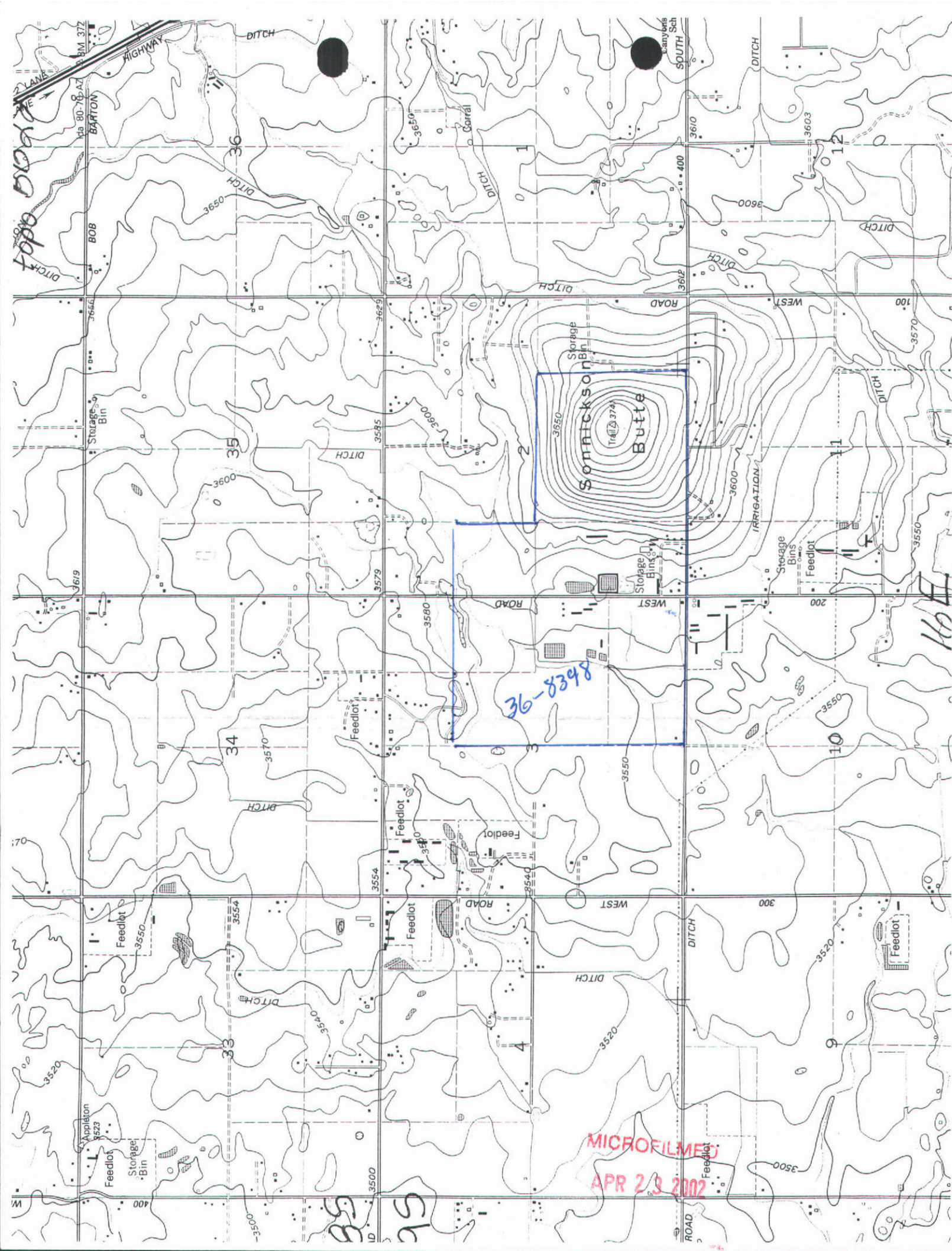




Other Dairy
Owned by
Dwight
Rosen

Dairy
Offices

Drive way

Fence separates the
two dairies.

200 W

MICROFILMED

OCT 02 2001

Corrals

Corrals

4001238
West Well

East Well - 4001239

Pump House

Milking Barn

Drive Way

36-08398

Idaho Department of Water Resource
Recommendation for Permit 36-08398
Aardema Dairy
c/o Ron Aardema

T09S

R16E



● Points of Diversion

□ Quarter-quarter Lines

□ Section Lines



Point of Diversion

T09S R16E S3

Data entry on Jan 19, 2000

Point of Diversion Presentation
1987/1988 NAPP Photography
Data Entry By: Amanda Folsom

Idaho Department of Water Resource

Recommendation for Permit

36-08517 & -08398

Aardema Dairy

c/o Ron Aardema

T09S

R16E



● Points of Diversion

□ Quarter-quarter Lines

□ Section Lines

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Point of Diversion

T09S R16E S3

Data entry on Jan 19, 2000

Point of Diversion Presentation

1987/1988 NAPP Photography

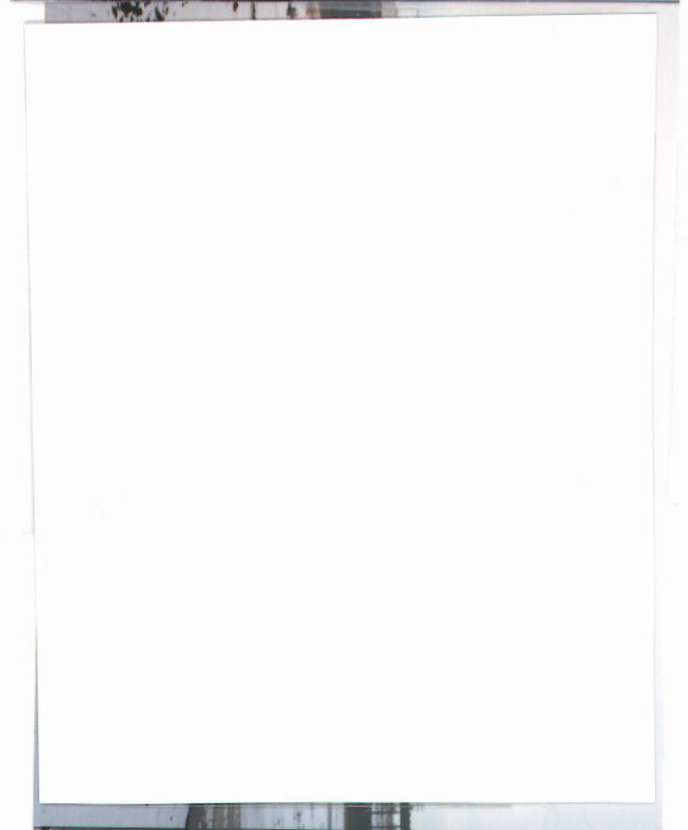
Data Entry By: Amanda Folsom



Looking inside Barn



Looking NW

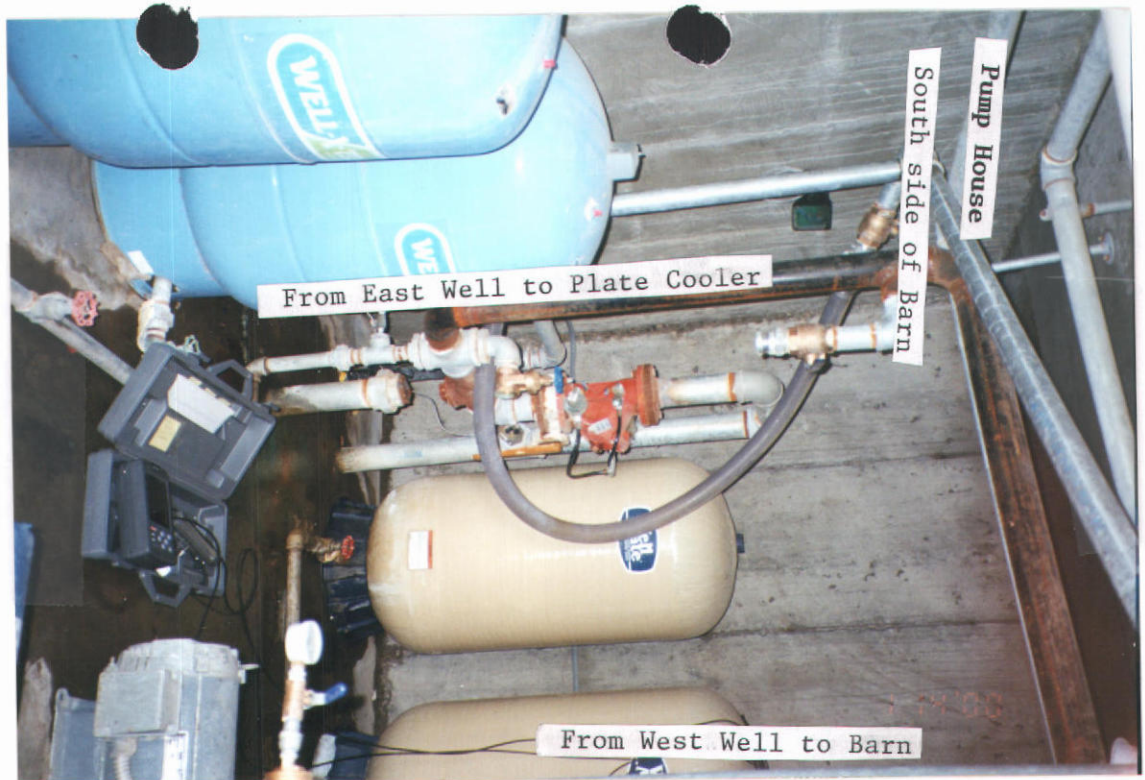


Corrals

MICROFILMED
OCT 02 2001

Aardema Dairy
c/o Ron Aardema
FE: Amanda Folsom
Date: Jan 14, 2000

36-08398



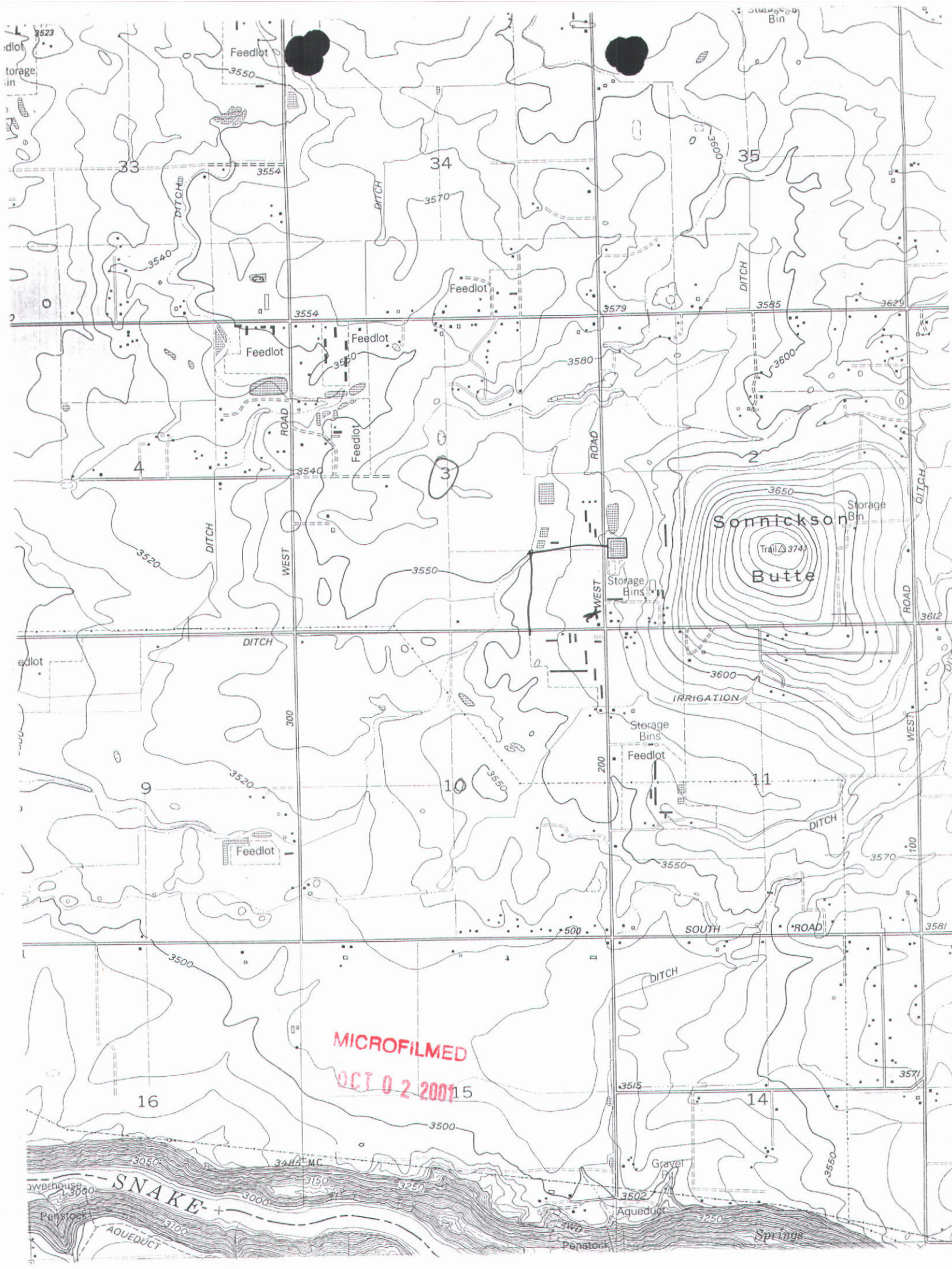
MICROFILMED

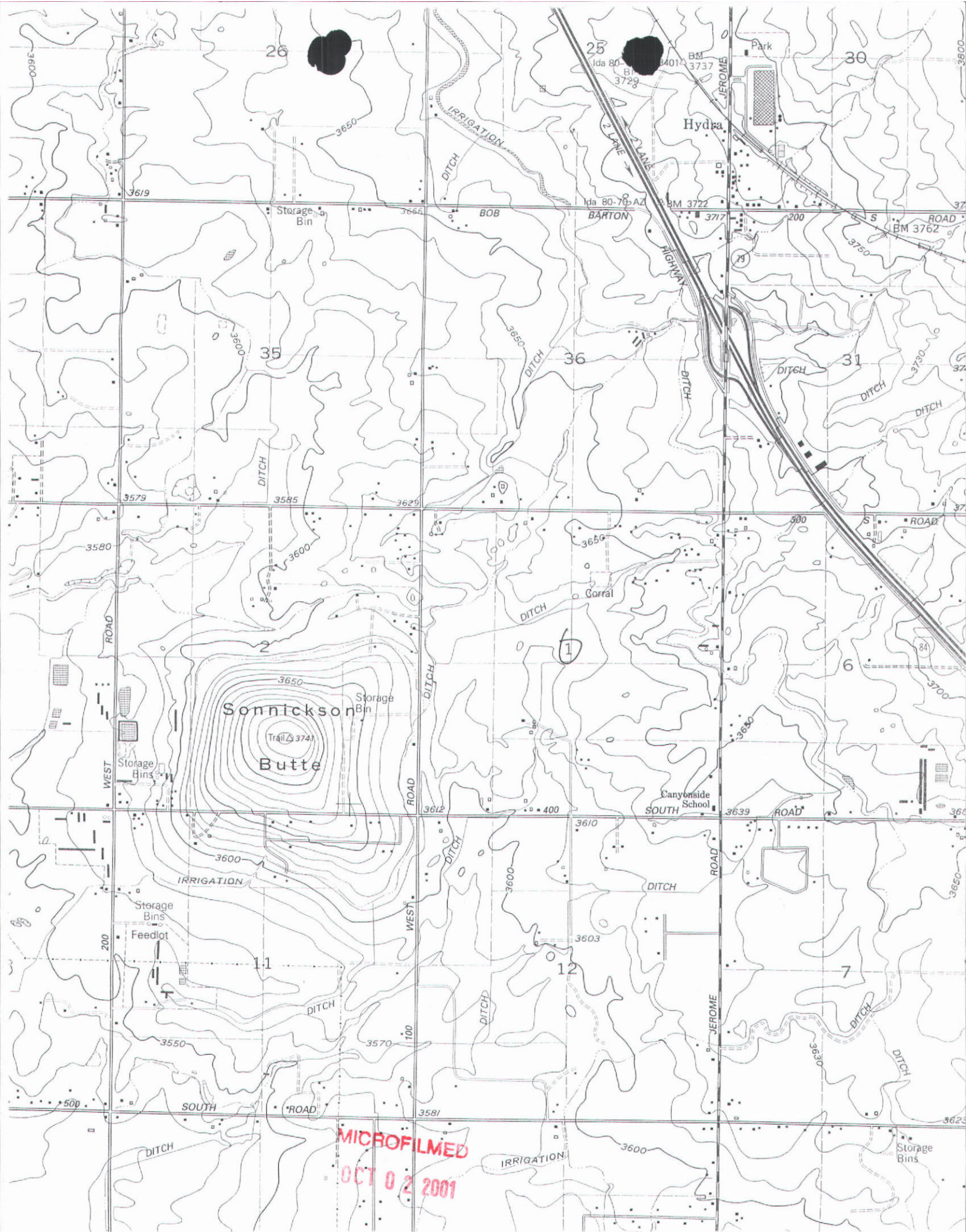
OCT 02 2001

Aardema Dairy
 c/o Ron Aardema
 FE: Amanda Folsom
 Date: Jan 14, 2000

36-08398



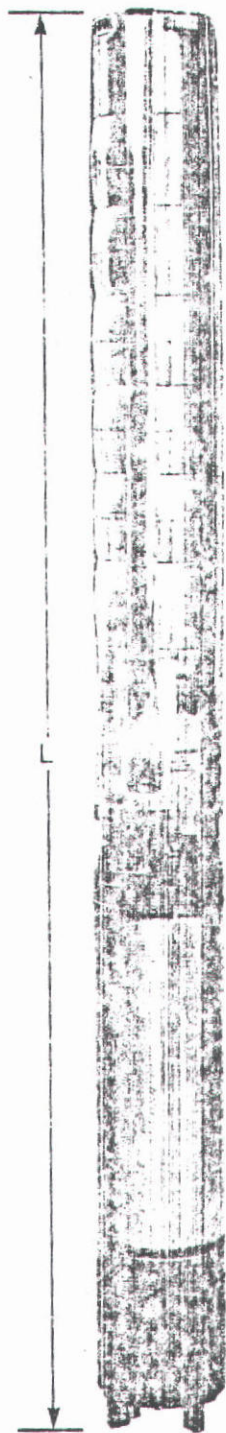




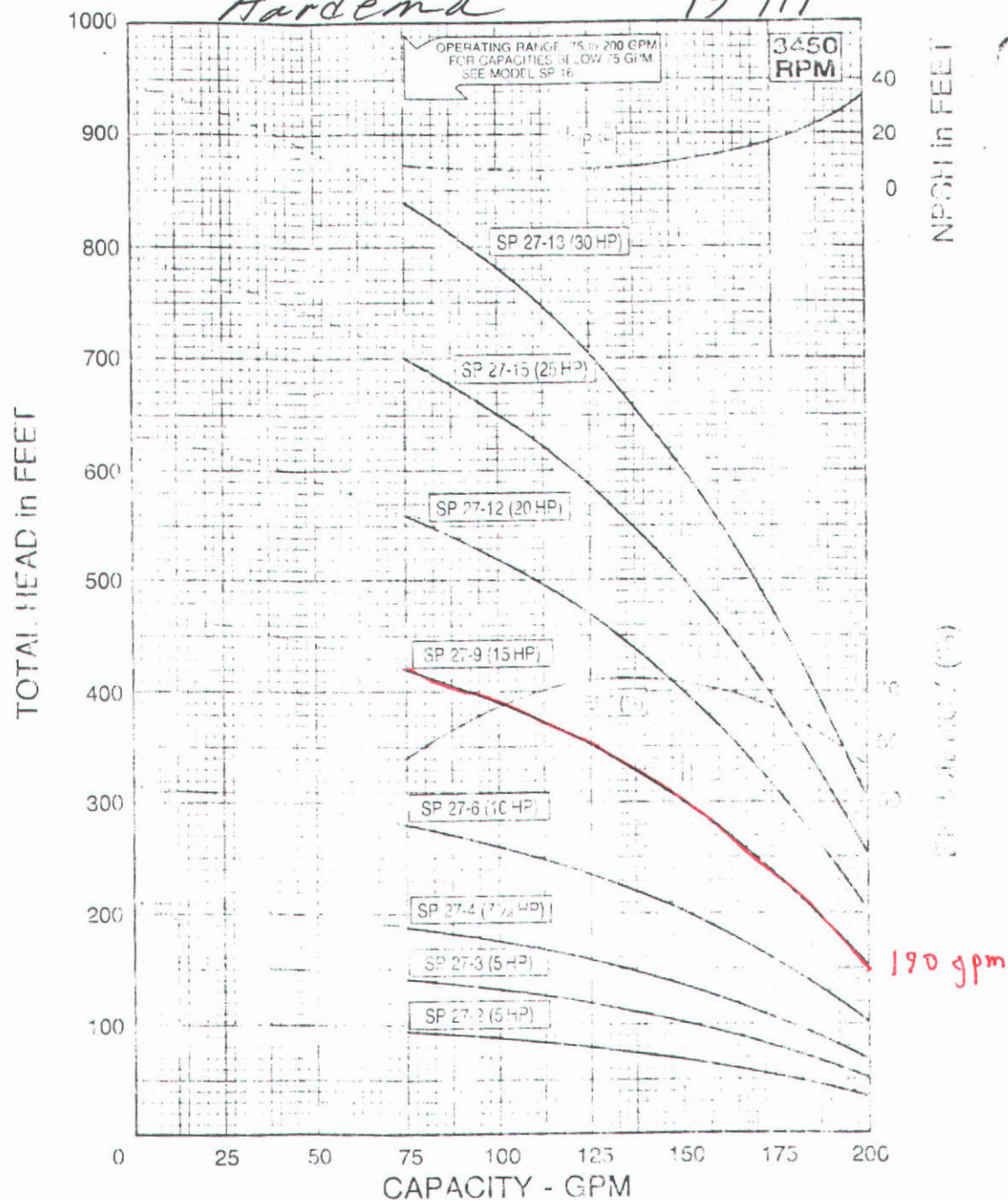
MICROFILMED
OCT 02 2001

MODEL SP 27

NOM. FLOW RATE
135 GPM
FLOW RANGE
75 to 200 GPM
PUMP OUTLET
3" NPT



2 of TD118 94717 in 1988
Performance Curves
Aardema 15 HP
5-11-47



DIMENSIONS AND WEIGHTS

MODEL NO.	HP	MIN. WELL SIZE	LENGTH (L)	APPROX. UNIT SHIPPING WT. (LBS.)
SP 27-2	5 ⁰	6"	42 1/2"	81
SP 27-3	5 ⁰	6"	47"	88
SP 27-4	7 1/2	6"	51 1/2"	146
SP 27-6	10	6"	59 3/4"	167
SP 27-9	15	6"	73"	186
SP 27-12	20	6"	86 1/4"	225
SP 27-15	25	6"	99 1/4"	243
SP 27-18	30	6"	112 3/8"	268

4 Inch Motor

Specifications are subject to change without notice

HIDDEN MEN
MAR 23 1995

RECEIVED

FEB 14 2003

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
NOTICE OF CHANGE IN WATER RIGHT OWNERSHIP

Please print or type. Attach pages with additional information. Instructions are included at the end of this form.
Incomplete forms will be returned.

1. Please list the water right number(s) and/or adjudication claim number(s) (if any) for each water right to be changed. List just the adjudication claim number if there is no corresponding water right record on file with the department. Indicate, by checking in the space provided (under the "split" heading), if the change in ownership is limited to a portion of a water right in which case division of the existing water right or adjudication claim record will be required.

Water Right No(s)	Adjudication Claim No(s)	Split	Water Right No(s)	Adjudication Claim No(s)	Split
36-8021	36-8021				
36-8398	36-8398				

2. The following **REQUIRED** information must be submitted with this form:

A. The appropriate **FILING FEE**. See instructions for fee amounts.

B. A copy of the most recent **DEED, TITLE POLICY, CONTRACT OF SALE** or other legal document indicating your ownership of the property and water right(s) or claim(s) in question, **WITH ATTACHED LEGAL DESCRIPTION**.

C. Either of the following (if necessary to clarify division of water rights or other complex property descriptions):
PLAT OF PROPERTY or **SURVEY MAP** clearly showing the location of the point(s) of diversion and place of use of your water right(s) and/or adjudication claim(s) (these are usually attached to your deed or on file with the county).

OR

If your water right(s) and/or adjudication claim(s) is for ten or more acres of irrigation, you must submit a USDA Farm Service Agency **AERIAL PHOTO** with the irrigated acres outlined and point(s) of diversion clearly marked. The **AERIAL PHOTO** should be submitted in place of the **PLAT OF PROPERTY** or **SURVEY MAP**.

3. Name and Address of Former Owner/Claimant(s) FRANS AARDEMA - AARDEMA DAIRIES
PO BOX 140 132A W 500 S
WENDELL ID83355 JEROME ID 83338
4. New Owner/Claimant(s) JACK VAN BEEK
Name Connector (Check one): ☐ and, ☐ or, ☐ and/or
83 W 600 S
New Mailing Address
JEROME ID 83338
City, State and ZIP Code
New Telephone Number 824-8904
5. Date you acquired the property _____

See file 36-8021 for support data

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JUL 23 2003

6. If the change in ownership affects the entire water right for each water right or adjudication claim number listed in item 1, THEN SKIP THIS ITEM AND GO TO ITEM 7. If the change in ownership divides the water right(s) among multiple owners, you must describe, in detail, your portion of each water right after the change. Fill in the appropriate spaces in the box(es) below to describe your water right(s) after the change (one water right per box, you may copy this page as necessary). If your quantity of water is greater than a proportionate split, you must attach documentation to show justification for a larger amount. If you are not sure how to identify your portion of the original water right or adjudication claim records, please contact the nearest IDWR office for assistance.

DESCRIPTION OF YOUR PORTION OF WATER RIGHT (If the right(s) will not be split, skip this area and proceed to item 7)		
Water Right and/or Adjudication Claim Number _____		
Water Use	Diversion Rate or Volume (cubic feet per second or acre-feet per annum)	Description (acres, number and type of stock, homes, etc)
Irrigation	_____	_____
Stock	_____	_____
Domestic	_____	_____
Other _____	_____	_____
Total	_____	_____

DESCRIPTION OF YOUR PORTION OF WATER RIGHT (If the right(s) will not be split, skip this area and proceed to item 7)		
Water Right and/or Adjudication Claim Number _____		
Water Use	Diversion Rate or Volume (cubic feet per second or acre-feet per annum)	Description (acres, number and type of stock, homes, etc)
Irrigation	_____	_____
Stock	_____	_____
Domestic	_____	_____
Other _____	_____	_____
Total	_____	_____

7. Signature of New Owner(s) or Claimant(s)
(include title if applicable)

John W Van Beek
Wendy Van Beek

For Snake River Basin Adjudication Claims: Please attach a Notice of Appearance completed by your attorney, if you wish IDWR to correspond with him/her for all matters related to your claims.

For Office Use Only

Received by AWH

Date

2/12/03

Fee

\$25.00 x 2 (\$50.00)

Received by AME GURIN

Date

3-19-03

Receipt No.

6068092

Processed by AJ

Date

WR

Date

MICROFILMED

JUL 23 2003

AMENDED

State of Idaho

AMENDED

Department of Water Resources

Water Right License

WATER RIGHT NO. 36-08398

Priority: February 14, 1995

Maximum Diversion Rate: 0.51 CFS
 Maximum Diversion Volume: 121.0 AF

It is hereby certified that DONALD J AARDEMA
 144 W 400 S
 JEROME ID 83338

And

NORTHWEST FARM CREDIT SERVICES FLCA
 1363 FILLMORE
 PO BOX 5059

TWIN FALLS ID 83303-5059 have complied with the terms and

conditions of the permit, issued pursuant to Application for Permit dated October 28, 1988; and have submitted Proof of Beneficial Use on February 14, 1995. An examination indicates that the works have a diversion capacity of 0.51 cfs of water from:

SOURCE

GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
STOCKWATER	01/01 to 12/31	0.51 CFS	121.0 AF
COMMERCIAL	01/01 to 12/31	0.51 CFS	121.0 AF

LOCATION OF POINTS OF DIVERSION:GROUND WATER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3, Twp 09S, Rge 16E, B.M., JEROME CountyGROUND WATER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3, Twp 09S, Rge 16E, B.M., JEROME County**PLACE OF USE:** STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 3																	X

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 2							X		X	X	X	X		X	X		
09S 16E 3			X	X									X	X	X	X	

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JUL 23 2003

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 36-08398

CONDITIONS OF APPROVAL

1. Commercial use is for a dairy.
2. The place of commercial use authorized by this approval includes land upon which wastewater may be applied for irrigation purposes to satisfy water quality requirements. Water diverted under this approval shall not be used for irrigation unless the water is first used in the dairy as authorized by this water right.
3. Use of water under this water right will be regulated by the watermaster of State Water District No. 130.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 26TH day of NOVEMBER, 2002.

Acting for 
KARL J. DREHER
Director

MICROFILMED

JUL 23 2003

BEFORE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF PETITION TO)
CORRECT WATER RIGHT LICENSE)
SUBMITTED BY RON AARDEMA)
_____)

**PRELIMINARY ORDER
CORRECTING LICENSE**

This matter having come before the Department of Water Resources ("Department") as a result of the filing of a petition to correct a water right license, the Department makes the following Findings of Fact, Conclusions of Law, and Order:

FINDINGS OF FACT

1. On April 8, 2002, the Department issued Water Right License No. 36-08398 ("license") to Donald J. Aardema and Northwest Farm Credit Services ACA. The license authorized the diversion of 0.30 cfs and 59.4 AF from groundwater for use in a dairy.
2. On October 15, 2002, Ron Aardema of Aardema Dairies filed a petition to correct Water Right License 36-08398. In the petition Mr. Aardema alleged that the license did not confirm the actual rate of diversion and volume of water that had been beneficially used under Permit 36-08398 ("permit").
3. Pursuant to Section 42-219, *Idaho Code*,

"...it shall be the duty of the department to carefully examine the same, and if the department is satisfied that the law has been fully complied with and that the water is being used at the place claimed and for the purpose for which it was originally intended, the department shall issue to such user or users a license confirming such use. Such license shall be issued under the seal of the office of the department of water resources, and shall state the name and

post-office address of such user, the purpose for which such water is used, the quantity of water which may be used, which in no case shall be an amount in excess of the amount that has been beneficially applied."

4. Department personnel reviewed the findings of the field examiner who verified the water use under Right 36-08398 and found the examiner had not accounted for the rate of diversion from one of the two wells used to divert water under the permit.
5. On October 25, 2002, Cindy Yenter, Watermaster of Water District No. 130, submitted copies of the measurements of the flow rates from two wells used as points of diversion for the permit. These measurements substantiated diversion rates of 0.10 cfs from the east well and 0.41 cfs from the west well.
6. On October 28, 2002, Ron Aardema submitted information about the water distribution system for his dairy as it was operated during the authorized permit development period, which ended on February 14, 1995. The information submitted described errors contained in the field examination report consisting of the measurement of water from only one of the two wells under the system, and the wash method used to prepare the cows for milking. The wash method used included 72 double impact Rainbird sprinklers which operated 168 minutes a day, 365 days a year, each using approximately 11 gallons per minute. This information was not included in the field examination of the system.
7. On November 6, 2002, long-time Aardema Dairies employees Primo Sedano, Barn and Cattle Operations Manager, and Joe Pacheco, Outside Operational Manager, submitted affidavits describing the use of this system. The affidavits contained information regarding the use of the sprinkler wash pen used since the dairy was constructed. The affidavits described the use of 72 double impact Rainbird sprinkler heads which operated 168 minutes a day, 365 days a year, each using approximately 11 gallons per minute. The additional information contributed to finding a larger volume of water necessary for the operation of the dairy during permit development.
8. On November 8, 2002, the Department requested further documentation of the amount of water needed for the operation of the Rainbird sprinkler heads.
9. On November 19, 2002, the Department received a guide for the sprinkler heads that had been installed in the wash pen. This information indicated that the sprinklers required between 5.47 gallons per minute and 5.58 gallons per minute per sprinkler head.

10. The West Water Measurement District records, provided information that Aardema reported use of 121.4 af of water in 1996, one year after submittal of proof of beneficial use under the permit.
11. On November 19, 2002, the Department revisited the volume amount that should be licensed under this permit. Using the information provided by Mr. Aardema and his employees, it was determined that the calculated volume could have been as much as 129.6 af of water for the dairy operation in 1995. This calculated volume is consistent with the amount reported to the West Water Measurement District in 1996.

CONCLUSIONS OF LAW

1. Under Section 42-219, *Idaho Code*, the Department has a statutory obligation to issue a water right license that accurately portrays the water right developed in accordance with the permit.
2. The license does not portray the water right established by the right holder in accordance with the permit.
3. The Department should correct the license to authorize use of the rate of diversion and annual volume beneficially used in the dairy operation in accordance with the permit.

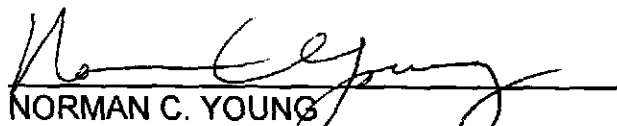
ORDER

IT IS HEREBY ORDERED that Water Right No. 36-08398 is **CORRECTED** by **CHANGING** the rate of diversion and annual volume of the water right as follows:

FROM: 0.30 cfs and 59.4 AF **TO:** 0.51 cfs and 121.0 AF

IT IS FURTHER HEREBY ORDERED that the Department shall issue an Amended Water Right License in conjunction with this Order.

Dated this 26TH day of November, 2002.


NORMAN C. YOUNG
Administrator, Water Management Division

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 36-08398

Priority: February 14, 1995

Maximum Diversion Rate: 0.30 CFS
Maximum Diversion Volume: 59.4 AF

It is hereby certified that DONALD J AARDEMA
144 W 400 S
JEROME ID 83338

And

NORTHWEST FARM CREDIT SERVICES ACA
PO BOX 5059

TWIN FALLS ID 83303-5059 have complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated October 28, 1988; and have submitted Proof of Beneficial Use on February 14, 1995. An examination indicates that the works have a diversion capacity of 0.3 cfs of water from:

SOURCE

GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
STOCKWATER	01/01 to 12/31	0.30 CFS	59.4 AF
COMMERCIAL	01/01 to 12/31	0.30 CFS	59.4 AF

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE 1/4 SE 1/4	Sec. 3, Twp 09S, Rge 16E, B.M., JEROME County
GROUND WATER	SE 1/4 SE 1/4	Sec. 3, Twp 09S, Rge 16E, B.M., JEROME County

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 3																	X

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 2							X		X	X	X	X		X	X		
09S 16E 3			X	X									X	X	X	X	

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APR 23 2002

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 36-08398

CONDITIONS OF APPROVAL

1. Commercial use is for a dairy.
2. The place of commercial use authorized by this approval includes land upon which wastewater may be applied for irrigation purposes to satisfy water quality requirements. Water diverted under this approval shall not be used for irrigation unless the water is first used in the dairy as authorized by this water right.
3. Use of water under this water right will be regulated by the watermaster of State Water District No. 130.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 8TH day of APRIL, 2002.

Acting for


KARL J. DREHER
Director

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APR 23 2002

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Page 1

State of Idaho

APR - 1 2002

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Department of Water Resources
APPLICATION FOR AMENDMENT

MAR 19 2002

(For Licensing Purposes)

Department of Water Resources
Southern Region

WATER RIGHT NO. 36-08398

Date of Priority: February 14, 1995

Maximum Diversion Rate:

0.30 CFS

Maximum Diversion Volume:

59.4 AF

Comes now NORTHWEST FARM CREDIT SERVICES FLCA
 1363 FILLMORE
 PO BOX 5059
 TWIN FALLS ID 83303-5059

And

AARDEMA FARMS LTD PARTNERSHIP
 144 W 400 S

JEROME ID 83338 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. 36-08398, and requests that the permit be changed as follows:

Source: GROUND WATER

BENEFICIAL USE	PERIOD OF USE	RATE OF DIVERSION	ANNUAL VOLUME
STOCKWATER	01/01 to 12/31	0.30 CFS	39.8 AF
COMMERCIAL	01/01 to 12/31	0.30 CFS	19.6 AF

LOCATION OF POINT(S) OF DIVERSION:GROUND WATER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3, Twp 09S, Rge 16E, B.M., JEROME CountyGROUND WATER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3, Twp 09S, Rge 16E, B.M., JEROME CountyPLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 3																	X

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 2							X		X	X	X	X			X	X	
09S 16E 3			X	X									X	X	X	X	

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 this 17 day of March, 2002

Don Anderson
 (Signature)

MICROFILMED

APR 23 2002

50⁰⁰ 25⁰⁰

State of Idaho
Department of Water Resources
APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 36-08398

FOR DEPARTMENT USE ONLY

Preliminary check by EW Fee = 50.00 Received by GF # 5024654 Date 3/19/02

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, Karl J. Dreher, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 36-08398 with the following:

CONDITIONS OF APPROVAL

1. Commercial use is for a dairy.
2. The place of commercial use authorized by this approval includes land upon which wastewater may be applied for irrigation purposes to satisfy water quality requirements. Water diverted under this approval shall not be used for irrigation unless the water is first used in the dairy as authorized by this water right.
3. Use of water under this water right will be regulated by the watermaster of State Water District No. 130.

Witness my hand this 8th day of April, 2002.

Acting for


KARL J. DREHER
Director

MICROFILMED

APR 23 2002

11/99

RECEIVED RECEIVED

STATE OF IDAHO

APR - 1 2002

MAR 19 2002

DEPARTMENT OF WATER RESOURCES

Department of Water Resources
Southern Region

ASSIGNMENT OF PERMIT

To change the ownership of an application for permit

Northwest Farm Credit Services FLCA

Northwest Farm Credit Services FLCA

I, AARDEMA FARMERS LTD Partnership hereby assign to Don AARDEMA

of, 194W 400S, Jerome, Idaho
(Full Address)

324-3438
(Phone)

All my right, title, and interest in and to Application for Permit No. 36-08398
to appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to Application for
Permit No. _____ to appropriate the public waters of the State of Idaho.

(Describe portion of the application for permit assigned, listing the number of acres in each 40 acre
subdivision, point of diversion location, and amount of the water in cubic feet per second.)

Made this 11 day of March, 20 02.

Don Aardema
Applicant(s)

State of Idaho)

County of Juin Falls)ss

On this 11th day of March, 20 02, personally appeared before me the signer(s) of the above
instrument, who duly acknowledged to me that he (she) (they) executed the same.

Rebecca L. Harshbarger
Notary Public residing at

SEAL

Kimberly ID

My commission expires: 2-24-03

MICROFILMED
APR 23 2002

Receipt # 5024654
3-19-02
\$25.00
G.I.

RECEIVED

APR 18 2001

State of Idaho
Department of Water Resources
ASSIGNMENT OF PERMIT

Department of Water Resources
Southern Region

We, Aardema Dairy, a partnership, hereby assign to Aardema Farms Limited Partnership
of 144 W 400 S Jerome Idaho 83338
Address City State Zip

AND

Northwest Farm Credit Services, FLCA and Northwest Farm Credit Services, PCA
of 1363 Fillmore, PO Box 5059 Twin Falls Idaho 83303
Address City State Zip

☒ All my right, title, and interest in and to Permit No. 36-08398 to appropriate the public waters of the State of Idaho.

☐ The following described portion of my right, title, and interest in and to Permit No. to appropriate the public waters of the State of Idaho.

(Describe that portion of the permit being assigned by listing the acreage within each 40 acre subdivision, the point of diversion and the amount of water in cubic feet per second for direct diversion, or acre feet for storage).

RECEIVED

APR 20 2001

Made this 30th day of May, 2000.

Department of Water Resources

Aardema Dairy, a partnership

By: Donald John Aardema
Donald John Aardema, a general partner

By: Frans Aardema
Frans Aardema, a general partner

By: Ronald J. Aardema
Ronald J. Aardema, a general partner

By: Donald J. Aardema
Donald J. Aardema, a general partner

STATE OF IDAHO)
County of Twin Falls)ss.

On this 30th day of May, 2000, personally appeared before me the signer(s) of the above instrument, who duly acknowledged to me that they executed the same.

SEAL

Rebecca L. Harshbarger
Notary Public State of Idaho
Residing at Kimberly
My commission expires 2-24-03

MICROFILMED

OCT 2 2001

Received 4-17-01 By JE Stanton
Receipt #5023828

S.O.

STATE OF IDAHO
IDAHO DEPARTMENT OF WATER RESOURCES

FEB 23 1998

^{DBA}
NOTICE OF CHANGE OF WATER RIGHT OWNERSHIP

Please print or type. Attach pages with additional information. Instructions are on the back of this page.
Incomplete forms will be returned.

1. Water Right No(s): 36-08398; A36-10685; A36-10687; A36-04151; A36-14657
Adjudication Claim No(s): _____
2. The following REQUIRED information must be submitted with this form:
 - A. A copy of the most recent DEED, TITLE POLICY, CONTRACT OF SALE or other legal document indicating your ownership of the property and water rights or claims in question, WITH ATTACHED LEGAL DESCRIPTION.
AND
 - B. PLAT OF PROPERTY or SURVEY MAP for parcel of ten acres or less. (These are usually attached to your deed or on file with the county.)
OR
 - C. For water rights or adjudication claims involving ten or more irrigated acres, a USDA Farm Service Agency AERIAL PHOTO with irrigated acres outlined and point(s) of diversion clearly marked.
3. Name and Address of Former Owner/Claimant Frans and Cornelia Aardema and Thomas and Mary Jane
Heida dba Aardema-Heida Dairy
4. New Owner/Claimant(s) Frans and Cornelia Aardema and Thomas and Mary Jane
Heida dba Box Canyon Dairy
Name Connector (Check one): ☐ and, ☐ or, ☐ and/or
New Mailing Address P.O. Box 140
City, State and ZIP Code Wendell, ID 83355
New Telephone Number (208) 536-2189
5. Date you acquired the property N/A See cover L
6. If you have acquired only a portion of the former owner's property, IDWR may need to split the water right(s) or adjudication claim(s). If this applies, describe in detail your portion of each water right or adjudication claim in the spaces below. If necessary, attach additional pages.
Number of acres you irrigate _____ Number and type of stock _____
Diversion rate in CFS _____ Number of homes _____ Other uses _____
If a water right or adjudication claim is being split and you are not sure how to identify your portion of the original right or claim, please contact the nearest IDWR office for assistance.
7. Signature of New Owner or Claimant(s)
Frans Aardema Mary Jane Heida
Cornelia Aardema
(Corporations or other organizations must submit a list of directors and/or officers demonstrating authority to sign form.)
8. For Snake River Basin Adjudication Claims: Please attach a Notice of Appearance completed by your attorney, if you wish IDWR to correspond with him or her for all matters related to your claims..

MICROFILMED

OCT 02 2001

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 36-08398)
) **ORDER OF**
IN THE NAME OF ARDEMA DAIRY) **REINSTATEMENT**
)

This matter having come before the Idaho Department of Water Resources (Department), the Department makes the following FINDINGS OF FACT, CONCLUSIONS OF LAW and ORDER:

FINDINGS OF FACT

1. On June 12, 1989, the Department issued Permit No. 36-08398 with a condition of approval that proof of construction of works and application of water to beneficial use be submitted on or before July 1, 1991.

2. On April 30, 1991, the Department sent a proof due notice to the permit holder by certified mail stating that proof was due and instructed the permit holder of the steps to be taken to submit the proof of beneficial use. The proof was returned undelivered by the post office due to an incorrect mailing address.

3. On July 8, 1991, the Department sent a lapse notice to the permit holder.

4. Section 42-218a.2., Idaho Code, authorizes the Department to reinstate a lapsed permit, with the priority date advanced to the date that proof of beneficial use was received, upon submittal of evidence clearly establishing the extent of beneficial use prior to the proof due date and a showing of reasonable cause why the proof was submitted late.

5. On February 14, 1995, the permit holder submitted an acceptable proof along with power records confirming that water had been put to beneficial use during the authorized development period. The permit holder further explained that he inadvertently

MAR 23 1995

did not submit the proof on time.

CONCLUSIONS OF LAW

1. The permit holder has submitted proof of beneficial use along with supporting evidence which establishes that water was in fact beneficially used within the authorized development period.

2. The permit holder has shown sufficient cause why the proof of beneficial use was not submitted in a timely manner.

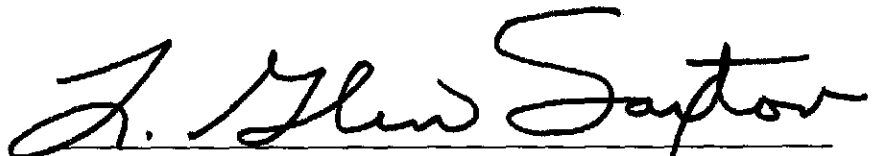
3. The department should reinstate the permit with the date of priority advanced to the date proof of beneficial use and supporting information was received by the Department.

ORDER

IT IS HEREBY ORDERED that Permit No. 36-08398 is REINSTATED and the priority is advanced to February 14, 1995.

IT IS FURTHER HEREBY ORDERED that after specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.

Dated this 17th day of February, 1995.


L. GLEN SAXTON
Chief, Water Allocation Bureau

MAR 23 1995

Form No. 217
RECEIVED

FEB 14 1995

Department of Water Resources
Southern RegionSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCESFOR OFFICE USE ONLY
Amt. of Fee \$: 100.
Receipt No. 5019746
Receipt By: g. Stanton
Date Received: 2-14-94**PROOF OF BENEFICIAL USE**

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 36-08398 Telephone No. 324-3428
2. Name(s) of Permit Holder(s): Aardema Dairy
3. Mailing Address: 132-A W. 500 S., Jerome, ID 83338
4. Source of Water: Groundwater If **GROUNDWATER** (well), Date Drilled: mo. Feb / yr. 89
a. Well Driller: Smith Drilling & Pump Drilling Permit Number: 36-88-5-0061
b. **OPTIONAL:**
Pump Horsepower: 2-15 hp Pressure (psi): 30 Dynamic pumping level (ft): 94
5. Use(s) (as authorized by the water right permit):
Domestic (No. of households): _____ Stockwater (No. and type of stock): 1000 dairy, 500 range
Irrigation (No. of acres): _____ Other: commercial
6. Total rate of diversion and/or volume for which proof is submitted: 0.6 cfs OR _____ acre feet
7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)
- | | | |
|-------------------------------|--|--------------------------|
| Measuring Device: | Is a measuring device required? | Yes _____ or No <u>X</u> |
| | Has the measuring device been installed? | Yes _____ or No _____ |
| Flow Measurement Port: | Is a flow measurement port required? | Yes _____ or No _____ |
| | Has the measurement port been installed? | Yes _____ or No _____ |
8. Fee Enclosed: \$ 100.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)
9. Person to contact to accompany the Department representative during field examination of the water system.
Name: Ron Aardema Telephone Number: 736-6313
Address: 174 W. 400 S., Jerome, ID 83338
10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

MAR 23 1995

Signature of permit holder: Ron Aardema Owner Date: 2/14/95
(include your title, if on behalf of company of organization)

NOTICE

This file has been REPRODUCED
from MICROFICHE because :

The entire file is needed for
reinstatement review.

Dale B. Clark
Person Recreating File

2-16-95
Date

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 36-08398

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant Aardema Dairy Phone 324-3438
Post office address 132A West 500 South, Jerome, Idaho 83338
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is _____ 1/4 of SE _____ 1/4 of SE _____ 1/4, Govt. Lot _____
Sec. 16 Township 9S Range 16E B.M. Jerome County; additional
points of diversion if any: _____
4. Water will be used for the following purposes: * Added per telecon w/applicant 11-16-88
Amount 6 for Commercial purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 6 for Livestock purposes from 1/1 to 12/31 * (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 6 and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. 8" Wells - 2
15HP Pump 168'
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
 - c. Proposed well diameter is 8" inches; proposed depth of well is 168 feet.
 - d. Is ground water with a temperature of greater than 90°F being sought? No
7. Time required for the completion of the works and application of the water to the proposed beneficial use is
5 years (minimum 1 year).

- * Per telecon w/applicant 11-16-88 *JS*

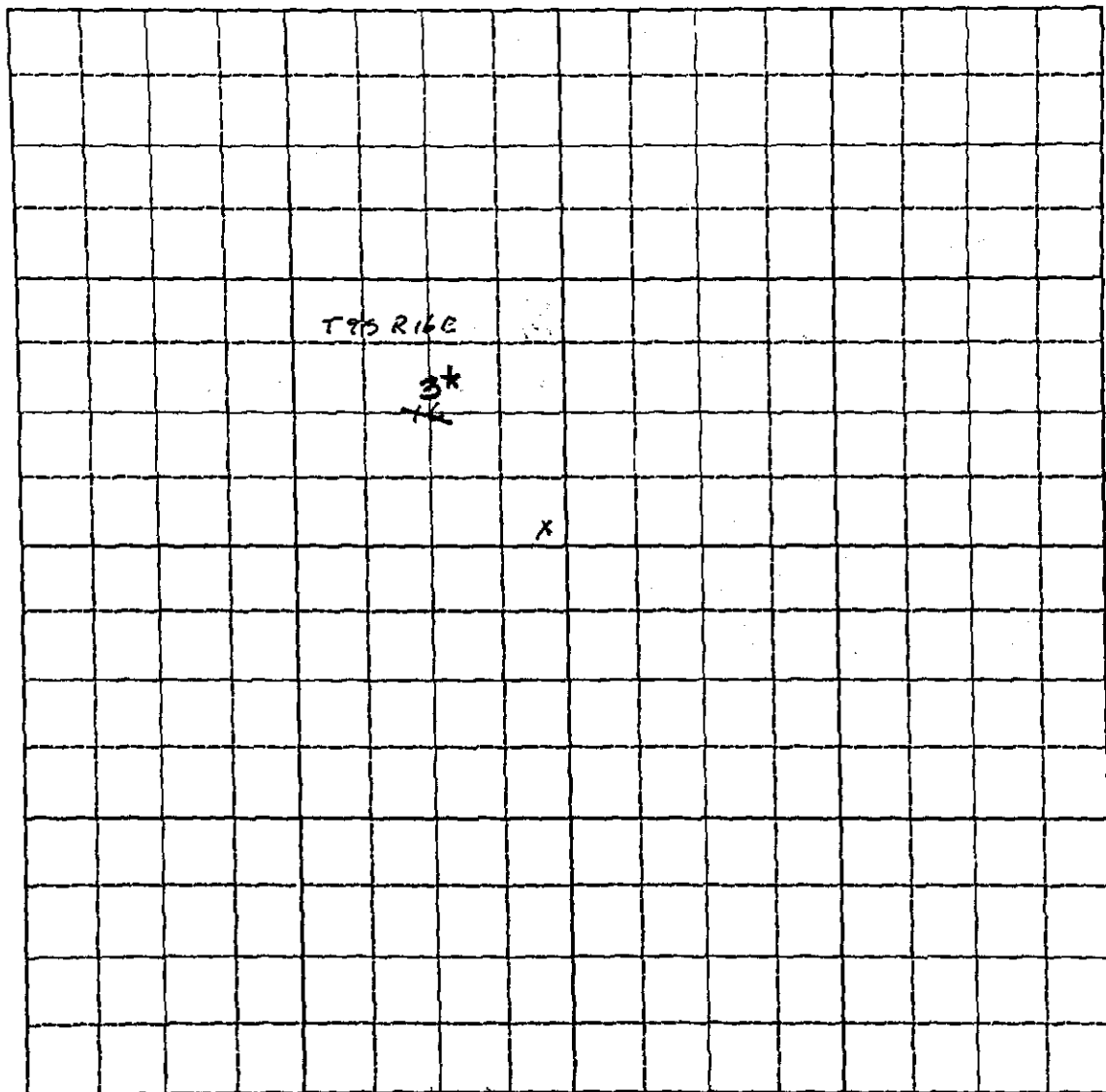
- [illegible]

Total number of acres to be irrigated NA

12. Remarks: * Anticipated system capacity is 0.60 cfs.

** Per telecon w/Smith Drilling & Pump 11-16-88 *Go*

13. 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.


(Applicant)

Proposed Priority 10/28/88

Received by M. Baldwin Date 10/28/88 Time 1:14 pm Preliminary check by J. E. Stanton
Fee \$ 45.00 Received by JP # 5013854 Date 11-16-88
Publication prepared by M. Baldwin Date 1/22/89 Published in Northeast News
Publication approved M. Baldwin Date 2/27/89

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. 36-8398, 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, 19 91.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other: Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

Water used under this permit if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

Witness my hand this 12th day of June, 1989.

J. E. Stanton



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

June 18, 2003

JOHN W VAN BEEK
DIANNE VAN BEEK
83 W 600 S
JEROME ID 83338

RE: Change of Ownership for Water Rights 36-8021 and 36-8398

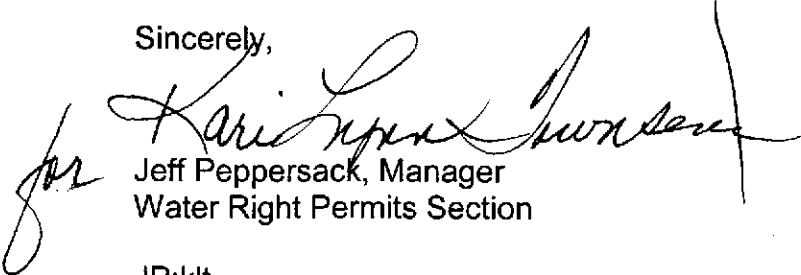
Dear Water Right Holder(s):

The department acknowledges receipt of correspondence changing ownership of the above referenced water rights to you. The department has modified its records to reflect the changes in ownership and has enclosed computer-generated reports for your records.

Please note that as of July 1, 1996, water right owners are required to report any change of water right ownership and any change of mailing address of the owner of a water right to the department. Notice of the change must be provided to the department within 120 days of the change. Change reporting forms are available from any office of the department.

Please feel free to contact this office if you have any questions regarding this matter.

Sincerely,


Jeff Peppersack, Manager
Water Right Permits Section

JP:klt

Enclosures

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JUN 23 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 27, 2002

RON AARDEMA
400 S 147 W
JEROME ID 83338

DONALD J AARDEMA
144 W 400 S
JEROME ID 83338

NORTHWEST FARM CREDIT SERVICES FLCA
PO BOX 5059
TWIN FALLS ID 83303-5059

RE: Water Right License 36-08398

Dear Water Right Holders:

The Department of Water Resources (IDWR) has issued the enclosed order amending the Water Right License for Water Right 36-08398. The order is a preliminary order issued by the Department pursuant to §67-5243, *Idaho Code*. The water right license issued in connection with the order supersedes the license issued on April 8, 2002. The preliminary order can and will become a final order without further action of the Department unless a party petitions for reconsideration or files an exception and/or brief as further described in the enclosed information sheet.

If you have questions, please contact me at (208) 327-7946.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

Enclosure

MICROFILMED

NOV 28 2003

CERTIFICATE OF SERVICE

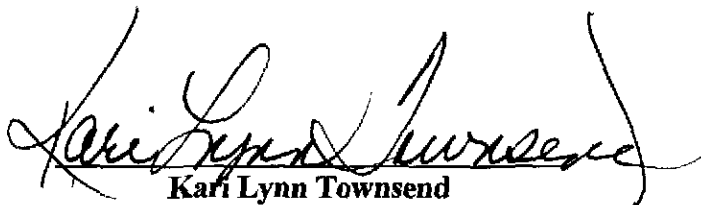
I hereby certify that on the 27th day of November, 2002, I mailed a true and correct copy, postage prepaid, of the foregoing **PRELIMINARY ORDER (Approved License)** to the person(s) listed below:

Water Right No. 36-08398

**DONALD J AARDEMA
144 W 400 S
JEROME ID 83338**

**NORTHWEST FARM CREDIT SERVICES FLCA
PO BOX 5059
TWIN FALLS ID 83303-5059**

**RON AARDEMA
400 S 147 W
JEROME ID 83338**


**Karl Lynn Townsend
Secretary**

**MICROFILMED
JUL 23 2003**

**EXPLANATORY INFORMATION
TO ACCOMPANY A
PRELIMINARY ORDER**

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources (department) unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the department or the Idaho Water Resource Board (Board) is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

Comment Report

36-8398

1. kwalker 11/22/2002 Amend License

Comment: An error was reported to IDWR regarding the rate of diversion and volume of water that had been licensed under this right. In review of our file and water use reported to WMD we found the right should be corrected to include the actual development under the system. A corrected license has been prepared for signature.

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JUL 23 2003

FILE NUMBER 36-08389
REVIEWER jw
DATE November 18, 2002

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1000
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS
3-4 MONTHS
5-8 MONTHS
9-12 MONTHS
13-15 MONTHS
16-24 MONTHS
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 72
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 5.53
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) 168
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? Y
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? 24.0
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? 24.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? 0.0
IS A PLATE COOLER USED? Y
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE
COOLER, LEAVE BLANK) N
ARE CORRAL MISTERS USED IN HOLDING PEN? Y
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN,
ASSUME 1 MISTER FOR EVERY 5 COWS) 150
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) 4.20
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 2/5) 2/5
OPERATION TIME OF MISTERS (HRS/DAY) 14
DAYS PER YEAR MISTERS ARE USED 214
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT
INDIVIDUALLY CALCULATED BELOW (EX - RESTROOMS, WASHING MACHINES) 0

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.05
DRY CATTLE @ 17.0 GPD/HD 0.01
REPLACEMENT CATTLE 0.00
TOTAL 0.06

COMMERCIAL
TOTAL 0.12

TOTAL DIVERSION RATE 0.18

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 32.3
DRY CATTLE 7.5
REPLACEMENT CATTLE 0.0
TOTAL 39.8

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 1.1
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 74.8
PLATE COOLER 9.0
CORRAL MISTERS 2.3
MISCELLANEOUS USES 0.0
TOTAL 89.6

TOTAL DIVERSION VOLUME 129.6

CONSUMPTIVE USE VOLUME (AFA) (assuming 100% consumptive):

STOCKWATER 39.8
COMMERCIAL 89.6
TOTAL CONSUMPTIVE USE 129.6

average of
sprinklers
discharge
as submitted

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	15.00	15.00	0.00	0.00	0.00
PUMP EFFICIENCY (%)	70	70	70	70	70
LIFT (FT)	188	188	0	0	0
DISCHARGE PRESSURE (PSI)	60	60	0	0	0
FRICTION LOSSES (FT)	10.0	10.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	24.0	24.0	0.0	0.0	0.0

CALCULATIONS

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
THEORETICAL FLOW RATE (CFS) *	0.29	0.29	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	211.3	211.3	0.0	0.0	0.0

* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

the data provided represents
the system as operated before
proof of beneficial use was
submitted. I am confident
that the 121 AFA we offered
Mr. Asadpour is consistent
with daily operation during
permit development. kw
11/19/02

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)?	S

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	9.0 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	32.4 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	43.2 ACRES

MICROFILMED

JUL 23 2003

AUTOMATED

P.O. Box 170, 1575 South Lincoln,
Jerome, ID 83338
(208) 324-3213 fax (208) 324-7325

NOVEMBER 19, 2002

ATTACHED YOU WILL FIND A GUIDE FOR SPRINKERS THAT
ARE SUPPLIED FROM VANDENBURG TO US FOR THE DAIRYMAN.
THE GUIDELINES SHOW THE PSI, DIMENSIONS AND GALLONS
PER MINUTE. THE CIRCLED PSI IS FOR THE SPECIFIC DAIRY.
IF YOU HAVE ANY QUESTIONS, PLEASE CALL THE ABOVE NUMBER.

DON BRAND

DB/TW

THE DAIRY PROFESSIONAL

MICROFILMED

111 2 3 2003

Oct-26-2002 07:33am From:WEATHER TEC

+8882948802

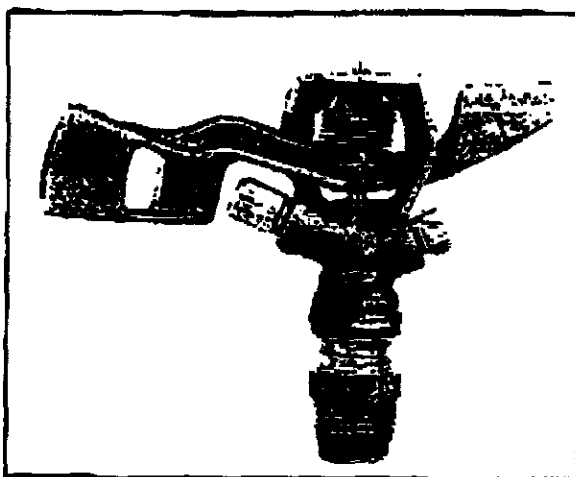
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P.001/001

F-864

AG

1/2" Impact Sprinklers - Full Circle

**Model 10-22L****MODEL****10-22L**

- Full circle impact - low angle - available with 7", 12", 15", 18", or 20" low angle nozzle
- 1/2" male N.P.T. - dual nozzle
- Cast-bronze head with cored water passage and double-bridge construction
- Cast-bronze lever with I-beam construction for added strength
- Stainless steel spindle, fulcrum pin, lever spring, and bearing spring for long-wearing durability
- T-ring style bearing for proven dependability
- Designed for intermediate nozzle sizes for use in dairy washing and under-tree application
- Also available in 3/4" male N.P.T.
- Specify nozzle angle when ordering

MODEL 10-22L 7" Nozzle Performance

Nominal stream height 2.5' above nozzle @ normal pressure

PSI	Nozzle 7/64x3/32" 7" Dia. GPM	Nozzle 1/8x3/32" 7" Dia. GPM	Nozzle 3/8x3/32" 7" Dia. GPM	Nozzle 5/32x3/32" 7" Dia. GPM	Nozzle 11/64x3/32" 7" Dia. GPM	Nozzle 3/16x3/32" 7" Dia. GPM
25	81 2.98	53 3.44	55 3.67	57 4.21	58 4.82	59 5.76
30	52 3.22	54 3.75	56 4.08	57 4.83	59 5.27	60 6.36
35	53 3.49	54 4.02	57 4.27	58 4.95	59 5.78	61 7.00
40	53 3.75	55 4.22	57 4.77	59 5.22	60 6.04	62 7.50
45	54 3.92	56 4.48	58 4.91	59 5.47	61 6.38	62 7.86
50	54 4.13	57 4.87	58 5.88	60 5.95	62 6.66	63 8.44
55	55 4.36	57 5.05	58 5.98	61 6.23	62 7.08	64 8.62

MODEL 10-22L 12" Nozzle Performance

Nominal stream height 4' above nozzle @ normal pressure

PSI	Nozzle 7/64x3/32" 7" Dia. GPM	Nozzle 1/8x3/32" 7" Dia. GPM	Nozzle 3/8x3/32" 7" Dia. GPM	Nozzle 5/32x3/32" 7" Dia. GPM	Nozzle 11/64x3/32" 7" Dia. GPM	Nozzle 3/16x3/32" 7" Dia. GPM
25	55 3.00	57 3.45	60 3.92	61 4.38	63 4.98	64 5.91
30	68 3.25	58 3.78	61 4.19	62 4.77	64 5.58	65 6.43
35	57 3.52	59 4.08	61 4.42	63 5.20	64 6.98	66 7.17
40	57 3.77	60 4.38	62 4.92	63 5.41	65 6.31	67 7.66
45	58 3.93	61 4.49	63 5.09	64 5.89	66 6.83	68 8.11
50	58 4.17	61 4.82	64 5.85	65 5.11	67 7.06	69 8.62
55	60 4.97	62 5.12	64 6.04	66 6.39	68 7.51	69 9.00

MODEL 10-22L 20" Nozzle Performance

Nominal stream height 5' above nozzle @ normal pressure

PSI	Nozzle 7/64x3/32" 7" Dia. GPM	Nozzle 1/8x3/32" 7" Dia. GPM	Nozzle 3/8x3/32" 7" Dia. GPM	Nozzle 5/32x3/32" 7" Dia. GPM	Nozzle 11/64x3/32" 7" Dia. GPM	Nozzle 3/16x3/32" 7" Dia. GPM
25	58 3.03	60 3.47	63 3.99	64 4.55	66 5.16	67 5.98
30	58 3.27	61 3.81	63 4.35	65 4.91	67 5.82	68 6.61
35	59 3.55	62 4.11	64 4.84	66 5.32	67 6.19	69 7.26
40	60 3.83	63 4.38	65 5.12	67 5.50	68 6.60	70 7.70
45	61 3.97	63 4.58	66 5.33	67 5.83	68 6.97	71 8.18
50	62 4.22	64 4.98	67 5.82	68 6.27	70 7.38	71 8.71
55	62 4.43	66 5.20	67 6.12	69 6.86	71 7.73	72 9.11

* Standard nozzle at mid-point of pressure range.

** Indicates standard nozzle size furnished unless otherwise specified. Optimum performance at mid-point of pressure range.

*** 15" & 18" furnished on request

www.weatheritec.com

W E A T H E R T E C
A S P I R A T I O N S

5845 E. Clinton, Fresno, CA 93727 • Phone (209) 291-5555 • FAX (209) 294-8882 • Toll Free (800) 835-7836

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JUL 23 2003

Aardema Dairy

144 West 400 South
Jerome, Id. 83338

RECEIVED

NOV 06 2002

Department of Water Resources
Southern Region

RECEIVED

NOV - 7 2002

Department of Water Resources

November 4, 2002

Idaho Department Water Resource
1301 North Orchard
Boise, Id. 83706

Dear Shellie Keen:

This letter is in regards to water rights 36-08398 with information that reflects water usage of dairy #4 for commercial use.

I have been working for Aardema Dairy since December 30, 1981. My position was outside operational manager. I was in charge of facility maintenance and repair. This included servicing water troughs, corral misters, wash pen sprinklers and the flush system. During my employment, dairy #4 was built and I have been involved in its maintenance since the beginning.

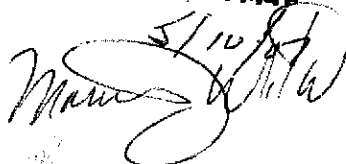
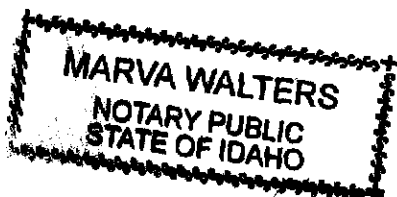
I can verify that dairy #4 operational procedures have remained consistent since its construction in 1990. The barn has always used a sprinkler wash pen. The wash pen has 72 double impact Rain Bird sprinkler heads with a nozzle discharge of 11 gal/min per head. The sprinklers have always operated 168 min/day for 365 days/year. The barn has always used a plate cooler to pre-cool the milk that is discharged to a wastewater lagoon. In addition, the pens to this barn have always had corral misters that discharge 0.07 gal/min. Since the beginning, there have been 150 misters that have operated 840 min/day for 214 days/year.

The water usage for dairy #4 in 1990 has remained the same for the last 12 years, as the operational procedures of the facility have been consistent since the beginning of its use.

Sincerely,



Joe Pacheco
Outside Operational Manager



MICROFILMED

JUL 23 2003

Aardema Dairy

144 West 400 South
Jerome, Id. 83338

RECEIVED

NOV 06 2002

**Department of Water Resources
Southern Region**

November 4, 2002

Idaho Department Water Resource
1301 North Orchard
Boise, Id. 83706

Dear Shellie Keen:

This letter is in regards to water rights 36-08398 with information that reflects water usage of dairy #4 for commercial use.

I have been working for Aardema Dairy since January 1, 1982. My position was barn & cattle operational manager. I was in charge of managing barn and milking procedures. With this job description I was thoroughly exposed to operational procedures of the dairy and its water usage. During my employment, dairy #4 was built and I have been involved in its management since the beginning.

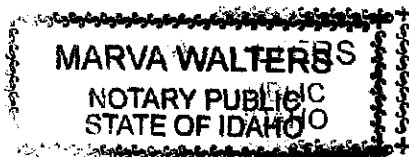
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The water usage for dairy #4 in 1990 has remained the same for the last 12 years, as the operational procedures of the facility have been consistent since the beginning of its use.

Sincerely,

Primo C Sedano

Primo Sedano
Barn & Cattle Operational Manager



Marva Walters

MICROFILMED
JUL 23 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

FAX TRANSMITTAL COVER SHEET

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

DATE: 11-8-2002

TO: Ron Aardema
FAX: 324-0445

FROM: Kay Walker
327-7944

DOCUMENT
DESCRIPTION:

Letter of 11/8/02 & Revised
License

COMMENTS:

COVER SHEET + 3 PAGES

PLEASE CONTACT
ENTIRE DOCUMENT

Kay

IF YOU DON'T RECEIVE THIS

MICROFILMED

JAN 23 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 8, 2002

RON AARDEMA
400 S 147 W
JEROME ID 83338

RE: Water Right 36-08398

Dear Mr. Aardema:

We are in receipt of the affidavits submitted by your employees and I have drafted a revised license using the information provided. I believe we can recommend an increase in the rate of diversion under this license to 0.51 cfs based on the information provided by our water measurement district records.

We also found that we can recommend an increase in the licensed volume of water to 121 af per year. This is the amount that was reported to the water measurement district in 1996. Since you submitted proof of beneficial use in 1995, we feel that the 121 af would likely be consistent with your operation practices at the time of proof submittal.

Before recommending that the revised license be issued, I do need a little more information about the nozzles used in your wash pen. The information you provided states that your nozzles discharge 11 gallons per minute. This amount seems unusually high in comparison with the nozzle discharges reported to IDWR for other dairy operations. The highest discharge I recall seeing prior to your information was about 7 gallons per minute. Please submit the specifics on the Rainbird model numbers, nozzle size and pressure readings for your wash pen sprinklers so we can more thoroughly review this part of your system.

If you have any questions in regard to the above, please do not hesitate to contact me at 327-7944. If I don't hear from you within the next 10 days I will assume you agree with the revisions described above, and I will prepare an amended license for our Administrator's review.

Sincerely,


KAY WALKER
Sr. Water Resource Agent

Attachment

MICROFILMED
JUL 23 2003

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 36-08398

Priority: February 14, 1995

Maximum Diversion Rate: 0.51 CFS
Maximum Diversion Volume: 121.0 AF

It is hereby certified that DONALD J AARDEMA
144 W 400 S
JEROME ID 83338

Draft

And

NORTHWEST FARM CREDIT SERVICES FLCA
1363 FILLMORE
PO BOX 5059
TWIN FALLS ID 83303-5059

have complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated October 28, 1988; and have submitted Proof of Beneficial Use on February 14, 1995. An examination indicates that the works have a diversion capacity of 0.51 cfs of water from:

SOURCE

GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
STOCKWATER	01/01 to 12/31	0.51 CFS	121.0 AF
COMMERCIAL	01/01 to 12/31	0.51 CFS	121.0 AF

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 3, Twp 09S, Rge 16E, B.M., JEROME County
GROUND WATER	SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 3, Twp 09S, Rge 16E, B.M., JEROME County

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 3																X	

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S 16E 2							X		X	X	X	X		X	X		
09S 16E 3			X	X									X	X	X	X	

MICROFILMED

JUL 23 2003

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 36-08398

Draft

CONDITIONS OF APPROVAL

1. Commercial use is for a dairy.
2. The place of commercial use authorized by this approval includes land upon which wastewater may be applied for irrigation purposes to satisfy water quality requirements. Water diverted under this approval shall not be used for irrigation unless the water is first used in the dairy as authorized by this water right.
3. Use of water under this water right will be regulated by the watermaster of State Water District No. 130.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this _____ day of _____, 2002.

KARL J. DREHER
Director

MICROFILMED

JUL 23 2003

FILE NUMBER 36-08398
REVIEWER kw
DATE November 8, 2002

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1000
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS
3-4 MONTHS
5-8 MONTHS
9-12 MONTHS
13-15 MONTHS
16-24 MONTHS
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 3
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 72
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 5.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) 168
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? Y
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? 24.0
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? 24.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? 0.0
IS A PLATE COOLER USED? Y
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE
COOLER, LEAVE BLANK) N
ARE CORRAL MISTERS USED IN HOLDING PEN? Y
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN,
ASSUME 1 MISTER FOR EVERY 5 COWS) 160
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) 4.20
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 25) 25
OPERATION TIME OF MISTERS (HRS/DAY) 14
DAYS PER YEAR MISTERS ARE USED 214
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT
INDIVIDUALLY CALCULATED BELOW (EX - RESTROOMS, WASHING MACHINES) 0

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.05
DRY CATTLE @17.0 GPD/HD 0.01
REPLACEMENT CATTLE 0.00
TOTAL 0.06

COMMERCIAL
TOTAL 0.11

TOTAL DIVERSION RATE 0.17

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 32.3
DRY CATTLE 7.5
REPLACEMENT CATTLE 0.0
TOTAL 39.8

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 1.1
PARLORMILKHOUSE/HOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 67.7
PLATE COOLER 9.0
CORRAL MISTERS 2.3
MISCELLANEOUS USES 0.0
TOTAL 82.6

TOTAL DIVERSION VOLUME 122.4

CONSUMPTIVE USE VOLUME (AFA)(assuming 100% consumptive):

STOCKWATER 39.8
COMMERCIAL 82.6
TOTAL CONSUMPTIVE USE 122.4

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	15.00	15.00	0.00	0.00	0.00
PUMP EFFICIENCY (%)	70	70	70	70	70
LIFT (FT)	168	168	0	0	0
DISCHARGE PRESSURE (PSI)	80	80	0	0	0
FRICTION LOSSES (FT)	10.0	10.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	24.0	24.0	0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) *	0.29	0.29	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	211.3	211.3	0.0	0.0	0.0

* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)?	
	B

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	8.5 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	30.8 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	40.8 ACRES

MICROFILMED

JUL 23 2003

FILE NUMBER _____ 36-08398
REVIEWER _____ kw
DATE _____ November 8, 2002

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE _____ 1000
NUMBER OF DRY CATTLE _____ 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS _____
3-4 MONTHS _____
5-8 MONTHS _____
9-12 MONTHS _____
13-15 MONTHS _____
16-24 MONTHS _____

ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS _____ 3
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN _____ 72
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) _____ 11.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) _____ 168
NUMBER OF MILKINGS PER DAY _____ 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) _____ 70
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? _____ Y
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? _____ 24.0
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? _____ 24.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? _____ 0.0
IS A PLATE COOLER USED? _____ Y
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE
COOLER, LEAVE BLANK) _____ N
ARE CORRAL MISTERS USED IN HOLDING PEN? _____ Y
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN, _____
ASSUME 1 MISTER FOR EVERY 5 COWS) _____ 150
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) _____ 4.20
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 25) _____ 25
OPERATION TIME OF MISTERS (HRS/DAY) _____ 14
DAYS PER YEAR MISTERS ARE USED _____ 214
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT
INDIVIDUALLY CALCULATED BELOW (EX - RESTROOMS, WASHING MACHINES) _____ 0

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) _____ 0.05
DRY CATTLE @17.0 GPD/HD _____ 0.01
REPLACEMENT CATTLE _____ 0.00
TOTAL _____ 0.06

COMMERCIAL
TOTAL _____ 0.23

TOTAL DIVERSION RATE _____ 0.29

DIVERSION VOLUME (AF):

STOCKWATER
MILKING CATTLE _____ 32.3
DRY CATTLE _____ 7.5
REPLACEMENT CATTLE _____ 0.0
TOTAL _____ 39.8

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT _____ 0.4
BACKFLUSH _____ 1.1
PARLORMILKHOUSEHOLDING PEN CLEANUP _____ 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING _____ 149.0
PLATE COOLER _____ 9.0
CORRAL MISTERS _____ 2.3
MISCELLANEOUS USES _____ 0.0
TOTAL _____ 163.9

TOTAL DIVERSION VOLUME _____ 203.7

CONSUMPTIVE USE VOLUME (AF)(assuming 100% consumptive):

STOCKWATER _____ 39.8
COMMERCIAL _____ 163.9
TOTAL CONSUMPTIVE USE _____ 203.7

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP) _____	15.00	15.00	0.00	0.00	0.00
PUMP EFFICIENCY (%) _____	70	70	70	70	70
LIFT (FT) _____	168	168	0	0	0
DISCHARGE PRESSURE (PSI) _____	80	80	0	0	0
FRICTION LOSSES (FT) _____	10.0	10.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES _____	24.0	24.0	0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) * _____	0.29	0.29	0.00	0.00	0.00
DIVERSION VOLUME (AF) ** _____	211.3	211.3	0.0	0.0	0.0

* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
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EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE _____	4.80 CFS
ACRES OF IRRIGATION _____	240.0 ACRES
DIVERSION VOLUME _____	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME _____	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)? _____ B	

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE _____	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE _____	14.5 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME _____	50.9 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE _____	67.9 ACRES

MICROFILM

JUL 23 2003

Volumes Reported to WMD 1996-2001

[illegible]

MICROFILMED

11/19/2003

MEMORANDUM

DATE: November 6, 2002

TO: Kay Walker

FROM: Shelley W. Keen *SWK*

RE: Water Right 36-8398 (Aardema Dairies)

Last week I spoke on the telephone with Ron Aardema about the water use in his dairy under Water Right 36-8398. He explained to me that he beneficially used more water, expressed in both rate and volume, than is described on the water right license issued in April of 2002. Because I understood that information sent to you by Cindy Yenter confirms the larger diversion rate, Mr. Aardema and I did not spend much time discussing the diversion rate. We did, however, discuss volume fairly extensively. Mr. Aardema believes his beneficial use during the authorized development period for 36-8398 was the same as indicated by his water measurement records for 1996, or about twice as much as indicated on the license. He also recognized that the 207 acre-feet shown on the worksheet recently submitted by Jim Stanton is a gross overestimation.

I explained to Mr. Aardema that you were having difficulty reconciling the difference between the licensed volume, which resulted from information in the field report, and the volume measured in 1996. I suggested that if we had better data, it is likely that our worksheet calculations and the measurements would align more closely with each other. Mr. Aardema offered to submit data in the form of affidavits from Aardema Dairy employees familiar with water use in the dairy during the authorized development period for the permit.

This morning I received faxed copies of affidavits from two of Mr. Aardema's employees. Please review the affidavits. If the data provided is credible, please prepare a revised worksheet using the new data. If the revised worksheet supports Mr. Aardema's assertion that the licensed volume should have been larger, please prepare an amended water right license and a preliminary order correcting the license. Let me know if you need an example of an order correcting a license.

MICROFILMED

JUL 23 2003

RECEIVED

NOV - 6 2002

Department of Water Resources

FAX TRANSMISSION

FROM: AARDEMA DAIRIES
361 SOUTH 200 WEST
JEROME, ID 83338
PHONE (208) 324-0444
FAX (208) 324-0445

TO: Shellie KeenFAX: 327 7866

COMMENTS: Please Call when
you receive this.

Thank youJessica Wender
324-0444

MICROFILMED

JUL 23 2003

Aardema Dairy144 West 400 South
Jerome, Id. 83338

November 4, 2002

Idaho Department Water Resource
1301 North Orchard
Boise, Id. 83706

Dear Shellie Keen:

This letter is in regards to water rights 36-08398 with information that reflects water usage of dairy #4 for commercial use.

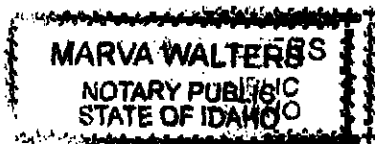
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I can verify that dairy #4 operational procedures have remained consistent since its construction in 1990. The barn has always used a sprinkler wash pen. The wash pen has 72 double Impact Rain Bird sprinkler heads with a nozzle discharge of 11 gal/min per head. The sprinklers have always operated 188 min/day for 365 days/year. The barn has always used a plate cooler to pre-cool the milk that is discharged to a wastewater lagoon. In addition, the pens to this barn have always had corral misters that discharge 0.07 gal/min. Since the beginning, there have been 150 misters that have operated 840 min/day for 214 days/year.

The water usage for dairy #4 in 1990 has remained the same for the last 12 years, as the operational procedures of the facility have been consistent since the beginning of its use.

Sincerely,

Primo C. Sedano
Primo Sedano
Barn & Cattle Operational Manager



Marva Walters

MICROFILMED

JUL 23 2003

Aardema Dairy144 West 400 South
Jerome, Id. 83336

November 4, 2002

Idaho Department Water Resource
1301 North Orchard
Boise, Id. 83706

Dear Shellie Keen:

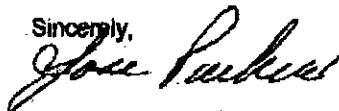
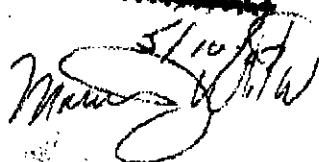
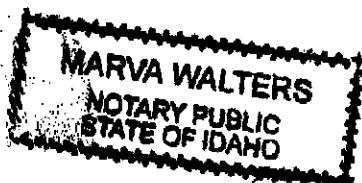
This letter is in regards to water rights 36-08398 with information that reflects water usage of dairy #4 for commercial use.

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The water usage for dairy #4 in 1990 has remained the same for the last 12 years, as the operational procedures of the facility have been consistent since the beginning of its use.

Sincerely,

Joe Pacheco
Outside Operational Manager

MICROFILMED

JUL 23 2003

● ARDENIA - Dairy #4 -
from Jim Stanton

FILE NUMBER 35-00001
REVIEWER MSP

DAIRIES: WATER USE WORKSHEET

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1000
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS 0
3-4 MONTHS 0
5-8 MONTHS 0
9-12 MONTHS 0
13-15 MONTHS 0
16-24 MONTHS 0
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF
SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 3
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 72
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 11.00
OPERATION TIME OF SPRINKLERS (MIN/DAY) 188
NUMBER OF MILKINGS PER DAY 3
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE 24.0
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE 24.0
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS? N
IS RECYCLED WATER USED TO WASH COWS? N
IS A PLATE COOLER USED? Y
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER,
LEAVE BLANK) N
IF CORRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN 150
NOZZLE DISCHARGE (GPM) 0.07
OPERATION TIME OF MISTERS (MIN/DAY) 840
DAYS PER YEAR MISTERS ARE USED 214

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.05
DRY CATTLE @ 17.0 GPD/HD 0.01
REPLACEMENT CATTLE 0.00
TOTAL 0.06

COMMERCIAL
TOTAL 0.23

TOTAL DIVERSION RATE 0.29

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 32.3
DRY CATTLE 7.5
REPLACEMENT CATTLE 0.0
TOTAL 39.8

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.6
BACKFLUSH 1.7
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 3.0
CATTLE WASHING BASED UPON METHOD OF WASHING 149.0
PLATE COOLER 9.0
CORRAL MISTERS 5.6
TOTAL 167.4

TOTAL DIVERSION VOLUME 207.2

CONSUMPTIVE USE VOLUME (AFA)(assuming 100% consumptive):

STOCKWATER 39.8
COMMERCIAL 167.4

TOTAL CONSUMPTIVE USE 207.2

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	25.00		0.00	0.00	0.00
LIFT (FT)	230		0	0	0
DISCHARGE PRESSURE (PSI)	40		0	0	0
FRICTION LOSSES (FT)	3.0		0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	12.0		0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) *	0.47	0.00	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	171.3	0.0	0.0	0.0	0.0

* PUMP EFFICIENCY WAS ASSUMED TO BE 70%.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

RECEIVED
OCT 29 2002

Department of Water Resources

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)? B	

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	14.5 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	51.8 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	69.1 ACRES

MICROFILMED

JUL 23 2003

RECEIVED

OCT 28 2002

Department of Water Resources

FAX TRANSMISSION

FROM: AARDEMA DAIRIES
361 SOUTH 200 WEST
JEROME, ID 83338
PHONE (208) 324-0444
FAX (208) 324-0445

TO: Shellie Keen

FAX: 1208.327-7866

COMMENTS: Please call to let us
know you have received this
Fax at (208)324-0444.

Thank you.
Jessica Wendler

4 pages including
Cover sheet.

MICROFILMED
JUL 23 2003

Aardema Dairy144 West 400 South
Jerome, Id. 83338

October 28, 2002

Idaho Department Water Resource
1301 North Orchard
Boise, Id. 83708

Dear Shellie Keen:

This letter is in regards to water rights 36-08398. K. Walker is requesting us to submit to you data that reflects water usage of dairy #4 for commercial use.

We have two wells, one well produces 129 gal/min and the other well produces 82 gal/min. At the time of field examination, we were milking more than 1000 cows with a permit for 1000 milking cows and 500 dry cows. We originally intended to milk 1500 cows but due to a misunderstanding at the time of the original application we were only licensed for 1000.

The amount of water usage found at the time of the field examination was incorrect due to several procedural and calculation errors made by the field examiner. The field examiner neglected to measure the second well, which flows 129 gal/min at maximum usage. In addition, there are errors found in the field examination report calculations as seen in the attached document. Our license reflects 0.30 CFS and 59.4 AF per year. We also found discrepancies in the field examiner's documentation of the operational procedures of the facilities. At the time of the field examination, we were using a wash pen with double impact Rainbird sprinklers with a nozzle discharge of 11 gal/min per head. There were 72 sprinkler heads that operated 168 min/day for 365 days/year. We were also using corral misters that discharged 0.07 gal/min. There were 150 misters that operated 840 min/day for 214 days/year. In addition, we were using a plate cooler to pre-cool our milk and this water was discharged to a waste water lagoon.

Please find enclosed a copy of the theoretical flow work sheet that was completed by Jim Stanton of the Southern Regional office in Twin Falls. We feel that our licensed water right does not reflect the actual and true water usage and flow rate at the time of the field examination due to several errors made in the field examiner's report.

We are asking for your help in this matter. Please review these documents and help us obtain the correct licensing that we are entitled. If you have any further questions that I can be of assistance to, please contact me at (208)539-1615.

Sincerely,

Ron Aardema
Aardema DairyMICROFILMED
JUN 23 2003

Page # Fax Note 7571		Date	# of pages
To Mary McKee	From		
Co./Dept.	Co.		Stanford
Phone #	Phone #		
Fax #	Fax #		

FILE NUMBER 24-00001
REVIEWER MSP

HAZARD: WATER 1

DECLARATION

REQUIRED DAILY DATA

NUMBER OF MILKING CATTLE	1000
NUMBER OF DRY CATTLE	500
NUMBER OF REPLACEMENT CATTLE: 0-3 MONTHS	0
3-6 MONTHS	0
6-8 MONTHS	0
8-12 MONTHS	0
12-18 MONTHS	0
18-36 MONTHS	0
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS	3
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN	72
NOZZLE DISCHARGE (USE 5.5 GPM IF UNKNOWN)	11.00
OPERATION TIME OF SPRINKLERS (MIN/DAY)	188
NUMBER OF MILKINGS PER DAY	3
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (DAILY AVG 10 TO 18 LBS.)	70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE	24.0
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE	24.0
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS?	N
IS RECYCLED WATER USED TO WASH COWS?	N
IS A PLATE COOLER USED?	N
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER, LEAVE BLANK)	N
IF COPRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN	168
NOZZLE DISCHARGE (GPM)	0.07
OPERATION TIME OF MISTERS (MIN/DAY)	84.0
DAYS PER YEAR MISTERS ARE USED	2

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER	
MILKING CATTLE (BASED ON MILK PRODUCTION)	0.06
DRY CATTLE @ 17.6 GPM	0.01
REPLACEMENT CATTLE	0.00
TOTAL	0.08

COMMERCIAL

TOTAL

TOTAL DIVERSION RATE _____ 6.29

DIVERSION VOLUME (AFAC)

STOCKWATER	
MAKING CATTLE	22.3
DRY CATTLE	7.5
REPLACEMENT CATTLE	0.0
TOTAL	

COMMERCIAL	
WASHING OF BULK TANK AND RELATED EQUIPMENT	0.6
BACKFLUSH	1.7
PARLOR/AMMUNITION/HOLDING PEN CLEANUP	3.0
CATTLE WASHING BASED UPON METHOD OF WASHING	108.0
PLATE COOLER	0.0
CORRAL MISTERS	0.0
TOTAL	113.3

TOTAL EXTENSION VOLUME 207.1

CONSUMPTIVE USE VOLUME (AFAC assuming 100% consumptive):

STOCKWATER	20.4
COMMERCIAL	107.4
TOTAL CONSUMPTIVE USE	207.3

REQUIRED FUND INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	25.00		0.00	0.00	0.00
LIFT (FT)	280		0	0	0
DISCHARGE PRESSURE (PSI)	48		0	0	0
FRICTION LOSS (FT)	2.0		0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	12.0		0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CF3) : -----	0.07	0.00	0.00	0.00	0.00
DIVERSION VOLUME (MPA) : -----	171.3	0.0	0.0	0.0	0.0

* PUMP EFFICIENCY WAS ASSUMED TO BE 70%

" DYESENION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE _____ CFS
 ACRES OF IRRIGATION _____ 2+0.0 ACRES
 DIVERSION VOLUME _____ 4.0 AC-FT/AC
 CONSUMPTIVE USE VOLUME _____ 3.0 AC-FT/AC
 IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE
 DAIRY OPERATION - STOCKMASTER (S), COMMERCIAL (C), OR
 BOTH (B)? _____

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	6.220 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	14.6 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	31.6 ACRES
REDUCTION OF IRRIGATION BASED ON COMBULPTIVE USE	46.1 ACRES

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JUL 23 2003

Calculation Errors:

Gardema
36-06398

01-14 14:07:00
02-14 14:07:00
03-14 14:07:00
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100-14 14:07:00

- 1 62
- 2 61
- 3 61
- 4 62
- 5 62
- 6 62
- 7 60
- 8 61
- 9 61
- 10 62
- 11 62

Divided by 10
instead of 100

$$676/100 = 6.89pm(G) = 12.6$$

$$\frac{1349pm}{418.83} = 0.30 \text{ L/s}$$



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

October 25, 2002

RON AARDEMA
400 S 147 W
JEROME ID 83338

RE: Water Right 36-08398

Dear Mr. Aardema:

We are in receipt of the letter you submitted from Jerome County Planning and Zoning. However, that letter does not provide a mechanism for increasing the permitted number of stock under this water right. The permit was issued for 1000 dairy cattle and 500 dry cattle. Proof of beneficial use was submitted for the same permitted amounts. IDWR cannot issue a license for more stock than we permitted.

You will find enclosed a copy of the spreadsheet that I used to determine the volume of water allowable for your system. If you used a different wash method during your initial development, as you stated on the telephone, we could include that method in our volume calculations. It is my understanding that you had originally installed sprinklers to flush your holding pens and wash cows; however, you removed that system in order to decrease your waste water. If you can provide documentation to verify that a different wash method was in place at the time you completed development under the permit, we may be able to consider that in our review of your license. It is possible that a different wash method accounts for some of the discrepancy between what is shown on your water right license, which is intended to reflect beneficial use of water, and what water measurement records show that you have diverted in the past. Please submit some written documentation describing which washing method you employed during the authorized development period, the number of sprinklers you had in each holding pen, if any, the nozzle discharge of the sprinklers (or use 5.0 gpm if unknown), and the total operation time of the sprinklers per day.

Please return any documentation regarding your rate of flow, the dairy operation during the permit development period, and the discrepancies you feel we overlooked in our original review of this right. If I don't receive the documentation within 15 days we will assume you don't wish to pursue this matter any further. If you have any questions please feel free to contact our office. As I told you on the telephone yesterday, I will be out of the office until November 7th and you are welcome to contact my supervisor, Shelley Keen, with any questions you may have.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

Enclosure

MICROFILMED
JUN 23 2003

FILE NUMBER 36-08388
REVIEWER kw
DATE October 25, 2002

DAIRIES: WATER USE WORKSHEET

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1000
NUMBER OF DRY CATTLE 600
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS
3-4 MONTHS
5-8 MONTHS
9-12 MONTHS
13-15 MONTHS
16-24 MONTHS
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 1
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 50
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 5.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) 20
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? Y
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? 24.0
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? 24.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? 0.0
IS A PLATE COOLER USED? Y
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE
COOLER, LEAVE BLANK) N
ARE CORRAL MISTERS USED IN HOLDING PEN? Y
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN,
ASSUME 1 MISTER FOR EVERY 5 COWS) 150
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) 5.00
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 2/5) 2/5
OPERATION TIME OF MISTERS (HRS/DAY) 14
DAYS PER YEAR MISTERS ARE USED 240
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT
INDIVIDUALLY CALCULATED BELOW (EX. - RESTROOMS, WASHING MACHINES) 0

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.05
DRY CATTLE @17.0 GPD/HD 0.01
REPLACEMENT CATTLE 0.00
TOTAL 0.06

COMMERCIAL
TOTAL 0.02

TOTAL DIVERSION RATE 0.08

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 32.3
DRY CATTLE 7.5
REPLACEMENT CATTLE 0.0
TOTAL 39.8

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 1.1
PARLORMILKHOUSE/HOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 1.1
PLATE COOLER 9.0
CORRAL MISTERS 3.1
MISCELLANEOUS USES 0.0
TOTAL 16.8

TOTAL DIVERSION VOLUME 56.6

CONSUMPTIVE USE VOLUME (AFA)(assuming 100% consumptive):

STOCKWATER 39.8
COMMERCIAL 16.8
TOTAL CONSUMPTIVE USE 56.6

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	15.00	15.00	0.00	0.00	0.00
PUMP EFFICIENCY (%)	70	70	70	70	70
LIFT (FT)	168	168	0	0	0
DISCHARGE PRESSURE (PSI)	80	80	0	0	0
FRICTION LOSSES (FT)	10.0	10.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	24.0	24.0	0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) *	0.29	0.29	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	211.3	211.3	0.0	0.0	0.0

* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)? B	

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	4.0 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	14.2 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	18.9 ACRES

MICROFILMED

JUL 23 2003

Post-Note 7871	Date	# of Pages
To <i>Kary Walke</i>	From <i>Funderburk</i>	
Co./Dept.	Co. <i>Stanton</i>	
Phone #	Phone #	
Fax #	Fax #	

FILE NUMBER 20-00001
REVIEWER MSP

DAMBS: WATER 1

MKSHEET

REQUIRED DAILY DATA

NUMBER OF MILKING CATTLE 1000
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-3 MONTHS 0
3-6 MONTHS 0
6-9 MONTHS 0
9-12 MONTHS 0
12-15 MONTHS 0
15-24 MONTHS 0
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 3
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 72
NOZZLE DISCHARGE (USE 6.5 GPM IF UNKNOWN) 11.09
OPERATION TIME OF SPRINKLERS (MIN/DAY) 108
NUMBER OF MILKINGS PER DAY 3
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (DAIRY AVG IS 70 LBS.) 70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE 24.0
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE 04.0
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS? N
IS RECYCLED WATER USED TO WASH COWS? N
IS A PLATE COOLER USED? Y
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER, LEAVE BLANK) N
IF CORRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN 150
NOZZLE DISCHARGE (GPM) 0.07
OPERATION TIME OF MISTERS (MIN/DAY) 640
DAYS PER YEAR MISTERS ARE USED 214

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.05
DRY CATTLE @ 17.0 GPM/HD 0.01
REPLACEMENT CATTLE 0.00
TOTAL 0.06
COMMERCIAL
TOTAL 0.20
TOTAL DIVERSION RATE 0.26

DIVERSION VOLUME (AFY):

STOCKWATER
MILKING CATTLE 32.3
DRY CATTLE 7.3
REPLACEMENT CATTLE 0.0
TOTAL 39.6
COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.8
BACKFLUSH 1.7
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 3.0
CATTLE WASHING BASED UPON METHOD OF WASHING 148.0
PLATE COOLER 9.0
CORRAL MISTERS 6.8
TOTAL 187.3

TOTAL DIVERSION VOLUME 307.2

CONSUMPTIVE USE VOLUME (AFY) (assuming 100% consumptive):

STOCKWATER 39.6
COMMERCIAL 187.3
TOTAL CONSUMPTIVE USE 307.2

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	25.00		0.00	0.00	0.00
LIFT (FT)	230		0	0	0
DISCHARGE PRESSURE (PSI)	40		0	0	0
FACTION LOSSES (FT)	3.0		0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	12.0		0.0	0.0	0.0

CALCULATIONS

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
THEORETICAL FLOW RATE (CFS) *	0.47	0.00	0.00	0.00	0.00
DIVERSION VOLUME (AFY) **	171.8	0.0	0.0	0.0	0.0

* PUMP EFFICIENCY WAS ASSUMED TO BE 70%.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAILY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)?	S

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	14.5 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	61.8 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	68.1 ACRES

MICROFILMED
JUL 23 2003

TRANSMITTAL COVER SHEET

RECEIVED

OCT 25 2002

Department of Water Resources

TO: Kay WalkerTOTAL PAGES SENT: 3

(including cover sheet)

DOCUMENT DESCRIPTION: Aardema #4 Flow Measurements

FROM:

IDAHO DEPARTMENT OF WATER RESOURCES

1341 FILLMORE ST, STE 200

TWIN FALLS ID 83301-3380

PHONE: 736-3033

FAX: 736-3037

CHARGES: One (1) free copy
per request, cover sheet not
counted. Two (2) or more
copies per request will cost
\$0.25 per page. (\$0.50
minimum)

Please consider this document as a billing statement.

The charge for your fax copies is: _____

Please remit to the above address.

SENDER:

Cindy Yenter

COMMENTS:

MICROFILMED

JUL 23 2003

LD01

No.01

L

OG NAME WEST#4 ARDE MA

START 06-07 11:20

END 06-07 11:30

INTERVAL 00:01:00

Aardema Dairy #4 9516E03SESE

WEST WELL

#A0001238

6-7-2000

8/7/00 11:20

+7.488E+0 f/s
+1.821E+2 gal/m
+TOTAL 0000000 gal
ABNORMAL

8/7/00 11:21

+7.483E+0 f/s
+1.820E+2 gal/m
+TOTAL 0000178 gal
ABNORMAL

8/7/00 11:22

+7.461E+0 f/s
+1.814E+2 gal/m
+TOTAL 0000360 gal
ABNORMAL

8/7/00 11:23

+7.518E+0 f/s
+1.828E+2 gal/m
+TOTAL 0000542 gal
ABNORMAL

8/7/00 11:24

+7.534E+0 f/s
+1.832E+2 gal/m
+TOTAL 0000724 gal
ABNORMAL

8/7/00 11:25

+7.575E+0 f/s
+1.842E+2 gal/m
+TOTAL 0000907 gal
ABNORMAL

8/7/00 11:26

+7.521E+0 f/s
+1.829E+2 gal/m
+TOTAL 0001090 gal
ABNORMAL

8/7/00 11:27

+7.539E+0 f/s
+1.833E+2 gal/m
+TOTAL 0001273 gal
ABNORMAL

8/7/00 11:28

+7.498E+0 f/s
+1.823E+2 gal/m
+TOTAL 0001467 gal
ABNORMAL

8/7/00 11:29

+7.594E+0 f/s
+1.847E+2 gal/m
+TOTAL 0001641 gal
ABNORMAL

8/7/00 11:30

+7.574E+0 f/s
+1.842E+2 gal/m
+TOTAL 0001825 gal
ABNORMAL

10 min
182.5 gpm

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JUL 23 2003

LD03
No.03
LOG
NAME: EAST#4AARDE MA2
START :06-07 12:18
END :06-07 12:31
INTERVAL:00:01:00

Aardema Dairy #4 9S16E 03 SESE
EAST WELL
#A0001239
6-7-2000

6/7/00 12:18
+1.778E+0 ft/s
+4.259E+1 gal/m
+TOTAL 0000000 gal
ABNORMAL

6/7/00 12:21
+1.887E+0 ft/s
+4.474E+1 gal/m
+TOTAL 0000224 gal
ABNORMAL

6/7/00 12:26
+1.802E+0 ft/s
+4.318E+1 gal/m
+TOTAL 0000445 gal
ABNORMAL

10 min
44.5 gpm

6/7/00 12:17
+1.872E+0 ft/s
+4.483E+1 gal/m
+TOTAL 0000042 gal
ABNORMAL

6/7/00 12:22
+1.890E+0 ft/s
+4.528E+1 gal/m
+TOTAL 0000269 gal
ABNORMAL

6/7/00 12:27
+1.920E+0 ft/s
+4.600E+1 gal/m
+TOTAL 0000489 gal
ABNORMAL

6/7/00 12:18
+1.956E+0 ft/s
+4.685E+1 gal/m
+TOTAL 0000087 gal
ABNORMAL

6/7/00 12:23
+1.871E+0 ft/s
+4.483E+1 gal/m
+TOTAL 0000314 gal
ABNORMAL

6/7/00 12:28
+2.030E+0 ft/s
+4.862E+1 gal/m
+TOTAL 0000537 gal
ABNORMAL

6/7/00 12:19
+1.910E+0 ft/s
+4.575E+1 gal/m
+TOTAL 0000134 gal
ABNORMAL

6/7/00 12:24
+1.830E+0 ft/s
+4.384E+1 gal/m
+TOTAL 0000359 gal
ABNORMAL

6/7/00 12:29
+2.103E+0 ft/s
+5.038E+1 gal/m
+TOTAL 0000587 gal
ABNORMAL

13 min
45.15 gpm

6/7/00 12:20
+1.918E+0 ft/s
+4.589E+1 gal/m
+TOTAL 0000180 gal
ABNORMAL

6/7/00 12:25
+1.801E+0 ft/s
+4.314E+1 gal/m
+TOTAL 0000402 gal
ABNORMAL

6/7/00 12:30
+2.176E+0 ft/s
+5.212E+1 gal/m
+TOTAL 0000639 gal
ABNORMAL

6/7/00 12:31
+2.121E+0 ft/s
+5.082E+1 gal/m
+TOTAL 0000691 gal
ABNORMAL

15 minutes
46.06 gpm

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JUL 23 2003

MEMORANDUM

TO: File 36-08398

FROM: KAY WALKER

RE: License

Date: October 24, 2002

.....

Ron Aardema contacted me this afternoon in regard to the license issued on April 8, 2002. He had not reviewed the license until the property was in the process of being sold and then saw that we had made errors in our review of the exam that were subsequently licensed. Mr. Aardema is very unhappy with the rate and volume that we licensed. He stated that he has never pumped less than 0.6 cfs from this system since it has been in production for the last 12 years. He also told me his goal was to get the 0.6 cfs that he has been pumping on the license.

He was very unhappy after reviewing the exam that we had based our license on. The exam had several errors in regard to the rate of diversion that I did not notice when I prepared the license. Our examiner had taken Fuji measurements of the system but the Fuji measurements only accounted for one pipe from one of the wells even though the examiner had multiplied the rate found by 2. None of the pipes from the wells carry water from both wells at any time. He believes that measurements should have been taken on all the different pipelines leading away from the wells to get an accurate account of the water being pumped from the wells.

I also spoke to Cindy Yenter regarding this system this afternoon. She had gone through the water measurement district records (after being prompted by Gary Funderburg) and found that Aardema has been pumping 0.56 cfs of water from the wells. She feels we could acknowledge the rate as 0.60 since that is similar to the rate pumped and reported to the water measurement district. Cindy will send me copies of her calibration records with flow rates for the file.

In review of my dairy worksheet, I also found that a theoretical flow rate from the wells was 0.29 cfs per well which would be 0.58 cfs when combined.

MICROFILMED

JUL 23 2003

Marci's Dairy worksheet - by Jim Stanton
hand delivered
by Gary Funderburg
10/24/02 - kw

FILE NUMBER 36-00001
REVIEWER MSP

DAIRIES: WATER USE WORKSHEET

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1500
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS 0
3-4 MONTHS 0
5-8 MONTHS 0
9-12 MONTHS 0
13-15 MONTHS 0
16-24 MONTHS 0
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF
SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 1
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 0
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 0.00
OPERATION TIME OF SPRINKLERS (MIN/DAY) 0
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE 24.0
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE 24.0
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS? N
IS RECYCLED WATER USED TO WASH COWS? N
IS A PLATE COOLER USED? Y
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER,
LEAVE BLANK) N
IF CORRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN 150
NOZZLE DISCHARGE (GPM) 0.08
OPERATION TIME OF MISTERS (MIN/DAY) 840
DAYS PER YEAR MISTERS ARE USED 210

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.07
DRY CATTLE @ 17.0 GPD/HD 0.01
REPLACEMENT CATTLE 0.00
TOTAL 0.08

COMMERCIAL
TOTAL 0.03

TOTAL DIVERSION RATE 0.12

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 48.4
DRY CATTLE 7.5
REPLACEMENT CATTLE 0.0
TOTAL 55.9

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 1.7
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 1.7
PLATE COOLER 13.4
CORRAL MISTERS 6.5
TOTAL 24.1

TOTAL DIVERSION VOLUME 80.0

CONSUMPTIVE USE VOLUME (AFA) (assuming 100% consumptive):

STOCKWATER 55.9
COMMERCIAL 24.1
TOTAL CONSUMPTIVE USE 80.0

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	15.00	15.00	0.00	0.00	0.00
LIFT (FT)	190	180	0	0	0
DISCHARGE PRESSURE (PSI)	40	40	0	0	0
FRICTION LOSSES (FT)	0.0	0.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	24.0	24.0	0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) *	0.37	0.37	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	285.0	285.0	0.0	0.0	0.0

* PUMP EFFICIENCY WAS ASSUMED TO BE 70%.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)?	B

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	6.0 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	20.0 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	26.7 ACRES

SITING PERMIT #4

hand delivered
by Mary Funderburg
10/24/02
rw

CONFINED ANIMAL FEEDING OPERATION SITING PERMIT APPLICATION

DATE 6/12/02

NAME Aardema Dairy

TELEPHONE 324-3438

ADDRESS 144 w 400s

GENERAL LOCATION 385 s 200 w LEGAL DESCRIPTION Sec Att Legal

ACRES OF LAND HELD 77.93 EXISTING USE Farm

ZONING DISTRICT _____

INDICATE ANIMAL UNITS OF THE FOLLOWING FOR AN LCO.

1600 MATURE COW/BULL/STEER _____ HOGS _____ POULTRY _____ HEAD OF SHEEP

_____ HORSES _____ OTHER ANIMALS OR BIRDS _____ CALVES 0-3 MONTHS

_____ CALVES 3 MONTHS - 1 YEAR 800 CALVES 1 - 2 YEARS

_____ NON LACTATING HEIFERS 2 YEARS AND UP

This permission is granted under Jerome County Zoning Ordinance Chapter 13. The application must be submitted with the following: A full written description of the operation and facilities used including the maximum capacities of the facilities in regards to the number of animals. The numbers and type of livestock currently located on the parcel. Notarized letter attesting to the number of animal units of the LCO operation.

A Complete Site Plan: The Site Plan shall include the dimensions, size and location of existing buildings on the lot, if any, and the location and dimensions of feed storage areas, animal confinement areas, waste storage areas, water wells, canals, ditches, injection wells, traffic access, public thoroughfares and building heights. Submit a topographical map of the parcel.

Transfer of Siting Permit: A Confined Animal Feeding Operation Siting Permit may be transferred to a new owner or operator upon written notification to the Administrator by the holder of the existing permit.

Amendment to Jerome County Zoning Ordinance Chapter 13 approved _____, 2000.

Ron Aardema
Signature of Owner and/or Applicant

ART BROWN, JEROME COUNTY PLANNING AND ZONING ADMINISTRATOR
(208) 324-9116

MICROFILMED

JUL 23 2003



Arthur R. Brown
Administrator

County of Jerome Planning and Zoning
121 3rd Avenue East, Jerome, ID 83338
208-324-9116 Fax 208-324-9263

Making our Community a better
Place to Live

RECEIVED

OCT 23 2002

Department of Water Resources

Yvette Le Mon
Secretary

Kay Walker
Department of Water Resources
PO Box 83720
Boise, Idaho 83338

October 23, 2002

Ron Aardema at 174 West 400 South Jerome, Idaho doing business as Aardema Dairy #4 at 386 South 200 West Jerome, Idaho has ask me to submit a letter to you that verifies that he has had a permit in Jerome County for 1600 milking cows and 800 heifer since May 7, 1990.

If you have any question you can call the Planning & Zoning Office during normal working hours at 1-208-324-9116.

Sincerely,

Arthur Roy Brown
Arthur Roy Brown
Planning & Zoning Administrator

Post-It® Fax Note	7671	Date	10-23-	# of pages	1
To	Kay Walker	From	Funderbur y		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #		Fax #			

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JUL 23 2003

Aardema's Dairy

Dairy Water Use Questionnaire

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OCT 23 2002

Number of Milking Cows	1500	Department of Water Resources
Number of Dry Cows	500	
Number of Replacement Cattle: 0-2 Months		
3-4 Months		
5-8 Months		
9-12 Months		
13-15 Months	300	
16-24 Months	0	
Enter 1 for Manual Cow Washing, 2 for Automatic, or 3 if Sprinklers are used to Flush Holding Pen and Wash Cows	1★	
If Sprinklers are used: Number of Sprinklers in Holding Pen		
Nozzle Discharge (Use 5.0 gpm if unknown)		
Operation Time of Sprinklers (min/day)		
Number of holding pens		
Number of cows per holding pen		
Number of Milkings per day	2	
Avg. lbs. of milk produced per day per animal (Idaho Average is 70 lbs.)	70	
Hours per day pump operates for Stockwater use	24	
Hours per day pump operates for Commercial use	24	
Is Recycled water used to flush milkhous and parlor floors?	No	
Is recycled water used to wash cows?	No	
Is a plate cooler used?	Yes	
Is recycled water used for plate cooler? (If no plate cooler, leave blank)		
If Corral misters are used: Number of misters in holding pen	150	
Nozzle discharge (gpm)	5 gpm/hr	
Operation Time of misters (min/day)	840 min/day	
Days per year misters are used	240 days	

Post-it® Fax Note	7671	Date	# of pages ▶
To Kay Walker		From Funderburg	
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

#1 - per Gary Funderburg 10/23/02
 also documentation
 may be submitted
 to prove 1500
 milking cows at
 the time of proof
 of Bill - FW

MICROFILMED

JUL 23 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

October 16, 2002

RON AARDEMA
400 S 147 W
JEROME ID 83338

RE: Water Right 36-08398

Dear Mr. Aardema:

I am in receipt of the letter you wrote concerning the volume of water that was licensed under the above referenced water right. The volume that was licensed is based upon the permitted number of milking cattle (1000 head) and permitted number of dry cattle (500 head). I also used the information submitted by the field examiner to complete some of the items that are used to compute the volume in our spreadsheet. However, in order for me to conduct a more detailed review of your volume requirement, I would like you to complete the enclosed questionnaire and return it to me so I can double check the volume that was licensed. Please note that the responses to the questionnaire should reflect what was in use when proof of beneficial use was submitted in February of 1995. Once proof of beneficial use was submitted, no further development of water under this right should have occurred.

During my original review of this right, I averaged the volume you had been reporting to the Water Measurement District; however, the average of water reported from both wells was compatible to the amount-determined necessary using our dairy spreadsheet. The volume required for your dairy use was not determined by the reported average. It only supported the amount found on the worksheet. Even though you have reported using twice the volume that was licensed, the licensed volume may be the amount that is necessary for your permitted number of cattle. As soon as you return the questionnaire we will be able to complete a more detailed review of the volume actually required for your water use when proof of beneficial use was submitted.

Please return the completed questionnaire within the next 15 days so I can proceed with my second review. If I don't receive the completed questionnaire within this 15-day period I will assume you don't wish to pursue this matter any further. If you have any questions please feel free to contact me at (208)327-7944.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

Enclosure

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JUL 23 2003

RECEIVED

OCT 15 2002

Department of Water Resources

October 11, 2002

Department of Water Resources
1301 North Orchard
Boise, Idaho 83706

Attention: Water Allocation Section
Ms Kay Walker

Gentlemen,

I have found an error in the issuance of the Lic.36-08398. It appears the Volume amount for the license was in error of the average use that was determined by your department staff.

Enclosed is a copy of the Meter Readings and their adjusted amounts as recorded with the water district that was furnished to Mr. Funderburg of the Southern Region Office in Twin Falls, Idaho. He received this information from a Ms Kay Walker of the State Office. If you would add the (2) meters together you would find that the amount used was of (1) meter. I would like to make a Petition to amend the issuance of this license to reflect the actual amount recorded, which should have been issued and the 2nd point of diversion that was left off the license. Both wells were drilled at the same time. We are in the process of selling this property and would like to have this completed at your earliest.

If you have any Questions to this water right please contact us immediately.

Sincerely Yours



Ron Aardema
Aardema Dairy's
400S 147W
Jerome, Idaho 83338

MICROFILMED

JUL 23 2003

MEMORANDUM

TO: File 36-08398

FROM: KAY WALKER

RE: License Recommendations

Date: February 12, 2002
.....

In review of this permit, I found that we could allow 0.30 cfs for each use under the permit with a total use limit of 0.30 cfs. This is because the well water is diverted into storage tanks and then used in their system.

I averaged the adjusted acre feet found by the Water Measurement District for the 2 wells as reported. The average volume diverted each year is as follows:

2001 - 46.7 af
2000 - 56.3 af
1999 - 50.1 af
1998 - 41.4 af
1997 - 96.1 af
1996 - 60.7 af

I came up with a volume of 59.4 acre feet, for the 2 uses under this permit, using the excel spreadsheet. This amount is equitable to the amount the dairy has been reporting for the last 6 years.

Post-It® Fax Note	7671	Date	10-11	# of pages	5
To	Bary Funderburg	From	Kay		
Co./Dept.		Co.			
Phone #	Southern	Phone #			
Fax #		Fax #			

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JUL 23 2003

	1 st meter	2 nd meter
2001	57.83	35.52 = 93.35
2000	71.6	40.99 = 112.59
1999	64.57	35.64 = 100.21
1998	56.42	26.4 = 82.82
1997	87.63	104.5 = 192.13
1996	91.9	29.5 = 121.40

 $702.50 / 6 = 117.08 \text{ AcFt./ Ann. Ave.}$

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 JUL 23 2003

WMD

POD Data

09S 16E 03 SESE

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
09S 16E 03 SESE	A0001239	DAIRY 4, PUMP 2 EAST WELL		401513
Latitude 042:40:03.180	Longitude -114:33:31.793	GPS File Y091916B	Flowmeter (8)	
Comments FLOWMETER IMPELLER "STICKING" DURING EXAM (BCONTOR 9/96);ADD RECO Transfer 5521 (protected)				

Flowmeter Data

Year	Date	Calibration Factor	Max CFS	Adj Max CFS	Acre-Ft	Adj Acre-Ft	Acre-Ft Qualif	Valid	Prefrd
2001	6/7/2000	0.91			63.55	57.83	MR	☐	☐
	Comments								
2000	6/7/2000	0.91			78.68	71.6	MR	☐	☐
	Comments								
1999	6/7/2000	0.91			70.96	64.5736	MR	☐	☐
	Comments								
1998	6/7/2000	0.91	0.42	0.3822	62	56.42	MR	☐	☐
	Comments	Looks Good Arnie 2/1/99.							
1997	6/7/2000	0.91	62	56.42	96.3	87.633	MR	☐	☐
	Comments								
1996		0	49.8	49.8	91.9	91.9	FE	☐	☐
	Comments	LOST 96 READINGS, AVERAGED 97 READINGS.							

Flowmeter Calibration

Calibration Date: 6/7/2000 Calibration Factor: 0.91

401513

Installed Meter	Standard Meter	Other well(s):
Meter Type: IMPELLER	Pipe Material: STEEL	
Manufacturer: AQUAMASTER	Outside Diameter: 3.54	Other meter(s): ☐
Model: 400B	Wall Thickness: 0.206	Comments:
Serial Number: 17708	Upstream Straight:	
Rate Units: GPM	Downstream Straight:	
Rate Multiplier: 1	Meter Type: SONIC	
Volume Units: AF	Measured Flow Units: GPM	
Volume Multiplier: 0.001	Measured Flow: 45.15	
Location: GOOD	Confidence: FAIR	
Indicated Flow: 49.81		

Changed: 7/24/2000

Calibration Date: 9/19/1996 Calibration Factor:

401513

MICROFILMED
APR 23 2002
JUL 23 2003

WMD

POD Data

09S 16E 03 SESE

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
09S 16E 03 SESE	A0001238	DAIRY 4, PUMP 1 WEST WELL		401145
Latitude 042:40:03.180 Longitude -114:33:31.793 GPS File Y091916B Flowmeter (8)				
Comments ADDED RECORD 2/21/95 (SKING) Transfer 5521 (protested)				

Flowmeter Data

Year	Date	Calibration Factor	Max CFS	Adj Max CFS	Acro-Ft	Adj Acro-Ft	Acro-Ft Qualif	Valid	Prefrd
2001	6/7/2000	1.01			35.17	35.52	MR	☐	☐
Comments Meter seems to be slowing down and either needs cleaned and serviced or replaced. Years u									
2000	6/7/2000	1.01			40.58	40.99	MR	☐	☐
Comments									
1999	9/19/1996	0.99			36	35.84	MR	☐	☐
Comments new meter installed 4/99. Reading reflect old and sum of new readings. New meter needs cal									
1998	9/19/1996	0.99	0	0	26.7	26.4	MR	☐	☐
Comments Looks Ok 2/1/99 Amie									
1997	9/19/1996	0.99	50	0	105.6	104.5	MR	☐	☐
Comments									
1996	9/19/1996	0.99	55.5	55.94	29.8	29.5	FE	☐	☐
Comments LOST READINGS FOR 96, AVERAGED 97 READINGS.									

Flowmeter Calibration

Calibration Date: 6/7/2000 Calibration Factor: 1.01

401145

Installed Meter	Standard Meter	Other well(s):
Meter Type: IMPELLER	Pipe Material: STEEL	
Manufacturer: AQUAMASTER	Outside Diameter: 3.54	Other meter(s): ☐
Model: 400B	Wall Thickness: 0.194	Comments:
Serial Number: 17018	Upstream Straight: 2	
Rate Units: GPM	Downstream Straight: 2	
Rate Multiplier: 1	Meter Type: SONIC	
Volume Units: AF	Measured Flow Units: GPM	
Volume Multiplier: 0.001	Measured Flow: 183.1	
Location: GOOD	Confidence: EXCL	
Indicated Flow: 181.8		

Changed: 7/24/2000

Calibration Date: 9/19/1996 Calibration Factor: 0.99

401145

MICROFILMED
JUL 23 2003
APR 23 2002

#4

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-8398

WATER RIGHT NUMBER: 36-8398

<u>Owner Type</u>	<u>Name and Address</u>
Original Owner	BOX CANYON DAIRY PO BOX 140 WENDELL, ID 83355-0140 (208)536-2189
Original Owner	AARDEMA DAIRIES 132A W 500 S JEROME, ID 83338 (208)324-3438
Original Owner	FRANS AARDEMA PO BOX 140 WENDELL, ID 83355-0140 (208)536-2189
Original Owner	CORNELIA AARDEMA PO BOX 140 WENDELL, ID 83355-0140 (208)536-2189
Original Owner	THOMAS HEIDA PO BOX 140 WENDELL, ID 83355-0140 (208)536-2189
Original Owner	MARY JANE HEIDA PO BOX 140 WENDELL, ID 83355-0140 (208)536-2189
Current Owner	DONALD J AARDEMA 144 W 400 S JEROME, ID 83338 (208)324-3438
Current Owner	NORTHWEST FARM CREDIT SERVICES FLCA 1363 FILLMORE PO BOX 5059 TWIN FALLS, ID 83303-5059 (208)733-2577

Priority Date: 02/14/1995

Basis: License

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
STOCKWATER	01/01 to 12/31	0.300 CFS	59.40 AF
COMMERCIAL	01/01 to 12/31	0.300 CFS	59.40 AF
	<u>Total Diversion:</u>	0.300 CFS	59.40 AF

Location of Point(s) of Diversion

GROUND WATER	SE1/4SE1/4	Sec. 3, Twp 09S, Rge 16E, B.M.
JEROME County		

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JUL 23 2003

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-8398

GROUND WATER
JEROME County

SE1/4SE1/4

Sec. 3, Twp 09S, Rge 16E, B.M.

Place of Use

STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	16E	3																X	

COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	16E	2							X		X	X	X	X		X	X		
09S	16E	3			X	X									X	X	X	X	

Conditions of Approval:

1. R04 Use of water under this water right will be regulated by the watermaster of State Water District No. 130.
2. WD8 The place of commercial use authorized by this approval includes land upon which wastewater may be applied for irrigation purposes to satisfy water quality requirements. Water diverted under this approval shall not be used for irrigation unless the water is first used in the dairy as authorized by this water right.

Remarks:

1. Commercial use is for a dairy.

Comments:

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JUL 23 2003

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-8398

Dates and Other Information:

Licensed Date: 4/8/2002
Decreed Date:
Water Supply Bank Enrollment Accepted:
Water Supply Bank Enrollment Removed:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
State or Federal:
Owner Name Connector: And
Water District Number: 130
Generic Max Rate Per Acre:
Generic Max Volume Per Acre:
Decree Defendant:
Decree Plaintiff:
Civil Case Number:
Judicial District:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Carey Act Number:
Mitigation Plan: False

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JUL 23 2002

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
Installed Meter Meter Type: IMPELLER Manufacturer: AQUAMASTER Model: Serial Number: Rate Units: GPM Rate Multiplier: 1 Volume Units: AF Volume Multiplier: 0.001 Location: GOOD Indicated Flow:	Standard Meter Pipe Material: Outside Diameter: Wall Thickness: Upstream Straight: Downstream Straight: Meter Type: Measured Flow Units: Measured Flow: Confidence:	Other well(s): Other meter(s): Comments: impeller seem to be sticking - calibration not completed		
			Changed:	10/16/2000

Site Visits

Site Visit Date	Site Examiner	Reason	Change Date:
6/7/2000	GMOODY	Flowmeter Calibration	10/16/2000
Notes:			
9/19/1996	BCONTOR	Inventory	10/16/2000
Notes:			

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MICROFILMED APR 23 2002

100 2 3 2003

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
Installed Meter Meter Type: IMPELLER Manufacturer: AQUAMASTER Model: Serial Number: Rate Units: GPM Rate Multiplier: 1 Volume Units: AF Volume Multiplier: 0.001 Location: GOOD Indicated Flow: 		Standard Meter Pipe Material: Outside Diameter: Wall Thickness: Upstream Straight: Downstream Straight: Meter Type: Measured Flow Units: Measured Flow: Confidence: 		Other well(s): Other meter(s): ☐ Comments: Changed:

Site Visits

Site Visit Date	Site Examiner	Reason	Change Date:
6/7/2000	GMOODY	Flowmeter Calibration	10/16/2000
Notes:			
9/19/1996	BCONTOR	Inventory	
Notes:			



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

April 9, 2002

DONALD J AARDEMA
144 W 400 S
JEROME ID 83338

NORTHWEST FARM CREDIT SERVICES ACA
PO BOX 5059
TWIN FALLS ID 83303-5059

RE: License No. 36-8398 - Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Enclosed is a copy of the approved Application for Amendment.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-327-7946.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SWK:klt

Enclosure(s)

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APR 23 2002

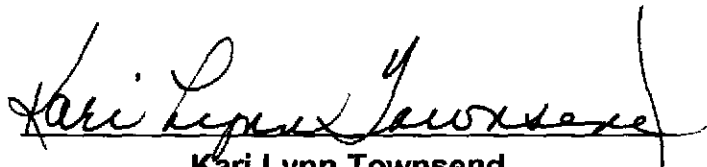
CERTIFICATE OF SERVICE

I hereby certify that on April 9, 2002 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER(Approved License) to the person(s) listed below:

RE: WATER RIGHT NO. 36-8398

**DONALD J AARDEMA
144 W 400 S
JEROME ID 83338**

**NORTHWEST FARM CREDIT SERVICES ACA
PO BOX 5059
TWIN FALLS ID 83303-5059**

A handwritten signature in black ink, appearing to read "Kari Lynn Townsend", written over a horizontal line.

**Kari Lynn Townsend
Secretary**

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APR 23 2002

**EXPLANATORY INFORMATION
TO ACCOMPANY A
PRELIMINARY ORDER**

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources (department) unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the department or the Idaho Water Resource Board (Board) is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

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APR 23 2000

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

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APR 23 2002



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

March 6, 2002

AARDEMA FARMS LTD PARTNERSHIP
144 W 400 S
JEROME ID 83338

NORTHWEST FARM CREDIT SERVICES
PO BOX 5059
TWIN FALLS ID 83303-5059

RE: Water Right Permit 36-08398

Dear Permit Holder(s):

I previously forwarded to you an Application for Amendment so that you could amend your permit to depict your water right as it has actually been developed.

As of this date, I have not received this amendment. If I do not receive the amendment within 14 days, a Water Right License will be issued for less than could have been allowed. In case the amendment form I sent you has been misplaced, a new one is enclosed. Please note that the filing fee for this amendment is \$50.00.

If you have any questions regarding this matter, please call me at 208-327-7944.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

KW:klt

Enclosure

*no response -
license without
commercial
waste p/u -
KW
3/27/02*

MICROFILMED

APR 23 2002



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

February 13, 2002

AARDEMA FARMS LTD PARTNERSHIP
144 W 400 S
JEROME ID 83338

NORTHWEST FARM CREDIT SERVICES
PO BOX 5059
TWIN FALLS ID 83303-5059

RE: Water Right Permit No. 36-08398

Dear Permit Holders:

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211, Idaho Code. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

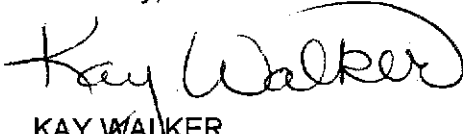
Based on the examiner's report, the following elements were developed differently than described on your permit:

 Place(s) of Use

The enclosed Application for Amendment form depicts the elements of the water right as they will appear on the license when it is issued. Please review the amendment form carefully. If you concur with the information presented, please sign the form and return it with the \$50.00 filing fee within 14 days.

If you have any questions, please call me at 208-327-7944.

Sincerely,



KAY WALKER
Sr. Water Resource Agent

Enclosure

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APR 23 2002

MEMORANDUM

TO: File 36-08398

FROM: KAY WALKER

RE: License Recommendations

Date: February 12, 2002

.....

In review of this permit, I found that we could allow 0.30 cfs for each use under the permit with a total use limit of 0.30 cfs. This is because the well water is diverted into storage tanks and then used in their system.

I averaged the adjusted acre feet found by the Water Measurement District for the 2 wells as reported. The average volume diverted each year is as follows:

2001 - 46.7 af
2000 - 56.3 af
1999 - 50.1 af
1998 - 41.4 af
1997 - 96.1 af
1996 - 60.7 af

I came up with a volume of 59.4 acre feet, for the 2 uses under this permit, using the excel spreadsheet. This amount is equitable to the amount the dairy has been reporting for the last 6 years.

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APR 23 2002

WMD**POD Data****09S 16E 03 SESE**

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
09S 16E 03 SESE	A0001238	DAIRY 4, PUMP 1 WEST WELL		401145
Latitude 042:40:03.180		Longitude -114:33:31.793	GPS File Y091916B	Flowmeter (8)
Comments ADDED RECORD 2/21/95 (SKING) Transfer 5521 (protested)				

Flowmeter Data

Year	Date	Calibration Factor	Max CFS	Adj Max CFS	Acre-Ft	Adj Acre-Ft	Acre-Ft Qualif	Valid	Prefrd
2001	6/7/2000	1.01			35.17	35.52	MR	☐	☐
	Comments Meter seems to be slowing down and either needs cleaned and serviced or replaced. Years u								
2000	6/7/2000	1.01			40.58	40.99	MR	☐	☐
	Comments								
1999	9/19/1996	0.99			36	35.64	MR	☐	☐
	Comments new meter installed 4/99. Reading reflect old and sum of new readings. New meter needs cal								
1998	9/19/1996	0.99	0	0	26.7	26.4	MR	☐	☐
	Comments Looks OK 2/1/99 Arnie								
1997	9/19/1996	0.99	50	0	105.6	104.5	MR	☐	☐
	Comments								
1996	9/19/1996	0.99	56.5	55.94	29.8	29.5	FE	☐	☐
	Comments LOST READINGS FOR 96, AVERAGED 97 READINGS.								

Flowmeter CalibrationCalibration Date: **6/7/2000** Calibration Factor: **1.01****401145**

Installed Meter	Standard Meter	Other well(s):
Meter Type: IMPELLER	Pipe Material: STEEL	
Manufacturer: AQUAMASTER	Outside Diameter: 3.54	Other meter(s): ☐
Model: 400B	Wall Thickness: 0.194	Comments:
Serial Number: 17018	Upstream Straight: 2	
Rate Units: GPM	Downstream Straight: 2	
Rate Multiplier: 1	Meter Type: SONIC	
Volume Units: AF	Measured Flow Units: GPM	
Volume Multiplier: 0.001	Measured Flow: 183.1	
Location: GOOD	Confidence: EXCL	
Indicated Flow: 181.8		

Changed: 7/24/2000

Calibration Date: **9/19/1996** Calibration Factor: **0.99****401145**

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APR 22 2002

POD

Installed Meter	Standard Meter	Other well(s):
Meter Type: IMPELLER	Pipe Material:	Other meter(s): ☐
Manufacturer: AQUAMASTER	Outside Diameter:	Comments:
Model:	Wall Thickness:	
Serial Number:	Upstream Straight:	
Rate Units: GPM	Downstream Straight:	
Rate Multiplier: 1	Meter Type:	
Volume Units: AF	Measured Flow Units:	
Volume Multiplier: 0.001	Measured Flow:	
Location: GOOD	Confidence:	
Indicated Flow:		Changed:

Site Visits

Site Visit Date	Site Examiner	Reason	Change Date:
6/7/2000	GMOODY	Flowmeter Calibration	10/16/2000
Notes:			
9/19/1996	BCONTOR	Inventory	
Notes:			

MICROFILMED
APR 23 2002

WMD**POD Data****09S 16E 03 SESE**

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
09S 16E 03 SESE	A0001239	DAIRY 4, PUMP 2 EAST WELL		401513
Latitude 042:40:03.180 Longitude -114:33:31.793 GPS File Y091916B Flowmeter (8)				
Comments FLOWMETER IMPELLER "STICKING" DURING EXAM (BCONTOR 9/96);ADD RECO Transfer 5521 (protested)				

Flowmeter Data

Year	Date	Calibration Factor	Max CFS	Adj Max CFS	Acre-Ft	Adj Acre-Ft	Acre-Ft Qualif	Valid	Prefrd
2001	6/7/2000	0.91			63.55	57.83	MR	☐	☐
	Comments								
2000	6/7/2000	0.91			78.68	71.6	MR	☐	☐
	Comments								
1999	6/7/2000	0.91			70.96	64.5736	MR	☐	☐
	Comments								
1998	6/7/2000	0.91	0.42	0.3822	62	56.42	MR	☐	☐
	Comments Looks Good Arnie 2/1/99.								
1997	6/7/2000	0.91	62	56.42	96.3	87.633	MR	☐	☐
	Comments								
1996		0	49.8	49.8	91.9	91.9	FE	☐	☐
	Comments LOST 96 READINGS, AVERAGED 97 READINGS.								

Flowmeter Calibration

Calibration Date: 6/7/2000

Calibration Factor: 0.91

401513

Installed Meter	
Meter Type:	IMPELLER
Manufacturer:	AQUAMASTER
Model:	400B
Serial Number:	17708
Rate Units:	GPM
Rate Multiplier:	1
Volume Units:	AF
Volume Multiplier:	0.001
Location:	GOOD
Indicated Flow:	49.81

Standard Meter	
Pipe Material:	STEEL
Outside Diameter:	3.54
Wall Thickness:	0.206
Upstream Straight:	
Downstream Straight:	
Meter Type:	SONIC
Measured Flow Units:	GPM
Measured Flow:	45.15
Confidence:	FAIR

Other well(s):

Other meter(s): ☐

Comments:

Changed: 7/24/2000

Calibration Date: 9/19/1996

Calibration Factor:

401513

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APR 23 2002

Legal Description	GPS Site ID	Diversion Name	Meas Option	POD
Installed Meter Meter Type: IMPELLER Manufacturer: AQUAMASTER Model: Serial Number: Rate Units: GPM Rate Multiplier: 1 Volume Units: AF Volume Multiplier: 0.001 Location: GOOD Indicated Flow: 		Standard Meter Pipe Material: Outside Diameter: Wall Thickness: Upstream Straight: Downstream Straight: Meter Type: Measured Flow Units: Measured Flow: Confidence: 		Other well(s): Other meter(s): Comments: Impeller seem to be sticking - calibration not completed Changed: 10/16/2000

Site Visits

Site Visit Date	Site Examiner	Reason	Change Date:
6/7/2000	GMOODY	Flowmeter Calibration	10/16/2000
Notes: 			
9/19/1996	BCONTOR	Inventory	10/16/2000
Notes: 			

LICENSE REVIEW CHECKLIST

Permit No. 36-8398

Date: 1-24-2002 Reviewer: Kay Walker

Change/OK

Name/Address

change name per assignment of 5/30/2000 Rec'd 4/20/2001

Source

Point of Diversion:

OK
OK

Does change clarify original intended source? If no, void permit.

Change (P39/P49) Add (P45/P44) Feds (P40)

W32 (multiple in 1/4/1/4)

W36 (overlap)

W59 (subdivision description)

Place of Use

Change (P41/P49) Add (P41/P44) Feds (P43)

W60 (subdivision description)

W27 (ppu acre limit)

Overlaps: Right(s):

File reviewed 36-14668 Profile reports printed ✓

P/D & P/U amend (P37) Feds (P48)

Rate of Diversion:

Permitted rate 0.6 cfs

Fee Limit 1.0 cfs

Measured 0.3 cfs

Theoretical 0.3 cfs

Recommended Total Diversion Rate 0.3

Water Uses

OK Change (P46)

Season of Use per new Standards

Irrigation 0.3 cfs 39.8 af

Stockwater 0.3 cfs 19.6 af

Domestic 0.3 cfs 19.6 af

Comm 0.3 cfs 19.6 af

Total 0.3 cfs 59.4 af

Irrigation - overlap(R58-R61, R62-R65, R66-R69)

supp. Gw (WB7/065/104)

overlap spec combined rts (W35)

<1 acre (W31)

Domestic (W01/wb5/070/071/075)

Power (W42 or W43/025/027/R22 or R23)

Fish (042)

Fire (077)

Water Quality (106/R07)

Payette - (W22/047/27A)

Stockwater for US (R37)

Volume Determination

0.3 cfs x 1.9835 x 1 days = 0.595 af (vs) 59.4 acres x 1 (FHR) = 59.4 af

Remarks:

Additional Conditions 130 Watermaster Control
 GW Measurement/Measuring Device
 Other
 Trust R55 - remove 051)
 Non-trust (048)

GW Dist? North Snake GW Dist
 Water Msmt. Dist? West WMD
 Crit. GWMA?
 GWMA? Thousand Springs
 Government Lots?

Advance Priority? yes If yes, explain why below.

✓ no

SRBA Claim?

no - not req'd

Adjust memo

Amend Letters P87, S06

Second Amendment Notice P44 S06

*add
waste water
PIU*

*Domestic use
for 2 homes*

*VAX OK
on back*

per VAX 1/24/02:

p/d = {

- T36-2087M ✓
- T36-2113M ✓
- T36-2161M ✓
- T36-2289P ✓
- T36-2311M ✓
- T36-2614M ✓
- T36-7307M ✓
- T36-7362M ✓
- T36-7477M ✓
- T36-7606M ✓
- T36-7779M ✓
- T36-7832M ✓
- T36-10225M ✓
- T36-15169M ✓
- T36-2500M ✓

→ 36-14668 Domestic 0.06 cfs

p/u = North Side Canal Co.

~~T36-2500M~~

+ those shown above w/✓

protested 1999 - Mem (1/02)
transfer
5521
New App. # 66941

This same ground is
covered by other
lagoon waste.

Att:

Kay Walker

CARL

RECEIVED

FEB 11 2002



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

January 25, 2002

AARDEMA Farms
Don AARDEMA Farms
AARDEMA FARMS LIMITED PARTNERSHIP
144 W 400 S
JEROME ID 83338

NORTHWEST FARM CREDIT SERVICES FLCA
PO BOX 5059
TWIN FALLS ID 83303-5059

RE: Permit No. 36-08398

Dear Permit Holders:

Permit 36-08398 is currently being reviewed for licensing. Since you received your permit, the Department has taken a position that it is necessary to clarify the place of use for land application of waste from dairies as part of the water right. We would like to give you the opportunity to include the description of the place of use for this waste water on your water right license. Please submit information, by 40-acre tract descriptions, that describes where the waste water is used and the ownership of the lands that this water is applied. Enclosed, for your convenience, is a copy of a topographical map that you can use to identify these lands. Please mark on the map where your waste water is being applied. If land application is found to be in tracts not included on your permit, we will request that you amend your permit before licensing to include this information on the license. If the waste water is not land applied, please advise us by telephone, e-mail (kwalker@idwr.state.id.us) or a letter.

Please submit the requested information within the next 14 days so we can proceed with licensing your permit. If you have any questions, please feel free to contact me at (208) 327-7944.

Sincerely,

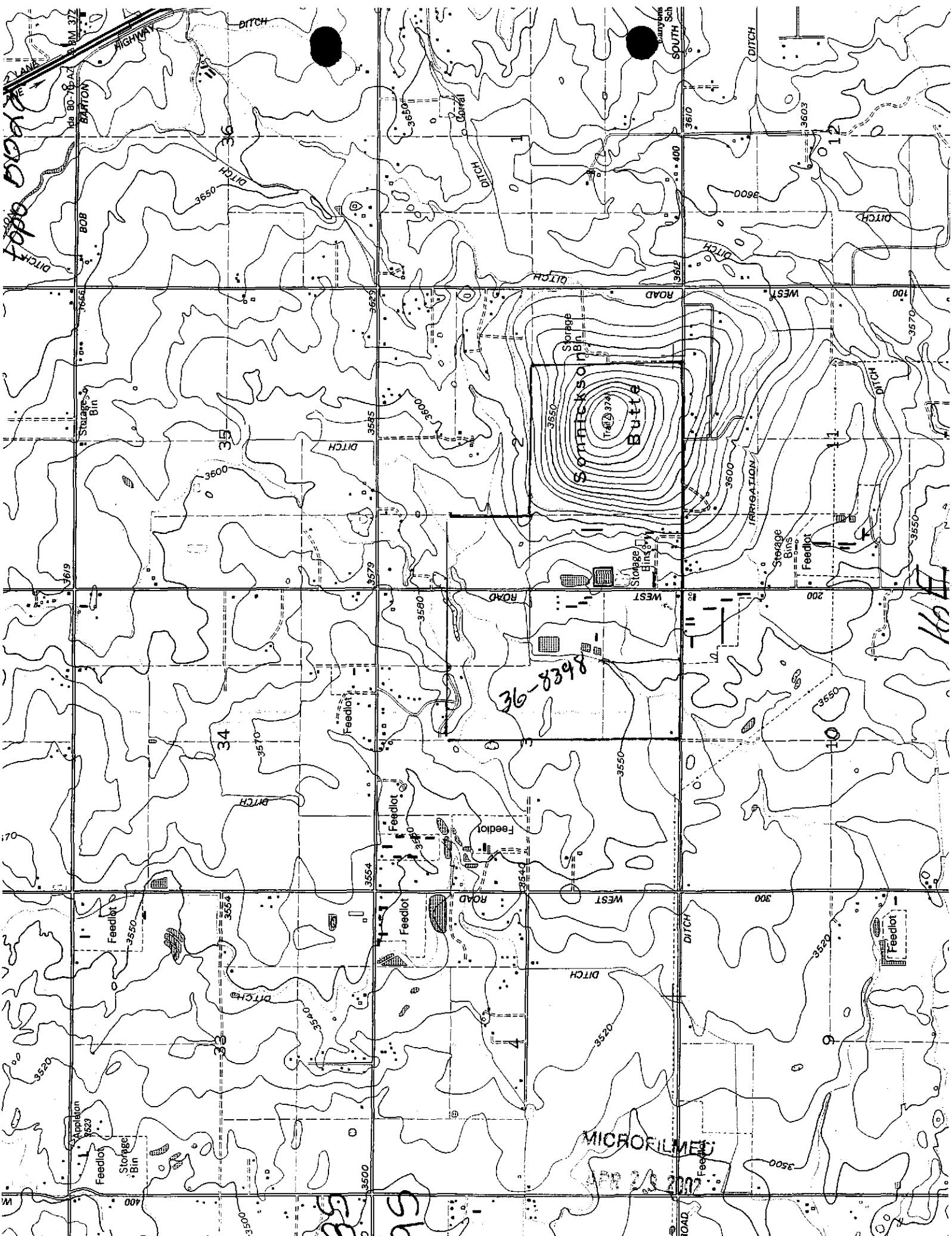
KAY WALKER
Sr. Water Resource Agent

KW:k
Enclosure

*(per Gary Funderburg -
lands using waste
water are owned
by permit holder)*

MICROFILMED

APR 23 2002



FILE NUMBER 36-08398
REVIEWER kw
DATE February 12, 2002

DAIRIES: WATER USE WORKSHEET

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1000
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS
3-4 MONTHS
5-8 MONTHS
9-12 MONTHS
13-15 MONTHS
16-24 MONTHS
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 1
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 60
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 5.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) 20
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? Y
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? 12.0
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? 12.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? 0.0
IS A PLATE COOLER USED? Y
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE
COOLER, LEAVE BLANK) Y
ARE CORRAL MISTERS USED IN HOLDING PEN? Y
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN)
ASSUME 1 MISTER FOR EVERY 5 COWS 250
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) 3.00
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 25) 25
OPERATION TIME OF MISTERS (HRS/DAY) 180
DAYS PER YEAR MISTERS ARE USED 90
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT
INDIVIDUALLY CALCULATED BELOW (EX - RESTROOMS, WASHING MACHINES) 0

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.10
DRY CATTLE @17.0 GPD/HD 0.03
REPLACEMENT CATTLE 0.00
TOTAL 0.12

COMMERCIAL
TOTAL 0.05

TOTAL DIVERSION RATE 0.17

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 32.3
DRY CATTLE 7.5
REPLACEMENT CATTLE 0.0
TOTAL 39.8

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 1.1
PARLORMILKHOUSEHOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 1.1
PLATE COOLER 0.0
CORRAL MISTERS 14.9
MISCELLANEOUS USES 0.0
TOTAL 19.6

TOTAL DIVERSION VOLUME 59.4

CONSUMPTIVE USE VOLUME (AFA)(assuming 100% consumptive):

STOCKWATER 39.8
COMMERCIAL 19.6
TOTAL CONSUMPTIVE USE 59.4

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	0.00	0.00	0.00	0.00	0.00
PUMP EFFICIENCY (%)	70	70	70	70	70
LIFT (FT)	230	0	0	0	0
DISCHARGE PRESSURE (PSI)	40	0	0	0	0
FRICTION LOSSES (FT)	3.0	0.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	12.0	0.0	6.0	0.0	0.0

CALCULATIONS

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
THEORETICAL FLOW RATE (CFS) *	0.00	0.00	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	0.0	0.0	0.0	0.0	0.0

* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

*should have used
3 hrs. here - not 180
kw*

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	4.80 CFS
ACRES OF IRRIGATION	240.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)? B	

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.020 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	9.5 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	14.9 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	19.8 ACRES

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APR 23 2002



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

January 25, 2002

AARDEMA FARMS LIMITED PARTNERSHIP
144 W 400 S
JEROME ID 83338

NORTHWEST FARM CREDIT SERVICES FLCA
PO BOX 5059
TWIN FALLS ID 83303-5059

RE: Permit No. 36-08398

Dear Permit Holders:

Permit 36-08398 is currently being reviewed for licensing. Since you received your permit, the Department has taken a position that it is necessary to clarify the place of use for land application of waste from dairies as part of the water right. We would like to give you the opportunity to include the description of the place of use for this waste water on your water right license. Please submit information, by 40-acre tract descriptions, that describes where the waste water is used and the ownership of the lands that this water is applied. Enclosed, for your convenience, is a copy of a topographical map that you can use to identify these lands. Please mark on the map where your waste water is being applied. If land application is found to be in tracts not included on your permit, we will request that you amend your permit before licensing to include this information on the license. If the waste water is not land applied, please advise us by telephone, e-mail (kwalker@idwr.state.id.us) or a letter.

Please submit the requested information within the next 14 days so we can proceed with licensing your permit. If you have any questions, please feel free to contact me at (208) 327-7944.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

KW:k
Enclosure

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APR 23 2002

OVERLAP REVIEW FOR POINT OF DIVERSION AND PLACE OF USE 1/24/2002
(ON NEW SYSTEM)

Basin	Sequence	Split	Priority Date	Rate	Water Use List	Owner List	Source Table	Application
36	8398		2/14/1995	0.60	COMMERCIAL, STOCKWATER	AARDEMA	wrWaterPermit	
36	2087	M	1/23/1950	0.01	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	2113	M	3/12/1951	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	2161	M	1/11/1952	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	2289	P	12/2/1955	0.00	COMMERCIAL, IRRIGATION		xrToAdjClaimList	66941
36	2311	M	11/23/1956	0.01	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	2500	M	7/18/1961	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	2614	M	6/7/1965	0.01	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	7307	M	2/26/1973	0.01	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	7362	M	8/2/1973	0.01	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	7477	M	5/28/1974	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	7606	M	2/4/1976	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	7779	M	2/22/1978	0.01	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	7832	M	12/11/1978	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	10225	M	5/1/1985	0.00	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	15169	M	12/11/1969	0.02	COMMERCIAL, STOCKWATER		xrToAdjClaimList	66941
36	14668		2/10/1948	0.06 cfs	Domestic		WR Right	

old #5521
still protested -
2/10/1948
see proof report attached

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APR 23 2002

36-8398

DAIRY WATER USE QUESTIONNAIRE

NUMBER OF MILKING CATTLE	1500
NUMBER OF DRY CATTLE	300
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS	—
3-4 MONTHS	50
5-8 MONTHS	50
9-12 MONTHS	50
13-15 MONTHS	50
16-24 MONTHS	200
ENTER 1 FOR <u>MANUAL COW WASHING</u> 2 FOR AUTOMATIC, OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS	1
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN	—
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN)	—
OPERATION TIME OF SPRINKLERS (MIN/DAY)	—
NUMBER OF MILKINGS PER DAY	2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.)	70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE	24
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE	24
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS?	N
IS RECYCLED WATER USED TO WASH COWS?	N
IS A PLATE COOLER USED?	Y
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER, LEAVE BLANK)	Y
IF CORRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN	250
NOZZLE DISCHARGE (GPM)	3
OPERATION TIME OF MISTERS (MIN/DAY)	180
DAYS PER YEAR MISTERS ARE USED	90

permit
limits
to 1000
dairy,
500 range

recycled
water used
to water
corrals

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APR 23 2002

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-14668

WATER RIGHT NUMBER: 36-14668

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	BOX CANYON DAIRY PO BOX 140 WENDELL, ID 83355-0140 (208) 536-2189
Current Owner	FRANS AARDEMA PO BOX 140 WENDELL, ID 83355-0140 (208) 536-2189
Current Owner	CORNELIA AARDEMA PO BOX 140 WENDELL, ID 83355-0140 (208) 536-2189
Current Owner	THOMAS HEIDA PO BOX 140 WENDELL, ID 83355-0140 (208) 536-2189
Current Owner	MARY JANE HEIDA PO BOX 140 WENDELL, ID 83355-0140 (208) 536-2189
Original Owner	AARDEMA DAIRIES 132A W 500 S JEROME, ID 83338 (208) 324-3438

Priority Date: 02/10/1948

Basis: Decreed

Status: Active

SourceTributary

GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
DOMESTIC	1/01 to 12/31	0.060 CFS	
	<u>Total Diversion:</u>	0.060 CFS	

Location of Point(s) of Diversion

GROUND WATER NE1/4SE1/4SE1/4 Sec. 3, Twp 09S, Rge 16E, B.M.
JEROME County

Place of Use

DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	16E	3																	X

see
remark

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APR 23 2002

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-14668

Conditions of Approval:

1. N11 THE QUANTITY OF WATER DECREED FOR THIS WATER RIGHT IS NOT A DETERMINATION OF HISTORICAL BENEFICIAL USE.
2. N13 THE QUANTITY OF WATER UNDER THIS RIGHT SHALL NOT EXCEED 13,000 GALLONS PER DAY.

Remarks:

1. Explanatory PARCEL NO. RL09S16E039480

Comments:

1. STERLING 4/26/1991 REVIEW - MSS

Comment: LICENSED RIGHT 36-08021 COVERS THE SAME 2 HOMES AS ARE COVERED ON THIS RIGHT, BUT HAS A 1982 PRIORITY DATE. THE PRESENCE OF THE HOMES WAS VERIFIED DURING THE LICENSING FIELD EXAM IN 1988. IN ORDER TO GAIN THE EARLIER PRIORITY DATE, THIS RIGHT WILL BE RECOMMENDED AND THE DOMESTIC USE WILL BE REMOVED FROM 36-08021. THE LICENSING FIELD EXAM FOR 36-08021 DESCRIBES THE P/D AS THE NENESE, AND WILL BE RECOMMENDED AS SUCH.

2. MERRITT 3/4/1994 APPARENT P/U DATA ENTRY ERROR

Comment: DOUG JONES DISCOVERED APPARENT DATA ENTRY ERROR IN RECOMMENDATION IN THAT P/U CLAIMED & VERIFIED WAS SEC.3 HOWEVER RECOMMENDATION LISTS SEC.2. SPENCER & SHAW INFORMED BY MAIL. ADM

3. D&S-DSHA 10/2/1996 D&S CONDITION CODE UPDATE

Comment: CONDITION CODE N11 ADDED CONDITION CODE N13 ADDED

Dates and Other Information:

Licensed Date:

Decreed Date: 12/13/1996

Water Supply Bank Enrollment Accepted:

Water Supply Bank Enrollment Removed:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

State or Federal: S

Owner Name Connector:

Water District Number:

Generic Max Rate Per Acre:

Generic Max Volume Per Acre:

Decree Defendant:

Decree Plaintiff:

Civil Case Number:

Judicial District:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Carey Act Number:

Mitigation Plan: False

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APR 23 2002

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORTRECEIVED
APR 12 2000
DEPARTMENT OF WATER RESOURCES

A. GENERAL INFORMATION

Permit No. 36-083981. Owner: Aardema Dairy Phone No. 324-1615Current Address: 132-A W 500 S Jerome ID 833382. Accompanied by: Ron Aardema EXAM DATE: Jan 14, 2000Address: Same Phone No. SameRelationship to Permit Holder: Owner3. Source: Ground water tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: _____

2. Other water rights with the same point of diversion: T-5521

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SE	SE	3	9S	16E	Jerome	GIS, GPS TAG#s
									A0001239 - East Well
									A0001238 - West Well

2. Place(s) of Use:

Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9S	16E	3																5/2	

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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.

Scale: 1" = _____

____ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0001239		15		STA RITE	2366139020
A0001238		15		STA RITE	2366139020

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

D. FLOW MEASUREMENTS

1.

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

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001 07 1961

2. Measurements:

One meter was operating in the pump house upon exam. It was recording 168gpm. The Fuji recorded an average of 168gpm.

Have conditions of permit approval been met? ☒ yes ☐ no

E. NARRATIVE/REMARKS/COMMENTS

F. FLOW CALCULATIONS

Measured Method:

☒ Additional Computation Sheets Attached

Fuji Measurement $68 \text{ gpm}(2) = \frac{136 \text{ gpm}}{448.83} = \boxed{0.30 \text{ cfs}}$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

* Please see additional computation sheets attached. *

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Stockwater	1-1	12-31	0.17	76.65
Commercial	1-1	12-31	0.13	94.9
Totals:			0.30	171.55

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

I. AUTHENTICATION

Field Examiner's Name Amanda Flynn Date 3-29-00

Reviewer _____ Date _____

SEAL

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OCT 8 2 2001

E. NARRATIVE/REMARKS/COMMENTS

FILE: 36-08398
FROM: AMANDA FOLSOM
DATE: MARCH 29, 2000

The field exam for Ron Aardema's dairy was preformed on January 14, 2000. The wells and milking barn related to this permit are south of the dairy offices in the SESE ¼ of Twn 09S, Rng 16E, Sec 3.

There are two wells that are connected, the East well and West well. Both wells feed into a very organized pump house. The East well is used for the plate cooler, which is recycled to water the corrals. The well water is used when the recycled water is not sufficient. The West well is used for the barn, which includes the back flush system, the storage tank, and to clean the parlor and bulk tanks. There are two bulk tanks, 6,000 gallons apiece.

On the dairy there are 1500 milking cattle, 300 dry, and 400 heifers. The milking parlor is a double 16 where the cows are milked twice a day.

One of the meters was operating in the pump house upon exam. It was recording 62gpm. I verified this measurement with the Fuji, which recorded 68gpm. The measurement showed a capacity of 0.30cfs.

The system was operating normally when the measurement was preformed; therefore, I am recommending the 0.30cfs. I have also included extra calculations that I performed to calculate the cfs and afa. I would also like to note that transfer number T-5521 was protested for this dairy. My recommendation is as follows:

Stockwater	0.17cfs	76.65afa
Commercial	0.13cfs	94.9afa
Total	0.30cfs	171.55afa

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OCT 02 2001

Worksheet 1. Calculating Daily Herd Requirements for Fresh Water**Drinking Water Estimates (see Table 1 & 2)**

	Number	Estimated Use (gallons per day)	
		Individual	Total
		per day	
Milking Cows	<u>1500</u>	<u>38.7</u>	<u>58,050</u>
Dry Cows	<u>300</u>	<u>16.2</u>	<u>4,860</u>
Heifers			
16-24 mo	<u>200</u>	<u>14.5</u>	<u>2,900</u>
13-15 mo	<u> </u>	<u> </u>	<u> </u>
9-12 mo	<u> </u>	<u> </u>	<u> </u>
5-8 mo	<u> </u>	<u> </u>	<u> </u>
3-4 mo	<u> </u>	<u> </u>	<u> </u>
0-2 mo	<u> </u>	<u> </u>	<u> </u>

Total herd drinking water used

$$A. \frac{67,930}{696315} = 0.11 \text{ cfs}$$

Wash Pen Estimate (see Table 3)

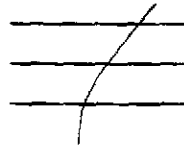
1 - Sprinkler discharge per nozzle

2 - Number of nozzles

3 - Minutes per day used

Total wash pen water used

(Line 1 x line 2 x line 3)

B. **Milk house and Parlor Estimate (see Table 4)**

* Please see back -> *

	Water per operation	Gallons per day
Bulk tank	<u>116(94)</u>	<u>10,904</u>
Pipeline	<u>140(94)</u>	<u>13,160</u>
Backflush	<u>5(1500)(2)</u>	<u>1,500</u>
Cleanup	<u>500(94)</u>	<u>47,000</u>
(Parlor, milk house and holding pen)		
Cow prep	<u>4(94)</u>	<u>376</u>
Plate cooler	<u>8(1500)</u>	<u>12,000</u>
(ignore if water recycled)		

Total milk house and parlor water used

$$C. \frac{84,940}{696315} = 0.13 \text{ cfs}$$

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TOTAL FRESH WATER ESTIMATE (A + B + C)

$$\frac{152,870}{696315} = 0.24 \text{ cfs}$$

* AFA Calculations on Back *

$$1500 \text{ milking cows} / (16 \text{ stalls})(2) = \boxed{94 \text{ washes}}$$

AFA Calculations

$$\text{Stockwater} \quad \frac{67930}{325850} = 76.65$$

$$\text{Commercial.} \quad \frac{84940}{325850} = \underline{94.9}$$

$$\text{Total} \quad 171.552$$

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OCT 02 2001

No.04
LOG NAME:AA1
START :01-14 13:59
END :01-14 14:09
INTERVAL:00:01:00

Aardema
36-08398

01-14 13:59:00
+2.507E+0 ft/s
+6.208E+1 gal/m
+TOTAL 0000013 gal
-TOTAL 0000000 gal
NORMAL

62

61

01-14 14:00:00
+2.479E+0 ft/s
+6.137E+1 gal/m
+TOTAL 0000075 gal
-TOTAL 0000000 gal
NORMAL

61

62

01-14 14:01:00
+2.473E+0 ft/s
+6.122E+1 gal/m
+TOTAL 0000137 gal
-TOTAL 0000000 gal
NORMAL

62

62

01-14 14:02:00
+2.497E+0 ft/s
+6.181E+1 gal/m
+TOTAL 0000199 gal
-TOTAL 0000000 gal
NORMAL

60

61

61

62

62

01-14 14:03:00
+2.489E+0 ft/s
+6.163E+1 gal/m
+TOTAL 0000261 gal
-TOTAL 0000000 gal
NORMAL

$$\frac{676}{10} = 68 \text{ gpm (2)} = 136 \text{ gpm}$$

01-14 14:04:00
+2.496E+0 ft/s
+6.180E+1 gal/m
+TOTAL 0000322 gal
-TOTAL 0000000 gal
NORMAL

$$\frac{136 \text{ gpm}}{448.83} = \boxed{0.30 \text{ cfs}}$$

01-14 14:05:00
+2.436E+0 ft/s
+6.032E+1 gal/m
+TOTAL 0000383 gal
-TOTAL 0000000 gal
NORMAL

$$\frac{676}{11} = 61.45(2)$$

01-14 14:06:00
+2.456E+0 ft/s
+6.080E+1 gal/m
+TOTAL 0000444 gal
-TOTAL 0000000 gal
NORMAL

$$= \frac{122.9 \text{ gpm}}{448.8}$$

01-14 14:07:00
+2.450E+0 ft/s
+6.066E+1 gal/m
+TOTAL 0000505 gal
-TOTAL 0000000 gal
NORMAL

$$= 0.27$$

01-14 14:08:00
+2.484E+0 ft/s
+6.151E+1 gal/m
+TOTAL 0000566 gal
-TOTAL 0000000 gal
NORMAL

01-14 14:09:00
+2.489E+0 ft/s
+6.161E+1 gal/m
+TOTAL 0000628 gal
-TOTAL 0000000 gal
NORMAL

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Corrals

Corrals

Corrals

Other Dairy
Owner or
Dinner
Room

Dairy
Offices

Drive Way

Fence separates the
two dairies.

Milking Barn

Acad 1238
East Well

East - Acad 1239

Pump House

Drive Way

200 W

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OCT 8 2 2001

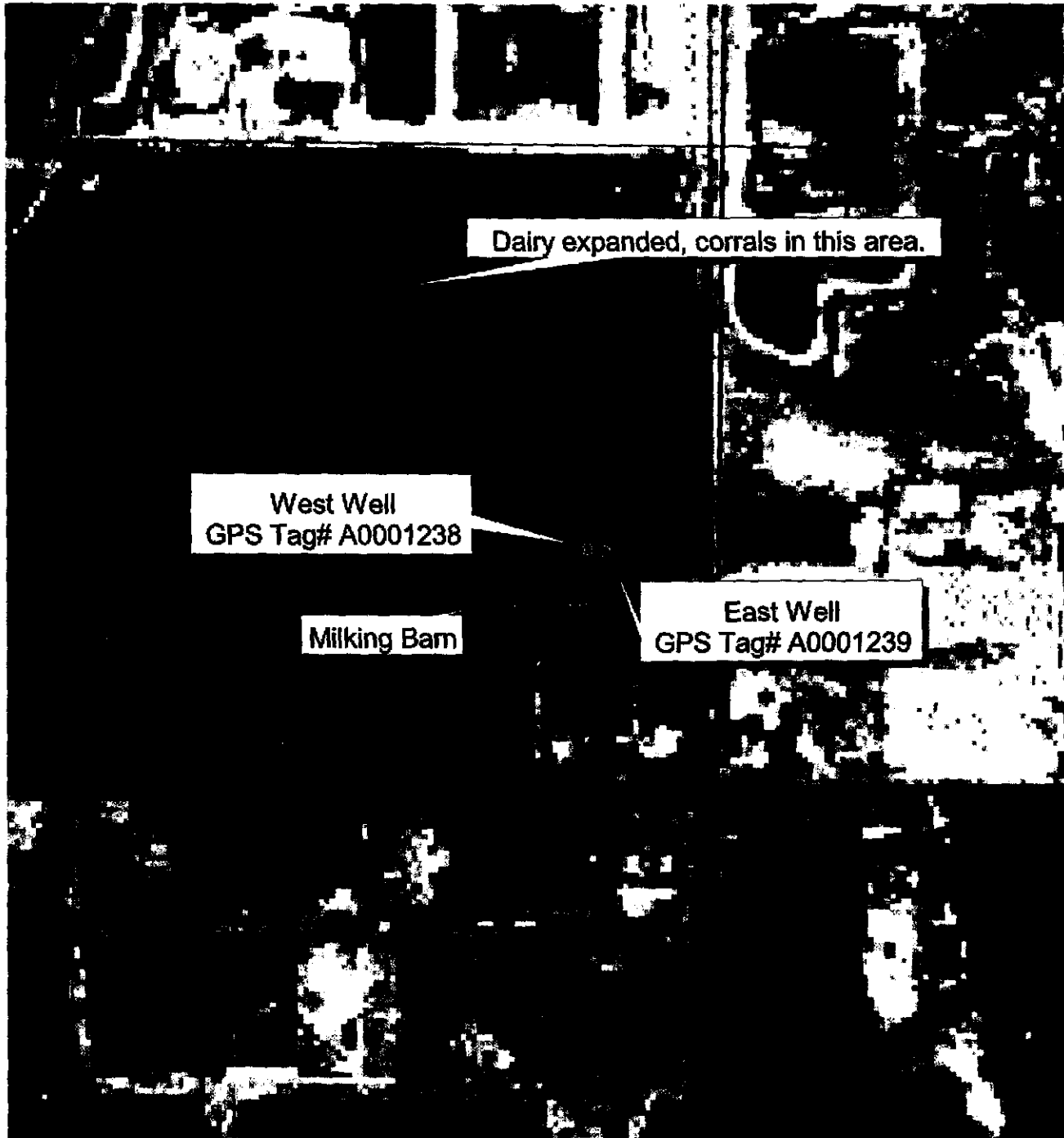
36-08398

Idaho Department of Water Resource
Recommendation for Permit 36-08398

Aardema Dairy
c/o Ron Aardema

T09S

R16E



● Points of Diversion

□ Quarter-quarter Lines

□ Section Lines



Point of Diversion

T09S R16E S3

Data entry on Jan 19, 2000

Point of Diversion Presentation
1987/1988 NAPP Photography
Data Entry By: Amanda Folsom

Idaho Department of Water Resource
Recommendation for Permit

36-08517 & -08398

Aardema Dairy

T09S

c/o Ron Aardema

R16E



● Points of Diversion

□ Quarter-quarter Lines

□ Section Lines

N
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OCT 02 2001

Point of Diversion

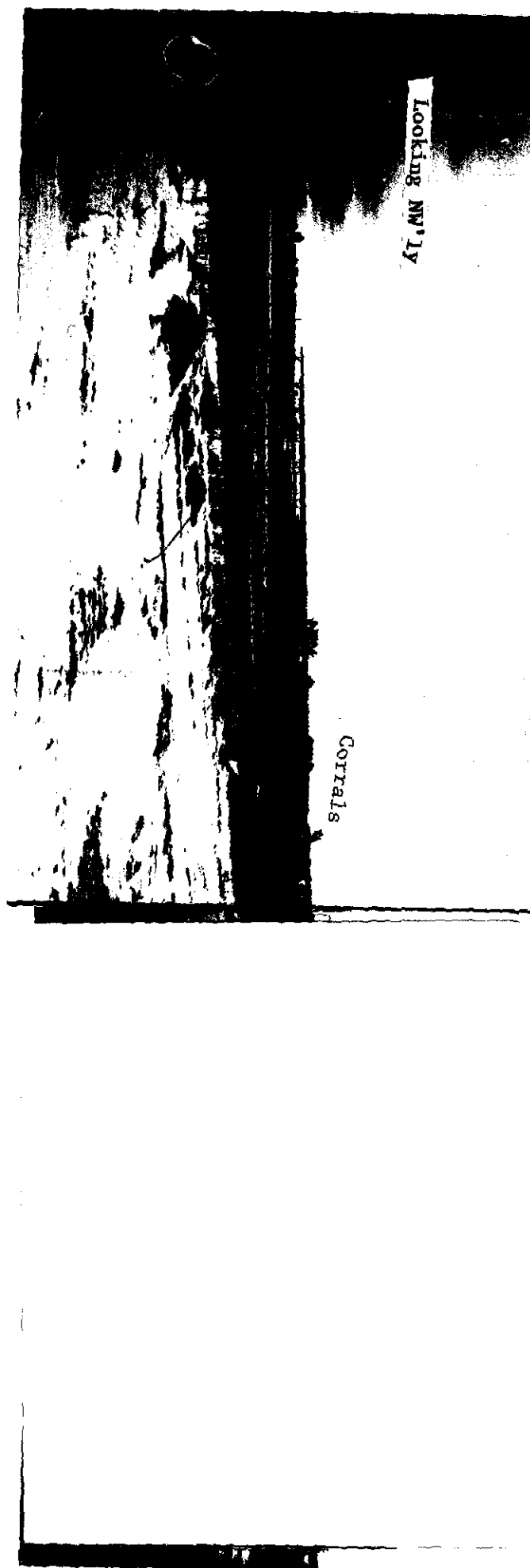
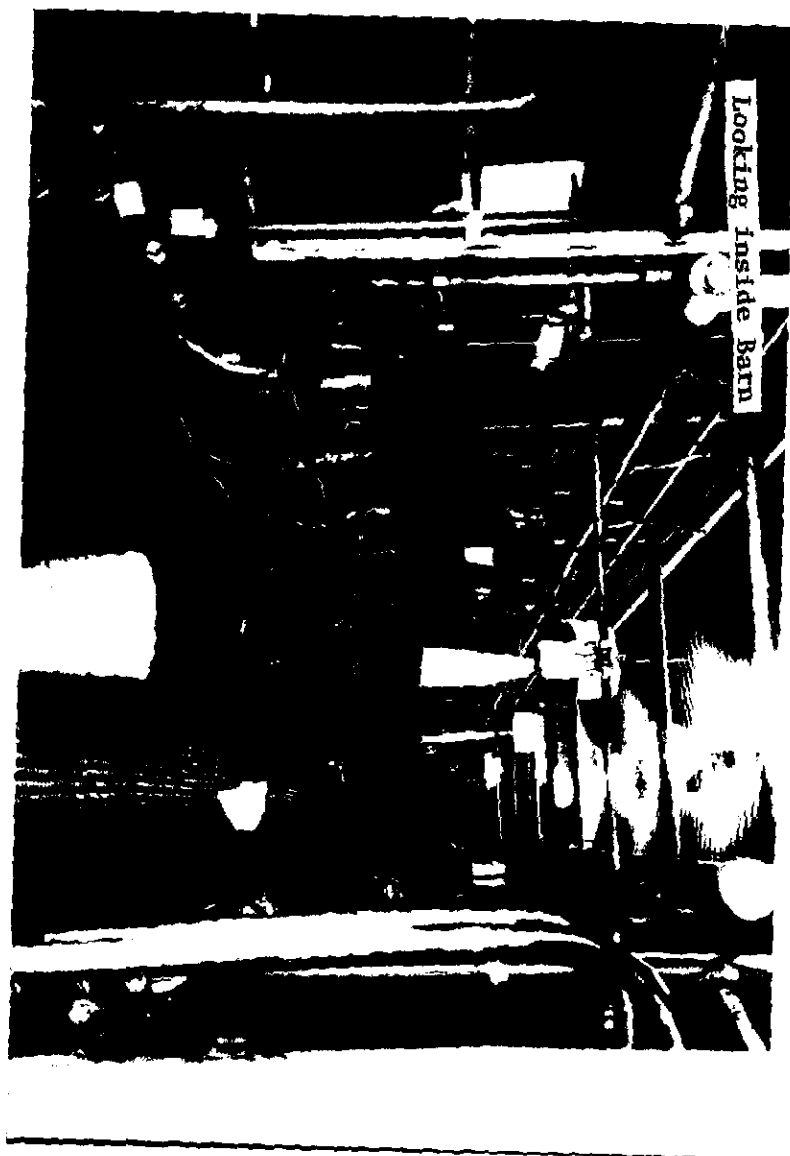
T09S R16E S3

Data entry on Jan 19, 2000

Point of Diversion Presentation

1987/1988 NAPP Photography

Data Entry By: Amanda Folsom

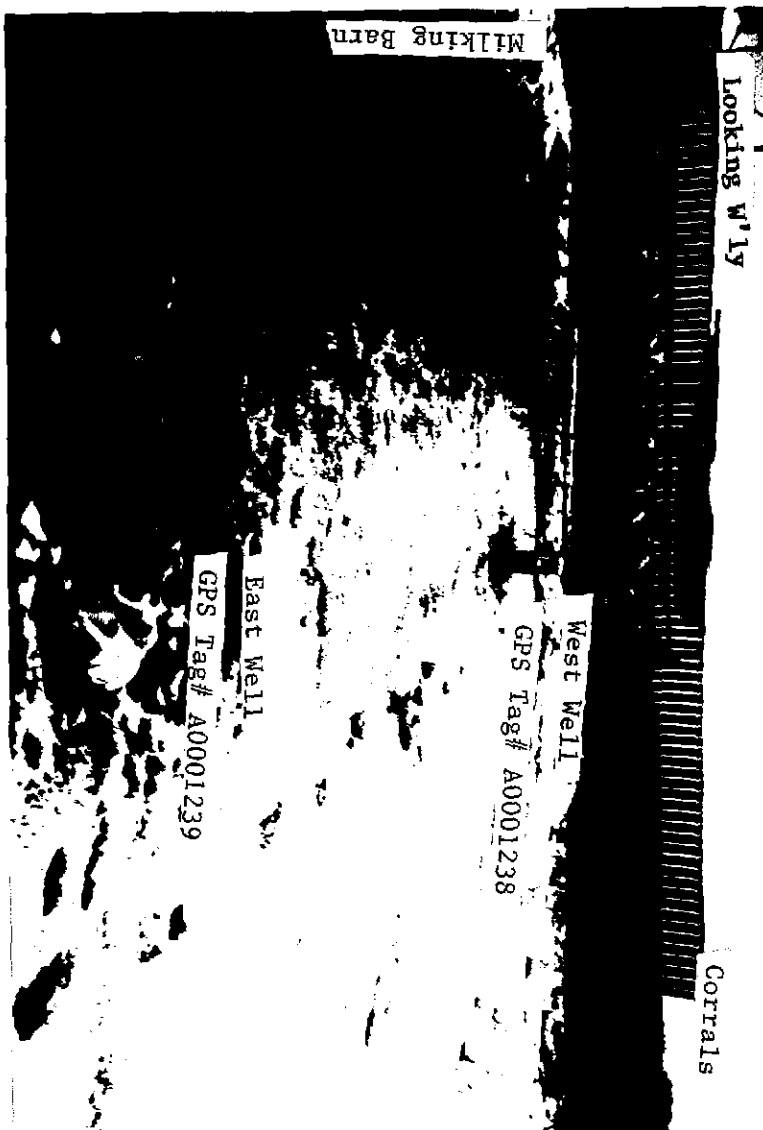


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Aardema Dairy
c/o Ron Aardema
PE: Amanda Folsom
Date: Jan 14, 2000

36-08398

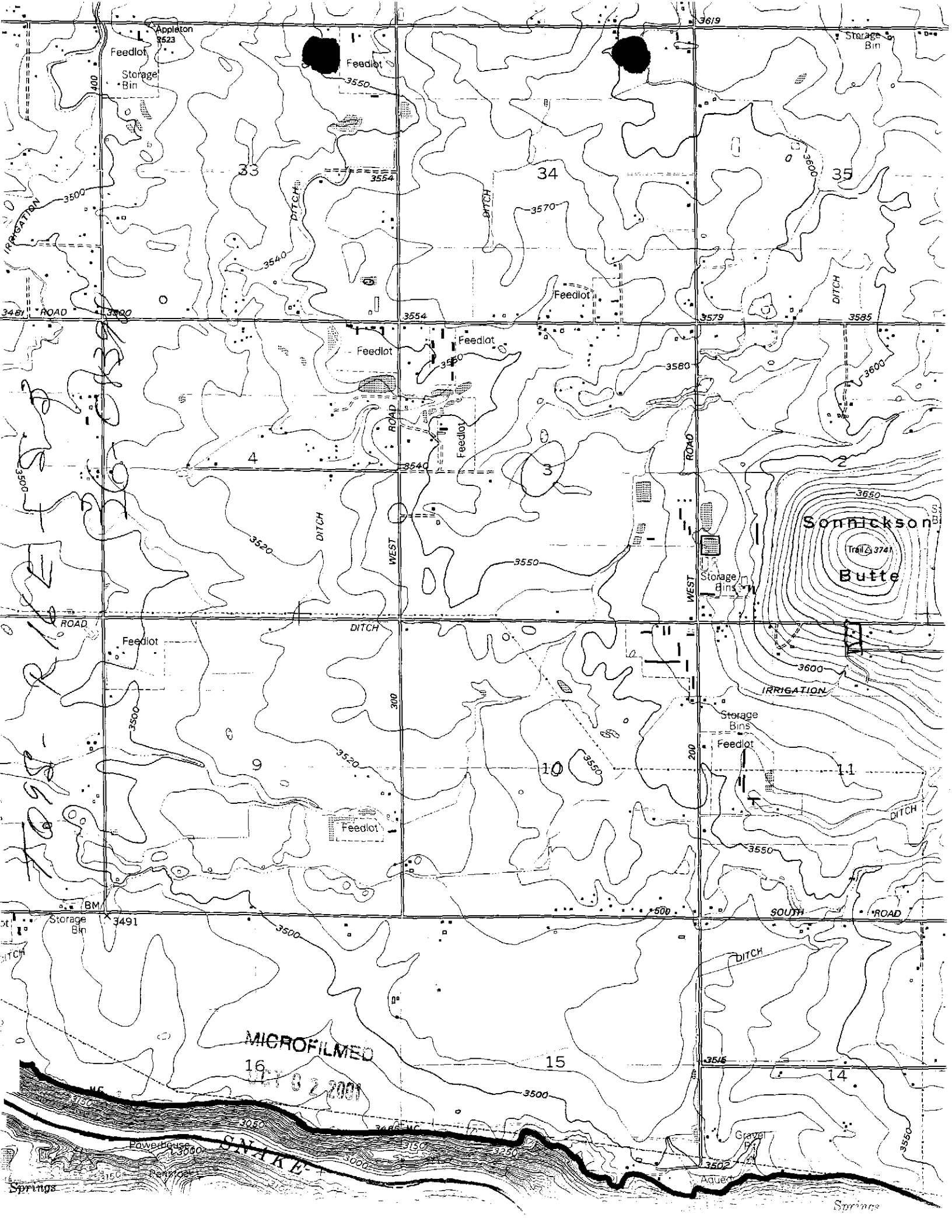


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Aardema Dairy
 c/o Ron Aardema
 FE: Amanda Folsom
 Date: Jan 14, 2000

36-08398



Handwritten notes on the left margin:

Top: 3481 ROAD

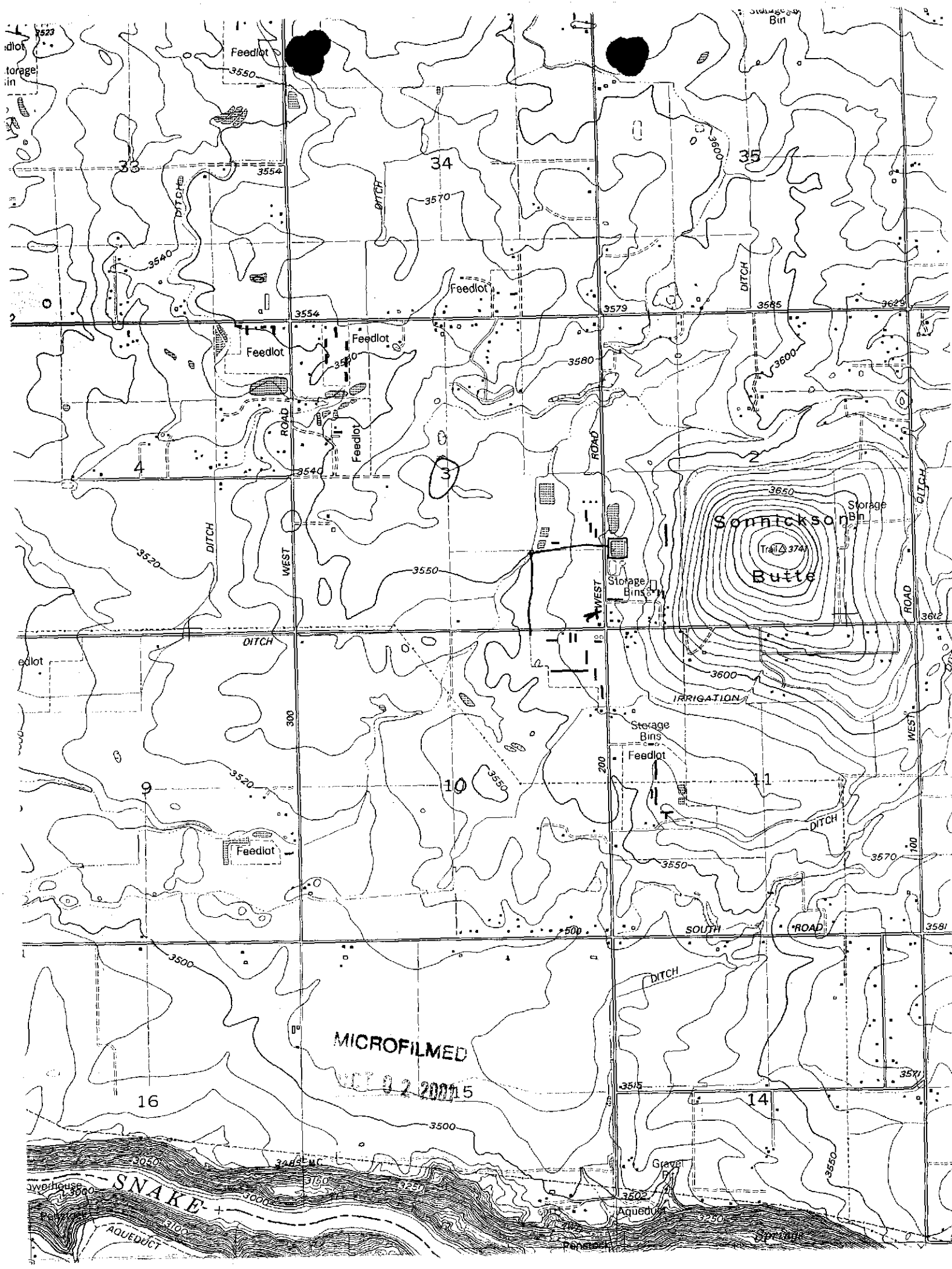
Middle: 3520 DITCH

Bottom: 3500 DITCH

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Sonnicksen
Butte

Snake River



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JUL 02 2007 15

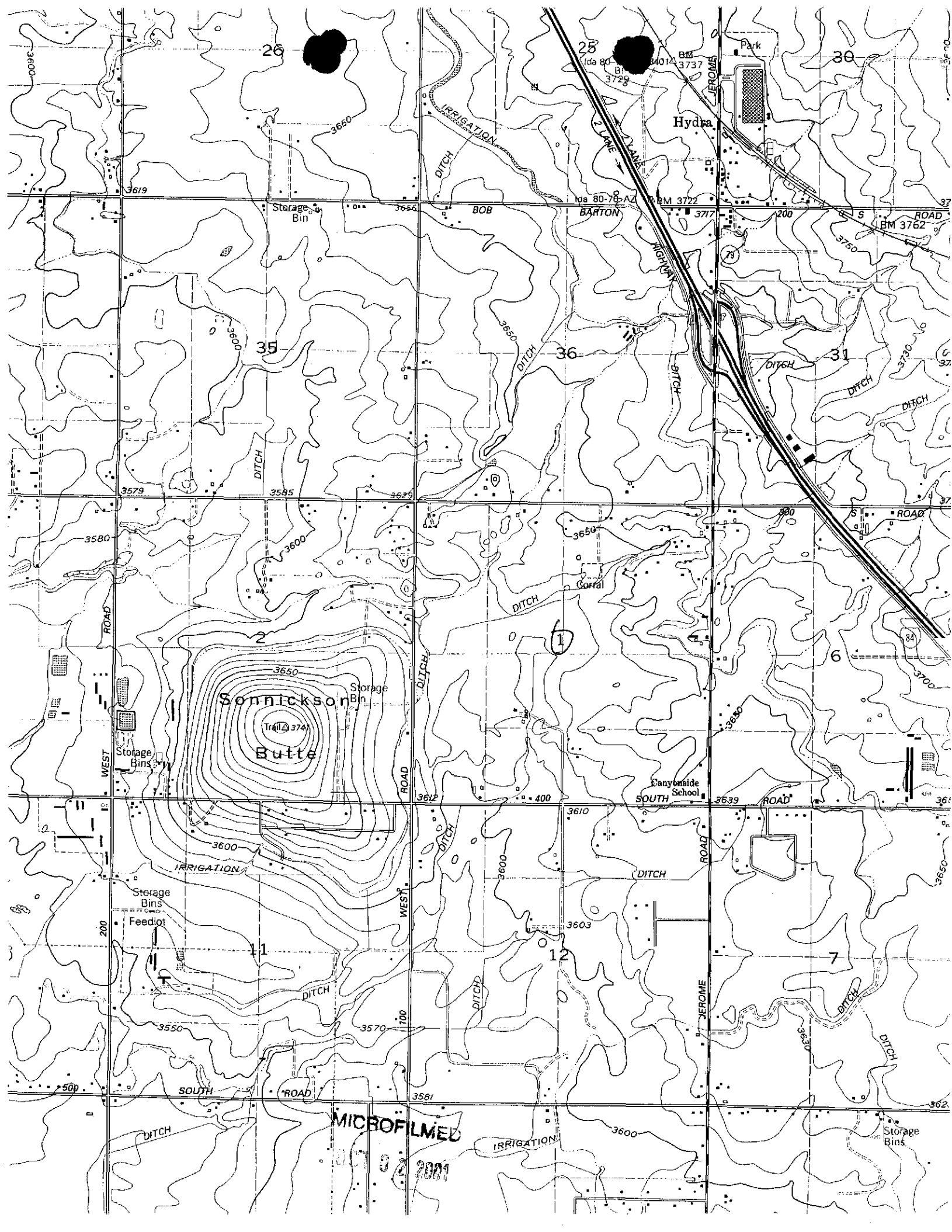
SNAKE

AQUEDUCT

Gravel Pit

Aqueduct

Spring



FILE NUMBER 26-00306
REVIEWER AF

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 1500
NUMBER OF DRY CATTLE 500
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS 0
3-4 MONTHS 50
5-8 MONTHS 50
9-12 MONTHS 50
13-15 MONTHS 50
16-24 MONTHS 200
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF
SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 1
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 0
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 0.00
OPERATION TIME OF SPRINKLERS (MIN/DAY) 0
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (DAIRY AVG IS 70 LBS.) 70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE 24.0
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE 24.0
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS? N
IS RECYCLED WATER USED TO WASH COWS? N
IS A PLATE COOLER USED? Y
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER,
LEAVE BLANK) Y
IF CORRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN 250
NOZZLE DISCHARGE (GPM) 3.00
OPERATION TIME OF MISTERS (MIN/DAY) 180
DAYS PER YEAR MISTERS ARE USED 90

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) 0.97
DRY CATTLE @ 17.0 GPM/DHD 0.01
REPLACEMENT CATTLE 0.01
TOTAL 0.99

COMMERCIAL

TOTAL 0.08

TOTAL DIVERSION RATE 0.15

DIVERSION VOLUME (AF/A):

STOCKWATER
MILKING CATTLE 48.4
DRY CATTLE 4.5
REPLACEMENT CATTLE 3.6
TOTAL 56.5

COMMERCIAL

WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 1.7
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 1.7
PLATE COOLER 0.0
CORRAL MISTERS 37.3
TOTAL 41.4

TOTAL DIVERSION VOLUME 97.9

CONSUMPTIVE USE VOLUME (AF/A) (assuming 100% consumptive):

STOCKWATER 56.5
COMMERCIAL 41.4
TOTAL CONSUMPTIVE USE 97.9

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	15.00	15.00	0.00	0.00	0.00
LIFT (FT)	168	163	0	0	0
DISCHARGE PRESSURE (PSI)	50	50	0	0	0
FRICTION LOSSES (FT)	10.0	10.0	0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	24.0	24.0	0.0	0.0	0.0

CALCULATIONS

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
THEORETICAL FLOW RATE (CFS) *	0.29	0.29	0.00	0.00	0.00
DIVERSION VOLUME (AF/A) **	211.3	211.3	0.0	0.0	0.0

* PUMP EFFICIENCY WAS ASSUMED TO BE 70%.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

Permit → 0.60 cfs
Measurement → 0.30 cfs
Dairy Worksheet → **0.15 cfs**

0.15 - Total Diversion Rate

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGES)

	0.00 CFS
DIVERSION RATE	0.00 ACRES
ACRES OF IRRIGATION	0.0 ACFT/AC
DIVERSION VOLUME	0.0 ACFT/AC
CONSUMPTIVE USE VOLUME	0.0 ACFT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION: STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)?	

CALCULATIONS

	NOV/01	CFS/AC
IRRIGATION DIVERSION RATE PER ACRE	0.0	ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	0.0	ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	0.0	ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	0.0	ACRES

97.9 - Total AFA

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Worksheet 1. Calculating Daily Herd Requirements for Fresh Water

Drinking Water Estimates (see Table 1 & 2)

	Number	Estimated Use (gallons per day)	
		Individual	Total
		per day	
Milking Cows	<u>5</u> <u>1400</u>	<u>31.9</u>	<u>47,850</u>
Dry Cows	<u>300</u>	<u>12.8</u>	<u>3,840</u>
Heifers			
16-24 mo	<u>200</u>	<u>10.8</u>	<u>2,160</u>
13-15 mo	—	—	—
9-12 mo	—	—	—
5-8 mo	—	<u>4.6</u>	<u>920</u>
3-4 mo	—	—	—
0-2 mo	—	—	—
	<u>200</u>		<u>1220</u>
			<u>67270</u>
			<u>0.10 cfs</u>

Total herd drinking water used

A. 67270

Wash Pen Estimate (see Table 3)

1 - Sprinkler discharge per nozzle

2 - Number of nozzles

3 - Minutes per day used

Total wash pen water used

(Line 1 x line 2 x line 3)

no
—
—
—

B. 0

Milk house and Parlor Estimate (see Table 4)

	Water per operation	Gallons per day	
Bulk tank	<u>6000(2)</u>	<u>12000</u>	<u>464</u>
Pipeline	<u>140(2)</u>	<u>280</u>	<u>280</u>
Backflush	<u>5(150)</u>	<u>750</u>	<u>750</u>
Cleanup	<u>400(2)</u>	<u>800</u>	<u>800</u>
(Parlor, milk house and holding pen)	<u>900(2)</u>	<u>1800</u>	<u>1800</u>
Cow prep	<u>Straw</u>	—	<u>12000</u>
Plate cooler	<u>12000</u>	<u>12000</u>	<u>12000</u>
(ignore if water recycled)			
Total milk house and parlor water used		<u>15294</u>	<u>25,830</u>

TOTAL FRESH WATER ESTIMATE (A + B + C)

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67270 commercial
88600 0.1247 cfs

DAIRY WATER USE QUESTIONNAIRE

NUMBER OF MILKING CATTLE	
NUMBER OF DRY CATTLE	
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS	
3-4 MONTHS	
5-8 MONTHS	
9-12 MONTHS	
13-15 MONTHS	
16-24 MONTHS	
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS	Straw
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN	
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN)	
OPERATION TIME OF SPRINKLERS (MIN/DAY)	
NUMBER OF MILKINGS PER DAY	2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.)	70
HOURS PER DAY PUMP OPERATES FOR STOCKWATER USE	24
HOURS PER DAY PUMP OPERATES FOR COMMERCIAL USE	24
IS RECYCLED WATER USED TO FLUSH MILKHOUSE AND PARLOR FLOORS?	
IS RECYCLED WATER USED TO WASH COWS?	
IS A PLATE COOLER USED?	YES
IS RECYCLED WATER USED FOR PLATE COOLER? (IF NO PLATE COOLER, LEAVE BLANK)	NO - water recycled
IF CORRAL MISTERS ARE USED: NUMBER OF MISTERS IN HOLDING PEN	250
NOZZLE DISCHARGE (GPM)	
OPERATION TIME OF MISTERS (MIN/DAY)	5 hrs
DAYS PER YEAR MISTERS ARE USED	summer

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IDAHO DEPARTMENT OF WATER RESOURCES

DATE: 01/03/00

No. 36-08398

WATER RIGHT PROFILE REPORT

PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	AARDEMA DAIRY 132A W 500 S JEROME ID 83338	02/14/1995	STOCKWATER COMMERCIAL	01/01 12/31 01/01 12/31	0.600 CFS 0.600 CFS	
TOTAL DIVERSION:					0.600 CFS	

Water Source: GROUNDWATER

Tributary to:

Stage: PERMIT

Point(s) of Diversion:

T09S R16E S03

SESE

JEROME County

Place of use Legal Description for: STOCKWATER

NE				NW				SW				SE			
NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac
---	---	---	:	---	---	---	---	---	---	---	---	---	---	---	---
09S	16E	3	:	:	:	:	:	:	:	:	:	:	:	:	S

Place of use location for COMMERCIAL is the same location as described for: STOCKWATER

Pou County: JEROME

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

T36-02087M T36-02113M T36-02161M T36-02289P T36-02311M T36-02500M T36-02614M T36-07307M T36-07362M T36-07477M
T36-07606M T36-07779M T36-07832M T36-10225M T36-15169M

Conditions of Approval:

- 046 - Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
- 026 - Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
- 09E - Water used under this right when discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

Remarks: GEN Stockwater use is for 1000 dairy cattle and 500 range cattle.

Dates: App. Received: 10/28/1988 Priority Date: 02/14/1995 (Priority Date Advanced.)
Proof Due Date: 07/01/1991 Proof Made Date: 02/14/1995 (Proof Received Late.)
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee:

Audit: 01/09/89 BALDWIN 06/13/89 CURTIS 09/27/91 SKAGGS 01/15/92 REG-CODE
02/22/95 SCURTIS 07/09/99 SCURTIS

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OCT 02 2001

WR0749NP

No. 36-08398

IDAHO DEPARTMENT OF WATER RESOURCES

WATER RIGHT PROFILE REPORT

DATE: 01/03/00

PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	AARDEMA DAIRY 132A W 500 S JEROME ID 83338	02/14/1995	STOCKWATER COMMERCIAL	01/01 12/31 01/01 12/31	0.600 CFS 0.600 CFS	
TOTAL DIVERSION:					0.600 CFS	

Water Source: GROUNDWATER

Tributary to:

Stage: PERMIT

Point(s) of Diversion: T09S R16E S03

SESE

JEROME County

Place of use Legal Description for: STOCKWATER

NE				NW				SW				SE			
NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
T	R	S	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac
09S	16E	3	:	:	:	:	:	:	:	:	:	:	:	:	S

Place of use location for COMMERCIAL is the same location as described for: STOCKWATER

Pou County: JEROME

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

T36-02087M T36-02113M T36-02161M T36-02289P T36-02311M T36-02500M T36-02614M T36-07307M T36-07362M T36-07477M
T36-07606M T36-07779M T36-07832M T36-10225M T36-15169M

Conditions of Approval:

- 046 - Right holder shall comply with the drilling permit
 - requirements of Section 42-235, Idaho Code.
- 026 - Permit holder shall commence the excavation or construction of
 - diverting works within one year of the date this permit is issued
 - and shall proceed diligently until the project is complete.
- 09E - Water used under this right when discharged into a natural
 - channel or subsurface system shall meet Idaho Water Quality
 - Standards.

Remarks: GEN Stockwater use is for 1000 dairy cattle and 500 range cattle.

Dates: App. Received: 10/28/1988 Priority Date: 02/14/1995 (Priority Date Advanced.)
Proof Due Date: 07/01/1991 Proof Made Date: 02/14/1995 (Proof Received Late.)
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee:

Audit: 01/09/89 BALDWIN 06/13/89 CURTIS 09/27/91 SKAGGS 01/15/92 REG-CODE
02/22/95 SCURTIS 07/09/99 SCURTIS

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WR0749NP
No. 36-14668

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 01/03/00
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	AARDEMA DAIRIES	02/10/1948	DOMESTIC	01/01 12/31	0.060 CFS	
TOTAL DIVERSION:					0.060 CFS	

Water Source: GROUNDWATER

Tributary to:

Stage: DECREED

Point(s) of Diversion: T09S R16E S03 NESESE JEROME County

Place of use Legal Description for: DOMESTIC

	NE	NW	SW	SE
T R S	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac
09S 16E 2	:	:	:	D :

Post County: JEROME

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

36-08398 T36-02087M T36-02113M T36-02161M T36-02289P T36-02311M T36-02500M T36-02614M T36-07307M T36-07362M
T36-07477M T36-07606M T36-07779M T36-07832M T36-10225M T36-15169M

Conditions of Approval:

- N11 - THE QUANTITY OF WATER DECREED FOR THIS WATER RIGHT IS NOT A DETERMINATION OF HISTORICAL BENEFICIAL USE.
- N13 - THE QUANTITY OF WATER UNDER THIS RIGHT SHALL NOT EXCEED 13,000 GALLONS PER DAY.

Remarks: EXP PARCEL NO. RL09S16E039480

Dates: App. Received: Priority Date: 02/10/1948
Proof Due Date: Proof Made Date:
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee:

Comments: Date: 04/26/1991 User-ID: STERLING Subject: REVIEW - MSS
LICENSED RIGHT 36-08021 COVERS THE SAME 2 HOMES AS ARE COVERED ON THIS RIGHT, BUT HAS A 1982 PRIORITY DATE. THE PRESENCE OF THE HOMES WAS VERIFIED DURING THE LICENSING FIELD EXAM IN 1988. IN ORDER TO GAIN THE EARLIER PRIORITY DATE, THIS RIGHT WILL BE RECOMMENDED AND THE DOMESTIC USE WILL BE REMOVED FROM 36-08021. THE LICENSING FIELD EXAM FOR 36-08021 DESCRIBES THE P/D AS THE NENESE, AND WILL BE RECOMMENDED AS SUCH.

Date: 03/04/1994 User-ID: MERRITT Subject: APPARENT P/U DATA ENTRY ERROR

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IDAHO DEPARTMENT OF WATER RESOURCES

DATE: 01/03/00

No. 36-14668

WATER RIGHT PROFILE REPORT

PAGE: 2

Comments: Date: 03/04/1994 User-ID: MERRITT Subject: APPARENT P/U DATA ENTRY ERROR
DOUG JONES DISCOVERED APPARENT DATA ENTRY ERROR IN RECOMMENDATION
IN THAT P/U CLAIMED & VERIFIED WAS SEC.3 HOWEVER RECOMMENDATION
LISTS SEC.2. SPENCER & SHAW INFORMED BY MAIL. ADM

Date: 10/02/1996 User-ID: D&S-DSHA Subject: D&S CONDITION CODE UPDATE
CONDITION CODE N11 ADDED
CONDITION CODE N13 ADDED

Audit: 09/30/96 DSHAFF 10/02/96 D&S-DSHA 10/15/96 JROBERTS 12/13/96 PD-DSHAF
04/30/98 DECREED

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WR0749NP
No. T36-15169M

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 01/03/00
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	DONALD J. AARDEMA	12/11/1969	STOCKWATER	01/01 12/31	0.022 CFS	5.60 AFA
			COMMERCIAL	01/01 12/31	0.022 CFS	0.40 AFA
TOTAL DIVERSION:					0.022 CFS	6.00 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion: T09S R16E S03 SESE JEROME County

Place of use Legal Description for: STOCKWATER

NE				NW				SW				SE											
T	R	S		NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:
				Lt	Ac	Lt	Ac		Lt	Ac	Lt	Ac		Lt	Ac	Lt	Ac		Lt	Ac	Lt	Ac	
09S	16E	3	:					:					:					:					:

Place of use Legal Description for: COMMERCIAL

09S	16E	2	:					:					:					:					:
09S	16E	3	:	01-C			C	:					:					:		C		C	:
09S	16E	11	:					:	C				:					:					:

Pou County: JEROME

Other Rights: SEE REMARKS

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

36-08398 T36-02087M T36-02113M T36-02161M T36-02289P T36-02311M T36-02500M T36-02614M T36-07307M T36-07362M
T36-07477M T36-07606M T36-07779M T36-07832M T36-10225M

Other Water Rights Listing Overlapping Place(s) of use:

36-07734 T36-02087H T36-02113H T36-02161H T36-02289K T36-02311H T36-02500H T36-02614H T36-07307H T36-07362H
T36-07477H T36-07606H T36-07779H T36-07832H T36-10225H T36-15169H

Conditions of Approval:

- 067 - The right holder shall measure and annually report diversions of
- water and/or other pertinent hydrologic and system information as
- required by Section 42-701, Idaho Code.
- R64 - This right when combined with all other rights shall provide no
- more than 0.02 cfs per acre nor more than 4.0 afa per acre at the
- field headgate for irrigation of the lands above.
- T07 - The right holder shall accomplish the change authorized by this
- transfer within one (1) year of the date of this approval.
- T08 - Failure of the right holder to comply with the conditions of this
- transfer is cause for the Director to rescind approval of the
- transfer.

Remarks: GEN The right holder shall cease irrigation of 10.0 acres previously

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Remarks: authorized under this right, and consolidate use of water on the remaining 2184.0 acres.
Right 36-15169A is limited to the irrigation of 1166.0 acres within the place of use described above in a single irrigation season.
Rights 36-02087A, 36-02113A, 36-02161A, 36-02289D, 36-02311A, 36-02500A, 36-02614A, 36-07307A, 36-07362A, 36-07477A, 36-07606A, 36-07779A, 36-07832A, 36-10225A and 36-15169A when combined shall not exceed a total diversion rate of 42.52 cfs, a total annual maximum diversion volume of 8736.0 af at the field headgate, and the irrigation of 2184.0 acres.
Right 36-10225A is an expansion of Rights 36-02087A, 36-02113A, 36-02161A, 36-02289D, 36-02311A, 36-02500A, 36-02614A, 36-07307A, 36-07362A, 36-07477A, 36-07606A, 36-07779A, 36-07832A, and 36-15169A pursuant to Section 42-1426, Idaho Code.

Dates: App. Received: 02/03/1999 Priority Date: 12/11/1969
Proof Due Date: Proof Made Date:
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee:

Comments: Date: 07/14/1992 User-ID: ROBERTSO Subject: NAME STANDARD

Date: 07/28/1992 User-ID: SMITH Subject: CORRECTION
ADDED CONDITION CODE "C05" PER LKH

Date: 08/28/1997 User-ID: TFAWCETT Subject: SPLIT RIGHT
THIS RIGHT IS THE REMAINING AMBROSE PORTION OF 36-02087 AFTER
SELLING PART TO VISSER.

Date: 10/10/1997 User-ID: TFAWCETT Subject: REFORMAT
REMARKS REFORMATTED.

Date: 11/14/1997 User-ID: SSHERMAN Subject: NOTICE OF APPEARANCE
NOA REC'D FROM JO BEEMAN APPEARING FOR A N AMBROSE

Date: 08/14/1998 User-ID: PSKAGGS Subject: TRANSFER 5250
Transfer 5250 changes the place of use under Rights 36-02087A/
02113A/02161A/02289D/02311A/02500A/02614A/07307A/07362A/07477A/
07606A/07779A/07832A/10225 & 15169. The transfer is based on the
rights as recommended in the SRBA & approved versions will be
stored under an "X" prefix until these rights are decreed.

Date: 07/26/1999 User-ID: JSTANTON Subject: TRANSFER NO. 5515
Application splits existing PPU due to partial purchase by applic
ant.

Date: 07/26/1999 User-ID: JSTANTON Subject: TRANSFER NO. 5518
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Comments: Date: 07/26/1999 User-ID: JSTANTON Subject: TRANSFER NO. 5518
Application proposes to dry up 8.3 acres of the 29 existing acres
in the NE/NW S. 3 in order to provide water for a feedlot in the
same tract. Entire tract will ultimately be dried up.

Date: 07/27/1999 User-ID: JSTANTON Subject: TRANSFER NO. 5519
Application proposes to move water from the present farm ground
to new land along the access road and home of the applicant.

Date: 07/27/1999 User-ID: JSTANTON Subject: TRANSFER NO. 5520
Application proposes to convert water from irrigation to stock &
commercial uses for the enlargement of Aardema Dairy #5.
There are 2 wells in the SW/NE Sec. 2.
Of the 29 existing acres in the NE/NW S. 3, 13.9 acres will be
dried up under this transfer. Entire tract will ultimately be
dried up & covered with a feedlot.

Date: 07/27/1999 User-ID: JSTANTON Subject: TRANSFER NO. 5521
Application proposes to convert water from irrigation to stock &
commercial uses to allow for the expansion of Aardema Dairy #4,
located in the SE/SE Sec. 3.
Other commercial tracts are for land application of wastewater.
There are 2 wells at the dairy site.
Of the 29 existing acres in the NE/NW S. 3 T. 9S R. 15E, 3.8 ac.
will be dried up under this transfer. Entire tract will ultimately
be dried up and covered with a feedlot.

Date: 10/19/1999 User-ID: MBALDWIN Subject: PROTEST
A protest was filed on 10/18/99.

Audit: 07/27/99 JSTANTON 07/27/99 JSTANTON 10/19/99 MBALDWIN

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OCT 9 2 2001

WR5808NP
(0D-26)

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROOF READING REPORT

04/17/97 07:27:19

Page 1

Water Right Number - 36-08548

Prefix Translation: WATER RIGHT

Old (O) Number -

+ - - - - Last Name - - - - + + - First Name - - + + - - - - - Address - - - - - +

*** C - CURRENT OWNER ***
AARDEMA

DON J

1 - 132-A W 500 S

2 -

3 -

City- JEROME

Phone - 208-324-3438

State- ID Zip- 83338

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - +
05/11/1990 17 SOUTHERN L - LICENSE

+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
GROUNDWATER

+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County Diversion Name Diversion Rate Diversion No.
09S 16E 3 SE SW (53) JEROME

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
04 - STOCKWATER 01/01 12/31 0.060 6.70

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - +
0.060 6.70 0.130

+ - - - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County
09S 16E 3 SE SW 04 STOCKWATER (53) JEROME

+ - - Diversion Means -

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use -

+ - - - - Remarks - - - - - +
Stockwater use is for 500 range cattle.

+ - - - - Old Water Right Numbers - - - - - +
No Old Water Right Numbers found.

+ - - - - Conditions of Approval - - - - - +
No Conditions of Approval found.

+ - - - - Decree Plaintiff - - - + + - - - - Decree Defendant - - - + + - - Decree Date - +

00/00/0000

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OCT 02 2001

**IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROOF READING REPORT**

Page 2

Prefix Translation: WATER RIGHT

+ - - Audit Fields - 05/31/90 BALDWIN 06/12/90 CURTIS 07/09/90 CURTIS 08/02/90 CURTIS 08/03/90 CURTIS
07/19/91 BILBAO 08/21/95 ABATES 08/22/95 ABATES 08/31/95 BCHAPEMAN

+ Water Rights Dates and Flags Area

Proof Due Date	- 09/01/1991	Field Exam Made	- 07/26/1995	Field Exam Fee	- N
Approved/Denied	- 08/13/1990	Protested Date	- 00/00/0000	Swan falls	- C
Proof Made Date	- 07/08/1991	Hearing Date	- 00/00/0000	Temporary Right	- P
Exam to S.O. Date	- 08/22/1995	Verified Date	- 00/00/0000	DLE/Carey Act	-
Order Show Cause	- 00/00/0000	Receipt Number	-	Water District	-
Licensed Date	- 09/06/1995	Appl Received	- 05/11/1990	Transfer/Amended	-
Decree Date	- 00/00/0000	Name Connector	-	POU Ownership Flag	- Y
Presumption Flag	-				

MICROFILMED

1000

WR0749NP

No. 36-08398

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE
C	AARDEMA DAIRY	02/14/1995	STOCKWATER	01/01 12/31	0.600 CFS
			COMMERCIAL	01/01 12/31	0.600 CFS
TOTAL DIVERSION:					0.600 CFS

Water Source: GROUNDWATER

Tributary to:

Stage:

Point(s) of Diversion:

T09S R16E S03

SESE

JEROME

Place of use Legal Description for: STOCKWATER

NE				NW				SW				SE			
NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	
T	R	S	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	
09S 16E 3 :				:	:	:	:	:	:	:	:	:	:	:	

Place of use location for COMMERCIAL is the same location as described for: STOCKWATER

Pou County: JEROME

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

T36-02087M T36-02113M T36-02161M T36-02289P T36-02311M T36-02500M T36-02614M T36-07307M T36-07362M
 T36-07606M T36-07779M T36-07832M T36-10225M T36-15169M

Conditions of Approval:

- 046 - Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
- 026 - Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
- 09E - Water used under this right when discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

Remarks: GEN Stockwater use is for 1000 dairy cattle and 500 range cattle.

Dates: App. Received: 10/28/1988 Priority Date: 02/14/1995 (Priority Date Advanced.)
 Proof Due Date: 07/01/1991 Proof Made Date: 02/14/1995 (Proof Received Late.)
 Exam Made Date: Exam Sent to S.O.:
 Licensed Date:

Misc: Water District Number: Field Exam Fee:

Audit: 01/09/89 BALDWIN 06/13/89 CURTIS 09/27/91 SKAGGS 01/15/92 REG-CODE
 02/22/95 SCURTIS 07/09/99 SCURTIS

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 OCT 02 2001
 OCT 02 2001

WR0749NP
No. 36-08359

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE
C	ADRIAN BOER	06/15/1988	COMMERCIAL	01/01 12/31	0.500 CFS
TOTAL DIVERSION:					0.500 CFS

Water Source: GROUNDWATER

Tributary to:

Stage:

Point(s) of Diversion:

T09S R16E S07

NESE

GOOD

Place of use Legal Description for: COMMERCIAL

NE				NW				SW				SE																	
NENE		NWNE		SWNE		SENE		NENW		NWNW		SWNW		SENW		NESW		NWSW		SWSW		SESW		NESE		NWSE		SWSE	
T	R	S	: Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	
09S	16E	7	:		:		:		:		:		:		:		:		:		:		:		:		:		:

Pou County: GOODING

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):
36-08211

Conditions of Approval:

- 046 - Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
- 026 - Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
- 09C - Return flow if discharged to a subsurface system must be authorized by a separate injection well permit, and return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.

Dates: App. Received: 05/23/1988 Priority Date: 06/15/1988
Proof Due Date: 10/01/1992 Proof Made Date: 09/28/1992
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee: R (Received)

Comments: Date: 09/29/1992 User-ID: ANDREGG Subject: Proof of Beneficial Use Rcvd
Proof of Beneficial Use Rcvd

Audit: 07/27/88 BALDWIN 08/18/88 BALDWIN 09/27/88 CURTIS 01/18/91 BILBAO
09/29/92 COMMENTS 10/16/92 GUSTAFSO 02/06/98 CLEARFLO

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OCT 02 2001

S1
4/92

RECEIVED

APR 12 2000

IDAHO DEPARTMENT OF WATER RESOURCES

Department of Water Resources

STAFF ANALYSIS SHEET FOR BENEFICIAL USE FIELD EXAMS:

PERMIT NO.

36-08298

A. Items To Be Placed In Exam File (Items A & B to be Completed by Compiler)

- (/) Blank Field Report & Notice of Completed Exam
- (/) Copy of App. for Permit, Approved Permit, Amendments, Orders, Assignments, Proof of Beneficial Use, SRBA Claim (Claim Filed? _____ Required? _____)
- (/) Well Inspection Form, Dairy Water-Use Worksheet (if applicable)
- () Well Log(s) & Groundwater Measurement Analysis Form (if applicable)
- (/) Copy of Orthophotoquad Map
- () 660-Scale Aerial Photo (Examiner Will Obtain If Applicable)
- () Government Lot Plats (If Applicable)

B.1. P/D Overlap - Yes or No? If Yes, Include Copy of Overlapping Rights & Claims

- If Yes, Type of Overlap: () Add Acres or Uses to Existing System
() Increase Rate of Flow or Volume

B.2. P/U Overlap - Yes or No? If Yes, Include Copies of Overlapping Rights & Claims

- If Yes, Type of Overlap: () Increase Rate of Flow or Volume
() Add Supplemental Water Source
() Increase Acres Within Tracts

C. Field Exam Appointment Made:

Date Jan 14, 2000

Time 11:30

Place Ron Ardena's Office

Contact Person & Phone Ron Ardena 539-1615; 344-1615

D. Post-Exam Review & Processing

Exam Completed Jan 14, 2000

Notice of Completion Turned In Jan 21, 2000

Field Report Completed _____

Quanda Johnson Jan 21, 2000
Signature of Examiner & Date

Field Report Reviewed by Sr. Agent _____ (Initial & Date)

Field Report Reviewed by Region Mgr. ABK 4/7/00 (Initial & Date)

Field Report Sent to S.O. _____ Region Card File Updated _____



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

April 20, 2001

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

AARDEMA DAIRY
132A W 500 S
JEROME ID 83338

RE: Change of Ownership for Water Right 36-8398

Dear Water Right Holder(s):

The department acknowledges receipt of correspondence changing ownership of the above referenced water right to you and Northwest Farm Credit Services, FLCA & PCA. The department has modified its records to reflect the change in ownership and has enclosed a computer-generated report for your records.

Please note that as of July 1, 1996, water right owners are required to report any change of water right ownership and any change of mailing address of the owner of a water right to the department. Notice of the change must be provided to the department within 120 days of the change. Change reporting forms are available from any office of the department.

Please feel free to contact this office if you have any questions regarding this matter.

Sincerely,

for 
Jeff Peppersack, Manager
Water Right Permits Section

JP:klf

Enclosure

cc: Northwest Farm Credit Services, FLCA
Northwest Farm Credit Services, PCA
PO Box 5059
Twin Falls, ID 83303-5059

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OCT 02 2001



Farm Credit Services

1363 Fillmore Street
P.O. Box 5059
Twin Falls, Idaho 83303-5059
208/732-1000

April 18, 2001

Department of Water Resources
1341 Fillmore Ste 200
Twin Falls ID 83301

RE: Permit No. 36-08398
Aardema Dairy

RECEIVED

APR 20 2001

Department of Water Resources

RECEIVED

APR 18 2001

Department of Water Resources
Southern Region

Gentlemen:

This letter will serve as notice to the Department of Water Resources that Northwest Farm Credit Services, ACA, has a security interest in the above Permit and a real estate mortgage has been filed on property where the wells are located. Enclosed is an Assignment from Aardema Dairy and Northwest Farm Credit Services, PCA & FLCA

We request copies of all notices and correspondence mailed to Aardema Dairy regarding the above-described permit number be sent to our office address.

Please acknowledge below and return this letter to our office. We appreciate your cooperation in this matter.

Sincerely,

Becky Harshbarger
Financial Specialist

ACKNOWLEDGED this 17th day of April, 2001

DEPARTMENT OF WATER RESOURCES

By J. F. Stanton

MICROFILMED
OCT 02 2001

Michael H. Felton, Jr.
FELTON AND FELTON
Attorneys at Law
1020 Main Street
P O Box 589
Buhl Id 83316-0589
Telephone: (208) 543-4368
Facsimile: (208) 543-4360
Attorneys for Plaintiff/Defendant
(C:\MyFiles\abc-doc\ 2476Not.App814)Js

RECEIVED

AUG 18 1998

Department of Water Resources
Southern Region

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

In Re The General Adjudication,
of Rights to the Use of Water
From the Snake River Basin Water
System.

CASE NO. 39576

The State of Idaho, ex rel. R.
Higginson in his official
capacity as Director of the
Idaho Department of Water
Resources,

Petitioner,

vs:

NOTICE OF APPEARANCE

The United States, the State of Idaho;
and all Claimants to the Use of Water
From the Snake River Basin Water
System,

Respondents.

MICROFILMED

OCT 8 2 2001

NOTICE OF APPEARANCE

1 PLEASE BE NOTIFIED that Michael H. Felton, (Jr.), Attorney at Law, and
2 the firm of Felton & Felton, hereby enters an appearance as attorneys of record on behalf
3 of Frans and Cornelia Aardema and Tom and Mary Jane Heida d/b/a Box Canyon Dairy,
4 the Respondents in the above-entitled action, as counsel of record for said Respondents
5 with respect to Water Rights Number 36-08398, and the Clerk of the Court is hereby
6 requested to make such entries as may be required to record such appearance. All
7 further pleadings, notices and correspondence of any kind filed hereafter in this matter
8 should be sent to Michael H. Felton , (Jr.) of Felton & Felton, P. O. Box 589, Buhl, Idaho
9 83316-0589.
10

11
12 DATED: August 17, 1998.

13
14 FELTON & FELTON

15
16 By 
17 MICHAEL HARLAND FELTON
18 Attorneys for Defendant
19
20
21
22
23
24
25
26

NOTICE OF APPEARANCE

-2-

1 CERTIFICATE OF SERVICE

2 The undersigned, a resident attorney of the State of Idaho, with offices at
3 1020 Main Street, Post Office Box 589, Buhl, Idaho 83316-0589, and attorney for the
4 Defendant in this action, certifies that he caused to be via facsimile and mailed on August
5 17, 1998, a copy of the above and foregoing

6 NOTICE OF APPEARANCE

7 to:

8 Director of Idaho Department of Water Resources
9 P O Box 83720
10 Boise, ID 83720-0098

11 Clerk of the District Court
12 Snake River Basin Adjudication
13 253 Third Avenue North
14 P O Box 2707
15 Twin Falls, ID 83303-2707

16 
17 MICHAEL H. FELTON, JR.

18
19
20
21
22
23
24
25
26
NOTICE OF APPEARANCE

-3-

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OCT 02 2001



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

February 17, 1995

ARDEMA DAIRY
132A W 500 S
JEROME ID 83338

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 36-08398

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit.

Enclosed is an order reinstating your permit since proof of beneficial use was received after the proof due date. Please note that the priority date has been advanced to February 14, 1995.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the SOUTHERN Regional Office in Twin Falls, at (208) 736-3033.

Sincerely,

A handwritten signature in cursive script that reads 'Julie L. Yarbrough'.

JULIE L. YARBROUGH
Senior Secretary

Enclosure

c: IDWR - Region

RECEIVED

MAR 23 1995

**ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE**

Permit No. 36-08398 Reviewed by [Signature] Date 2-16-95

GENERAL CONSIDERATIONS

yes Name same as permit?
yes Address same as permit?
no Proof timely received?
If not, complete calculation below.

TYPES OF USE

Stock-dairy
comm.

Correct Uses? yes

SOURCE OF WATER

 Surface water source

✓ Ground water source

yes Drilling permit required?
yes Copy in the file?
100.00 Amount paid for permit
yes Well log in the file?

Drilling Permit No. 36-88-S-0078
yes Correct?

LICENSE EXAMINATION FEE

yes Required?
100.00 Amount Submitted
yes Correct?

MEASURING DEVICE

no Required?
 Installed?
 Waiver requested?

PRIORITY CALCULATION

Date proof received 2-14-95
Date proof due 7-1-91
No. of days late over 60 =
Priority Date +
New Priority Date

7 2-14-95

DEFICIENCIES OR ACTION ITEMS

Should date Reinstate + advance priority to
Feb. 14, 1995.

Proof acceptable

DATA ENTRY

New Address X Proof Made 2-14-95

To Whom It May Concern

February 14, 1995

We, Aardema Dairy, do hereby request that Lapsed Permit 36-08398 be reinstated. Proof of beneficial use was due in 1991, but never filed with IDWR. We do not know why this wasn't done, as this dairy was in operation in early 1989. A proof form has been completed and is attached, as are drillers' logs, a pump curve, and power records. If you need more information, please contact Ron Aardema as soon as possible.

Thank You,

Ron Aardema

RECEIVED

FEB 15 1995

Department of Water Resources

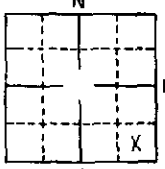
RECEIVED

MAR 23 1995

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

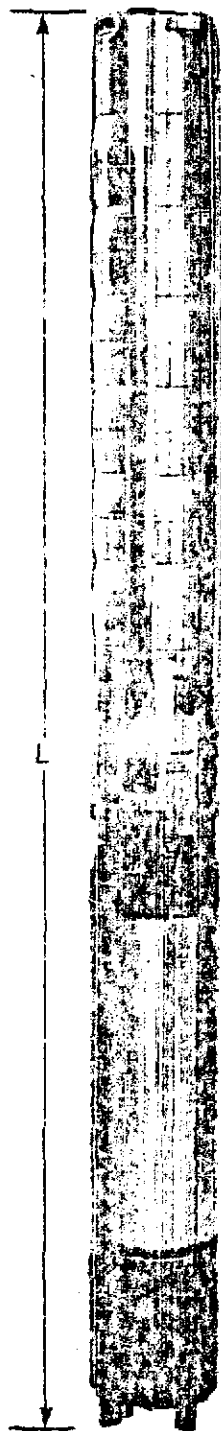
1. WELL OWNER Name <u>Aardema Dairy</u> Address <u>Jerome</u> Owner's Permit No. <u>36-88-S-078</u> ^{DK}	7. WATER LEVEL Static water level <u>94</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ OF, Quality _____ Describe artesian or temperature zones below.																																																																																																																																																																																														
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA NONE ☐ Pump ☐ Bailor ☐ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	Discharge G.P.M.	Pumping Level	Hours Pumped																																																																																																																																																																																											
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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

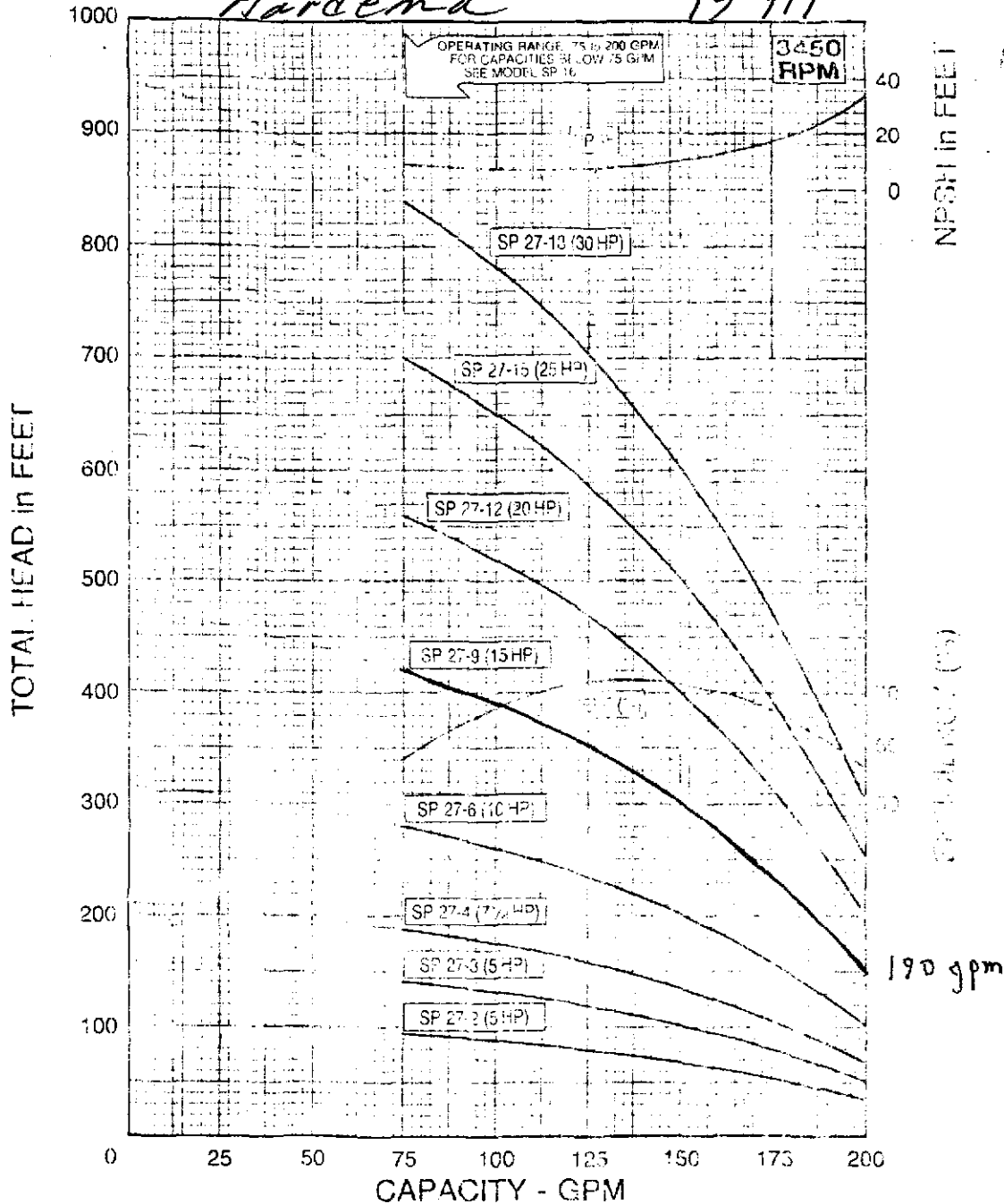
1. WELL OWNER Name <u>Don Aardema (Aardema Dairy)</u> Address <u>Jerome</u> Owner's Permit No. <u>36-88-S-061</u> ^{OK}	7. WATER LEVEL Static water level <u>89</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ Describe artesian or temperature zones below.																																																																																																																																																				
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250 inches	8.5/800 inches +	1 feet	19 feet																																																																																																																																																		
Number	From	To																																																																																																																																																			
6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Jerome</u> <u>SE 1/4 SE 1/4 Sec. 3 T. 9S. R. 16E B/W.</u>	10. Work started <u>9/1/88</u> finished <u>9/1/88</u> 11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>SMITH DRILLING & PUMPING CO., INC. 11</u> Address <u>Jerome</u> Date <u>9/9/88</u> Signed by (Firm Official) <u>[Signature]</u> and (Operator) <u>Melton Robbins</u>																																																																																																																																																				

MODEL SP 27

NOM. FLOW RATE
135 GPM
FLOW RANGE
75 to 200 GPM
PUMP OUTLET
3" NPT



2 of TD168 94717 in 1988
Performance Curves
Aardema 15 HP



DIMENSIONS AND WEIGHTS

MODEL NO.	HP	MIN. WELL SIZE	LENGTH (L)	APPROX. UNIT SHIPPING WT. (LBS.)
SP 27-2	5 ⁰	6"	42 1/2"	81
SP 27-3	5 ⁰	6"	47"	88
SP 27-4	7 1/2	6"	51 1/2"	140
SP 27-6	10	6"	59 7/8"	167
SP 27-9	15	6"	73"	186
SP 27-12	20	6"	86 1/4"	225
SP 27-15	25	6"	99 1/4"	243
SP 27-18	30	6"	112 3/8"	268

4 Inch Motor

Specifications are subject to change without notice

RECEIVED
MAR 23 1995



PLEASE BRING THIS BILL WHEN PAYING IN PERSON
FOR ACCOUNT INQUIRIES CALL OR CONTACT YOUR LOCAL OFFICE AT
324-4343 148 W MAIN, JEROME

CUSTOMER IDENTIFICATION										
CUSTOMER NAME AARDEMA DAIRY					SERVICE LOCATION 385 S 200 W					
CUSTOMER NUMBER 1452-009456-0					TYPE OF SERVICE GENERAL SERVICE					
ACCOUNT INFORMATION AS OF FEBRUARY 23, 1995										
BALANCE FORWARD >										
METER NUMBER OR NUMBER OF LAMPS	R A T E	SERVICE FROM TO		D A Y S	METER READING PREVIOUS PRESENT		METER CONSTANT	BILLING DEMAND	BILLING ENERGY KILOWATT HOURS	
78287148W09		116	214		0004170	1270	40	80	34120	122754
**** ACCOUNT ACTIVITY SINCE LAST BILLING ****										
.00 TOTAL PAYMENTS RECEIVED										
ACCOUNT BALANCE										122754

COMPARE YOUR AVERAGE DAILY USE WITH LAST YEAR			
DAYS	BILLING PERIOD	KWH BILLED	KWH PER DAY
	THIS MONTH THIS YEAR		
	THIS MONTH LAST YEAR		

LEVEL PAY AMOUNT

PLEASE PAY THIS AMOUNT
1227.54

TU AID ASSISTANCE PROGRAM (PROJECT SHARE), PLEASE ADD \$1.00.

*O- REGULAR READING
CR- CREDIT

1- CUSTOMER READING
AV- AVERAGE

2 OR 3- ESTIMATED READING
MN- MINIMUM

CUSTOMER COPY - PLEASE RETAIN

APPROVED

MAR 23 1995

**Idaho
Power**

FOR ACCOUNT INQUIRIES CALL OR CONTACT YOUR LOCAL OFFICE AT
324-4348 148 W MAIN, JEROME

CUSTOMER IDENTIFICATION									
CUSTOMER NAME AARDEMA DAIRY					SERVICE LOCATION 375 S 200 W				
CUSTOMER NUMBER 1452-009456-0					TYPE OF SERVICE GENERAL SERVICE				
ACCOUNT INFORMATION AS OF JANUARY 20, 1989									
BALANCE FORWARD									
METER NUMBER OR NUMBER OF LAMPS	R A T E	SERVICE		D A Y S	METER READING		METER CONSTANT	BILLING DEMAND	BILLING ENERGY KILOWATT HOURS
		FROM	TO	*	PREVIOUS	PRESENT			
78287148W	07	12	15	116	000192	00417	40	48	9000
**** ACCOUNT ACTIVITY SINCE LAST BILLING **** 354.82CR TOTAL PAYMENTS THANK-YOU									
ACCOUNT BALANCE									44352

COMPARE YOUR AVERAGE DAILY USE WITH LAST YEAR			
DAYS	BILLING PERIOD	KWH BILLED	KWH PER DAY
	THIS MONTH THIS YEAR		
	THIS MONTH LAST YEAR		

LEVEL PAY AMOUNT

PLEASE PAY THIS AMOUNT
443.52

TO AID ASSISTANCE PROGRAM (PROJECT SHARE), PLEASE ADD \$1.00.

*O- REGULAR READING
CR- CREDIT

1- CUSTOMER READING
AV- AVERAGE

2 OR 3- ESTIMATED READING
MN- MINIMUM

CUSTOMER COPY - PLEASE RETURN

APPROVED
MAR 23 1985

IDAHO Power Company

K Warburton

PRINT REQUESTED BY WARBURTON

REQUESTED AT 14:27 02/14/95

ACCT NO-- 0652-009456-0 NAME-- AARDEMA DAIRY RATE 09
 ACCT ST-- ~~ACTIVE~~ COAPP-- ID
~~DIS~~/DIS-- 09/02/88 LOCT-- 385 S 200 W BARN
 ACTIVITY-- NONE PENDING CITY-- JEROME ID 83338 *

***** METER BILLING INFORMATION *****
 METER NO S U T D P F-SCL CONST INS/RM/CHG CURR PREV RT-ANNIV RTE SEQ RC
 78287148W A 1 5 5 3 14.4 00040 11/09/88 94448 93055 09/88 21 0950 2

	MRC	RCC	READ	DAYS	DEM-KW	BLC-KW	ENERGY-KWH	BILL AMT
01	00	0	02/01/95	30	92	0	55,720	2,005.80
02	00	0	12/31/94	18	148	0	29,120	1,182.68
03	00	0	12/13/94	30	144	0	50,360	2,014.52
04	00	0	11/14/94	30	100	0	55,840	2,041.59
05	00	0	10/13/94	30	96	0	49,800	1,842.71
06	00	0	09/14/94	30	104	0	53,360	1,978.10
07		0	08/15/94	30	100	0	55,920	2,044.06
08		0	07/15/94	30	100	0	53,320	1,963.99
09		0	06/15/94	30	96	0	51,320	1,889.52
10		0	05/16/94	30	92	0	53,920	1,906.46
11		0	04/14/94	30	92	0	50,160	1,792.66
12		0	03/15/94	30	92	0	51,640	1,836.82
13		0	02/12/94	30	92	0	48,840	1,753.28

APPROVED

MAR 23 1995

PRINT REQUESTED BY WARBURTON

REQUESTED AT 14:27 02/14/95

ACCT NO-- 0652-009456-0 NAME-- AARDEMA DAIRY RATE 09
ACCT ST-- ACTIVE COAPP-- ID
CON/DIS-- 09/02/88 LOCT-- 385 S 200 W BARN
ACTIVITY-- NONE PENDING CITY-- JEROME ID 83338 *

***** GENERAL METER INFORMATION *****
METER NO S U T D P F-SCL CONST INS/RM/CHG CURR PREV RT-ANNIV RTE SEQ RC
78287148W A 1 5 5 3 14.4 00040 11/09/88 94448 93055 09/88 21 0950 2

RATE..... 09	AREACD..... 180	HEADER #..... 00000000
ELEC HT....	LOC CODE... NO	19 CONT KW...
HIH VLT.... 0	INS CODE... 00	CONT RATE....
IRG USE....	UNGRD..... 0	CONT RATE....
LG POWER...	LANDLD..... 0	STANDBY.....
MUL FAM.... 1	APTMOB..... 0	+5% AMT.....
CONN LD....	# APTMOB... 000	CAP CHG.....
MNTH MIN...	T A/C..... 000	MILEAGE CHG..
FAC CHG....	DN EST..... 0	46 FACCHG....
ESTCNT..... 0	CHG ST.....	BLC START.... 09/02/88
KWH EST....	#CHGS.....	

MAILED
MAR 23 1995

NOTICE

This file has been REPRODUCED
from MICROFICHE because :

The entire file is needed for
reinstatement review.

Donna Black

Person Recreating File

2-16-95

Date

I certify that file No. 36-8398

has been reviewed and is ready to be MICROFILMED
and DESTROYED.

Cam Skaggs
Signature

9-27-91
Date

The attached proof report is the water right as it appeared in the database
prior to the final status and deletion from the database.

WR5808NP
(00-26)

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROOF READING REPORT

09/27/91 06:22:55
Page 1

Water Right Number - 36-08398 Prefix Translation: WATER RIGHT Old (D) Number -

+ - - - - Last Name - - - - + + - First Name - - + + - - - - Address - - - - - +

*** C - CURRENT OWNER ***
AARDEMA DAIRY

1 - 132A W. 500 S.
2 -
3 -
City- JEROME State- ID Zip- 83338
Phone - 208-324-3438

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - +

10/28/1988 17 SOUTHERN P - PERMIT

+ - - - - Source - - - - - + + - - - - Tributary - - - - - +

GROUNDWATER

+ - - - - Point of Diversion - - - - - +

Twn	Rng	Sec	Tract	Lot	RFlg	County	Stream Index (Blank if no Index Code)
09S	16E	3	SE SE		(53)	JEROME	

+ - - - - Water Use - - - - - +

Code	Description	Period From	Period To	Diversion Rate	Diversion Volume
10 - COMMERCIAL		01/01	12/31	0.600	
04 - STOCKWATER		01/01	12/31	0.600	

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - +

0.600

+ - - - - Place of Use - - - - - +

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
09S	16E	3	SE SE			04	STOCKWATER	(53) JEROME

+ - - Diversion Means - WELLS, PUMPS

+ - - Non-Irrigation Use - C/DAIRY BARN, S/1000 DAIRY, 500 RANGE

+ - - Other Rights for Same Use - NONE

+ - - - - Remarks - - - - - +

No Remarks found.

+ - - - - Old Water Right Numbers - - - - - +

No Old Water Right Numbers found.

+ - - - - Conditions of Approval - - - - - +

046 - Permit holder shall comply with the drilling permit requirements
- of Section 42-235, Idaho Code.

026 - Permit holder shall commence the excavation or construction of
- diverting works within one year of the date this permit is issued
- and shall proceed diligently until the project is complete.

09E - Water used under this permit if discharged into a natural channel

WR5808WP
(00-26)

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROOF READING REPORT

09/27/91 06:22:55
Page 2

Water right number - 36-08398

Prefix Translation: WATER RIGHT

+ - - - - Conditions of Approval - - - - - +
(Condition continued from previous page)
- or subsurface system shall meet Idaho Water Quality Standards.

+ - - - - Decree Plaintiff - - - + + - - - - Decree Defendant - - - + + - Decree Date - +
00/00/0000

+ - - - - Comments - - - - - +
No Comments Found

+ - - Audit Fields - 01/09/89 BALDWIN 05/13/89 CURTIS

+ - - - - Water Rights Dates and Flags Area - - - - - +

Proof Due Date - 07/01/1991	Field Exam Made - 00/00/0000	Field Exam Fee -
Approved/Denied - 06/12/1989	Protested Date - 00/00/0000	Swan Falls - 7
Proof Made Date - 00/00/0000	Hearing Date - 00/00/0000	Temporary Right - P
Exam to S.O. Date - 00/00/0000	Verified Date - 00/00/0000	DLE/Carey Act -
Order Show Cause - 00/00/0000	Receipt Number - S003854	Water District -
Licensed Date - 00/00/0000	Appl Received - 10/28/1988	Transfer/Amended -
Decree Date - 00/00/0000	Presumption Flag -	

July 5, 1991

AARDEMA DAIRY
132A W. 500 S.
JEROME, ID 83338

LAPSE NOTICE

RE: PERMIT NO. 36-08398

Dear Permit Holder:

You are hereby notified that under the provisions of Section 42-218A, Idaho Code, the above referenced permit has lapsed and is of no further force nor effect. The department provided the proper forms to you in our proof due notice dated April 30, 1991. No further construction or additional development is authorized under this permit unless it is reinstated.

The permit can only be reinstated if you submit an acceptable proof of beneficial use or an acceptable request for extension of time to the department within sixty (60) days of the mailing of this lapse notice. An acceptable proof of beneficial use submittal must include the examination fee or a completed field examination report. A request for extension of time must be accompanied by a fifteen dollar (\$15) fee.

Enclosed again for your use are a proof of beneficial use form and a request for extension of time form. Please note that only one extension of time can be granted unless the project has not been completed because of lack of a necessary approval by a government agency or by litigation which may bring title to the water in question.

L. GLEN SAXTON
Chief, Water Allocation Bureau

LGS:rf

Enclosures

CERTIFICATION OF MAILING

I hereby certify that on 7-8-91
the above described document was
mailed to the State of Idaho
at the address shown above.

[Signature]

AARDEMA DAIRY
132A W. 500 S.
JEROME, ID 83338

1384/3
April 30, 1991

RE: PERMIT NO. 36-08398 PROOF DUE NOTICE

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before July 1, 1991. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Rita Fleck
Secretary/Records Manager

Enclosures

Form 235-1
4/88

Drilling Permit No. 36-88-S-078
Water Permit No. 36-8898
Injection Permit No. _____

RECEIVED

NOV 16 1988

State of Idaho
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

Department of Water Resources

1. Applicant Aardema Dairy
2. Address 132 A West 500 South, Jerome, ID
Telephone 324-3438
☒ Well Owner ☐ Well Operator ☐ Other, specify _____
3. Proposed well location SE 1/4 SE 1/4, or Gov't lot No. _____,
Sec. 16³, Twp. 9S, Rge. 16E, County Jerome,
Lot, block and subdivision _____
4. Proposed use of well: (Check all that apply)
☐ Domestic ☒ Stockwater ☐ Monitoring
☐ Irrigation ☐ Industrial ☐ Municipal
☐ Injection ☒ Other, Specify Commercial (Dairy)
5. Well construction information:
☒ New well ☐ Deepen ☐ Replace
Proposed surface diameter 8" Maximum depth 168'
Anticipated bottom hole temperature: _____
☒ 85°F or less (Cold water well)
☐ 85°F to 212°F (Low temp. geothermal well)
☐ 212°F or more (Geothermal well)
6. Anticipated construction start date _____
7. Well Driller (if known) Smithy Drilling & Pump Co. Inc.
Address _____
8. Applicant's signature [Signature]
Title Owner
Date 10-12-88

* After other pre-requisite approvals have been obtained.

* Fee is \$10 for single family domestic. Other uses may be \$100, \$50 or \$10.

ACTION OF IDWR

(☒) Approved () Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.

SPECIFIC CONDITIONS:

This drilling permit does not authorize the diversion and use of water from the well.

Dated this 8 day of November, 1988.

Signed

Loren O. Thibault

Title

Southern Region Mgr.

Received by T. G. Gagne Fee 100.00 Date 11/14/88

Receipt No. 5003759 Construction start extension to _____

Extension approved by _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 334-7900
June 13, 1989

AARDEMA DAIRY
132A W. 500 S.
JEROME, ID 83338

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 36-08398

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

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

We have enclosed a form entitled "Instructions for Proof of

Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

These are the partners on the water right application.

Franco Cardena
3 South 495 West
Jerome, Id. 83338

RECEIVED

JUN 01 1989

Don Cardena
132 A West 5 South
Jerome, Id. 83338

Department of Water Resources

Ron Cardena
2 South 361 West
Jerome, Id. 83338

Don Cardena, Jr.
2182 East 3600 South
Jerome, Id. 83355



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

May 11, 1989

RE: Application for Permit No. 36-8398

Aardema Dairy
132A W. 500 S.
Jerome, ID 83338

Gentlemen:

We have received your application for permit, for commercial and livestock uses, from our Southern Regional Office for final review. However, prior to final action being taken on the application we need to have a list of the names and addresses of all partners, directors and officers entitled to take action on this water right. This is a requirement of the Department's Water Appropriation Rules and Regulations.

Please submit this information within the next thirty (30) days so we can continue processing your application.

Sincerely,

Kay Walker

KAY WALKER
Technical Records Specialist

KW:hm

cc: Southern Region

*rec'd 6/1/89-
see below
app. kw*

24-Jan-1989

Gary Burkett
Idaho Dept. of Health & Welfare
P.O. box 1626
Twin Falls, ID 83301

Re: Application for Permit No. 36-08398

Dear Mr. Burkett:

Please find enclosed a copy of the above referenced
Application for Permit for your information and files.

If you have any questions or if this office can be of further
assistance, please feel free to contact us.

Very truly yours,

Loren O. Holmes, P.E.
Southern Region Manager

LH:MB

Enclosure

23-Jan-1989

Aardema Dairy
132A W. 500 S.
Jerome, ID 83338

Re: Application for Permit No. 36-08398

Dear Applicant (s):

The Department of Water Resources acknowledges receipt of your water right application for permit. The application has been assigned the above referenced identification number. Please refer to this number in all further correspondence.

This office will be advertising the application in the North Side News on 2/1 & 2/8/89. A period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our State Office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Very truly yours,

James E. Stanton
Sr. Water Resource Agent

JS:MB

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Southern Region
2148 4th Avenue East
Twin Falls, ID 83301
(208)734-3578

JANUARY 23, 1989

NORTH SIDE NEWS
P.O. BOX 468
JEROME, ID 83338

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before FEBRUARY 20, 1989.

Yours truly,

Mary Baldwin
Secretary/Office Coordinator

Enclosure

NOTICE OF APPLICATION FOR WATER RIGHT

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

36-08398

AARDEMA DAIRY
132A W. 500 S.
JEROME, ID 83330

Source: GROUNDWATER

Diversion Pt: SESE Sec 3 T 09S R 16E

Use: COMMERCIAL (.600 CFS)
STOCKWATER (.600 CFS)

Date Filed: 10/28/1988

In: T09S R16E S03 SESE

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before FEBRUARY 20, 1989.

R. Keith Higginson, Director

Published 2/01/1989 & 2/08/1989

NSN LEGAL

NOTICE OF APPLICATION
FOR WATER RIGHT

The following application has been filed to appropriate the public waters of the State of Idaho:

36-08398
AARDEMA DAIRY, 132A W. 500 S.,
JEROME, ID 83338
Source: GROUNDWATER
Diversion Pt: SESE Sec 3 T 09S R 16E
Use: COMMERCIAL (.600 CFS)
STOCKWATER (.600 CFS)
Date Filed: 10/26/1988
In: T09S R16E S03, SESE

The permit will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before FEBRUARY 20, 1989.

R. Keith Higginson, Director
Pub: 2/1 & 2/2 N12520

OK
1/30/79

INTER-DEPARTMENT MEMO — 1

FROM Jim Stanton

DATE 11-17-88

TO John Beal

SUBJECT Drilling Permit 36-88-S-078, Aardema Dairy

While staffing the application for permit covering this dairy, I discovered that the legal description of the property was incorrect on the drilling permit and on the application. As originally given, the dairy would be in the bottom of the Snake River Canyon. It is actually just west of Sonnickson Butte. Everything is correct except for the section, which should be changed from Sec. 16 to Sec. 3. This has been verified by the land owner; the app. and the drilling permit were actually submitted by the well driller. I informed the driller of the mistake, and have our copy of these filings to show Sec. 3. Hopefully this will take care of the error.


SIGNATURE

36-08398

CABLE AND ROTARY WELL DRILLING

WATER SYSTEMS

DOMESTIC AND IRRIGATION PUMPS

MEMBERS OF:

National Water Well Assoc.
Idaho Water Well Assoc.
SRVEA
NFI
Chamber of Commerce



LICENSED:

Public Works Contractor
Electricians
Drillers and Contractors
Retail Store
Apprenticeship Training, U.S.
Bureau of Labor Standards

328 WEST "A" — 83338

October 27, 1988

RECEIVED

OCT 28 1988

Department of Water Resources
Region Office

Department of Water Resources

Twin Falls, Idaho 83301

Dear Sirs:

Enclosed please find \$45.00. for Aardema Dairy Permit.

Between being lost on my desk and construction problems on
Aardema Dairy Permit, this got delayed.

Please Process as soon as possible. Thank You.

SMITH DRILLING & PUMP CO., INC.

R. Darryl Smith
R. DARRYL SMITH

AFFIDAVIT of PUBLICATION RECEIVED

State of Idaho, }
County of Jerome } ss.

FEB 23 1989

Department of Water Resources
Southern Region Office

being first duly sworn, deposes and says that he is the printer (publisher) of the Jerome North Side News, a newspaper published every week in Jerome, County of Jerome, State of Idaho; that said newspaper has been continuously and uninterruptedly published for a period of seventy-eight consecutive weeks prior to the first publication of the annexed notice, and is a newspaper qualified to publish legal notices as provided by act of the 1919 session of the legislature of the State of Idaho, known as House Bill 145; that the annexed advertisement was published once

each week for 2x consecutive issues in said newspaper proper and not in a supplement; that the date of the first publication

of said advertisement was on the 1 day of Feb 1989, and the date of the last publication was on the 8 day of Feb 1989.

Mike Thonberry

Subscribed and sworn to before me this 22nd

day of Feb 1989
(SEAL)

Norm DeJae

NOTARY PUBLIC

NORTH SIDE NEWS

Jerome, Idaho

COST OF PUBLICATION

Number of Picas per Line

Number of Lines in Notice

Number of Insertions 2x

Lines tabular at 56/Pica
Lines straight at 11.70 44/Pica
Subsequent lines at 10.24 3.54/Pica
TOTAL COST 21.94

COPY OF NOTICE

(Paste Here)

Jerome Water App

TITLE OF NOTICE

PLAINTIFF ATTORNEY

DEFENDANT

Dept. of Water Resources
Jerome Falls, Id
83301

NOTICE OF APPLICATION
FOR WATER RIGHT
The following application has been filed to appropriate the public waters of the State of Idaho:
Applicant: JEROME DAIRY, 132A W. 300 S. JEROME, ID 83338
Source: GROUNDWATER
Diversion Pt: SESE Sec 8 T66S R16E S23
Use: COMMERCIAL C400 CFS
Stockwater: 1000 CFS
Costs Filed: 10/26/1988
Amount: 1000 R16E S23, SEC 8
The permit will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 2138 4th Avenue East, Twin Falls, Idaho 83301 on or before FEBRUARY 20, 1989.
Signed: Keith Higginson, Director
Pub: 2/1 & 2/8 1989 N13520

PUBLICATION RATES

(Idaho Code, Rev. Statutes 1984)

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