

Page 1 of 6STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESTransfer No. 71099APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1Name of applicant Cannon Shelley Property Limited Partnership Phone 208 357 7030Post Office address 1470N 750E Shelley, ID 83274New office Address709-1820

A. PURPOSE OF TRANSFER

1. ☒ Change point of diversion ☐ Add diversion point ☐ Change place of use
☒ Change nature of use ☒ Change period of use ☐ Other Split Right
2. Describe the reason for the proposed changes To provide ground water for a new dairy by drying up irrigated acres

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Right Number Priority Amount (cfs/ac-ft) Nature of Use Period of Use
- | Right Number | Priority | Amount (cfs/ac-ft) | Nature of Use | Period of Use |
|--------------|----------|--------------------|---------------|---------------|
| 35-2452B | 2/8/1956 | 1.33/205.4* | Stock/comm. | 1-1 to 12-31 |
| | | | | to |
| | | | | to |
| | | | | to |
2. Total amount of water being transferred _____ cubic feet per second and/or _____ acre-feet per annum.
3. Source of water Ground Water tributary to _____
4. Point(s) of Diversion: *Based on CIR of 2.60 af/acre(Alfalfa) on 79 acres.

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	2	NW	NE	5	3N	37E	Bonneville	Dairy well #1
	2	SW NW	NE	5	3N	37E	Bonneville	Dairy Well #2

5. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3N	37E	4	C	C	C	C	C	C	C	C									
		5	C, S	C, S	C	C	C	C	C	C									
			DAIRY POU																

PART 1

6. General Information:

- a. Description of diversion system Wells and pipelines
- b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?
☒ Yes ☐ No. If yes, provide a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes.
- c. Describe the effect on the land now irrigated if the place of use is changed pursuant to this transfer:
Lands now irrigated will no longer be irrigated but will be used for dairy facilities, corrals and forage storage.
- d. Remarks:

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____
And said application is hereby _____, subject to the following limitations and conditions:

Witness my hand this _____ day of _____, 19 _____.

Page 3 of 6Transfer No. 71099

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

(Attach one copy for each right)

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:

- a. Decree No. 35-2452 Decreed to Cannon Shelley Property Limited Partnership
in case of SRBA vs. _____
dated Jan 31, 2002 in _____ county of _____
- b. License No. _____ issued by the Idaho Department of Water Resources.
- c. Claim No. _____ on file with the Idaho Department of Water Resources.
- d. Transfer No. _____ which produced this right.

2. Attach a copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. check appropriate box below.

☒ Tax notice ☐ Warranty Deed ☐ Other _____

3. Source of water Ground Water tributary to _____

4. Date of priority 2/8/1956

5. Water is used for the following purpose:

Amount 5.32/1264 for Irrigation purposes from 4-1 to 10-31
(cfs/ac-ft)
Amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)
Amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

6. Total amount of water under right 5.32 cubic feet per second and/or 1264 acre-feet per annum.

7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SE	NE	NW	5	3N	37E	Bonneville	

8. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3N	37E	5	39	39	40	40	39	39	40	40									316
			1	2			3	4											

Total acres 316

9. Describe any other water rights used for the same purpose as described above None

T71099

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of non-use?

No

If yes, describe

B. DESCRIPTION OF PORTION OF RIGHT BEING TRANSFERRED

(if the entire right is to be changed by the applicant, omit part B and C)

1. Amount 1.33/205.4* for Stock/comm. purposes from 1-1 to 12-31
(cfs/ac-ft)
Amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)
Amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SE	NE	NW	5	3N	37E	Bonneville	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3N	37E	5		39	40														79

Total acres 79

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT (omit if there is no change)

1. Amount 3.99/948 for Irrigation purposes from 4-1 to 10-31
(cfs/ac-ft)
Amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)
Amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SE	NE	NW	5	3N	37E	Bonneville	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3N	37E	5	39			40	39	39	40	40									237

Total acres 237

PART 3**B. CHANGES IN NATURE OF USE**

- | <u>New Nature of Use</u> | <u>Amount</u>
(cfs/ac-ft) | <u>Hours/days/year</u> | <u>Period of Use</u> |
|--------------------------|------------------------------|------------------------|----------------------------|
| <u>Stock/comm.</u> | <u>1.33/205.4</u> | <u>as needed</u> | <u>1-1</u> to <u>12-31</u> |
| | | | to |
- Quantity and quality of return flows and location of discharge:

- Describe the effects on other water uses resulting from the proposed change:

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge.

I understand that any willful misrepresentations made in this application may result in voiding its approval.

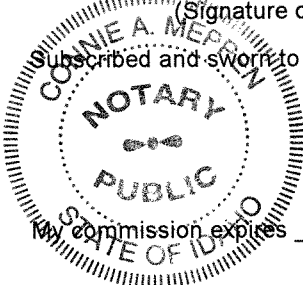
Alan M Cannon
 (Signature of Applicant)

Seth A. Cannon
 (Signature of Applicant)

Subscribed and sworn to before me this 08 day of March, 192004

Connie Meppner
 (Notary Public)

My commission expires 12-01-04


FOR DEPARTMENT USE ONLYE029596Transfer contains 6 pages and _____ attachmentsReceived by JC Date 3-8-04 Protest filed by _____Prelim. check by _____ Fee \$290- _____Receipted by JC Date 3-8-04 _____Published in Post Register Copies of protest forwarded by _____

Pub. dates _____ Hearing held by _____ Date _____

Watermaster recommendation requested on _____ Recommended for ☐ Approval ☐ Denial

_____ rec'd. _____ by _____

Copy of transfer sent to lien holder _____

T71099

DISTRICT COURT-SRBA
TWIN FALLS CO., IDAHO
FILED _____

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

Case No. 39576

ORDER OF PARTIAL DECREE

For Water Right 35-02452

On November 13, 2001, a ***Special Master's Report and Recommendation*** was filed for the above water right. No Challenges were filed to the ***Special Master's Report and Recommendation*** and the time for filing Challenges has now expired.

Pursuant to I.R.C.P. 53(e)(2) and **SRBA Administrative Order 1**, Section 13f, this Court has reviewed the Findings of Fact and Conclusions of Law contained in the **Special Master's Report** and wholly adopts them as its own.

Therefore, IT IS ORDERED that water right 35-02452 is hereby **decreed** as set forth in the attached ***Partial Decree Pursuant to I.R.C.P. 54(b)***.

DATED January 31, 2002.

Roger Burdick

ROGER S. BURDICK
Presiding Judge
Snake River Basin Adjudication

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

In Re SRBA

Case No. 39576

PARTIAL DECREE PURSUANT TO
I.R.C.P. 54(b) FOR

Water Right 35-02452

DISTRICT COURT-SRBA
Fifth Judicial District
County of Twin Falls - State of Idaho

JAN 31 2002

By _____ Clerk
Deputy Clerk

NAME AND ADDRESS:

ARLENE P CANNON
PETER M CANNON
2001 S WOODRUFF STE 4
IDAHO FALLS, ID 83401

SOURCE:

GROUNDWATER

QUANTITY:

5.32 CFS
1264.00 AFY

PRIORITY DATE:

02/08/1956

POINT OF DIVERSION:

T03N R37E S05

SENENW

Within Bonneville County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE
Irrigation

PERIOD OF USE
04-01 TO 10-31

QUANTITY
5.32 CFS
1264.00 AFY

PLACE OF USE:

Irrigation

T03N R37E S05 LOT 01 (NENE) 39.0
SWNE 40.0
LOT 03 (NENW) 39.0
SWNW 40.0

Within Bonneville County
LOT 02 (NWNE) 39.0
SENE 40.0
LOT 04 (NWNW) 39.0
SENW 40.0

316.0 Acres Total

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS
NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT
ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY
DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE
ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).

RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.

Roger Burdick

Roger Burdick
Presiding Judge of the
Snake River Basin Adjudication

3/
2002 JAN 28 PM 02:00
DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO
FILED _____

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

In Re SRBA)

Case No. 39576)
_____)

CERTIFICATE OF MAILING

Water Right(s): 35-02452

CERTIFICATE OF MAILING

I certify that a true and correct copy of the PARTIAL DECREE
PURSUANT TO I.R.C.P. 54(b) for WATER RIGHT 35-02452 was mailed
on January 25, 2002, with sufficient first-class postage prepaid
to the following:

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

ABERDEEN-AMERICAN FALL GROUND
ABERDEEN-AMERICAN FALLS GROUND
BINGHAM GROUND WATER DIST.
BINGHAM GROUND WATER DISTRICT
UPPER VALLEY IRRIGATORS ASSOC
UPPER VALLEY IRRIGATORS ASSOC.

Represented by:
JEFFREY C. FEREDAY
PO BOX 2720
BOISE, ID 83701-2720
Phone: 208-388-1200

FREMONT-MADISON IRR DIST

Represented by:
JERRY R. RIGBY
PO BOX 250
REXBURG, ID 83440-0250
Phone: 208-356-3633

CERTIFICATE OF MAILING

T 71099
ATTACHMENT 3 OF 54

STATE OF IDAHO
Represented by:
NATURAL RESOURCES DIV CHIEF
STATE OF IDAHO
ATTORNEY GENERAL'S OFFICE
PO BOX 44449
BOISE, ID 83711-4449

ARLENE P CANNON
PETER M CANNON
2001 S WOODRUFF STE 4
IDAHO FALLS, ID 83401

DIANA DELANEY
Chief Deputy Clerk

CERTIFICATE OF MAILING

ATTACHMENT T 71099
4 OF 54 2
'02

Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

Copyright 1998 by Brockway Engineering, PLLC

The information, data, or computational procedures herein may not be duplicated without the express written consent of Brockway Engineering.

COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Cannon Dairy (New)
Bonneville County Line

Revision: 9801
Run Date: 2/26/04

Remarks: N1/2 Sec 4 and N1/2 Sec 5 T 3N 37E 35-2452 35-13293
Numbers based on NMP and Seth Cannon conf 2/26/2004

Herd Information - User Input

Number of milking cows 4000
Number of dry cows 1000
Number of other adult dry animals 0
5000

Breed: Large

Calves at age:
1 month 250
2 months 250
3 months 750
4 months 750
2000

Heifers at age:
5 months 600
15 - 18 months 1100
18 - 24 months 600
2300

ANIMAL INFORMATION

Use defaults or enter values if known

Average body weight 1400 lbs
Milk fat percentage 3.5 %
Average days dry 60
Annual milk yield per animal 21000 lbs/year
Percent dry matter in ration 90 %

Nearest weather station Idaho Falls
Number of milkings/day 3

Check: Total herd size based on days dry 6083
HERD SIZE NOT CONSISTENT WITH DAYS DRY

Lagoon Information - User Input

Lagoon Number	Top width	Top length	SS (h:v)	Max depth	Average depth factor	% days with water	Top Area	Bottom Area	Average Area
1	400	525	2	8	0.5	100	210000	195456	202728
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
TOTAL ACRES							4.82	4.49	4.65

Facility Information - User Input

	Holding Pen 1	Holding Pen 2
Holding pen active	0	0 (0 = not used or nonexistent)
Number of sprinklers in pen	140	0
Average line pressure	40	60 psi
Sprinkler nozzle size - primary	5/32	5/32 inches
Sprinkler nozzle size - secondary	3/32	0 (enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	24	0 minutes
Percent of days per year cows are washed	100	0 %

Number of free stalls	0
Length of each free stall	1000 feet
Width of each free stall	50 feet

Is the feeding area flushed to lagoon?
Is this housing area flushed to lagoon?

No
Yes

	Barn	Feeding	Housing
Flushing recycle rate	0	0	0

CLEANING / FLUSHING VOLUMES

Use defaults or enter manufacturer volumes

Cleaning parlor floor	3000 gal	Cleaning pipeline	400 gal
Cleaning milkroom	200 gal	Cleaning equipment	200 gal
Cleaning bulk tank	200 gal		
Additional flush of holding pen (opt.)	0 gal		

Land Application Information - User Input

Type of system
Predominant cropping

Center Pivot
Alfalfa

Percent of waste water which goes
to meet crop irrigation requirement

90 %

Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	19425 lbs/year
Daily average FCM yield	63.69 lbs/day
Daily average milk yield	68.85 lbs/day
Estimated DMI	46.95 lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	277.1 lbs/day or 33.2 gal/day
As-fed feed daily intake	52.2 as-fed lb/day
Water content of feed	5.22 lb/day in feed
Drinking water intake	271.9 lb/day or 32.6 gal/day
Drinking water requirement for lactating cows	130399 gal/day 146.1 ac-ft/year

METHOD 2: Holter and Urban

Regression equation with DMI, milk production, and dry matter %

Drinking water intake	99.5 liters/day 26.3 gal/day
	105180 gal/day 117.8 ac-ft/year

Maximum drinking water requirement 146.1 ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	26.6 lbs/day
Average drinking water intake	13 gal/day

Average drinking water requirement 13000 gal/day
14.6 ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	413	0.46
2 mo	488	0.55
3 mo	1838	2.06
4 mo	2438	2.73
5 mo	2520	2.82
15-18 mo	7150	8.01
18-24 mo	5070	5.68

Drinking water requirement
for replacement herd 19915 gpd 22.31 ac-ft/year

TOTAL STOCKWATER COMPONENT 182.9 AC-FT/YEAR

Commercial Component

Milking Parlor Water Usage Calculation

Volume needed *per milking* in each parlor for:

Cleaning parlor floor	3000 gal	Cleaning pipeline	400 gal
Cleaning milkroom	200 gal	Cleaning equipment	200 gal
Cleaning bulk tank	200 gal	Cleaning cows	2000 gal

Total milking parlor volume	18000 gal/day
Second milking parlor volume	0 gal/day
Recycled water	0 gal/day
	20.16 ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2
Output of primary nozzle	4.49	5.5 gpm
Output of secondary nozzle	1.61	0 gpm
Holding pen flushing volume	0	0 gal
Additional flush volume	0	0 gal
Sprinkler volume	0	0 gal/day
Total holding pen volume	0	0 gal/day
Recycled water	0	0 gal/day

0.00 ac-ft/year

Other Flushing Water Calculation

Daily volume needed for:

Feeding area flushing	0 gal/day
Housing area flushing	2000 gal/day

Total other flushing volume	2000 gal/day
Recycled water	0
	2.24 ac-ft/year

TOTAL COMMERCIAL COMPONENT 22.4 AC-FT/YEAR

Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.15 feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90	
Annual open water (lagoon) evaporation	3.73 feet	
Manual override: Input annual lagoon evap		feet
Total lagoon water surface area at full	210000 sq. ft.	
Total lagoon bottom area	195456 sq. ft.	
Average surface area when water is present	202728 sq. ft. =	4.65 ac
Total lagoon evaporation		17.37 ac-ft/year

B. Animal usage: milk, metabolism, and excretion loss

	Milking	Dry
Waste excretion volume per cow	1.3	1.3 ft ³ /day/1000lb
Water content	87.5	88.4 %
Total water volume in excrement	47648	12034 gal/day
Percent of excrement flushed to lagoons	60 %	(based on areas which are flushed)
Consumptive use (evap.) of water in excrement	40 %	
Consumptive use (evap.) volume	23873 gal/day	
Excrement c.u. attributable to drinking water	23423 gal/day	
Total milk production - assume 100% leaves site	275410 lbs/day or	33023 gal/day
Water content of milk	28730 gal/day	
Water content attributable to drinking water	28189 gal/day	
Water use for animal metabolism	57490 gal/day	
Metabolism water attributable to drinking water	56407 gal/day	
Consumptive use - replacement herd (100%)	19915 gal/day	
Total animal consumptive use from drinking water	127935 gal/day or	143.3 ac-ft/year
Percent of drinking water intake	89.2 %	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2 %	
Free stall total area	0 sq. ft. =	0.00 acres
Length of time free stall concrete is wet	1 hr/day	
Average evaporation from wet concrete	0.15 in./day	
Sprinkler system loss volume	0.00 ac-ft/year	
Free stall evaporation volume	0.00 ac-ft/year	
Total cleanup loss		0.00 ac-ft/year

D. Land application site

Crop evapotranspiration	3.04 ac-ft/ac/year
Irrigation diversion volume	3.80 ac-ft/ac/year
System efficiency	80 %
Waste water volume to lagoons	62.0 ac-ft/year
Waste water volume available for land application	44.7 ac-ft/year

T 71099
9 OF 59

32.2 ac-ft/year

Drinking Water

Commercial

TOTAL DIVERSION VOLUME REQUIREMENT	205.4 AC-FT/YR
IDWR allowable CIR for historical crop dist.=	2.6 af/a<<<<<<<<
Number of acres equivalent	79.0 acres<<<<<<<<

Consumptive Use

Total consumptive use	192.8 ac-ft/year
-----------------------	------------------

Percent of diversion volume consumed	93.9 %
--------------------------------------	--------

Annual crop consumptive use - IDWR allowable 3.0 afa

Equivalent irrigated acres	64.3 acres
----------------------------	------------

Diversion volume to acres conversion factor 3.19 ac-ft/ac

FILE NUMBER Cannon New Dairy
REVIEWER CEB
DATE March 5, 2004

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 4000
NUMBER OF DRY CATTLE 1000
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS 800
3-4 MONTHS 700
5-8 MONTHS 700
9-12 MONTHS 700
13-15 MONTHS 700
16-24 MONTHS 700
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 0
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 5.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) 20
NUMBER OF MILKINGS PER DAY 3
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 70
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? n
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN?
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN?
IF ONLY ONE PUMP: HOW MANY TOTAL HOURS PER DAY DOES IT RUN? 12.0
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? N
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN, ASSUME 1 MISTER FOR EVERY 5 COWS) 400
NOZZLE DISCHARGE (USE 5 GPH IF UNKNOWN) 5.00
SPRAY INTERVAL (EX: 2 MIN ON EVERY 5 MIN = 2/5) 2/5
OPERATION TIME OF MISTERS (HRS/DAY) 10
DAYS PER YEAR MISTERS ARE USED 45
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) ****
DRY CATTLE @17.0 GPD/HD ****
REPLACEMENT CATTLE ****
TOTAL 0.57

COMMERCIAL
TOTAL 0.57

TOTAL DIVERSION RATE 0.57

DIVERSION VOLUME (AFA):

STOCKWATER
MILKING CATTLE 129.0
DRY CATTLE 15.1
REPLACEMENT CATTLE 28.6
TOTAL 172.7

COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.6
BACKFLUSH 6.7
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 3.0
CATTLE WASHING BASED UPON METHOD OF WASHING 0.0
PLATE COOLER 0.0
CORRAL MISTERS 0.0
MISCELLANEOUS USES 0.0
TOTAL 10.3

TOTAL DIVERSION VOLUME 183.0

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

STOCKWATER 172.7
COMMERCIAL 10.3
TOTAL CONSUMPTIVE USE 183.0

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	25.00		0.00	0.00	0.00
PUMP EFFICIENCY (%)	70		70	70	70
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

* 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	28.5 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	45.8 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	61.0 ACRES

PROJECT: Cannon Dairy(new) Idaho Falls Water Rights Transfer

Water Requirements
ET from Brockway and Allen (1983)
Proposed Irrigated Acres 79 FSA show the field (2A) from which transfer is to be made was planted to alfalfa in 1997
Irrigation Method Sprinkler Irrigation Efficiency % 80
Proposed Crop Distribution and IR
Station Consumptive Use from Allen and Brockway 1983 Station: Idaho Falls FAA AP Import from U of I, Kimberly
Monthly average daily (mm/day) and Seasonal Totals (mm) Project Consumptive Use and Irrigation Requirement by Crop

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total mm/yr	Mar acre ft	Apr acre ft	May acre ft	Jun acre ft	Jul acre ft	Aug acre ft	Sep acre ft	Oct acre ft	Total annual af	Percent crop	Weighted Avg Annual
ETr																				
MEAN ETr	1.32	4.35	6.07	7.43	8	6.33	4.73	3.03	1264	10.6	33.8	48.8	57.8	64.3	50.9	36.8	24.3	327.2	4.1	
STDV ETr	0.54	0.54	0.53	0.49	0.26	0.3	0.41	0.35	48											
AlfalfaHay																			100	234.7
MEAN CU		2.14	5.6	6.53	6.53	4.77	3.04	0.98	906	0.0	16.6	45.0	50.8	52.5	38.3	23.6	7.9	234.7	3.0	
MEAN IR		1.67	4.83	5.57	6.18	4.39	2.61	0.62	792	0.0	13.0	38.8	43.3	49.7	35.3	20.3	5.0	205.3	2.6	205.3
STDEV CU		0.27	0.48	0.43	0.22	0.22	0.27	0.11	32											
STDEV IR		0.54	0.69	0.9	0.46	0.48	0.6	0.41	56											
Silage Corn																			0	0.0
MEAN CU			1.82	2.4	6.02	5.99	3.97		620	0.0	0.0	14.6	18.7	48.4	48.1	30.9	0.0	160.7	2.0	0.0
MEAN IR			1.25	1.7	5.69	5.59	3.53		545	0.0	0.0	10.0	13.2	45.7	44.9	27.4	0.0	141.3	1.8	0.0
STDEV CU			0.16	0.16	0.2	0.28	0.35		19											
STDEV IR			0.38	0.56	0.42	0.53	0.66		39											
Peas																			0	0.0
MEAN CU		1.31	2.63	6.31	3.72	1.02			458	0.0	10.2	21.1	49.1	29.9	8.2	0.0	0.0	118.5	1.5	0.0
MEAN IR		0.91	2.07	5.48	3.47	0.76			388	0.0	7.1	16.6	42.6	27.9	6.1	0.0	0.0	100.3	1.3	0.0
STDEV CU		0.16	0.23	0.41	0.12	0.05			19											
STDEV IR		0.41	0.41	0.81	0.32	0.28			39											
Potatoes																			0	0.0
MEAN CU			1.83	4.37	6.71	5	3.01		642	0.0	0.0	14.7	34.0	53.9	40.2	23.4	0.0	166.2	2.1	0.0
MEAN IR			1.38	3.76	6.44	4.72	2.69		583	0.0	0.0	11.1	29.2	51.7	37.9	20.9	0.0	150.9	1.9	0.0
STDEV CU			0.16	0.29	0.22	0.24	0.26		20											
STDEV IR			0.31	0.59	0.38	0.41	0.49		34											
Sugar Beets																			0	0.0
MEAN CU		1.31	1.82	2.65	6.86	6.29	4.28	2.21	780	0.0	10.2	14.6	20.6	55.1	50.5	33.3	17.8	202.1	2.6	0.0
MEAN IR		0.87	1.24	1.92	6.5	5.88	3.82	1.83	677	0.0	6.8	10.0	14.9	52.2	47.2	29.7	14.7	175.5	2.2	0.0
STDEV CU		0.16	0.16	0.17	0.23	0.3	0.37	0.25	24											
STDEV IR		0.44	0.38	0.59	0.46	0.55	0.7	0.52	49											
Spring Grain																			0	0.0
MEAN CU		1.31	2.88	7.13	7.91	2.86			677	0.0	10.2	23.1	55.4	63.6	23.0	0.0	0.0	175.3	2.2	0.0
MEAN IR		0.92	2.33	6.28	7.57	2.57			604	0.0	7.2	18.7	48.8	60.8	20.6	0.0	0.0	156.2	2.0	0.0
STDEV CU		0.16	0.25	0.47	0.26	0.13			24											
STDEV IR		0.4	0.42	0.87	0.46	0.34			44											
Winter Grain																			0	0.0
MEAN CU	0.43	3.25	6.01	7.43	7.83	2.26			833	3.5	25.3	48.3	57.8	62.9	18.2	0.0	0.0	215.9	2.7	0.0
MEAN IR	0.11	2.78	5.27	6.49	7.47	1.96			739	0.9	21.6	42.3	50.5	60.0	15.7	0.0	0.0	191.1	2.4	0.0
STDEV CU	0.18	0.4	0.52	0.49	0.26	0.11			34											
STDEV IR	0.27	0.65	0.7	0.93	0.48	0.34			56											
Pasture																			0	0.0
MEAN CU		2.28	4.67	5.72	6.16	4.87	3.64	2.33	909	0.0	17.7	37.5	44.5	49.5	39.1	28.3	18.7	235.4	3.0	0.0
MEAN IR		1.83	3.98	4.85	5.83	4.5	3.21	1.95	801	0.0	14.2	32.0	37.7	46.8	36.2	25.0	15.7	207.5	2.6	0.0
STDEV CU		0.28	0.4	0.37	0.2	0.23	0.32	0.27	31											
STDEV IR		0.55	0.59	0.81	0.43	0.47	0.63	0.52	55											

Total %	100
Weighted Avg Annual	
CU Total	acre ft 234.7
IR Total	acre ft 205.3
CU af/ac	2.97
IR af/ac	2.60

Weighted Monthly CU and IR									
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
	acre f	acre f	acre f	acre f	acre f	acre f	acre f	acre f	annual
AlfalfaHay									
CU	0	16.6	45	50.8	52.5	38.3	23.6	7.87	234.7
IR	0	13	38.8	43.3	49.7	35.3	20.3	4.98	205.3
Silage Corn									
CU	0	0	0	0	0	0	0	0	0
IR	0	0	0	0	0	0	0	0	0
Peas									
CU	0	0	0	0	0	0	0	0	0

	IR	0	0	0	0	0	0	0	0	0
Potatoes	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
Sugar Beets	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
Spring Grain	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
Winter Grain	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
Pasture	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
	0									
	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
	0									
	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
	0									
	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
	0									
	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0
	0									
	CU	0	0	0	0	0	0	0	0	0
	IR	0	0	0	0	0	0	0	0	0

Project Monthly CU and IR

CU	0	16.6	45	50.8	52.5	38.3	23.6	7.87	234.7	ac ft
IR	0	13	38.8	43.3	49.7	35.3	20.3	4.98	205.3	ac.ft

Project Monthly Diversion Req'ts Application Efficiency = 80 Percent

Based on CU	0	20.8	56.2	63.5	65.6	47.9	29.5	9.84	293.4	ac ft	3.714	af/a
Based on IR	0	16.2	48.5	54.1	62.1	44.1	25.4	6.23	256.6	ac ft	3.249	af/a

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1996

FARM NUMBER: 776

FARM AND TRACT DETAIL LISTING

DATE:

Operator Name and Address

ID

Original: _____

ALLAN E KOLBET
1254 S SKYLINE DR
IDAHO FALLS, ID

4264

Revision: _____

83402-4845

Cropland: 677.3

Farmland: 722.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	PltPr FCIC	Prod Share	Prod ID
0		Ni	BARLY	SPR			.00					1.0000	4264
		Ni	WHEAT	SWS			.00					1.0000	4264
		Crop BARLY		Nirr .0	Irr	Crop WHEAT		Nirr .0	Irr				
		Photo Number/Legal Description: None											
		Cropland:		.0	Reported:		.0	Difference:		.0	Reported D,B,S,R,A:		.0
1059	1	Ir	GRASS	OTH	Graze	CUPCP	11.70			I		1.0000	4264
		NO CROPS ON TRACT SUMMARY											
		Photo Number/Legal Description: *0-6 SEC23 T-2-N R-37-E 0 H-4											
		Cropland:		11.7	Reported:		11.7	Difference:		.0	Reported D,B,S,R,A:		.0
1060	1	Ir	WHEAT	SWS	Grain		158.00			I	2	1.0000	4264
	2A	Ir	ALFAL		Hay	CUPCP	80.20			I	2	1.0000	4264
	2B	Ir	PTATO	GRA	Fresh	S FAV	75.00			I	2	1.0000	4264
	2C	Ir	WHEAT	SWS	Grain		3.00			I	2	1.0000	4264
	3A	Ir	WHEAT	SWS	Grain		3.00			I	2	1.0000	4264
	3B	Ir	PTATO	GRA	Fresh	S FAV	36.00			I	2	1.0000	4264
	3C	Ir	BARLY	SPR	Grain		116.60			I	2	1.0000	4264
	3D	Ir	ALFAL		Hay	CUPCP	3.00			I	2	1.0000	4264
	4A	Ir	ALFAL		Hay	CUPCP	2.00			I	2	1.0000	4264
	4B	Ir	ALFAL		Hay	CUPCP	3.00			I	2	1.0000	4264
	4C	Ir	PTATO	GRA	Fresh	S FAV	82.00			I	2	1.0000	4264
	4D	Ir	DPEAS	WSD	Seed	S FAV	45.00			I	2	1.0000	4264
	4E	Ir	BEANS	GAR	Seed	S FAV	18.00			I	2	1.0000	4264
	5	Ir	PTATO	GRA	Fresh	S FAV	38.80			I	2	1.0000	4264
	3E	Ir	ALFAL		Hay	CUPCP	2.00			I	2	1.0000	4264
		Crop BARLY		Nirr	Irr 116.6	Crop OFAY		Nirr 294.8	Irr	Crop WHEAT		Nirr	Irr 164.0

FSA-578 (02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1996

FARM NUMBER: 776

FARM AND TRACT DETAIL LISTING

DATE:

Tract
Number

1060

Photo Number/Legal Description: *M-1

SEC4,5 T-3-N R-37-E 0 H-1,G-1

Cropland: 665.6 Reported: 665.6 Difference: .0 Reported D,B,S,R,A: .0

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1996

FARM NUMBER: 776

FARM SUMMARY

DATE:

Operator Name and Address ID
 ALLAN E KOLBET 4264
 1254 S SKYLINE DR
 IDAHO FALLS, ID 83402-4845

Original: _____
 Revision: _____
 Cropland: 677.3
 Farmland: 722.0

NOTE: The following statements are made in accordance with the Privacy Act of 1974(5 USC 552a). The Agricultural Adjustment Act of 1938, as amended, and the Agricultural Act of 1949, as amended, authorized the collection of the following data. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Acts.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, Ag Box 7630, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0560-0004), Washington, D.C. 20503. RETURN THIS COMPLETED FORM TO YOUR FSA COUNTY OFFICE.

Producer Name	ID	Crop	Share	Crop	Share
ALLAN E KOLBET	4264	WHEAT	1.0000	BARLY	1.0000

Crop	Reported	Determined	Crop	Reported	Determined	Crop	Reported	Determined
ANPC	45.0		BARLY	116.6		CUPCP	101.9	
OFAV	294.8		WHEAT	164.0				

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature _____ Date _____

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1997

FARM NUMBER: 776

FARM AND TRACT DETAIL LISTING

DATE: 02-06-04

Operator Name and Address

ID

Original: _____

ALLAN E KOLBET
1254 S SKYLINE DR
IDAHO FALLS, ID

4264

83402-4845

Revision: _____

Cropland: 677.3

Farmland: 722.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	PltPr FCIC	Prod Share	Prod ID
1059	1	Ir	GRASS	OTH	Graze		11.70			I		1.0000	4264
		Crop		Nirr	Irr								
		GRASS		11.7									
Photo Number/Legal Description: *0-6 SEC23 T-2-N R-37-E 0 H-4													
Cropland: 11.7 Reported: 11.7 Difference: .0 Reported D.B.S.R.A: .0													
1060	1A	Ir	WHEAT	SWS	Grain		60.00			I		1.0000	4264
	1B	Ir	BARLY	SPR	Grain		98.00			I		1.0000	4264
	2A	Ir	ALFAL		Hay		80.20			I		1.0000	4264
	2B	Ir	BARLY	SPR	Grain		78.00			I		1.0000	4264
	3A	Ir	BARLY	SPR	Grain		80.00			I		1.0000	4264
	3B	Ir	PTATO	GRA	Fresh	F FAV	73.60			I		1.0000	4264
	4A	Ir	BARLY	SPR	Grain		82.00			I		1.0000	4264
	4B	Ir	PTATO	GRA	Fresh	F FAV	58.00			I		1.0000	4264
	4C	Ir	ALFAL		Hay		7.00			I		1.0000	4264
	3C	Ir	ALFAL		Hay		7.00			I		1.0000	4264
	5	Ir	BARLY	SPR	Grain		38.80			I		1.0000	4264
	4D	Ir	SUMFL				3.00			I		1.0000	4264
		Crop		Nirr	Irr								
		ALFAL		94.2									
		SUMFL		3.0									
		Crop		Nirr	Irr								
		BARLY											
		WHEAT											
		Crop		Nirr	Irr								
		OFAY											
Photo Number/Legal Description: *M-1 SEC4,5 T-3-N R-37-E 0 H-1,G-1													
Cropland: 665.6 Reported: 665.6 Difference: .0 Reported D.B.S.R.A: .0													

FSA-578 (02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1997

FARM NUMBER: 776

FARM SUMMARY

DATE: 02-06-04

Operator Name and Address ID
ALLAN E KOLBET 4264
1254 S SKYLINE DR
IDAHO FALLS, ID 83402-4845

Original: _____
Revision: _____
Cropland: 677.3
Farmland: 722.0

NOTE: The following statements are made in accordance with the Privacy Act of 1974(5 USC 552a). The Agricultural Adjustment Act of 1938, as amended, and the Agricultural Act of 1949, as amended, authorized the collection of the following data. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Acts. Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, Ag Box 7630, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0560-0004), Washington, D.C. 20503. RETURN THIS COMPLETED FORM TO YOUR FSA COUNTY OFFICE.

Producer Name	ID	Crop	Share	Crop	Share
ALLAN E KOLBET	4264	WHEAT	1.0000	BARLY	1.0000

Crop	Reported	Determined	Crop	Reported	Determined	Crop	Reported	Determined
ALFAL	94.2		BARLY	376.8		GRASS	11.7	
OFAY	131.6		SUMFL	3.0		WHEAT	60.0	

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature _____ Date _____

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2003

FARM NUMBER: 3475

FARM AND TRACT DETAIL LISTING

DATE: 01-26-2004

Operator Name and Address ID
 KELLEY & SONS PTR 9523
 6832 W 81ST S
 IDAHO FALLS, ID 83402-5758

Original: _____
 Revision: _____
 Cropland: 1,251.1
 Farmland: 1,297.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Prod Share	Prod ID	RMA Unit	Opt Unit
2753	1	Ir	BARLY	SPR	Grain		158.30			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated
 BARLY SPR I GR 158.3

Photo Number/Legal Description: *L-1 T4N R36E SEC 36 JEFFERSON CO 0 G-1

Cropland: 158.3 Reported: 158.3 Difference: .0 Reported D,S,R: .0

2754	4A	Ir	CRP		1		9.70			I	1.0000	9911		
	1	Ir	BARLY	SPR	Grain		33.00			I	.5000	9911		
											.5000	9523		
	3	Ir	BARLY	SPR	Grain		37.70			I	.5000	9911		
											.5000	9523		
	2A	Ir	BARLY	SPR	Grain		79.70			I	.5000	9911		
											.5000	9523		
	2B	Ir	PTATO	RUS	Fresh	F FAV	79.60			I	.5000	9911		
											.5000	9523		
	5B	Ir	PTATO	RUS	Fresh	F FAV	80.60			I	.5000	9911		
											.5000	9523		
	5A	Ir	BARLY	SPR	Grain		80.60			I	.5000	9911		
											.5000	9523		
	4	Ir	FALOW				68.40			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated
 BARLY SPR I GR 231.0 CRP I 1 9.7 FALOW I 68.4
 OFAV I .0 PTATO RUS I FH 160.2

Photo Number/Legal Description: *L-1 T3N R36E SEC 1 T3N R37E SEC 6 0 G-1

Cropland: 469.3 Reported: 469.3 Difference: .0 Reported D,S,R: .0

3023	2B	Ir	PTATO	RUS	Fresh	F FAV	79.10			I	.5000	9911		
											.5000	9523		
	4B	Ir	PTATO	RUS	Fresh	F FAV	67.60			I	.5000	9911		
											.5000	9523		
	1	Ir	BARLY	SPR	Grain		158.00			I	1.0000	9911		
	2A	Ir	BARLY	SPR	Grain		79.10			I	1.0000	9911		
	3	Ir	BARLY	SPR	Grain		160.60			I	1.0000	9911		
	4A	Ir	BARLY	SPR	Grain		79.10			I	1.0000	9911		

Tract
Number

3023

Crop Type	Prac	IU	Non-Irrig	Irrigated	Crop Type	Prac	IU	Non-Irrig	Irrigated	Crop Type	Prac	IU	Non-Irrig	Irrigated
BARLY	SPR	I	GR	476.8	OFAV	I			.0	PTATO	RUS	I	FH	146.7

Photo Number/Legal Description: *M-1 N-1 SEC4,5 T-3-N R-37-E

Cropland: 623.5 Reported: 623.5 Difference: .0 Reported D,S,R: .0

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2003

FARM NUMBER: 3475

FARM SUMMARY

DATE: 01-26-2004

Operator Name and Address ID

Original: _____

KELLEY & SONS PTR 9523

Revision: _____

6832 W 81ST S

IDAHO FALLS, ID 83402-5758

Cropland: 1,251.1

Farmland: 1,297.0

NOTE: The authority for collecting the following information is Pub.L 107-76. This authority allows for the collection of information without prior OMB approval mandated by the Paperwork Reduction Act of 1995. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Act.

Producer Name	ID	Crop	Share	Crop	Share	Crop	Share	Crop	Share
PETER M CANNON	9911	PTATO	.5000	BARLY	.7753	CRP	1.0000	FALOW	.5000
KELLEY & SONS PTR	9523	PTATO	.5000	BARLY	.2247	FALOW	.5000		

Crop Type	Prac	IU	Reported	Determined	Crop Type	Prac	IU	Reported	Determined	Crop Type	Prac	IU	Reported	Determined
BARLY SPR	I	GR	866.1		CRP	I	1	9.7		FALOW	I		68.4	
OFAV	I		306.9		PTATO RUS	I	FH	306.9						

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature

Date

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2002

FARM NUMBER: 3475

FARM AND TRACT DETAIL LISTING

DATE: 01-26-2004

Operator Name and Address ID

Original: _____

KELLEY & SONS PTR 9523
6832 W 81ST S
IDAHO FALLS, ID 83402-5758

Revision: _____

Cropland: 1,251.1

Farmland: 1,297.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Prod Share	Prod ID	RMA Unit	Opt Unit
2753	1	Ir	BARLY	SPR	Grain		158.30			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated
BARLY SPR I GR 158.3

Photo Number/Legal Description: *L-1 T4N R36E SEC 36 JEFFERSON CO 0 G-1

Cropland: 158.3 Reported: 158.3 Difference: .0 Reported D.S.R: .0

2754	1	Ir	WHEAT	HAD	Grain		33.00			I	.5000	9911		
											.5000	9523		
	2	Ir	WHEAT	HRS	Grain		159.30			I	.5000	9911		
											.5000	9523		
	3	Ir	WHEAT	HAD	Grain		37.70			I	.5000	9911		
											.5000	9523		
	4	Ir	FALOW				68.40			I	.5000	9911		
											.5000	9523		
	5	Ir	BARLY	SPR	Grain		161.20			I	.5000	9911		
											.5000	9523		
	4A	Ir	CRP		1		9.70			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated
BARLY SPR I GR 161.2 CRP I 1 9.7 FALOW I 68.4
WHEAT HAD I GR 70.7 WHEAT HRS I GR 159.3

Photo Number/Legal Description: *L-1 T3N R36E SEC 1 T3N R37E SEC 6 0 G-1

Cropland: 469.3 Reported: 469.3 Difference: .0 Reported D.S.R: .0

3023	3	Ir	PTATO	RUS	Fresh	F FAV	160.60			I	.5000	9911		
											.5000	9523		
	4	Ir	WHEAT	HRS	Grain		146.70			I	.5000	9911		
											.5000	9523		
	1	Ir	PTATO	RUS	Fresh	F FAV	158.00			I	.5000	9911		
											.5000	9523		
	2	Ir	WHEAT	HRS	Grain		158.20			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated
OFAY I 318.6 PTATO RUS I FH 318.6 WHEAT HRS I GR 304.9

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2002

FARM NUMBER: 3475

FARM AND TRACT DETAIL LISTING

DATE: 01-26-2004

Tract
Number

3023

Photo Number/Legal Description: *M-1 N-1

SEC4,5 T-3-N R-37-E

Cropland:

623.5

Reported:

623.5

Difference:

.0

Reported D,S,R:

.0

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2002

FARM NUMBER: 3475

FARM SUMMARY

DATE: 01-26-2004

Operator Name and Address ID

Original: _____

KELLEY & SONS PTR 9523
 6832 W 81ST S
 IDAHO FALLS, ID 83402-5758

Revision: _____

Cropland: 1,251.1

Farmland: 1,297.0

NOTE: The following statements are made in accordance with the Privacy Act of 1974(5 USC 552a). The Agricultural Adjustment Act of 1938, as amended, and the Agricultural Act of 1949, as amended, authorized the collection of the following data. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Acts.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, Ag Box 7630, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0560-0004), Washington, D.C. 20503. RETURN THIS COMPLETED FORM TO YOUR FSA COUNTY OFFICE.

Producer Name	ID	Crop	Share	Crop	Share	Crop	Share	Crop	Share
PETER M CANNON	9911	WHEAT	.5000	PTATO	.5000	BARLY	.5000	CRP	.5000
		FALOW	.5000						
KELLEY & SONS PTR	9523	WHEAT	.5000	PTATO	.5000	BARLY	.5000	CRP	.5000
		FALOW	.5000						

Crop Type	Prac	IU	Reported	Determined	Crop Type	Prac	IU	Reported	Determined	Crop Type	Prac	IU	Reported	Determined
BARLY SPR	I	GR	319.5		CRP	I	1	9.7		FALOW	I		68.4	
OFAY	I		318.6		PTATO RUS	I	FH	318.6		WHEAT HAD	I	GR	70.7	
WHEAT HRS	I	GR	464.2											

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature

Date

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FSA-578 02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2001

FARM NUMBER: 3302

FARM AND TRACT DETAIL LISTING

DATE: 01-26-2004

Operator Name and Address ID
 KELLEY & SONS PTR 9523
 6832 W 81ST S
 IDAHO FALLS, ID 83402-5758

Original: _____

Revision: _____

Cropland: 1,408.5

Farmland: 1,456.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Prod Share	Prod ID	RMA Unit	Opt Unit
2753	1	Ir	CORN	YEL	Forage		134.30			I	.5000	9911		
											.5000	9523		
	1B	Ir	WHEAT	SWS	Grain		24.00			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated
 CORN YEL I FG 134.3 WHEAT SWS I GR 24.0

Photo Number/Legal Description: *L-1 T4N R36E SEC 36 JEFFERSON CO 0 G-1

Cropland: 158.3 Reported: 158.3 Difference: .0 Reported D.S.R: .0

2754	1	Ir	PTATO	RUS	Fresh	F FAV	33.00			I	.5000	9911		
											.5000	9523		
	2	Ir	CORN	YEL	Forage		153.30			I	.5000	9911		
											.5000	9523		
	2B	Ni	FALOW				6.00			I	.5000	9911		
											.5000	9523		
	3	Ir	PTATO	RUS	Fresh	F FAV	37.70			I	.5000	9911		
											.5000	9523		
	4	Ir	PTATO	RUS	Fresh	F FAV	78.10			I	.5000	9911		
											.5000	9523		
	5	Ir	WHEAT	SWS	Grain		155.20			I	.5000	9911		
											.5000	9523		
	5A	Ni	FALOW				6.00			I	.5000	9911		
											.5000	9523		

Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated Crop Type Prac IU Non-Irrig Irrigated
 CORN YEL I FG 153.3 FALOW N 12.0 OFAV I 148.8
 PTATO RUS I FH 148.8 WHEAT SWS I GR 155.2

Photo Number/Legal Description: *L-1 T3N R36E SEC 1 T3N R37E SEC 6 0 G-1

Cropland: 469.3 Reported: 469.3 Difference: .0 Reported D.S.R: .0

3023	1	Ir	BARLY	SPR	Grain		151.00			I	.5000	9911		
											.5000	9523		
	1B	Ni	FALOW				7.00			I	.5000	9911		
											.5000	9523		
	2	Ir	PTATO	RUS	Fresh	F FAV	154.00			I	.5000	9911		
											.5000	9523		
	2B	Ni	FALOW				4.20			I	.5000	9911		
											.5000	9523		

FSA-57 (02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2001

FARM NUMBER: 3302

FARM AND TRACT DETAIL LISTING

DATE: '01-26-2004

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Prod Share	Prod ID	RMA Unit	Opt Unit
3023	3	Ir	WHEAT	HRS	Grain		154.60			I	.5000	9911		
											.5000	9523		
	3B	Ni	FALLOW				6.00			I	.5000	9911		
											.5000	9523		
	4	Ir	PTATO	RUS	Fresh	F FAV	141.50			I	.5000	9911		
											.5000	9523		
	4A	Ni	FALLOW				5.20			I	.5000	9911		
											.5000	9523		

Crop Type	Prac	IU	Non-Irrig	Irrigated	Crop Type	Prac	IU	Non-Irrig	Irrigated	Crop Type	Prac	IU	Non-Irrig	Irrigated
BARLY SPR	I	GR		151.0	FALLOW	N		22.4		OFAV	I			295.5
PTATO RUS	I	FH		295.5	WHEAT HRS	I	GR		154.6					

Photo Number/Legal Description: *M-1 N-1 SEC4,5 T-3-N R-37-E

Cropland: 623.5 Reported: 623.5 Difference: .0 Reported D,S,R: .0

3034	1	Ni	FALLOW				6.50			I	.5000	9911		
											.5000	9523		
	5	Ir	WHEAT	HRS	Grain		150.90			I	1.0000	9911		

Crop Type	Prac	IU	Non-Irrig	Irrigated	Crop Type	Prac	IU	Non-Irrig	Irrigated
FALLOW	N		6.5		WHEAT HRS	I	GR		150.9

Photo Number/Legal Description: *N-1 T4N R37E SEC 33

Cropland: 157.4 Reported: 157.4 Difference: .0 Reported D,S,R: .0

FSA-57 (02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2001

FARM NUMBER: 3302

FARM SUMMARY

DATE: 01-26-2004

Operator Name and Address ID
 KELLEY & SONS PTR 9523
 6832 W 81ST S
 IDAHO FALLS, ID 83402-5758

Original: _____
 Revision: _____
 Cropland: 1,408.5
 Farmland: 1,456.0

NOTE: The following statements are made in accordance with the Privacy Act of 1974(5 USC 552a). The Agricultural Adjustment Act of 1938, as amended, and the Agricultural Act of 1949, as amended, authorized the collection of the following data. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Acts.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, Ag Box 7630, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0560-0004), Washington, D.C. 20503. RETURN THIS COMPLETED FORM TO YOUR FSA COUNTY OFFICE.

Producer Name	ID	Crop	Share	Crop	Share	Crop	Share	Crop	Share
PETER M CANNON	9911	WHEAT	.6557	CORN	.5000	PTATO	.5000	BARLY	.5000
		FALLOW	.5000						
KELLEY & SONS PTR	9523	WHEAT	.3443	CORN	.5000	PTATO	.5000	BARLY	.5000
		FALLOW	.5000						

Crop Type	Prac	IU	Reported	Determined	Crop Type	Prac	IU	Reported	Determined	Crop Type	Prac	IU	Reported	Determined
BARLY	SPR	I GR	151.0		CORN	YEL	I FG	287.6		FALLOW	N		40.9	
OFAV		I	444.3		PTATO	RUS	I FH	444.3		WHEAT	HRS	I GR	305.5	
WHEAT	SWS	I GR	179.2											

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature _____ Date _____

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2000

FARM NUMBER: 3302

FARM AND TRACT DETAIL LISTING

DATE: 01-26-2004

Operator Name and Address ID
 KELLEY & SONS PTR 9523
 6832 W 81ST S
 IDAHO FALLS, ID 83402-5758

Original: _____

Revision: _____

Cropland: 1,408.5

Farmland: 1,456.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Prod Share	Prod ID
2753	1	Ir	PTATO	GRA	Fresh	F FAV	158.30	158.30		I	.5000 .5000	9911 9523
		Crop OFAV		Nirr 158.3	Irr							
		Photo Number/Legal Description: *L-1 T4N R36E SEC 36 JEFFERSON CO 0 G-1										
		Cropland:	158.3	Reported:	158.3	Difference:	.0	Reported D,B,S,R,A:			.0	
2754	1	Ir	WHEAT	HRS	Grain		33.00	33.00		I	.5000 .5000	9911 9523
	2	Ir	BARLY	SPR	Grain		159.30	159.30		I	.5000 .5000	9911 9523
	3	Ir	WHEAT	HRS	Grain		37.70	37.70		I	.5000 .5000	9911 9523
	4	Ir	WHEAT	HRS	Grain		78.10	78.10		I	.5000 .5000	9911 9523
	5	Ir	WHEAT	HRS	Grain		161.20	161.20		I	.5000 .5000	9911 9523
		Crop BARLY		Nirr	Irr 159.3	Crop WHEAT		Nirr 310.0	Irr			
		Photo Number/Legal Description: *L-1 T3N R36E SEC 1 T3N R37E SEC 6 0 G-1										
		Cropland:	469.3	Reported:	469.3	Difference:	.0	Reported D,B,S,R,A:			.0	
3023	3	Ir	PTATO	GRA	Fresh	F FAV	160.60	160.60		I	.5000 .5000	9911 9523
	4	Ir	WHEAT	HRS	Grain		146.70	146.70		I	.5000 .5000	9911 9523
	1	Ir	BARLY	SPR	Grain		158.00	158.00		I	.5000 .5000	9911 9523
	2	Ir	BARLY	SPR	Grain		158.20	158.20		I	.5000 .5000	9911 9523
		Crop BARLY		Nirr	Irr 316.2	Crop OFAV		Nirr 160.6	Irr	Crop WHEAT	Nirr	Irr 146.7
		Photo Number/Legal Description: *M-1 N-1 SEC4,5 T-3-N R-37-E										
		Cropland:	623.5	Reported:	623.5	Difference:	.0	Reported D,B,S,R,A:			.0	
3034	1	Ni	ALFAL		Hay		1.20	1.20		I	.5000	9911

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2000

FARM NUMBER: 3302

FARM AND TRACT DETAIL LISTING

DATE: 01-26-2004

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Prod Share	Prod ID
3034	1	Ni	ALFAL	(continued)							.5000	9523
	2	Ni	ALFAL		Hay		1.50	1.50		I	.5000 .5000	9911 9523
	4	Ni	ALFAL		Hay		1.60	1.60		I	.5000 .5000	9911 9523
	5	Ir	PTATO	GRA	Fresh	F FAV	150.90	150.90		I	.5000 .5000	9911 9523
	3	Ni	ALFAL		Hay		2.20	2.20		I	.5000 .5000	9911 9523
		Crop ALFAL		Nirr 6.5	Irr	Crop OFAV		Nirr 150.9		Irr		
Photo Number/Legal Description: *N-1 T4N R37E SEC 33												
Cropland:		157.4	Reported:	157.4	Difference:	.0	Reported D.B.S.R.A:	.0				

FSA-578 (02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 2000

FARM NUMBER: 3302

FARM SUMMARY

DATE: 01-26-2004

Operator Name and Address

ID

Original: _____

KELLEY & SONS PTR

9523

Revision: _____

6832 W 81ST S

IDAHO FALLS, ID

83402-5758

Cropland: 1,408.5

Farmland: 1,456.0

NOTE: The following statements are made in accordance with the Privacy Act of 1974(5 USC 552a). The Agricultural Adjustment Act of 1938, as amended, and the Agricultural Act of 1949, as amended, authorized the collection of the following data. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Acts.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, Ag Box 7630, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0560-0004), Washington, D.C. 20503. RETURN THIS COMPLETED FORM TO YOUR FSA COUNTY OFFICE.

Producer Name	ID	Crop	Share	Crop	Share
PETER M CANNON	9911	WHEAT	.5000	BARLY	.5000
KELLEY & SONS PTR	9523	WHEAT	.5000	BARLY	.5000

Crop	Reported	Determined	Crop	Reported	Determined	Crop	Reported	Determined
ALFAL	6.5	6.5	BARLY	475.5	475.5	OFAV	469.8	469.8
WHEAT	456.7	456.7						

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature

Date

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1998

FARM NUMBER: 776

FARM AND TRACT DETAIL LISTING

DATE: 02-06-2004

Operator Name and Address

ID

Original: _____

ALLAN E KOLBET
1254 S SKYLINE DR
IDAHO FALLS, ID

4264

Revision: _____

83402-4845

Cropland: 677.3

Farmland: 722.0

Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Lnd Use	Reported Acreage	Determined Acreage	O/ M	Crop Stat	Plnt Prac	Prod Share	Prod ID
1059	1	Ir	GRASS	OTH	Graze		11.70			I		1.0000	4264
		Crop GRASS		Nirr 11.7	Irr								
Photo Number/Legal Description: *0-6							SEC23 T-2-N R-37-E 0 H-4						
Cropland: 11.7							Reported: 11.7	Difference: .0		Reported D,B,S,R,A:		.0	
1060	48	Ir	GRASS	OTH	Graze		4.90			I		1.0000	4264
	1	Ir	PTATO	GRA	Fresh	F FAV	158.00			I	2	1.0000	8953
	2	Ir	PTATO	GRA	Fresh	F FAV	158.20			I		1.0000	8953
	3	Ir	BARLY	SPR	Grain		160.60			I	2	1.0000	8953
	4	Ir	BARLY	SPR	Grain		145.10			I		1.0000	8953
	5	Ir	BARLY	SPR	Grain		38.80			I	2	1.0000	8953
		Crop BARLY		Nirr 344.5	Irr	Crop GRASS	Nirr 4.9	Irr		Crop OFAV		Nirr 316.2	Irr
Photo Number/Legal Description: *M-1							SEC4.5 T-3-N R-37-E 0 H-1,G-1						
Cropland: 665.6							Reported: 665.6	Difference: .0		Reported D,B,S,R,A:		.0	

FSA-578(02-01-91)

REPORT OF ACREAGE

PROGRAM YEAR 1998

FARM NUMBER: 776

FARM SUMMARY

DATE: 02-06-2004

Operator Name and Address ID

Original: _____

ALLAN E KOLBET 4264
1254 S SKYLINE DR
IDAHO FALLS, ID 83402-4845

Revision: _____

Cropland: 677.3

Farmland: 722.0

NOTE: The following statements are made in accordance with the Privacy Act of 1974(5 USC 552a). The Agricultural Adjustment Act of 1938, as amended, and the Agricultural Act of 1949, as amended, authorized the collection of the following data. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Acts.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, Ag Box 7630, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0560-0004), Washington, D.C. 20503. RETURN THIS COMPLETED FORM TO YOUR FSA COUNTY OFFICE.

Producer Name	ID	Crop	Share
WAYNE JENSEN	8953	BARLY	1.0000

Crop	Reported	Determined	Crop	Reported	Determined	Crop	Reported	Determined
BARLY	344.5		GRASS	16.6		OFAV	316.2	

OPERATOR'S CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops and land uses listed herein are true and correct, and that all required crops and land uses have been reported for the farm as applicable. The signing of this form gives FSA representatives authorization to enter and inspect crops and land uses on the above identified land.

Operator's Signature _____ Date _____

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

FEB 26 2004

T 71099
T 33 OF 54

ATTACHMENT

Cannon Very (hat)

RECEIVED

FEB 26 2004

PRODUCER SUMMARY

Facility Summary

The Cannon Dairy is a proposed dairy operation located at 4000 W. County Line Road, Idaho Falls, ID 83401. It is owned and operated by Seth and Alan Cannon. The proposed animal numbers are 3300 Holstein cows with 500 dry cows, 2000 dairy heifers, 1500 large dairy calves, and 500 small dairy calves. Dairy cow weight is 1400 lbs, dairy heifer weight 800 lbs, dairy calf weight 500, and Dairy calf weight 250 lbs. This Nutrient Management Plan was designed for the animal numbers listed above. Milk cows are housed in a free stall barn and open lot. Dry cows, heifers and calves are housed in open lots.

Resource Concerns

Cannon Dairy is located in the Idaho Falls Watershed Basin (USGS Hydrologic Unit Code # 17040201). This stream segment is water quality limited for Nutrients and Sediments. This facility is located at legal address: Township 3 N, Range 37 E, Section 4.

The primary resource concern on Cannon Dairy is ground water quality. Refer to ISDA Regulations and the Idaho Nutrient Management Standard section in the OnePlan Nutrient Management Plan (OnePlan NMP) printout for Threshold standards and Threshold for individual fields. Threshold for individual fields may also be found in the Nutrient Risk Analysis section of the Nutrient Management Plan.

Storage and Handling Plan Requirements

Wastewater application is to begin and end with the irrigation season. In the fall, wastewater may be applied to a growing crop. In the spring, in an emergency, wastewater may be applied after March 15th. This is your hydraulic balance date and wastewater can be exported and applied at a depth of 0.5. When applying wastewater outside of the irrigation season you are required to contact the Idaho Department of Agriculture, Dairy Bureau (208) 332-8550 prior to application.

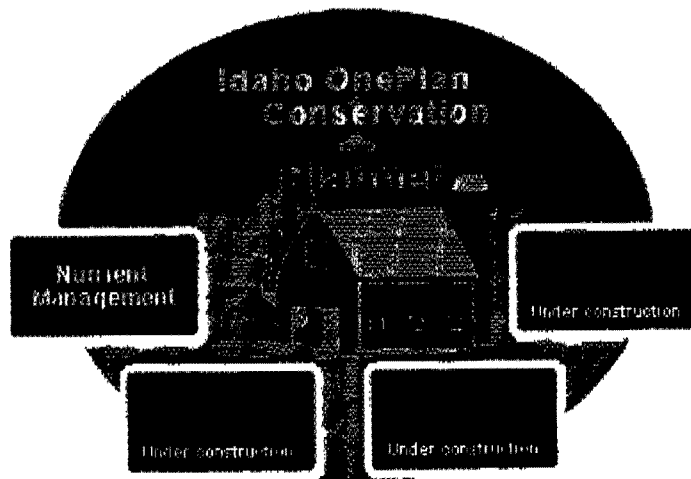
This facility has not yet constructed the required 180 days of liquid waste storage. The proposed liquid waste lagoon dimensions are 500ft. long x 500ft. wide x 8ft. deep.

This facility needs 3822 acres of land application area to apply solid waste, 270 acres to apply separated solids and 180 acres to apply liquid waste. The facility currently does not have any crop land. The facility has approximately 530 acres available for application of wastes from the Dairy. They also have an agreement with Mickelsen Farms to export manure. Mickelsen Farms has 4000 acres available in the area.

T 71099
ATTACHMENT 34 OF 54

Cannon Dairy
Nutrient Management Plan

Agriculture . . .
Launching into the Future



Nutrient Management Plan Prepared For:
Seth and Alan Cannon
(208) 357-2564
Cannon Dairy

Certified Planner:
Matt Griffin
Agricultural Investigator, Idaho Department of Agriculture
(208) 681-0458

Producer Signature: Seth Cannon Certificated Planner Signature: Matt Griffin
Date Completed: 2-20-14

The information provided by those using the "Idaho OnePlan" shall be deemed to be trade secrets, production records, or other proprietary information and shall be kept confidential and shall be exempt from disclosure pursuant to section 9-340D, Idaho Code. (Title 22 Chapter 27.17D6)

Cannon Dairy
ANALYSIS OF RESOURCE CONCERNS

INTRODUCTION

The purpose of this nutrient management plan is to meet agricultural production goals and to certify that manure and nutrients nutrients are properly managed to minimize adverse impact to surface or groundwater. Plans are written in cooperation with the producer to:

- 1) assure proper containment of animal manure and process waste water
- 2) assess resource concerns which exist on the property
- 3) budget nutrient sources to optimize crop water and nutrient needs. Nutrient sources include commercial fertilizers, animal manure, mineralization of previous crop soil organic matter, accounting of residues, and irrigation water.
- 4) When applicable, assess irrigation water management to minimize movement of nutrients beyond the root zone or with runoff.

If animal manure and/or commercial fertilizers are not properly managed, contaminants may negatively impact surface and/or groundwater. Some water resource contaminants associated with poorly managed animal manure and fertilizers are:

Phosphorus in the soil readily adsorbs to soil particles; thus, erosion of soil by surface runoff is the general mode of phosphorus transport. Even at very low concentrations, phosphorus can result in plant and algae blooms in surface water bodies. Alga blooms are a nuisance to boaters, irrigators, and others. Toxins released by certain algae can be lethal to livestock or other animals that drink the water. Dissolved oxygen in the water is depleted as algae die and decompose, sometimes causing fish kills.

Nitrogen in the form of nitrate (NO_3^-) is highly water-soluble and will move with water, particularly down the soil profile past the root zone if not utilized by plants (thus becoming a groundwater contamination issue). Nitrates are toxic to infants under 6 months, and to livestock at high concentrations. In surface water, excess nitrogen, like phosphorus, can result in nuisance plant and algae growth.

Organic matter in high load decreases dissolved oxygen in a surface water body when it decomposes. Low levels of dissolved oxygen is harmful or even fatal to fish and other aquatic life.

Bacteria and microorganism illnesses (pathogens) potentially transmitted through water by animal manure include Giardia, Typhoid Fever, Cryptosporidium, and Cholera. Pathogens from animal waste can negatively impact surface and groundwater quality.

FACILITY DESCRIPTION

Owner Information

Owner (1): Seth and Alan Cannon
Address: 1470 N 750 E, Shelley, ID 83274
Phone: (208) 357-2564 N/A
(208) 709-1820 N/A

Location

Site Map: Facility site plan illustrated in Figure 1

Soil Conservation District: West Side
County: Bonneville
Watershed Basin: Idaho Falls (USGS Hydrologic Unit Code # 17040201)

ANALYSIS OF RESOURCE CONCERNS

Farm Resource Concerns

T 71099
ATTACHMENT 36 OF 54

Cannon Dairy is located in a watershed containing water quality limited stream segments listed according to the Clean Water Act. Stream segments are listed because a water quality parameter prevents the attainment of the "Fishable/Swimmable" goal of the Clean Water Act.

WATERBODY	BOUNDARIES	BACT	CHAN STAB	DO	FLOW ALT	HAB ALT	MET HG	MET	NH3	NUTR	O_G	ORG	PEST	PH	SAL	SED	TDG	TEMP	UNKN	*
Birch Creek	Unnamed trib in T2N, R41E, Section 2 to sink	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	☐
North Fork Will	Willow Creek to Snake River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	☐
Snake River	HUC boundary to Halse	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	☐
South Fork Will	Willow Creek to Snake River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	☐
Willow Creek	HUC boundary to N & S Fk Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	☐

Cannon Dairy is not located in a critical Nitrate-Nitrogen management area. Nitrate Management Areas are designated based upon ground water quality sampling results. Two priority groups exist as follows:

Priority 1 is designated because at least 25% of the ground water sampling locations within the area exceed 5-milligrams/liter nitrate. This is one-half of the maximum contaminant level of 10-milligrams/liter nitrate. This nitrate concentration is considered evidence of significant degradation. Public drinking water systems are required to increase monitoring frequency when this level is reached.

Priority 2 is designated because at least 50% of the ground water sampling locations within the area exceed 2-milligrams/liter nitrate. This concentration threshold provides an indication of human-caused (anthropogenic) impacts. The upper limit for naturally occurring (background) concentrations of nitrate is considered to be about 2 mg/l.

Cannon Dairy is located in a sole source aquifer area - Eastern Snake River Plain Aquifer.

Field Resource Concerns

- **Rock Outcrops** - Rock outcrops are direct links to groundwater through cracks and fissures. On rock outcrops the ability for crop growth and the retention of nutrients is diminished because of the lack of soil. Nutrients should not be applied on rock outcrops unless the outcrop has been sealed. Sealing methods include one foot of compacted soil with 15% clay content or gypsum sealing.

Depth Limiting Subsurface Features

Field Name	Subsurface Feature	Depth from Surface (in)
Field 1	Water Table	>72
Field 2	Water Table	>72
Field 3	Water Table	>72
Field 4	Water Table	>72

Well Testing Results (See back of page):

Well	Date	Hardness	EC	PH	K	Nitrates	Nitrites	NH3	Na	Carbonate	Bicarbonate
NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

ISDA REGULATIONS AND THE IDAHO NUTRIENT MANAGEMENT STANDARD

Nutrient management plans for animal agricultural operations regulated by the Idaho State Department of Agriculture (ISDA) must be approved by the Idaho State Department of Agriculture and must follow the Natural Resource Conservation Service (NRCS) Agriculture Waste Management Field Handbook and the Idaho Nutrient Management Standard. ISDA regulation and the Standard use soil test phosphorus as the indicator for environmental impact from agricultural production practices. The Idaho Nutrient Management Standard is based on a threshold soil test phosphorus level (TH), above which there is no agronomic advantage to application of phosphorus.

The Idaho Nutrient Management Standard categorizes fields as a surface water concern or a groundwater concern. A surface water concern indicates that runoff leaves the contiguous operating unit from normal storm events, rain on snow, frozen ground, or irrigation. The soil phosphorus threshold for a field with a surface water concern is 40 ppm phosphorus for soils alkaline (ph > 6) tested with the Olsen method and 60 ppm phosphorus for acidic (ph < 6.5) soils tested with the Bray method (0-12" Soil Sample Depth).

A groundwater resource concern indicates that runoff does not leave the contiguous operating unit from normal storm events, rain on snow, frozen ground, or irrigation. There are two sub-categories for fields identified as having a groundwater concern. The first category applies to fields with a resource concern within the first five feet of the soil profile. A resource concern could be shallow soils, gravel, cobble, bedrock, high groundwater table, or a drained field. These fields are indicated as a groundwater concern <5'. The soil phosphorus threshold for a field with a groundwater concern <5' is 20 ppm phosphorus for soils tested with the Olsen method and 25 ppm phosphorus for soils tested with the Bray method (18-24" Soil Sample Depth).

If a field is not classified as having a surface water concern or a groundwater <5' concern, by default it is classified as having a groundwater concern >5'. The soil phosphorus threshold for a field with a groundwater concern >5' is 30 ppm phosphorus for soils tested with the Olsen method and 45 ppm phosphorus for soils tested with the Bray method (18-24" Soil Sample Depth).

Field Phosphorus Threshold

Field	Resource Concern	P Threshold (ppm)	P Threshold Soil Test Depth
Field 1	Groundwater >=5'	30	18 - 24"
Field 2	Groundwater >=5'	30	18 - 24"
Field 3	Groundwater >=5'	30	18 - 24"
Field 4	Groundwater >=5'	30	18 - 24"

NUTRIENT MANAGEMENT REQUIREMENTS/RECOMMENDATIONS

Manure Application Rate Requirement By Year

FIELD: Field 1

Name	Man App	Separated Solid(s)	Solid Stock (s)	Mineralization		Total	
Corn-Field Silage, Irrigated South ID (2003)	Y	41 %	0 T/ac				
		N 53	0	N	0	N	53
		P 75	0			P	75
		K 146	0			K	146
Potatoes(2004)	Y	41 %	0 T/ac				
		N 53	0	N	14	N	67
		P 75	0			P	75
		K 146	0			K	146
Corn-Field Silage, Irrigated South ID (2005)	Y	41 %	0 T/ac				
		N 53	0	N	29	N	82
		P 75	0			P	75
		K 146	0			K	146

FIELD: Field 2

Name	Man App	Separated Solid(s)	Solid Stock (s)	Waste Storage Pond(s)	Mineralization		Total	
Potatoes(2003)	Y	0 %	0 T/ac	51 %				
		N 0	0	21	N	0	N	21
		P 0	0	75			P	75
		K 0	0	146			K	146
Corn-Field Silage, Irrigated South ID (2004)	Y	0 %	0 T/ac	51 %				
		N 0	0	21	N	12	N	33
		P 0	0	75			P	75
		K 0	0	146			K	146
Potatoes(2005)	Y	0 %	0 T/ac	51 %				
		N 0	0	21	N	-3	N	18
		P 0	0	75			P	75
		K 0	0	146			K	146

FIELD: Field 3

Name	Man App	Separated Solid(s)	Solid Stock (s)	Mineralization		Total	
Corn-Field Silage, Irrigated South ID (2003)	Y	45 %	0 T/ac				
		N 53	0	N	0	N	53
		P 75	0			P	75
		K 146	0			K	146
Potatoes(2004)	Y	45 %	0 T/ac				
		N 53	0	N	14	N	67
		P 75	0			P	75
		K 146	0			K	146
Corn-Field Silage, Irrigated South ID (2005)	Y	45 %	0 T/ac				
		N 53	0	N	29	N	82
		P 75	0			P	75
		K 146	0			K	146

FIELD: Field 4

--	--	--	--	--	--	--	--

Name	Man App		Separated Solid(s)	Solid Stack (s)	Mineralization		Total
Potatoes(2003)	Y		13 %	17 T/ac			
		N	17	33	N	0	N 50
		P	24	51			P 75
		K	46	117			K 163
Corn-Field Silage, Irrigated South ID (2004)	Y		13 %	17 T/ac			
		N	17	33	N	28	N 78
		P	24	51			P 75
		K	46	117			K 163
Potatoes(2005)	Y		13 %	17 T/ac			
		N	17	33	N	13	N 63
		P	24	51			P 75
		K	46	117			K 163

Minimum Acres Required for Manure Application

Manure Group	Acres
Separated Solid(s)	270
Solid Stack(s)	3822
Waste Storage Pond(s)	180

The acreage in the table is based on an average crop uptake of 100 lbs P₂O₅ per acre. These acreage numbers are for estimating export acreage needed. Wastewater application should begin with the first irrigation of the season and end with the last irrigation of the season. Rates should be designed to supply uniform application. When applying wastewater outside of the irrigation window you must contact the Department of Agriculture, Dairy Bureau (208) 332-8550.

Hydraulic Balance

Field	Date
Field 1	March 1
Field 2	March 1
Field 3	March 1
Field 4	March 1

0.5" of wastewater may be applied to fields after the hydraulic balance date to remain in compliance with this nutrient management plan.

Spring Soil Test

Spring soils tests must be taken every year from every field to determine a commercial fertilization rate. If commercial fertilizer isn't applied (for a perennial crop), spring soil samples are not required. If you do not apply commercial fertilizer, a complete soil analysis will need to be conducted initially to determine the nutrient baseline.

Record Keeping For each field keep a record of annual manure and chemical fertilizer applications. Include nutrient source, date, time, rate and application method.

ANNUAL NUTRIENT BUDGET

The following crop nutrient budget is based on soil test data and cropping information. It is for one year for the following field and specified crop information:

Nutrient Budget Summary

Field: Field 1 Crop: Potatoes Yield: 300

	N	P205	K20
Crop Nutrient Requirement	230	41	0
Nutrients From Soil	?		
from Mineralized Nitrogen	0		
from Prior Crops	-15		
from Prior Bio-Nutrients	29		
from Irrigation Water	0		0
Nutrient Balance from above	216.6	41.2	0
Separated Solid(s)	53	75	146
Solid Stack(s)	0	0	0
Estimated Remaining Nutrients Required	164	-34	-146
Commercial Fertilizer Application	0	0	0
Final Nutrient Balance	164	-34	-146

Acceptable: Sustainable agronomic rate.

Field: Field 2 Crop: Corn-Field Silage, Irrigated South ID Yield: 27

	N	P205	K20
Crop Nutrient Requirement	230	108	247
Nutrients From Soil	?		
from Mineralized Nitrogen	0		
from Prior Crops	0		
from Prior Bio-Nutrients	12		
from Irrigation Water	0		0
Nutrient Balance from above	219.2	108.2	247.2
Separated Solid(s)	0	0	0
Solid Stack(s)	0	0	0
Waste Storage Pond(s)	21	75	146
Estimated Remaining Nutrients Required	198	33	101
Commercial Fertilizer Application	0	0	0
Final Nutrient Balance	198	33	101

Acceptable: Sustainable agronomic rate.

Field: Field 3 Crop: Potatoes Yield: 300

	N	P205	K20
Crop Nutrient Requirement	230	41	187
Nutrients From Soil	?		
from Mineralized Nitrogen	0		
from Prior Crops	-15		
from Prior Bio-Nutrients	29		
from Irrigation Water	0		0
Nutrient Balance from above	216.6	41.2	187.2
Separated Solid(s)	53	75	146
Solid Stack(s)	0	0	0

Estimated Remaining Nutrients Required	164	-34	41
Commercial Fertilizer Application	0	0	0
Final Nutrient Balance	164	-34	41

Acceptable: Sustainable agronomic rate.

Field: Field 4 Crop: Corn-Field Silage, Irrigated South ID Yield: 27

	N	P205	K20
Crop Nutrient Requirement	230	108	247
Nutrients From Soil	?		
from Mineralized Nitrogen	0		
from Prior Crops	0		
from Prior Bio-Nutrients	28		
from Irrigation Water	0		0
Nutrient Balance from above	203.4	108.2	247.2
Separated Solid(s)	17	24	46
Solid Stack(s)	33	51	117
Estimated Remaining Nutrients Required	153	33	84
Commercial Fertilizer Application	0	0	0
Final Nutrient Balance	153	33	84

Caution: Rate is either deficit or is approaching an amount that may potentially contribute to an environmental risk.
Acceptable: Sustainable agronomic rate.

ANALYSIS OF ANIMAL SYSTEM

WASTE STORAGE AND HANDLING

Livestock Unit Characteristic

Description	Animal	Number	Weight	Days Collected	Housing	Bedding Type	Bedding (tons)
freestall milkers	Lactating Cow	2,800	1,400	365	Freestall	Sand	7,154
open lot milkers	Lactating Cow	500	1,400	365	Open Lot	Long Straw	1,188
drys	Dry Cow	500	1,400	365	Open Lot	Long Straw	1,188
Heifers	Dairy Heifer	2,000	800	365	Open Lot	Long Straw	2,716
large calves	Dairy Calf	1,500	500	365	Open Lot	Long Straw	1,273
small calves	Dairy Calf	500	400	365	Covered Pens	Long Straw	182

Manure/Biosolid Groups

Manure Group	Storage Type	Application Method	Days to Incorporation	Nitrogen Retention (%)	Annual Volume (ft3)	Annual Weight (tons)
Separated Solid(s)	Manure Liquids/Solids Stored in Uncovered Structure	Broadcast, Incorporated deeper than 3 inches	4-7 days	56	197,298	6,116
Solid Stack(s)	Manure and Bedding Held in Unroofed Storage	Broadcast, Incorporated less than 3 inches	4-7 days	48	3,405,487	111,359
Waste Storage Pond(s)	Anaerobic Lagoon	Irrigation	N/A	22	131,531	4,077

* in Nitrogen Retention % Column means "Overridden Nitrogen Values"

Manure Group		drys	freestall milkers	Heifers	large calves	open lot milkers	small calves
Waste Storage Pond(s)	% To Group	N/A	6			6	
Solid Stack(s)	% To Group	100	85	100	100	85	100
Separated Solid(s)	% To Group	N/A	9			9	

Annual Production of Nutrients

The nutrient values were calculated based on animal weight and nitrogen loss estimates as described in the NRCS Agricultural Waste Management Field Handbook guidelines (1996). The calculations are estimates, and manure testing is recommended for more accuracy, as manure nutrient content varies widely among operations.

Nutrient Distribution on Facility				
	Pounds N	Pounds P ₂ O ₅	Pounds K ₂ O	% of Total
Total Nutrients Produced	540740	384490	868303	
Separated Solid(s)	38245	24307	47549	6
Solid Stack(s)	492251	343978	789055	91
Waste Storage Pond(s)	10244	16205	31699	3
Nutrients Exported	743	519	1190	0
Nutrients Onsite	539997	383971	867113	100

Comments on Bionutrients

No Comments

Dairy Water Values

Dairy Water Values			
Dairy Process Water:	750	Milk Parlor Cleaning Water:	13000
Dairy Parlor Water:	450	Hose Volume:	0
Bulk Tank Water:	300	Flush Volume:	13000
Cow Prep Water:	11880	Deck Flush Volume:	0
Automatic Backflush:	9900	Other Volume:	0
Sprinkler Volume:	0	Holding Pen Cleaning Water:	13000
Manual Cow Prep:	1980	Hose Volume:	0
Dairy Equipment Water:	26860	Flush Volume:	13000
Compressor Water:	0	Other Volume:	0
Vacuum Pump Water:	0	Freestall/Alley Flush:	13000
Pre-Cooler Water:	26860	Excess Water	
Glycol Chiller Water:	0	Cow Water:	99000
Miscellaneous Equipment Water:	93	Group 1:	-72140
Washing Machine Water:	43	Group 2:	26000
Miscellaneous Water:	25		
Milkhouse Water	25	Total Dairy Water:	38723

Bulk Tank(s)		
Bulk Tank ID	Size	Volume
1	20000	150
2	20000	150

Comments

Holding Pen Comments:

Holding pen and parlor will be cleaned using a flush system of recycled water from the plate cooler

MANURE STORAGE SUMMARY

Total Liquid Capacity Required		
Bio-Nutrient Group	Cubic Feet	% Contained
Waste Storage Pond(s)	131,531	100%
Separated Solid(s)	197,298	100%
freestalls and barn	204,000	100%
open lot	16,014	0%
Process Water	1,884,512	100%

Total Solid Capacity		
Bio-Nutrient Group	Cubic Feet	% Contained

Solid Stack(s)	3,405,487	0%
freestall milkers	71,540	0%
open lot milkers	268,258	0%
drys	268,258	0%
Heifers	613,290	0%
large calves	287,452	0%
small calves	43,680	0%

Existing Storage Containers		
Storage Unit Name	Days Stored	NoData
NoData	@DaysStored	NoData

New Storage Containers Required												
Storage Unit Name	Days Stored	Waste Storage Pond (s)	Separated Solid(s)	Solid Stack (s)	freestalls and barn	open lot	Process Water	freestall milkers - Bedding	open lot milkers - Bedding	drys - Bedding	Heifers - Bedding	large calves - Bedding
proposed lagoon	180	100%	100%	0%	100%	0%	100%	0%	0%	0%	0%	0%

Container Name	Volume (ft3)	Storage Period (Days)	Length	Width	Depth	Slope	Diameter	Existing	Proposed
proposed lagoon	1,874,731	180	500	500	8	2	0	No	Yes

Containment of Milking Center Waste and Corral Runoff

It is important that all barn water and contaminated runoff from corrals be contained and/or diverted to the lagoon storage system. As stated in the Idaho State Department of Agriculture (ISDA) regulation, a discharge is allowed only under large precipitation events (>25yr, 24hr storm event). Lagoon structures must be properly designed, operated, and maintained to contain all barn wastewater and contaminated runoff from a 25-year, 24-hour rainfall event for the site location and maintained to contain all runoff from accumulation of winter precipitation from a one in five-year winter. Animals confined in the CAFO may not have direct contact with canals, streams, lakes, or other surface waters.

Comments

No Comments

BIO-NUTRIENT EXPORT INFO

Exported Bio-Nutrient Summary					
Bio-Nutrient Group Name	Amount	Consumer	Consumer's Address	Telephone	Acres
Solid Stack(s)	168	Mickelsen Farms	1050 West Riverview, Idaho Falls, ID, 83405	208-524-3420	4000

ANALYSIS OF CROPPING SYSTEM

Farming Operation

Total Acres: 530.2

Crop Production History

THIS IS NOT A FERTILIZER RECOMMENDATION

Crop Rotation Name: crop rotation

Crop	Yield	Yield Units	N Requirement	P ₂ O ₅ uptake	K ₂ O Requirement
Potatoes	300	cwt/acre	230	41.2	550
Corn-Field Silage, Irrigated South ID	27	tons/acre	230	108.2	240
Average				75	

* Nitrogen and Potassium Requirements assume zero credits.

Mapped Resource Concern(s)

Field Name	Acres	Resource Concern(s)
Field 1	134.8	Rock Outcrops

ANALYSIS OF IRRIGATION PRACTICES

Irrigation Management

Proper irrigation management depends on factors such as the following.

Irrigation Efficiency: The efficiency with which the irrigation wets the entire crop root zone. This takes losses that occur from evaporation, runoff and deep percolation.

Crop Evapotranspiration Rate (ET): The combined rate at which water from the soil profile is evaporated into the atmosphere and transpired from the crop. The rate is expressed in units of inches/day.

Management Allowable Depletion (MAD): The percentage of water, which can be depleted from the soil before the crop, experiences water deficiency stress.

Available Water Holding Capacity in the Soil (AWH): The amount of water the pores in the soil profile can hold against gravity. The AWH is expressed as inches of water per inch of soil.

Crop Rooting Depth: The depth in the soil profile to which the crop roots can penetrate.

Pivot Irrigation Summary

Field Name: Field 1

Evaporation/Drift Losses: 5.0 %
 Date of Initial Irrigation: 6/1/2004
 Current Crop: Potatoes
 System Flow Rate: 1200.0 gpm
 Length of Pivot: 1320 ft
 Estimated Runoff: .0 in

Month	Days Between Irrigation	One Pivot Cycle (hrs)	Water Applied (in)	Net Irrigation Requirement (in)	Deep Perc.	Irrigation Deficit (in)
Mar	.0	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0	.0
May	.0	.0	.0	.5	.0	.3
Jun	6.0	60.0	1.3	2.4	2.6	.0
Jul	3.0	60.0	1.3	7.5	5.4	.0
Aug	3.0	60.0	1.3	7.8	4.6	.0
Sep	.0	.0	.0	3.4	.0	2.5
Oct	.0	.0	.0	.0	.0	.0

Pivot Irrigation Summary

Field Name: Field 2

Evaporation/Drift Losses: 5.0 %
 Date of Initial Irrigation: 6/1/2004
 Current Crop: Corn-Field Silage, Irrigated South ID
 System Flow Rate: 1200.0 gpm
 Length of Pivot: 1320 ft
 Estimated Runoff: .0 in

Month	Days Between Irrigation	One Pivot Cycle (hrs)	Water Applied (in)	Net Irrigation Requirement (in)	Deep Perc.	Irrigation Deficit (in)
Mar	.0	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0	.0
May	.0	.0	.0	.8	.0	.0
Jun	6.0	45.0	1.0	2.4	.1	.0
Jul	5.0	45.0	1.0	6.8	.3	.0
Aug	5.0	45.0	1.0	6.0	.0	.0
Sep	.0	45.0	1.0	2.7	10.4	.0
Oct	.0	.0	.0	.0	.0	.0

Pivot Irrigation Summary

Field Name: Field 3

Evaporation/Drift Losses: 5.0 %
 Date of Initial Irrigation: 6/1/2004
 Current Crop: Potatoes
 System Flow Rate: 1200.0 gpm
 Length of Pivot: 1320 ft

Estimated Runoff:		.0 in					
Month	Days Between Irrigation	One Pivot Cycle (hrs)	Water Applied (in)	Net Irrigation Requirement (in)	Deep Perc.	Irrigation Deficit (in)	
Mar	.0	.0	.0	.0	.0	.0	
Apr	.0	.0	.0	.0	.0	.0	
May .0	.0	.0	.5	.0	.3	.0	
Jun	6.0	60.0	1.3	2.4	2.6	.0	
Jul	3.0	60.0	1.3	7.5	5.4	.0	
Aug	3.0	60.0	1.3	7.8	4.6	.0	
Sep	.0	.0	.0	3.4	.0	2.5	
Oct	.0	.0	.0	.0	.0	.0	

Pivot Irrigation Summary							
Field Name: Field 4							
Evaporation/Drift Losses:		5.0 %					
Date of Initial Irrigation:		6/1/2004					
Current Crop		Corn-Field Silage, Irrigated South ID					
System Flow Rate:		1200.0 gpm					
Length of Pivot:		1320 ft					
Estimated Runoff:		.0 in					
Month	Days Between Irrigation	One Pivot Cycle (hrs)	Water Applied (in)	Net Irrigation Requirement (in)	Deep Perc.	Irrigation Deficit (in)	
Mar	.0	.0	.0	.0	.0	.0	
Apr	.0	.0	.0	.0	.0	.0	
May .0	.0	.0	.8	.0	.0	.0	
Jun	6.0	60.0	1.3	2.4	1.6	.0	
Jul	6.0	60.0	1.3	6.8	.6	.0	
Aug	6.0	60.0	1.3	6.0	.0	.0	
Sep	6.0	60.0	1.3	2.7	.9	.0	
Oct	.0	.0	.0	.0	.0	.0	

Appendix A: ANALYSIS OF SOIL CHARACTERISTICS

Soil Survey (USDA NRCS) information was used to describe the soil variations across each field. This is not absolute and may vary for each specific situation. The soil map has broad areas that have distinctive pattern of soils, relief, and drainage. Each map unit on the soil map is a unique natural landscape. Typically, it consists of one or more major soils or miscellaneous areas and some minor soils or miscellaneous areas. It is named for the major soils or miscellaneous areas. Because the minor soils are not described in the following summary, the combined acreage for all major soils will be less than the acreage for each field.

Table 1. Soil type across each field

Field Name	Soil Type	Percentage	Approximate Acreage	Surface Texture ¹
Field 1	PANCHERI	80	15.57	SIL
	PANCHERI	80	42.25	SIL
	PANCHERI	80	50.06	SIL
Field 2	PANCHERI	80	4.15	SIL
	PANCHERI	80	32.63	SIL
	PANCHERI	80	51.78	SIL
Field 3	PANCHERI	80	7.71	SIL
	PANCHERI	80	85.95	SIL
	PANCHERI	80	23.73	SIL
Field 4	PANCHERI	80	33.83	SIL
	PANCHERI	80	76.47	SIL
	PANCHERI	75	0.09	SIL

Note: 1- See Appendix A.

Table 2 contains important soil characteristics for each of the fields identified in this plan. Each soil characteristic listed is representative for the entire field based on a weighted average. (Caution: USDA NRCS Soil Survey information was used to estimate the values reported in Table 2. These are not absolute values and may vary for each specific situation. They are estimated values representative for each field.) The following includes a brief description of each of those factors:

Dominant Surface Texture -- The predominant texture of the surface layer. Soil texture is the relative proportion, by weight, of the particle separate classes (sand, silt, and clay) finer than 2 mm in equivalent diameter. Soil texture influences engineering works and plant growth and is used as an indicator of how soils formed. (See Appendix A)

Available Water Capacity (AWC) -- The volume of water that should be available to plants if the soil, inclusive of fragments, were at field capacity. It is commonly defined as the difference between the amount of soil moisture at field capacity and the amount at permanent wilting point. Typical Available Water Capacities are 0.6 inches/foot for a Sand and 2.0 inches/foot for a Silt Loam. Available Water Capacity is an important soil property in developing water budgets, predicting droughtiness, designing and operating irrigation systems, designing drainage systems, protecting water resources, and predicting yields.

Surface Soil Erodibility Factor (K) -- A factor which quantifies the susceptibility of soil detachment by water. Factors vary from a low of 0.02 to a high of 0.64.

Soil Loss Tolerance (T) -- The maximum amount of erosion at which the quality of a soil as a medium for plant growth can be maintained.

Slope -- The difference in elevation between two points expressed as a percentage of the distance between those points.

Permeability -- The quality of the soil that enables water or air to move through it.

Permeability Class -- Permeability expressed by classes ranging from very rapid to impermeable. (See Appendix A)

Runoff Class - An index of the likelihood for runoff to occur based on inherent soil and slope characteristic. Runoff classes range from Negligible to Very High. (See Appendix A)

Refer to the Containment Of Milk Center Waste And Corral Runoff section of the OnePlan NMP.

Nutrient Management Plan Requirements

Records must be kept on the following items:

- Approximate dates nutrients were exported and to whom they were exported.
- Dates of annual review and person performing the review and recommendations that resulted from the review.

Irrigation Management Plan Requirements

There are no irrigation management requirements at this time.

Facility Testing Requirements

There are not currently testing requirements on fields receiving exported manure. However, regulatory soil phosphorus samples are required from each Field owned/operated by dairy farms every 3 years. Samples will be taken from the 0-12" soil depth for surface water concerns, and the 18-24" depth for groundwater concerns. The samples will be reviewed for phosphorus level and compared with previous test data. These tests will indicate compliance with the nutrient management plan. The producer is not responsible to take or analyze these samples. Refer to the Field Phosphorus Threshold table in Resource Concern section of the OnePlan NMP printout for individual fields resource concerns and phosphorus threshold.

Recommendations

There are no recommendations at this time.

TABLE 1

ANIMAL TYPES		ANIMAL EQUIVALENCY FACTOR
DAIRY CATTLE		
	Milking and dry cows	1.4
	Heifers (2 years and older)	1.0
	Heifers (1 to 2 years old)	.70
	Calves (3 months to 1 year) (under three months)	.40 .25
BEEF CATTLE/BISON		
	Bull (each)	1.4
	Steers/Cows (over 1,000 lbs)	1.0
	Steers/Cows (600-1000 lbs)	0.6
	Calves (under 600 lbs)	0.4
SWINE		
	Pigs (35 lbs – market)	2.0
	Pigs (up to 55 lbs)	0.5
	Sows (each)	2.0
	Boars (each)	2.0
SHEEP	(each)	0.15
HORSES	(each)	1.0
FISH	(500 lbs)	1.0
CHICKENS		
	Layers (each)	0.01
	Broilers	0.005
FOR SPECIES NOT SPECIFICALLY IDENTIFIED	(350 lbs)	1.0



Idaho Secretary of State Viewing Business Entity

[[New Search](#)] [[Back to Summary](#)]

[[Get a certificate of existence for CANNON SHELLEY PROPERTY LIMITED PARTNERSHIP](#)]

CANNON SHELLEY PROPERTY LIMITED PARTNERSHIP

1468 N 750 E
SHELLEY, ID 83274

Type of Business: LIMITED PARTNERSHIP

Status: CURRENT 09 Jun 1997

State of Origin: IDAHO

Date of 09 Jun 1997

Origination/Authorization:

Initial Registered Agent: SETH ALAN CANNON
1468 N 750 E
SHELLEY, ID 83274

File Number: L3449

Date of Last Annual Report:

Amendments:

Amendment filed 09 Jun 1997 CERTIFICATE OF LP

[View Document Online](#)
[Download \(TIFF format\)](#)

[Idaho Secretary of State's Main Page](#)

[State of Idaho Home Page](#)

Comments, questions or suggestions can be emailed to: sosinfo@idsos.state.id.us

Cow

T. 71099
ATTACHMENT 54 OF 54