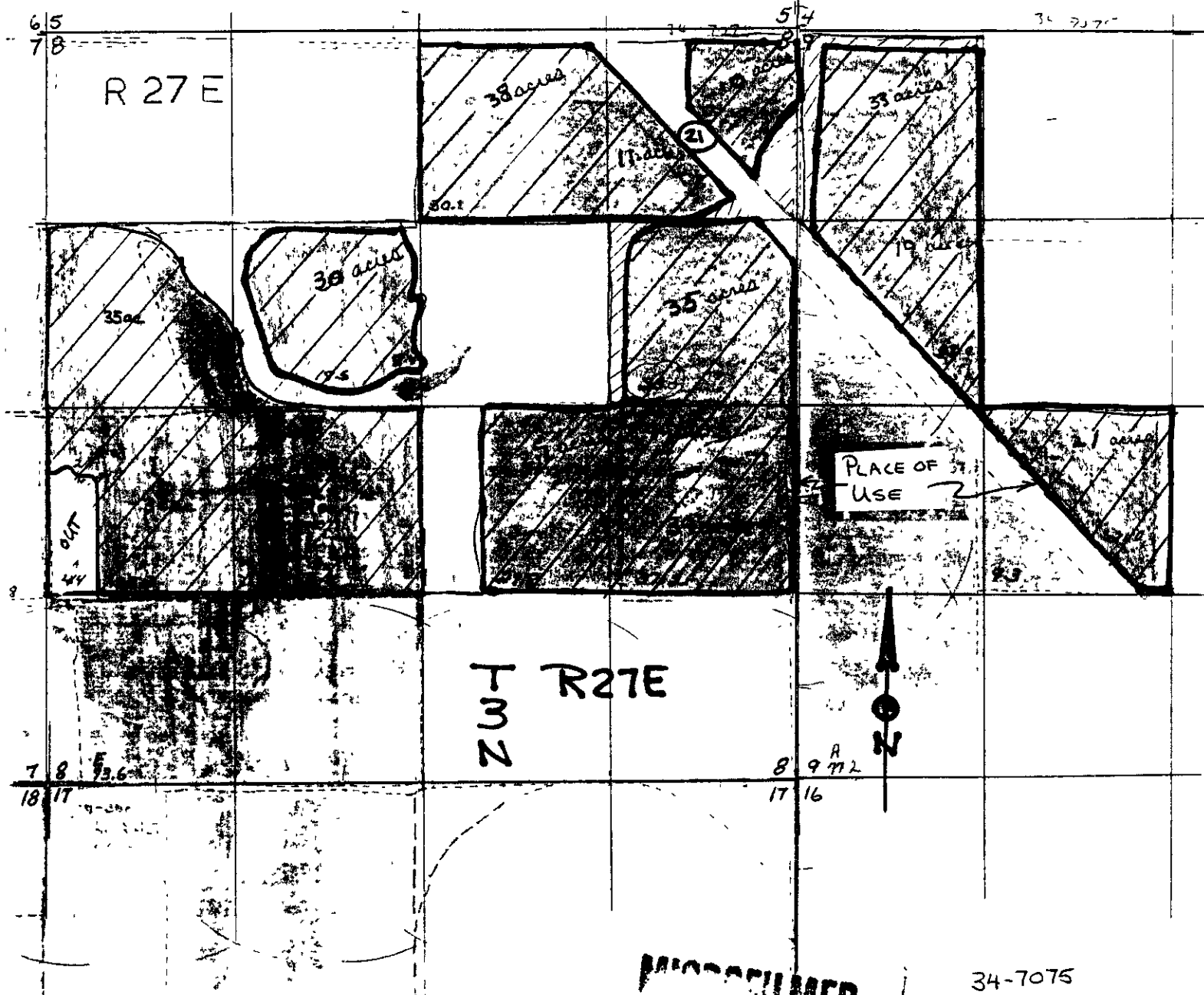


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FEB 07 1992

34-7075

PLACE OF USE



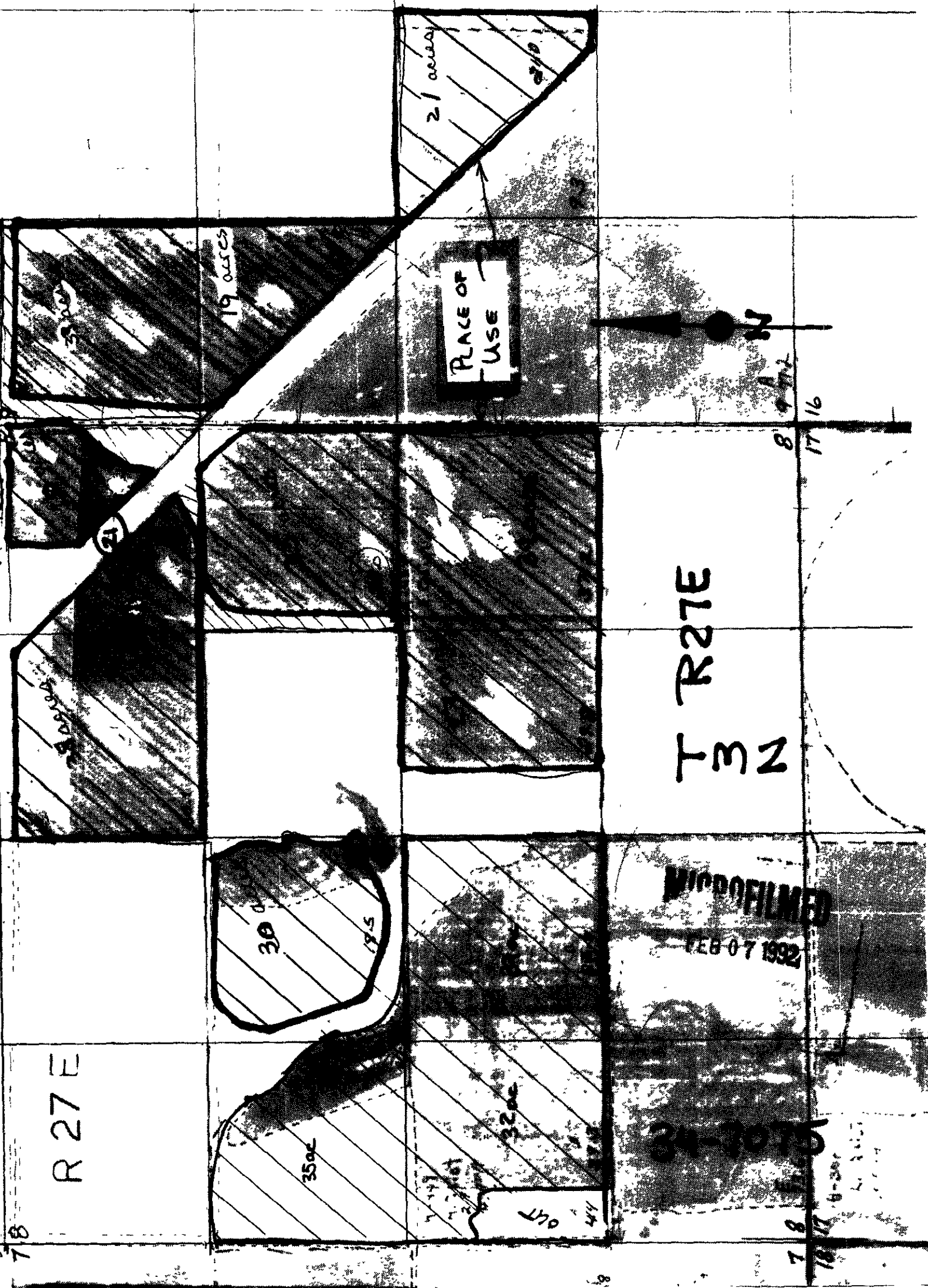
MICROFILMED

FEB 07 1992

34-7075

34-3075

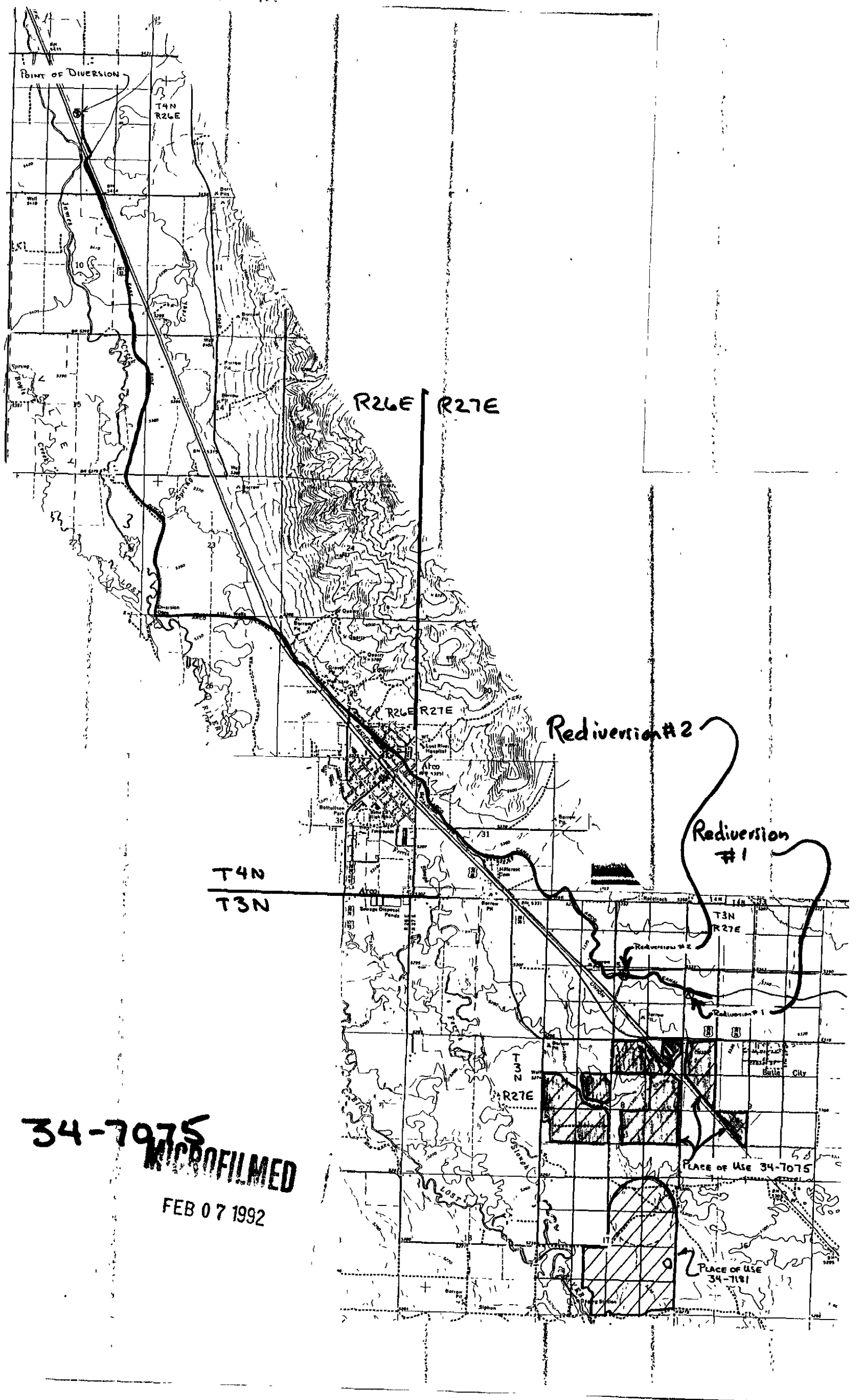
34-3075



R 27 E
T 32 N

MICROFILMED
FEB 07 1992

34-3075



34-7075
MICROFILMED
FEB 07 1992



well/pump

MICROFILMED

FEB 07 1992

34-7075
34-7181



Well & Pump



FEB 07 1971

34-7075
34-7181



→ OPEN
DISCHARGE

Well & Pump



OPEN DISCHARGE

→ well & Pump

RECEIVED
34 EPCO 75
34-718 1992



REDIVERSION #1
from
Arco Canal

REDIVERSION #1
Parshall Flume

MIAD-7075
34-718M
FEB 07 1992



REDIVERSION
#2
From Arco Canal

Submerged
rectangular
weir at
Rediversion #2

Original Photos
are in File 34-7075

34-7075
34-7181
77992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT (Partial)

A. GENERAL INFORMATION

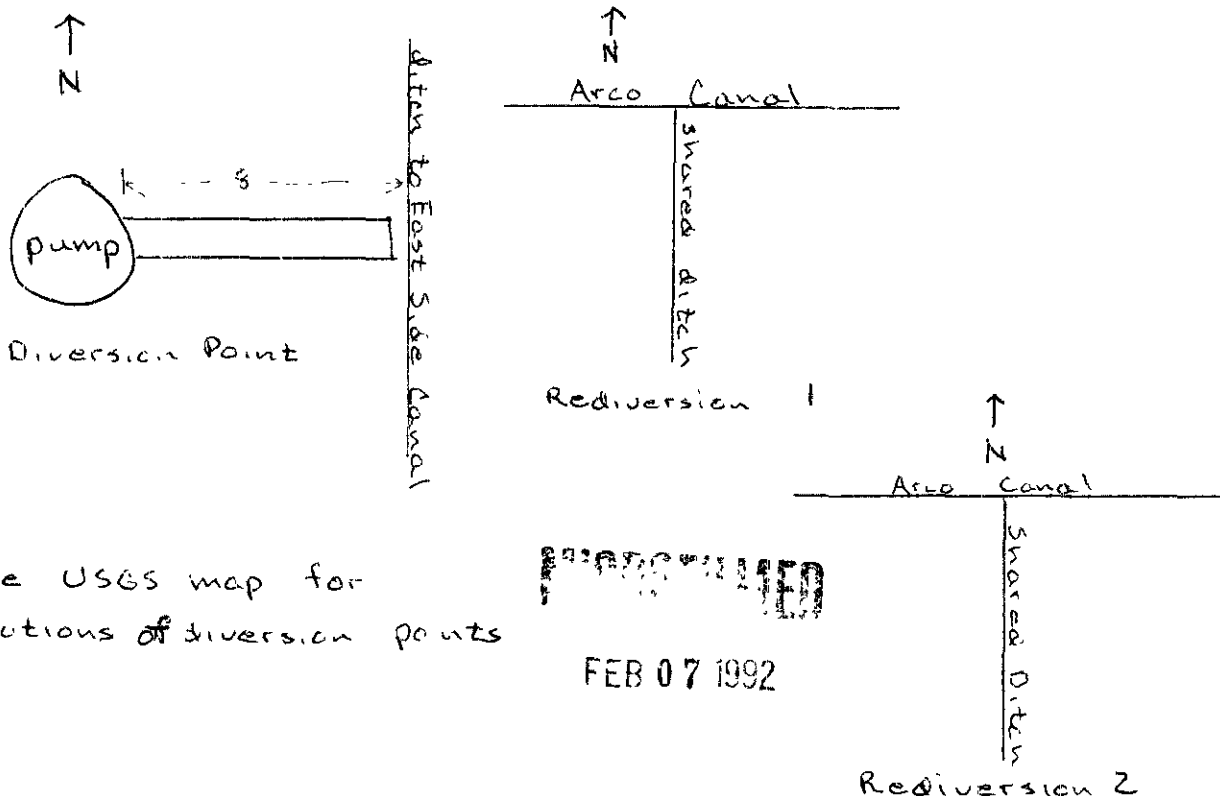
1 Owner Arthur W Quist Permit No 34-7075
Current Address Rt #1 Box 203 Arco, Id 83213 Phone No. 527-3107
2 Accompanied by Arthur w Quist EXAM DATE 7/16/87
Address Rt #1 Box 203 Phone No. 527-3107
Relationship to Permit Holder applicant
3 Source groundwater tributary to N/A

B. OVERLAP REVIEW

1 Other water rights with same place of use see comments
☐ Copies Attached
2 Other water rights with same point of diversion no
☐ 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).
☒ 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)

System Description (continued)

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

well/pump with open discharge into East Side Canal,
then diverted into Big Lost River, then into Arco
Canal, then to shared ditches, and finally to
Quist Property (There are 2 reversions from Arco
Canal

System was not operating at time of this exam
Weirs are located on the shared ditches, but never
measure only Mr. Quist's water ☐ 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
	Newman	100	51301601	Aurora	3777158

*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
PD			SE	NW	3	4N	26E	Butte	USGS
RD1			NW	SW	4	3N	27E	Butte	USGS
RD2			NW	SE	5	3N	27E	Butte	USGS

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

Indicate Method of Determination 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	
3 N	27 E	9						31	20		23								74
3 N	27 E	8	24	37		33				28					39	27			188
																			262

7 1992

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1

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

2 Measurements:

see report of Jim Milligan, P.E.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method

3174 gpm $Q = 7.07 \text{ cfs}$

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) $\div$ 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 0.01732 = _____ (6)

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

G. VOLUME CALCULATIONS

SEE EXAM 10-15-1990

1. Volume Calculations for Irrigation

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \frac{(262)(3)}{1} = 786 \text{ a/a}$

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \frac{(7.1)(214)(1.9835)}{1} = 3013$

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 786 \text{ a/a}$

2. Volume Calculations for Other Uses

RECEIVED
FEB 07 1992

H. REMARKS AND OVERLAP REVIEW ANALYSIS

There are several licenses with the same legal description for place of use, but a review of their field exams shows no overlap. Application 34-7441 does overlap and should be conditioned if approved

I. RECOMMENDATIONS SEE Exam dated 10-15-1990

1 Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	4/1	11/1	5.3	786
Totals:			5.3 cfs	786 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 7/22/87

CONSULTANT SEAL

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

MICROFILMED

FEB 07 1992



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

December 26, 1979

RE: Permit No. 34-7075

Arthur W. Quist
Arco, ID 83213

Dear Mr. Quist:

Enclosed is a copy of an order reinstating your permit and advancing the priority date to August 18, 1974.

We acknowledge receipt of the proof of beneficial use card submitted for the above referenced permit.

Before a license can be issued, a field examination must be made by a representative of this department. We cannot tell just when this examination will be made, but our examiner will try to contact you at the time he makes the examination so that you may show him the system.

If you have any questions regarding the field examination, please contact our eastern regional office.

Very truly yours,

JACKIE S. DENNING
Senior Clerk

cc: IDWR - State Office

MICROFILMED

FEB 07 1992

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. 34-7075.

Name(s) of Permit Holder: Arthur W. Priest

Post Office Address. 6111

Groundwater

Tel. No. 527-3107

Source of Water: _____

Extent of Use:

☐ Domestic

(number of households)

☐ Stockwater

(number and type of stock)

☒ Irrigation

400

(acres)

☐ Other

Certified measurement by prof. engineer

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.

2-9-79

Date

Arthur W. Priest

Signature of Permit Holder

Art Quint

RT #1 13454

Arco Hills 83213

RECEIVED

OCT 11 1979



Department of Water Resources

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

TO Dave Tuttle 11:00
 DATE 10/29 WHILE YOU WERE OUT TIME 12:45
 M James M. Mulligan
 OF Morrison
 PHONE 885-6782 EXT. 10
 AREA CODE NUMBER

☒ Telephoned ☐ Returned Your Call ☐ Will Call Again
☒ Please Call ☐ Called to See You

Well Permit 34-7075 - Art Quast
 of Area, Idaho - needs permit
 upon - due this ~~year~~ month
 Mr. Mulligan needs ^{to know what} format &
 info he needs to send in.

DATE		TO		FROM	
TIME		REF. No (if any)		PER.	
FOR YOUR		REVIEW AND		PER.	
☐ Information	☐ Call Me	☐ See Me	☐ Our Conversation	☐ Your Request	☐ Boss's Request
☐ Approval	☐ Comment & Return	☐ Take Proper Action	☐ Draft a Reply for Me	☐ Signature	

MICROFILMED

ROUTING SLIP

INTER-DEPARTMENT MEMO — 1

DATE 11/2/79

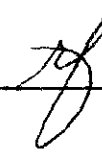
FROM Rita

TO File

SUBJECT Beneficial Use

On this date, James Milligan, consulting engineer for Arthur Quist visited this office for information concerning what is needed to supply us with a certified measurement. He will be sending a letter soon. Also, he provided the additional information needed to make the b/u postcard complete.

MICROFILMED



SIGNATURE

RECEIVED
DEC 5 1979
Department of Water Resources

Moscow, Idaho
30 November 1979

Department of Water Resources
Water Rights Division
Statehouse Mail
Boise, ID 83720

Attn: Rita
Re: Permit No. 34-7075

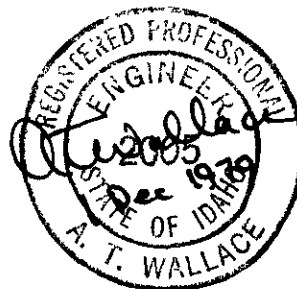
To Whom It May Concern

This letter is to certify that the discharge of the well owned by Art Quist of Arco, Idaho, Permit No. 34-7075, was measured by James H. Milligan on October 20, 1979, and was found to be 3174 gallons per minute. The discharge rate would be greater with higher groundwater elevations as a function of the pump curve.

Respectfully

A. T. Wallace, P.E.

b



MICROFILMED

WARNING

CANCELLED OR LAPSED

This permit has been officially CANCELLED or LAPSED.

Ninety days following the date of official action this file will be DESTROYED.

MICROFILMED

ST. TEHOUSE
BOISE, IDAHO 83720
(8) 384-2215

OC TBER 04, 1979

YOUR PERMIT CANNOT BE REINSTATED UNLESS YOU SUBMIT THE PROOF OF BENEFICIAL USE AFFIDAVIT, ENCLOSED, OR SHOW OTHER REASONABLE CAUSE WHY THE PERMIT SHOULD BY REINSTATED WITHIN 60 DAYS FROM THE DATE OF THIS LAPSE NOTICE.

C. STEPHEN ALLRED
DIRECTOR

ENCLOSURE

10/10/75
Rita Fleck

MICROFILMED



State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 373 W. Franklin Street, Boise, Idaho

JOHN V. EVANS
Governor

C. STEPHEN ALLRED
Director

Mailing address
Statehouse
Boise, Idaho 83720
(208) 384-2215

101156

July 31, 1979

Arthur W. Quist
Route 1, Box 54
Arco, ID 83213

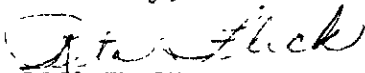
Dear Mr. Quist:

One of the conditions of approval of your water Permit No. 34-7075 was that evidence of the extent of development must be submitted to this office on or before October 1, 1979. (See last page of your approved permit). Enclosed is a post card 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.

Either the beneficial use post card 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 60 days.

Sincerely,


RITA FLECK
Sr. Secretary

Enc: 1

RECEIVED
JUL 31 1979
STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES



State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 373 W. Franklin Street, Boise, Idaho

JOHN V. EVANS
Governor

C. STEPHEN ALLRED
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 384-2215

July 30, 1979

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.
Supervisor, Water Allocations Section

DRT:lr

Enclosures

Northern Region Office
Rt. #5, Box 203 Government Way
Coeur d'Alene, Idaho 83814

Eastern Region Office
1515 Lincoln Street
Idaho Falls, Idaho 83401

Southern Region Office
1041 Blue Lake Blvd. North
Twin Falls, Idaho 83301

Western Region Office
92 S. Cole Road
Boise, Idaho 83705

RECEIVED

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED

WELL DRILLER'S REPORT

JUN 13 1977

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

Department of Water Resources

Eastern District Office

1. WELL OWNER

Name ART QUIST
Address RT 1 - Box 34 ARCO IDAHO 83213
Owner's Permit No. 34 70 75

7. WATER LEVEL

Static water level 18 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow
Temperature ° F. Quality
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>3640</u>	<u>52'</u>	<u>12 HRS.</u>

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>20</u>	<u>0</u>	<u>8</u>	<u>SOIL</u>		
	<u>8</u>	<u>16</u>	<u>GRAVEL</u>		
	<u>16</u>	<u>23</u>	<u>CLAY</u>		
	<u>23</u>	<u>47</u>	<u>SAND & GRAVEL</u>		
	<u>47</u>	<u>55</u>	<u>SANDY CLAY</u>		
	<u>55</u>	<u>114</u>	<u>SAND & GRAVEL</u>		
	<u>114</u>	<u>124</u>	<u>CLAY</u>		
	<u>124</u>	<u>166</u>	<u>SAND & GRAVEL</u>		

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 166 feet
Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>20</u> inches	<u>1</u> feet	<u>166</u> feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☒ Yes ☐ No
How perforated? ☒ Factory ☐ Knife ☐ Torch
Size of perforation 1/8 inches by 2 inches

Number	From	To
<u>3510</u> perforations	<u>21</u> feet	<u>156</u> feet
perforations	feet	feet
perforations	feet	feet

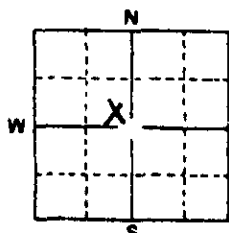
Well screen installed? ☐ Yes ☒ No
Manufacturer's name
Type Model No.
Diameter Slot size Set from feet to feet
Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☒ No Size of gravel
Placed from feet to feet

Surface seal depth 20 Material used in seal ☐ Cement grout
☐ Pudding clay ☒ Well cuttings
Sealing procedure used ☐ Shurry pit ☐ Temporary surface casing
☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

Lot No. Block No.

County BUTTE

SE 1/4 NW 1/4 Sec. 3 T. 4 N. R. 26 E. M.

10.

Work started FEB 25/77 finished MAR. 16/77

11. DRILLERS CERTIFICATION

Firm Name GUTHRIE WELL DRILLING Firm No.
Address P.O. BOX 319 ARCO IDAHO 83213
Signed by (Firm Official) G. T. Guthrie
and
(Operator) G. T. Guthrie

October 16, 1974

Re: Permit No. 34-7075

Mr. Arthur Quist
Route 1, Box 54
Arco, Idaho 83213

Dear Mr. Quist:

Enclosed is a copy of your approved Application for Permit No. 34-7075 . 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

BDF:jfr

Enclosures

UNRECORDED

XXXXXXXXXXXXXXXXXXXXX RESOURCES

September 30, 1974

Re: Application for Permit No. 34-7075 Quist
" " " No. 34-7077 Burnett
" " " No. 34-7078 Soalberg

Arco Advertiser
Box "C"
Arco, ID 83213

Gentlemen:

Would you please submit an affidavit of publication and certified bill in connection with each of the above referenced applications. The legal notices were to have been published in your paper on September 12 and September 19, 1974, (Quist application published on August 22 and August 29, 1974).

Your cooperation in this matter is greatly appreciated.

Very truly yours,

RONALD D. CARLSON
Acting District Engineer

RDC:MB

MICROFILMED

XXXXXXXXXXXXXXXXXXXXX RESOURCES

September 10, 1974

Re: Application for Permit No. 34-7075 Quist

Arco Advertiser
Box "C"
Arco, Idaho 83213

Gentlemen:

Would you please submit an affidavit of publication and certified bill in connection with the above referenced application. The legal notice was to have been published in your paper on August 22 and August 29, 1974.

Your cooperation in this matter is greatly appreciated.

Very truly yours,

RONALD D. CARLSON
Acting District Engineer .

RDC:MB

MICROFILMED

Called for affidavit 9/16/74-DB
" " " 9-13-74 MB 527-3038

~~XXXXXXXXXXXXXXXXXXXX~~ RESOURCES

August 23, 1974

Re: Application for Permit No. 34-7075

Mr. Arthur W. Quist
Route #1, Box 54
Arco, ID 83213

Dear Mr. Quist:

We re-checked our records and found that our plat for T. 4N, R. 26E, in which your well will be located was inadvertantly used to check for conflicting ground water rights. In T. 3N, R. 27E, which included your place of use, we find no conflicting rights. Please accept our apologies for any inconvenience my letter of August 19, 1974, has caused you.

Very truly yours,

RONALD D. CARLSON
Asst. to District Engineer

RDC:mb

MICROFILMED

XXXXXXXXXXXXXXXXXXXXX RESOURCES

August 19, 1974

Re: Application for Permit No. 34-7075

Mr. Arthur W. Quist
Route #1, Box 54
Arco, ID 83213

Dear Mr. Quist:

This office has commenced processing your application for permit to appropriate ground water. However, in checking our records we find that some of the land under this new appropriation is already covered under other licenses. License No. 34-2416 covers 80 acres in the S₁NE₄, Sec. 8, T. 3N, R. 27E, and License No. 34-2412 covers 25 acres in the NE₁SW₄, Sec. 9, T. 3N, R. 27E, B.M. These existing licenses in combination with this new appropriation result in a total appropriation on a portion of the land being in excess of the one inch per acre limitation which we can accept without receiving justification from the applicant. We do accept documents from the Soil Conservation Service and other soil experts showing that more than one inch per acre is required as adequate justification. If more than one inch per acre cannot be justified on this land, it will be necessary to reduce the amount of water you have applied for or to transfer the water under the existing licenses to other lands.

Your application will be ready for final action on September 9, 1974. If we have not heard from you by this time, the amount of water requested on your application will be reduced to 5.92 c.f.s.

If you have any questions, please feel free to contact us.

Very truly yours,

RONALD D. CARLSON
Asst. to District Engineer

RDC:mb

MICROFILMED

XXXXXXXXXXXXXXXXXXXXX RESOURCES

August 16, 1974

RE: Application for Permit No. 34-7075 - Quist

Arco Advertiser
Box "C"
Arco, Idaho 83213

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,

NORMAN C. YOUNG
District Engineer

NCY:CB

Bill submitted 10-2-74 by MB

Enc: Legal Notice (1)

MAILED

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that Arthur W. Quist,

Rt. #1, Box 54, Arco, Idaho

has on 8/9/74 submitted Application No. 34-7075

for a permit to appropriate 8.0 cubic feet per second ~~acre feet per annum~~

of water from a ground-water source

by means of well and pump

within the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T. 4N, R. 26E, B.M., Butte County;

to be used from Apr. 1 to Nov. 1

for the irrigation of 445 acres

within the E $\frac{1}{2}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 8, W $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, 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 September 9, 1974.

R. KEITH HIGGINSON

Director

Published in the Arco Advertiser, Arco, Idaho

on August 22 and August 29, 1974.

RECORDED

Handwritten:
7-11-74
nb-A