

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.

CIVIL CASE NUMBER: 39576

Ident. Number: **A36-07734**
Date Received: 4/ 2/1990
Receipt No: S011738
Received By: _____

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

1. Name: DON AARDEMA 208-324-3438
Address: 132A WEST 500S
JEROME ID 83338

AND/OR

Name: EVELYN AARDEMA 208-324-3438
Address: 132A WEST 500S
JEROME ID 83338

2. Date of Priority: MAR 11, 1977

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
09S	16E	2		SW	SW		JEROME

5. Description of diverting works:
WELL & PUMP.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	03/15	11/15	0.600		120.00
STOCKWATER	01/01	12/31	1.000		59.00
DOMESTIC	01/01	12/31	0.100		4.80

7. Total Quantity Appropriated is:
1.000 C.F.S. (and/or) 183.80 A.F.A.

8. Total consumptive use is 90.0 Acre Feet Per Annum.

9. Non-irrigation uses:
DOMESTIC/4 HOMES; STOCKWATER/1500 RANGE

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10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
09S	16E	2	NW	SW		IRR	20.0
			SW	SW		IRR	10.0
Section Acres							30.0
Total Acres							30.0

11. Place of use in counties: JEROME

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
A36-07250

14. Remarks:

15. Basis of Claim: LICENSE

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do ____ do not ____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): _____ Date: _____
_____ Date: _____

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State of Idaho)
County of _____) SS.

Subscribed and sworn (or affirmed) before me this _____ day
of _____ 19 _____

Notary Public

Seal

Residing at _____

My Commission Expires _____

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NEW PROPERTY OWNER NOTICE OF CHANGE OF WATER RIGHT OWNERSHIP

Please print or type
(see instructions on back of page)

RECEIVED

AUG 06 1992

Department of Water Resources
Southern Region Office

DATE OF CLOSING: August 3, 1992

LEGAL DESCRIPTION OF PROPERTY: Township 9S Range 16E
Section 2, 1/4 of SW 1/4 of SW 1/4, Govt. Lot _____, BM.
Lot _____, Block _____, Subdivision/Townsite Jerome.
If you have additional legal descriptions, please attach separate sheet.

- ☐ Served Only by a Public Service Water Supply (all water is received from a city or company who maintains water supply system, owns the water right, and bills the customer on a regular basis)
- ☐ Water Right Number(s)
Assigned by IDWR: A36-07734 and A36-07250
- ☐ Name and Address of Former Owner/Claimant(s)(Seller):
Holstein Dairy Investment
2709 E. 800 South
Hazelton, ID
- ☐ New Owner/Claimant (Purchaser):
Don and Evelyn Aardema
- ☐ New Mailing Address:
132A West 500 South
Jerome, ID 83338
- ☐ New Telephone Number: (208) 343-324 - 3438
- ☐ Does the change in ownership result in a splitting of the water right owned/claimed? yes X no
If yes, then describe the portion of the water right that is now owned/claimed by the new owner:

- ☐ Attach proof of ownership, describe proof attached: Recorded Warranty Deed

(proof of ownership must describe either the property conveyed or include the claim number. Proof of ownership is not required if this form is signed by the former owner/claimant.)

- ☐ Signature of New Owner/Claimant(s): Don Aardema by Rick J. Brown Date 8-3-92
- ☐ Signature of Former Owner/Claimant(s): Don Aardema Date _____

(Signature of former claimant(s) is not required if proof of ownership is attached.)

FOR IDWR USE ONLY:

Initial Review and Data-Entry

Date: 8/6/92 By: AK

Further Action Needed:

Further Action Taken

Date: _____ By: _____

Final Review and Data-Entry

Date: 8/6/92 By: AK

Claim Numbers of Split, if any:

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Original to be mailed to Idaho Department of Water Resources
Copies to Former Owner and New Owner

SD-0604-2 Township: 09S Range: 16E Section: 2			Tract:		Lot:			
S	L	STATE	O	S	Max #	Records		
E	O	Water	W	T	Priority	Use		
L	Tract	Right No.	N	AC	G	Date	Code Desc	
-----			-----		-----			
---	NWSW	R36-07734			L	03/11/1977	43 DOMEST	
---							10 COMMER	
---	SWSW	R36-07734	HOLSTEIN DAIRY INVESTM	C	10	L	03/11/1977	01 IRR
---			IDAHO CONSOLIDATED DAI	K			04 STOCK	
---							43 DOMEST	
---							10 COMMER	
---	SWSW	A36-07734	HOLSTEIN DAIRY INVESTM	C	10	L	03/11/1977	01 IRR
---			HOLSTEIN FARMS ASSOC	O			04 STOCK	
---							43 DOMEST	
---	SWSW	A01-00212Z3	LARGE CLAIM	C	40	D	01/01/1901	39 GWR FS
---	SWSW	A36-07250	HOLSTEIN DAIRY INVESTM	C		L	07/21/1972	04 STOCK
---							10 COMMER	
---							43 DOMEST	
---	SWSW	R36-07250	IDAHO CONSOLIDATED DAI	K		L	07/21/1972	04 STOCK
---			HOLSTEIN DAIRY INVESTM	C			10 COMMER	
---							43 DOMEST	

(Enter=Continue)

(GOLD7=This Query)

(Menu _____)

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SD-0604-2 Township: 09S			Range: 16E		Section: 2		Tract:		Lot:	
S	L		STATE		O	S	Max #	Records	65	
E	O	Water	Name		W	T	Priority	Use		
L	Tract	T	Right No.	Last, First	N	AC	G	Date	Code	Desc
-	-	-	-	-	-	-	-	-	-	-
-	NWSW		R36-07734				L	03/11/1977	43	DOMEST
-									10	COMMER
-	SWSW		R36-07734	HOLSTEIN DAIRY INVESTM	C	10	L	03/11/1977	01	IRR
-				IDAHO CONSOLIDATED DAI	K				04	STOCK
-									43	DOMEST
-									10	COMMER
-	SWSW		A36-07734	HOLSTEIN DAIRY INVESTM	C	10	L	03/11/1977	01	IRR
-				HOLSTEIN FARMS ASSOC	O				04	STOCK
-									43	DOMEST
-	SWSW		A01-00212Z3	LARGE CLAIM	C	40	D	01/01/1901	39	GWR FS
-	SWSW		A36-07250	HOLSTEIN DAIRY INVESTM	C		L	07/21/1972	04	STOCK
-									10	COMMER
-									43	DOMEST
-	SWSW		R36-07250	IDAHO CONSOLIDATED DAI	K		L	07/21/1972	04	STOCK
-				HOLSTEIN DAIRY INVESTM	C				10	COMMER
-									43	DOMEST

(Enter=Continue)

(GOLD7=This Query)

(Menu _____)

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SD-33	Last Name: HOLSTEIN				STATE	
S	O					
E	W	Water	Priority		Total	Use
L	N	Right No.	Date	Source	Diversion	Code Desc

HOLSTEIN DAIRY INVESTMENT GROUP						
	C	A36-07734	03/11/1977	GROUNDWATER	1.000	01 IRR
						04 STOCK
						43 DOMEST
	C	A36-07250	07/21/1972	GROUNDWATER	0.250	04 STOCK
						10 COMMER
						43 DOMEST
	C	R36-07734	03/11/1977	GROUNDWATER	1.000	01 IRR
						04 STOCK
						43 DOMEST
						10 COMMER
	C	R36-07250	07/21/1972	GROUNDWATER	0.250	04 STOCK
						10 COMMER
						43 DOMEST

(Enter=Continue)

(GOLD7=This Query)

(Menu _____)

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WARRANTY DEED

COPY

For Value Received

IDAHO CONSOLIDATED DAIRY FARMS
Duane Kent, as Managing Partner

Hereinafter called the Grantor, hereby grants, bargains, sells and conveys unto

DONALD AARDEMA and EVELYN AARDEMA, husband and wife
whose address is: 132-A 500 South Jerome, Idaho 83338

Hereinafter called the Grantee, the following described premises situated in Jerome County, Idaho, to-wit:

RECEIVED

AUG 06 1992

Department of Water Resources
Southern Region Office

See Exhibit "A" Attached Hereto:

TO HAVE AND TO HOLD, the said premises, with their appurtenances unto the said Grantee and to the successors heirs and assigns of the Grantee forever. The Grantor does hereby covenant to and with the said Grantee, that the Grantor is the owner in fee simple of said premises; that they are free from all incumbrances except as above described and that Grantor will warrant and defend the same from all lawful claims whatsoever.

Dated: August 3, 1992



IDAHO CONSOLIDATED DAIRY FARMS,
Duane Kent, as Managing Partner

STATE OF IDAHO, COUNTY OF Jerome
On this 3rd day of August, 19 92,
before me, a notary public in and for said State, personally appeared

Duane Kent, as Managing Partner
of IDAHO CONSOLIDATED DAIRY FARMS

known to me to be the person whose name is
subscribed to the within instrument, and acknowledged
to me that he executed the same.
on behalf of IDAHO CONSOLIDATED DAIRY

Notary Public

Residing at _____, Idaho.
Commission expires: _____

RECORDED
OF Land Title & Escrow, Inc.
AUG 3 4 45 PM '92
JEROME COUNTY, IDAHO
FEES \$6.00 SEP 16

922625

RICK BERNSEN
★ NOTARY PUBLIC ★
STATE OF IDAHO

RESIDING AT JEROME, IDAHO
MY COMMISSION EXPIRES JULY 30, 1997

EXHIBIT "A"

TOWNSHIP 9 SOUTH, RANGE 16, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 2: W $\frac{1}{2}$ SW $\frac{1}{4}$;

Together with all water and water rights, ditches and ditch rights, used thereon or appurtenant thereto, including but not limited to 80.0 shares of North Side Canal Company Limited water stock.

SUBJECT TO THE FOLLOWING:

All reservations in patents or deeds in the chain of title.

Taxes for 1992 and subsequent years, which are not yet due and payable.

Assessments of the American Falls Reservoir District and the rights and powers of said District as by law provided.

Assessments of the North Side Canal Company and the rights and powers of said Company as by law provided.

Right of way for roads, canals, laterals and waste ditches as contained in an Agreement by and between the State of Idaho, and the Twin Falls North Side Land and Water Company, dated August 21, 1907, recorded in Book 15 Page 589, Jerome County records.

Underground Power Line Easement given by Reliance Credit Corporation, to Idaho Power Company, a corporation, dated December 11, 1972, recorded April 5, 1973 in Book 184 Page 712 as Instrument Number 199467, Jerome County records, affecting the W $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 2, Township 9 South, Range 16, East Boise Meridian.

Underground Power Line Easement given by Reliance Corp. to Idaho Power Company, a corporation, dated February 15, 1973, recorded April 5, 1973 in Book 184 Page 719 as Instrument Number 199474, Jerome County records, affecting the W $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 2, Township 9 South, Range 16, East Boise Meridian.

Power Line Easement given by Holstein Farms, Marcus B. Peperzak, President, and S. M. Frank, Secretary, to Idaho Power Company, a corporation, dated September 16, 1977, recorded February 21, 1978 in Book 184 Page 1627 as Instrument Number 231310, Jerome County records, affecting a portion of the E $\frac{1}{2}$ E $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 2, Township 9 South, Range 16, East Boise Meridian.

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State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301 (208) 736-3033

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

06-Aug-1992 15:00

DON AARDEMA
EVELYN AARDEMA
132A WEST 500S
JEROME ID 83338

Re: Adjudication Claim(s) No.A36-07250 & A36-07734 - Holstein Dairy
Investment

Dear Mr. & Mrs. Aardema:

We changed the name on the above-referenced Adjudicated Claim(s) to a Water Right(s) as you have requested. Please find enclosed a copy(s) of the computer record of the claim noting the change in name.

Please review the record(s) and if you have any corrections, please contact this office.

Sincerely,

Judy Givens
Adjudication Secretary

/jg

Enclosures

c.c. Land Title and Escrow Inc./Jerome
Holstein Dairy Investment

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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.

CIVIL CASE NUMBER: 39576

Ident. Number: A36-07734
Date Received: 3/26/1990
Receipt No: 5011738
Received By: AD

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: HOLSTEIN DAIRY INVESTMENT GROUP 208-438-5437
Address: 2709 E. 800 S.
HAZELTON, ID 83335

2. Date of Priority: MAR 11, 1977

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
09S	16E	2	SW	SW			JEROME

5. Description of diverting works:
WELL & PUMP.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	03/15	11/15	0.600		120.00
STOCKWATER	01/01	12/31	1.000		59.00
DOMESTIC	01/01	12/31	0.100		4.80

7. Total Quantity Appropriated is:
1.000 C.F.S. (and/or) 183.80 A.F.A.

8. Total consumptive use is 90.0 Acre Feet Per Annum.

9. Non-irrigation uses:
S/1500 HEAD D/4 HOMES.

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
09S	16E	2	NW	SW		IRR	20.0

10. Place of Use: Continued

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
09S	16E	2	SW	SW	IRR	10.0
Section Acres						30.0
Total Acres						30.0

11. Place of use in counties: JEROME

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
A36-07250

14. Remarks:

15. Basis of Claim: LICENSE

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not _____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Organizations:

I do solemnly swear or affirm that I am Manager of _____ Title

Snake River Basin Group, that I have signed the foregoing Organization

document in the space below as Manager of _____ Title

Snake River Basin Group and that the statements contained in the Organization

foregoing document are true and correct.

[Signature]
Signature of Authorized Agent

Manager Snake River Basin Group
Title and Organization

4/2/90
Date

State of Idaho)
County of Theriot Falls) SS.

Subscribed and sworn (or affirmed) before me this 2nd day
of April 19 90

[Signature]
Notary Public

Seal

Residing at Kinseely Id.

My Commission Expires 6/30/99

36-7734

file

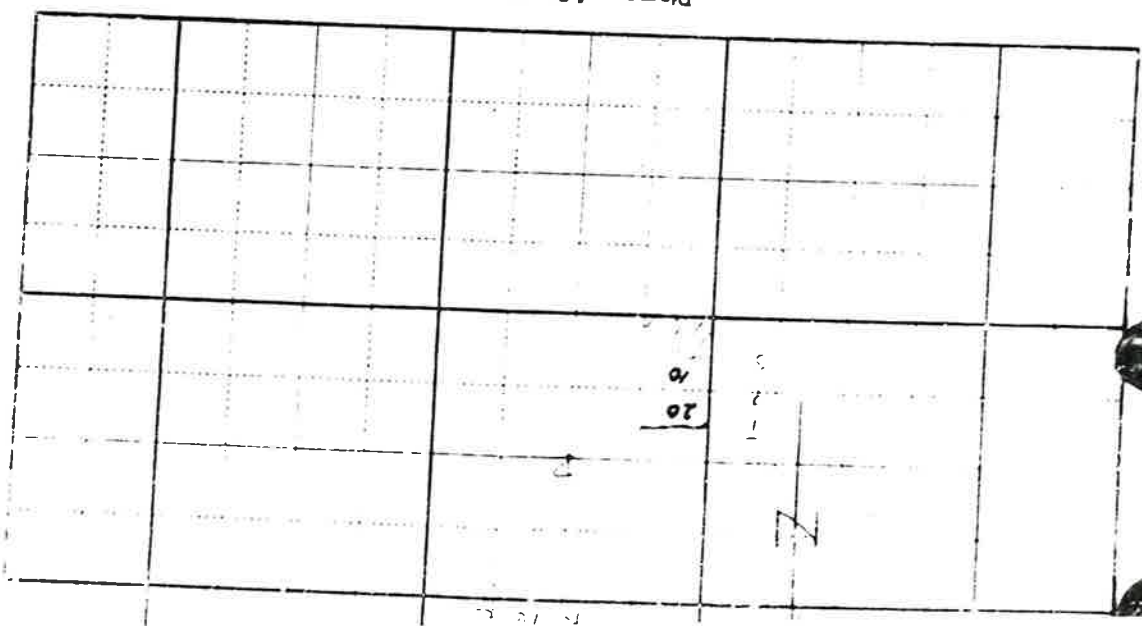
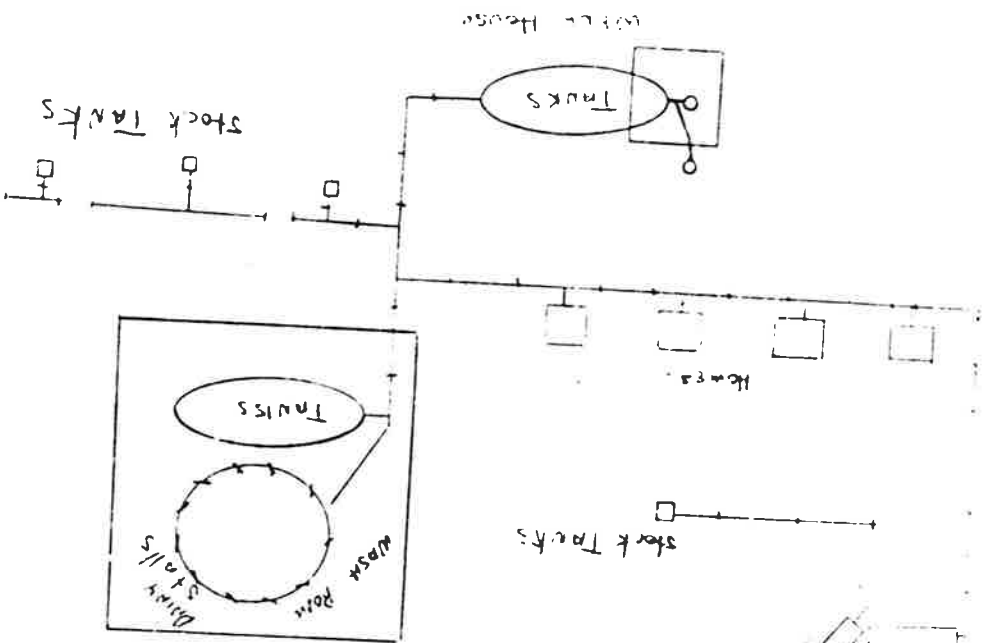


Diagram of System



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DBA Holstein Dairy Inv. Group Phone 438-5437
Idaho Consolidated CONVERSATION MEMORANDUM

NAME OF PARTY Duane Kent
EMPLOYEE: R.V. Warstell

DATE 3/12/92
FILES 36-07250 + 36-07734

RE: Overlap? of 2 claims and Dairy Cons. Use.

Mr. Kent said the claim with a 1977 priority (36-07734) was a "back-up" well for the dairy operations. The total operation is for 1200 milking cows and 300 dry stock. There are 3 homes and about 8 mobil homes on the property.

They milk 3 times/day with an automatic cow washing procedure. The waste water goes to 4 lagoons with a total area of about 15 acres and a depth of 10 feet.

3/13/92 Mr. Kent called back to report the lagoons had a total area of 10 to 12 acres and averaged 20' deep.

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GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

FILE: 36-07734
DATE: 2/26/92
BY: R.V.W.

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8) \times (7.5) \times (0.70)}{[(142) + (92.4 \times 2.31)]} = \frac{462}{234.4} = 1.97 \text{ cfs}$$

<u>LIFT FROM:</u>	<u>PSI FROM:</u>	<u>NOTES ON PUMP:</u>
measurement ()	measurement ()	Motor Make, Serial or ID
owner ()	owner ()	
area estimate ()	estimate (✓)	Pump Make, Serial or ID, rating
well logs (✓)	owner gage ()	
Booster (Y) (N)		<u>From HP on claim</u>

REMARKS _____

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)	CV-DV	
5/01-09/30	153	2-3	(.....) X (1.98) X (.....)
4/15-10/15	184	2.5-3.5	POTENTIAL =
4/01-10/31	214	3-4	
3/01-11/30	275	VARIES	(.....)
3/15-11/15	246	VARIES	POTENTIAL =

REQUIRED Acre Feet/Acre/Annum = _____
(AF/Ann/Ac irrigation requirement from chart for area)
NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY ()
IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY ()

9S 16E Sec 2 SWSW

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From Field Exam Report

36-07734

DATE OF EXAM 11-10-78

ACREAGE
Found 30
Recommended 30

Irrigation Requirement 46 Ac Ft/Ac

USE
Irrigation Q = .60 cfs V = 1200 AF/Ann. from MARCH 15 to NOV 15
Domestic Q = .10 cfs V = 48 AF/Ann. from JAN 1 to DEC 31
Livestock Q = 1.0 cfs V = 5845 AF/Ann. from JAN 1 to DEC 31

Is water co-mingled? yes no ☒

Name source: _____
Twp N/S, Rge E/W, B.M., Sec. Sub. 1/4 1/4 County

Exchange? yes no ☒

Name source exchanged with: _____
Twp N/S, Rge E/W, B.M., Sec. Sub. 1/4 1/4 County

Point of injection: _____
Twp N/S, Rge E/W, B.M., Sec. Sub. 1/4 1/4 County

Point of exchange: _____
Twp N/S, Rge E/W, B.M., Sec. Sub. 1/4 1/4 County

Total Q measured 3.0 C.F.S. Method of measurement MECHANICAL

Total Q recommended 1.0 C.F.S. Meter No. 77-4-272 Type 4" Condition New

Total V recommended 183.45 Ac.Ft./ANN

Recommended Amendments:

P.D. _____
Place of Use _____
Other _____
None ☒

MEASUREMENT CALCULATION:

MEASURED 30 CFS FROM BOTH WELLS.
ALLOWED 1.0 CFS. AMOUNT APPLIED FOR
1500 HEAD DAIRY CATTLE 1.0 CFS. @ 58.15 AC FT/ANN. SEE APPLICATION 4-7-75
IRRIGATION .60 CFS @ 1200 AC FT/ANN (TR. REQ. 90 AC FT/ANN) (300 HEADS)
DOMESTIC 1.0 CFS. (9.8 AC FT/ANN) (4 HEADS) x (1.2 AC FT/AC ANNUAL)

SYSTEM DESCRIPTION:

(1) WELLS @ 50 HP Red Jacket M* 6057016
@ 25 HP Red Jacket NO SERIAL #
(2) Large Pressure Tanks Bath 12000 gal ea.
WASTE WATER FROM THE WASHING OF THE CATTLE IS SPRINKLED
ON THE PASTURE OF 30 ACRES.

REMARKS:

FRANK Gilpin was present during THE EXAM.
THERE ARE 8 Mobile Homes
Application # 26-1250 covers the same AREA & USES
6.1250 cfs for irrigation, domestic use & 1.0 cfs for waste water
for a total of 7.1250 cfs more info.

Examiner's Signature *Law Junderburg*

Date 11-13-78

Checked by *Mike O. Moritt*

Date

Approved by

Date

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FEB 04 1993

Log for claim 36-07734

Spatial Dynamics BTD

12/27/01

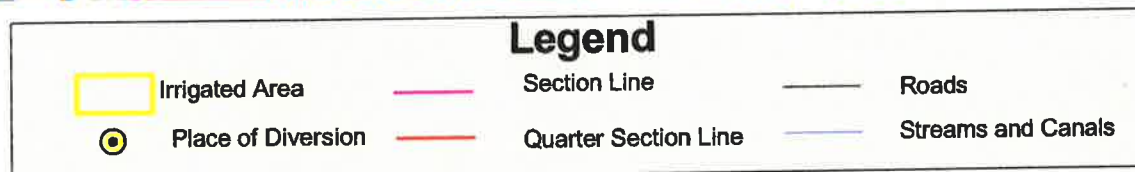
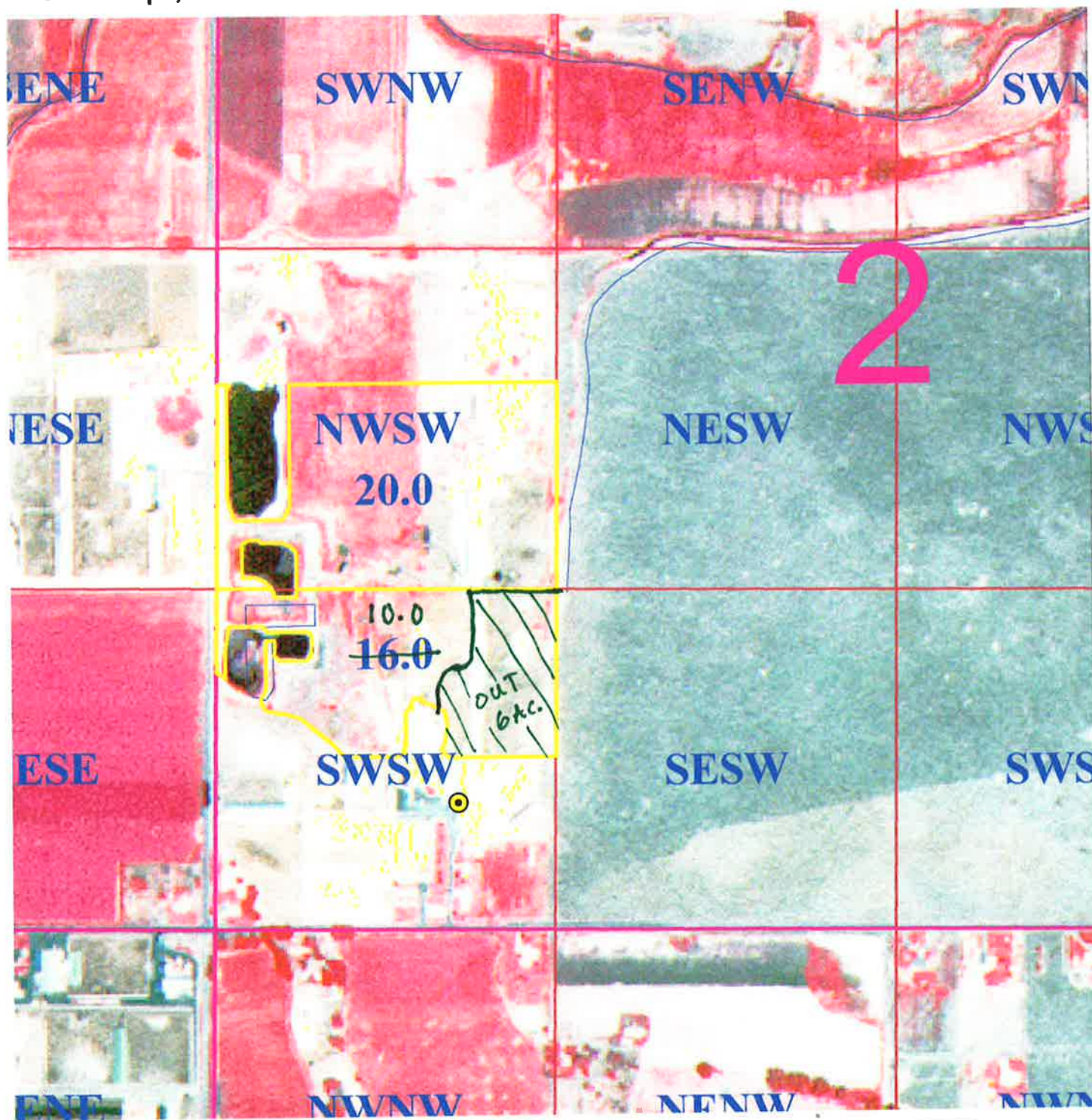
TR	SEC	QQ	Acres Recommended	Acres Shaped	COMMENT
09s16e	2	NWSW	20	20	
09s16e	2	SWSW	10	~~16~~ 10	
Totals:			30	~~36~~ 30	

Revised shape to Remove
Corals.

2/8/02
SCU

Water Right Number 36-07734
Township , 9S16E

12/27/2001



R PROOF



CVR



MAPS



PHOTOS



MISC



MICROFILMED

FEB 04 1985

ok
S.W. Keen
10/28/92

Conditions of Approval:

- PURSUANT TO IDAHO CODE 42-1416A.
- C04 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PURPOSE OF USE PURSUANT
- TO IDAHO CODE 42-1416A.
- S17 - USE OF THIS RIGHT IS COMBINED WITH WATER FROM
- NORTH SIDE CANAL CO. LTD.

Remarks: TWO POINTS OF DIVERSION LOCATED IN SESWSW, S2, T9S, R16E.
RIGHT NO. 36-07250 IS ALSO DIVERTED THROUGH POINT OF DIVERSION
DESCRIBED ABOVE, AND THE TOTAL COMBINED RATE OF DIVERSION OF
THESE RIGHTS IS LIMITED TO 1.25 CFS.
THIS RIGHT WHEN COMBINED WITH RIGHT 36-07250 IS LIMITED TO A
COMBINED DIVERSION VOLUME OF 52.0 AFA AND A COMBINED CONSUMPTIVE
USE VOLUME OF 7.0 AFA FOR STOCKWATER. IT ALSO IS LIMITED TO 18.8
AFA DIVERSION VOLUME AND 4.6 AFA CONSUMPTIVE USE VOLUME FOR
COMMERCIAL USES IN THE DAIRY BARN. THE TOTAL COMBINED USE IS
LIMITED TO 1200 DAIRY COWS AND 300 DRY STOCK.

Dates: Exam Made Date: Verified Date:
Misc: Water District Number: Field Inspection Flag:
Presumption Flag: C

Comments: Date: 03/03/1992 User-ID: WORSTELL Subject: COMMERCIAL DIVERSION VOLUME FOR 1200 DAIRY CATTLE
THE COMMERCIAL DIVERSION VOLUME/WASTE WATER FOR THE 1200 DAIRY
CATTLE IS USED FOR IRRIGATION.

Date: 04/01/1992 User-ID: MERRITT Subject: COMMERCIAL USE
THE COMMERCIAL USE WAS ADDED TO THIS RECOMMENDATION TO REFLECT
THE USE WHICH THIS LICENSE RECOGNIZED OF THE ADDITION OF THE
EXTRA CATTLE AND ADDTION OF THE DIVERSION CAPACITY.

Date: 08/06/1992 User-ID: GIVENS Subject: OWNERSHIP CHANGE
CHANGE OF OWNERSHIP RECEIVED 8/6/92 ORIGINAL OWNER HOLSTEIN DAIRY
INVESTMENTS NEW OWNER DON AND EVELYN AARDEMA. COPY OF DEED
SUBMITTED WITH FORM.

Date: 10/28/1992 User-ID: KEEN Subject: CORRECTION OF REMARKS
FIXED DATA ENTRY AND WORDING IN REMARKS. DID NOT CHANGE MEANING.

Audit: 10/28/92 KEEN

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FEB 04 1993

VERIFIED BY HHJ

Water Right Number - R36-07734

Prefix Translation: RESEARCH

Old (D) Number -

+ - - - - Last Name - - - - +

+ - First Name - - +

+ - - - - Address - - - - - +

*** C - CURRENT OWNER ***

AARDEMA

DON

1 - 132A W 500 S

2 -

3 -

City- JEROME

State- ID Zip- 83338

Phone - 208-324-3438

AARDEMA

EVELYN

1 - 132A W 500 S

2 -

3 -

City- JEROME

State- ID Zip- 83338

Phone - 208-324-3438

*** O - ORIGINAL OWNER ***

IDAHO CONSOLIDATED DAIRY FARMS

1 - C/O DWAYNE KENT MANAGER

2 -

3 -

City- XXXX

State- ID Zip- 000

Phone - 208-438-5437

HOLSTEIN DAIRY INVESTMENT GROUP

1 - 2709 E 800 S

2 -

3 -

City- HAZELTON

State- ID Zip- 83335

Phone - 208-438-5437

+ - - Priority Date - - +
03/11/1977

+ - - - Region - - - +
17 SOUTHERN

+ - - - Stage - - - +
L - LICENSE

+ - - - Status - - - +

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

+ - - - - Tributary - - - - - +

+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County

09S 16E 2 SE SW SW (53) JEROME

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume

01 - IRRIGATION	04/01	10/31	0.600	120.00
04 - STOCKWATER	01/01	12/31	0.850	52.00
43 - DOMESTIC	01/01	12/31	0.100	4.80
10 - COMMERCIAL	01/01	12/31	0.150	18.80

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
1.000 195.60 97.0

+ - - - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County

09S	16E	2	NW SW	20.0	01	IRRIGATION	(53) JEROME
09S	16E	2	SW SW	10.0	01	IRRIGATION	(53) JEROME

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Water right number - R36-07734

Prefix Translation: RESEARCH

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use Code	Description	County
09S	16E	2	NW SW			04	STOCKWATER	(53) JEROME
09S	16E	2	SW SW			04	STOCKWATER	(53) JEROME
09S	16E	2	SW SW			10	COMMERCIAL	(53) JEROME
09S	16E	2	SW SW			43	DOMESTIC	(53) JEROME

Total Acres: 30.0

+ - - Diversion Means - TWO WELLS & PUMPS, 25 HP & 50 HP, TWO 12000 GAL TANKS

+ - - Non-Irrigation Use - DOMESTIC/4 HOMES;STOCK/1200 DAIRY & 300 DRY STOCK;COMMERCIAL/BARN

+ - - Other Rights for Same Use - 36-07250

----- Remarks -----

TWO POINTS OF DIVERSION LOCATED IN SESWSW, S 2, T 9S, R 16E. RIGHT NO. 36-07250 IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE, AND THE TOTAL COMBINED RATE OF DIVERSION OF THESE RIGHTS IS LIMITED TO 1.25 CFS. THIS RIGHT WHEN COMBINED WITH RIGHT 36-07250 IS LIMITED TO A COMBINED DIVERSION VOLUME OF 52.0 AFA AND A COMBINED CONSUMPTIVE USE VOLUME FOR STOCKWATER OF 7.0 AFA. IT ALSO IS LIMITED TO 18.8 AFA DIVERSION VOLUME AND 4.6 AFA CONSUMPTIVE USE VOLUME FOR COMMERCIAL USES IN THE DAIRY BARN. THE TOTAL COMBINED USE IS LIMITED TO 1200 DAIRY COWS AND 300 DRY STOCK.

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

3607734

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

C03 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION
- PURSUANT TO IDAHO CODE 42-1416A.
C04 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PURPOSE OF USE PURSUANT
- TO IDAHO CODE 42-1416A.
S17 - USE OF THIS RIGHT IS COMBINED WITH WATER FROM
- NORTH SIDE CANAL CO. LTD.

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

00/00/0000

----- Comments -----

Date: 03/03/1992 User Id: WORSTELL Subject: COMMERCIAL DIVERSION VOLUME FOR 1200 DAIRY CATTLE
THE COMMERCIAL DIVERSION VOLUME/WASTE WATER FOR THE 1200 DAIRY CATTLE IS USED FOR IRRIGATION.
Date: 04/01/1992 User Id: MERRITT Subject: COMMERCIAL USE
THE COMMERCIAL USE WAS ADDED TO THIS RECOMMENDATION TO REFLECT THE USE WHICH THIS LICENSE RECOGNIZED OF THE ADDITION OF THE
EXTRA CATTLE AND ADDITION OF THE DIVERSION CAPACITY.
Date: 08/06/1992 User Id: GIVENS Subject: OWNERSHIP CHANGE
CHANGE OF OWNERSHIP RECEIVED 8/6/92 ORIGINAL OWNER HOLSTEIN DAIRY INVESTMENTS NEW OWNER DON AND EVELYN AARDEMA. COPY OF DEED

	-Comments-
+ SUBMITTED WITH FORM.	

+ - - Audit Fields - - +
08/19/92 THORNTON

+ - - - - - Adjudication Rights Dates and Flags Area - - - - - +									
--	--	--	--	--	--	--	--	--	--

Court Report Filing	- 00/00/0000	Field Inspection Made	- 00/00/0000	Civil Case Number	- 39576
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 08/19/1992	Old Judicial District	-
Claim Received Date	- 04/02/1990	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- S011738	Water District	-
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- AND/OR	Presumption Flag	- C
				Notice of Error Flag	-

94
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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

01:17:19
08/30/90

PAGE: 12
QUICKLOOK INFORMATION

CLAIM NUMBER: A36-07734

WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE				N		SW 11-1-91	DB 10-26-90	R.V. 74
POINT OF DIV	Y			Y	6			2/3/92
SOURCE				N				3/13/92
PLACE OF USE	Y			N	1, 6			
DIV. AMOUNT CFS/VOLUME				Y	6			
CONSUMPTIVE USE				N				
PURPOSES				N				
PERIOD OF USE				N				
BASIS OF CLAIM				N				
REMARKS				Y				

"VERIFIED BY" CODES

TOPO MAP/ORTHO-PQ = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER (SEE REMARKS) = 6

THESE CODES ARE USED TO INDICATE HOW THE FIELD EXAMINER VERIFIED THE INFORMATION
USED FOR THIS FIELD EXAMINATION. INDICATED ARE ALL CODES WHICH APPLY.

RECEIVED

FEB 04 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

01:17:19
08/30/90

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A36-07734

LAST: HOLSTEIN DAIRY INVESTMENT GROUP
ADDRESS: 2709 E. 800 S.
CITY: HAZELTON
PHONE NUMBER: 208-438-5437

FIRST:
STATE: ID ZIP: 83335

OWNER CODE: C

LAST: HOLSTEIN FARMS ASSOC.
ADDRESS: RT. 3
CITY: JEROME
PHONE NUMBER: 208-000-0000

FIRST:
STATE: ID ZIP: 83338

OWNER CODE: O

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

NO REMARKS IN CLAIM

DATABASE
N

FIELD
EXAMINER

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FEB 04 1993

CONTACT PERSON: _____

PHONE NUMBER: (____) ____-____

DATE OF FIELD EXAM: ____/____/____

APPOINTMENT MADE: Y(____) N(____)

TIME: ____:____ A(____) P(____)

ACCOMPANIED BY: _____

PHONE NUMBER: (____) ____-____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / REMARKS:

A. AJ CLAIM: # A36-07734 PRIORITY DATE: 03-11-1977 STAGE: L
B. WR RECORD: # 36-07734 PRIORITY DATE: 03-11-1977 STAGE: L

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE
N

FIELD
EXAMINER
N

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N(/)
IF YES EXPLAIN.

REMARKS: _____

===== RECOMMENDED PRIORITY DATE:
03-11-1977

REVIEWED BY W

DATE 10/26/90

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A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A36-07734	09S	16E	2	<i>SE</i>	SW	SW		JEROME

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A36-07250 NONE

WR RECORDS IN SAME 40 ACRE TRACT
36-07250

SOURCE: GROUNDWATER

TRIB:

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
36-07734	09S	16E	2		SW	SW		JEROME

OTHER WR RECORDS WITH SAME WR POD

36-07250

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX
A36-07250 NONE

SOURCE: GROUNDWATER

TRIB:

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY? (Y/N)
DUE TO SOURCE DISCREPANCY? (Y/N)

DATABASE
Y
N

FIELD
EXAMINER
N
N

REMARKS:

confirmed with orig lic. exam

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	COUNTY
<u>92</u>	<u>162</u>	<u>02</u>	<u>SE</u>	<u>SW</u>	<u>SW</u>	<u>---</u>	<u>47</u>

SOURCE: GROUNDWATER

TRIB:

REVIEWED BY:

lw

DATE:

10/26/90

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A. ROOT WATER RIGHT NUMBERS: A36-07734

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
09S	16E	2	NW	SW		HOLSTEIN DAIRY INVESTMENT GROUA36-07734	720.0	36-07734 720.0	37.0		
						HOLSTEIN DAIRY INVESTMENT GROUA36-07250	/	36-07250 /		20	20
						LARGE CLAIM A01-00212Z3/40.0		- /			
									Stock		
09S	16E	2	SW	SW		HOLSTEIN DAIRY INVESTMENT GROUA36-07734	710.0	36-07734 710.0	38.0		
						LARGE CLAIM A01-00212Z3/40.0		- /		10	10
						HOLSTEIN DAIRY INVESTMENT GROUA36-07250	/	36-07250 /			
									Stock/Don		
TOTAL ACRES A36-07734							30.00	30.00	75.00		30

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y() N()
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE Y
FIELD EXAMINER N

PRESUMPTION FLAG:

REMARKS:

**add S+D pou*
Dairy waste water also irrigates the pasture (see License EXAM)
RWW 2/27/92

RECOMMENDATIONS:

TOTAL ACRES: 30

REVIEWED BY: W

SW 11-1-91

DATE: 10/26/90

A. AJ CLAIMED USES:

PURPOSES	FROM	MONTH/DAY	TO	DIVERSION	QUANTITY
A36-07734 IRRIGATION	FROM 03-15	TO 11-15		.600 CFS	120.00 AE/A
A36-07734 STOCKWATER	FROM 01-01	TO 12-31		1.000 CFS	59.00 AE/A
A36-07734 DOMESTIC	FROM 01-01	TO 12-31		.100 CFS	4.80 AE/A
TOTAL DIVERSION RATE/VOLUME CLAIMED				1.000 CFS	183.80 AE/A

B. WR RECORDED USES:

PURPOSES	FROM	MONTH/DAY	TO	DIVERSION	QUANTITY
36-07734 IRRIGATION	FROM 03-15	TO 11-15		.600 CFS	120.00 AE/A
36-07734 STOCKWATER	FROM 01-01	TO 12-31		1.000 CFS	59.00 AE/A
36-07734 DOMESTIC	FROM 01-01	TO 12-31		.100 CFS	4.80 AE/A
TOTAL DIVERSION RATE/VOLUME CLAIMED				1.000 CFS	183.80 AE/A

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

	DATABASE	FIELD EXAMINER
DUE TO WATER-USE DISCREPANCY? (Y/N)	N	<u>N</u>
DUE TO DIVERSION RATE DISCREPANCY? (Y/N)	N	<u>N</u>
DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N)	N	<u>N</u>

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

Y(/) N()

RECOMMEND TO WR STANDARDS OR OTHER?

Y() N() Explain in remarks, below.

REMARKS:

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A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y(☒) N(☐)

AJ TOTAL CLAIMED DIVERSION RATE: 1.000 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.000 CFS

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
** If an amount smaller than the original diversion rate is **
** claimed and an exam is NOT required, explain in remarks. **

FLOW MEASUREMENT REQUIRED?

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N)

FIELD
DATABASE EXAMINER
Y ☒

B.

FLOW MEASUREMENT

MEASUREMENT METHOD _____, SEE ATTACHED CALCULATIONS.

C. ARE OTHER WATER RIGHTS USED? Y(☐) N(☐) IF YES COMPLETE OVERLAP REVIEW.

OTHER RIGHTS LISTED IN CLAIM: A36-07250

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A36-07734	GROUNDWATER	HOLSTEIN DAIRY INVESTMENT GROU	1.000	0.033	183.80	6.12
A01-00212Z3	LARGE CLAIM	LARGE CLAIM	9999999.000	303.196		

LIST ALL RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION.

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A36-07734	STOCKWATER	HOLSTEIN DAIRY INVESTMENT GROU	01-01 TO 12-31	1.000 CFS	59.00 AF/A
A36-07734	DOMESTIC	HOLSTEIN DAIRY INVESTMENT GROU	01-01 TO 12-31	.100 CFS	4.80 AF/A
A36-07250	STOCKWATER	HOLSTEIN DAIRY INVESTMENT GROU	01-01 TO 12-31	.250 CFS	40.00 AF/A
A36-07250	COMMERCIAL	HOLSTEIN DAIRY INVESTMENT GROU	01-01 TO 12-31	.250 CFS	180.70 AF/A
A36-07250	DOMESTIC	HOLSTEIN DAIRY INVESTMENT GROU	01-01 TO 12-31	.060 CFS	2.40 AF/A

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES 30 x 0.02 CFS/ACRE = .6 CFS
(Taken from p/u review)

1b. CALCULATIONS

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y() N(☒)

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N() ***

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 90.0 AE/A

ACRES 30 x CONSUMPTIVE VOL. AE/A FOR AREA 3 =

TOTAL CONSUMPTIVE USE 90 AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = 183.80 AE/A

ACRES 30 x DIVERSION VOL. AE/A FOR AREA 4 =

TOTAL DIVERSION VOLUME 120 AE/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y(☒) N()

REMARKS: (Include limitations on CONSUMPTIVE USE for combined rights.)

A36-07250 also used for stock

* see amts. licensed + claimed.

limited to 1" per acre when cw also used.

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RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD		REC. DIV		REC. DIV		REC. CONS.	
	FROM	TO	RATE	CFS	VOL.	AF/A	USE	
IRRIGATION	03-15	11-15	DATABASE	EXAMINER	DATABASE	EXAMINER	DATABASE	EXAMINER
STOCKWATER	01-01	12-31	0.600	<u>✓</u>	120.00	<u>✓</u>	90.0	<u>99</u>
DOMESTIC	01-01	12-31	1.000	<u>✓</u>	59.00	<u>✓</u>		
			0.100	<u>✓</u>	4.80	<u>✓</u>		
TOTAL FOR THIS RIGHT			1.000		183.80			

REVIEWED BY:

W

DATE:

10/26/90

Stockwater $1500 \times \frac{35}{7.5} \times \frac{365}{43560} \approx 58.65 \text{ AFA}$

Domestic $4 \times 1.2 \text{ AFA} = 4.8 \text{ AFA}$

Irrigation $30 \text{ ac} \times 4 = 120 \text{ AFA}$ Div Vol.
 $30 \text{ ac} \times 3 = 90 \text{ AFA}$ Cons. Vol.

Commercial (Dairy Waste Water) Used + included in irrigation Cons Use

Milk Cons. Use = $1500(0.06) = 9 \text{ AFA}$.

RVW 3/3/92

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FORFEIT/ABANDON
ADDITIONAL DIV. AMOUNTACCEPTED
AS CLAIMEDNEEDS
REVIEW()
N/A
()()
()
()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 36-07734

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
1.000EXAMINER
N/A

CFS

SPLITS:

OLD RIGHT
NUMBERSCURRENT
CLAIM NUMBERSDIVERSION
RATECURRENT "R"
CLAIM NUM."R" DIV.
RATEWR RIGHT
NUMBERSDIVERSION
RATE

A36-07734

1.000

-

36-07734

1.000

TOTAL CFS

1.000

1.000

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, is the written review sheet attached? (Y/N)DATABASE
YFIELD
EXAMINER
N/A

REMARKS:

AUTHENTICATION:

SIGNATURE: in

NAME OF FIELD EXAMINER: _____

DATE: 10/26/90

TITLE: _____

R.V. 28
3/3/92MICROFILMED
FEB 04 1993

FILE NUMBER ----- 36-07734
REVIEWER ----- RVW 4/22/92

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE ----- 1200
NUMBER OF NONMILKING CATTLE ----- 300
IF LAGOON IS AEROBIC, ENTER ITS SURFACE AREA IN ACRES;
IF ANAEROBIC, ENTER ZERO ----- 0.0
EVAPOTRANSPIRATION FACTOR FOR AREA (AC-FT/AC-YR) ----- 4
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC, OR 3 IF
SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS -
NUMBER OF MILKINGS PER DAY ----- 3

CALCULATIONS

DIVERSION RATE FOR STOCKWATER (CFS):

MILKING CATTLE (NUMBER OF CATTLE ROUNDED UP) * --- 0.78
MILKING CATTLE @35 GPD/HD ----- 0.78
NONMILKING CATTLE (NUMBER OF CATTLE ROUNDED UP) * --- 0.07
NONMILKING CATTLE @12 GPD/HD ----- 0.07
TOTAL (BASED UPON ROUNDED NUMBERS) ----- 0.85

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE (NUMBER OF CATTLE ROUNDED UP) * --- 48.0
MILKING CATTLE @35 GPD/HD ----- 47.0
NONMILKING CATTLE (NUMBER OF CATTLE ROUNDED UP) * --- 4.0
NONMILKING CATTLE @12 GPD/HD ----- 4.0
TOTAL (BASED UPON ROUNDED NUMBERS) ----- 52.0

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT ----- 0.5
PARLOR FLOOR AND MILKHOUSE FLOOR ----- 0.1
CATTLE WASHING BASED UPON METHOD OF WASHING ----- 18.1
TOTAL ----- 18.8

TOTAL DIVERSION VOLUME ----- 70.8

CONSUMPTIVE USE VOLUME (AFA):

STOCKWATER
MILKING ----- 7.0
NONMILKING ----- 0.0
TOTAL ----- 7.0
COMMERCIAL ----- 0.0
TOTAL CONSUMPTIVE USE ----- 7.0

* NUMBER OF CATTLE ROUNDED UP TO AGREE WITH EXISTING TABLES.

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3
PUMP HORSEPOWER (HP) -----	25.00	50.00	0.00
LIFT (FT) -----	142	142	0
DISCHARGE PRESSURE (PSI) -----	20	20	0
FRICTION LOSSES (FT) -----	3.0	5.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) * -----	0.82	1.59	0.00
DIVERSION VOLUME (AFA) ** -----	592.4	1154.2	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 CONTINUOUSLY EVERY
DAY OF THE YEAR.

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