Form 1-222
12-90

Page _____ of _____

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Department of Water Resources
Southern Region

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 72150

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1

Name of applicant Salmon Falls Land and Livestock Phone 208 837 6053

Post Office address 123 Bell Rapids Road Hagerman, ID 83332

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 _____

2. Describe the reason for the proposed changes To provide water supply for a dairy and stock water for 600 range cows

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
47-02386A	9/12/1963	1.29/164.1*	Stockwater	1-1 to 12-31
		1.29/164.1*	Commercial	1-1 to 12-31
				to
				to

2. Total amount of water being transferred 1.29 cubic feet per second and/or 164.1* acre-feet per annum.

3. Source of water Ground Water tributary to _____

4. Point(s) of Diversion: * Based on average CIR for Spring Grain at Castleford and Bliss

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Local name for diversion
		SW	NW	13	8S	13E	Twin Falls	Existing test well & new well
		NW	NW	13	8S	13E	Twin Falls	Existing well (Backup)

5. Lands irrigated or place of use: C=dairy or land application S=stock water

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	
8S	13E	13						C	C,S		C,S	C,S	C	C		C,S	C		
		14	S	S	C,S	S	C	C,S	C	C	C			C	C,S	C	C	C	

Printed 6/29/05 10:43

Total acres _____

Page _____ of _____

Transfer No. _____

PART 1

6. General Information:

a. Description of diversion system Three wells. One well already drilled as a test well into pipeline to dairy. Stock tanks for range cattle

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:

Land will be dried up

SUPERCEDED SEE PAGE

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d. Remarks:

Range cattle stock tanks will be located in the NW1/4 NW1/4,SW1/4 NE1/4,SE1/4NW1/4 NE1/4SE1/4 Sec14 and NW1/4SE1/4 Sec13 T8S R13E. Conservative preliminary designs for runoff detention ponds have been prepared to retain the storm runoff from lands to which liquid waste is to be applied and prevent runoff on to dairy areas

---

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 _____.

_____

TRANS NO. 5[illegible]

PART 2

1. DESCRIPTION OF RIGHT AS RECORDED:

Water Right No. 47-02386A

STAGE: LICENSE

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
IRRIGATION	03/01 to 11/01	1.29 CFS	304.0 AF

SOURCE

GROUNDWATER

Priority: 09/12/1963

LOCATION OF POINT(S) OF DIVERSION: SWSE , Sec. 23, Township 08S, Range 12E
SWSW , Sec. 24, Township 08S, Range 12E
TWIN FALLS County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
08S	12E	23	NESE	38	SESE	38			76
					Total number of acres irrigated:				76

CONDITIONS/REMARKS:

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Page _____ of _____

Transfer No._____

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. _____ Decreed to _____

   in case of _____ vs. _____

   dated _____ 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 _____ tributary to _____

4. Date of priority _____

5. Water is used for the following purpose:

   Amount _____ for _____ purposes from _____ to _____
   (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 _____ cubic feet per second and/or _____ acre-feet per annum.

7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion

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	

Total acres _____

9. Describe any other water rights used for the same purpose as described above _____

_____

Page _____ of _____ **PART 2** Transfer No._____

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 _____ (cfs/ac-ft) for _____ purposes from _____ to _____
   Amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____
   Amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion

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	

Total acres _____

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

1. Amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____
   Amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____
   Amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____

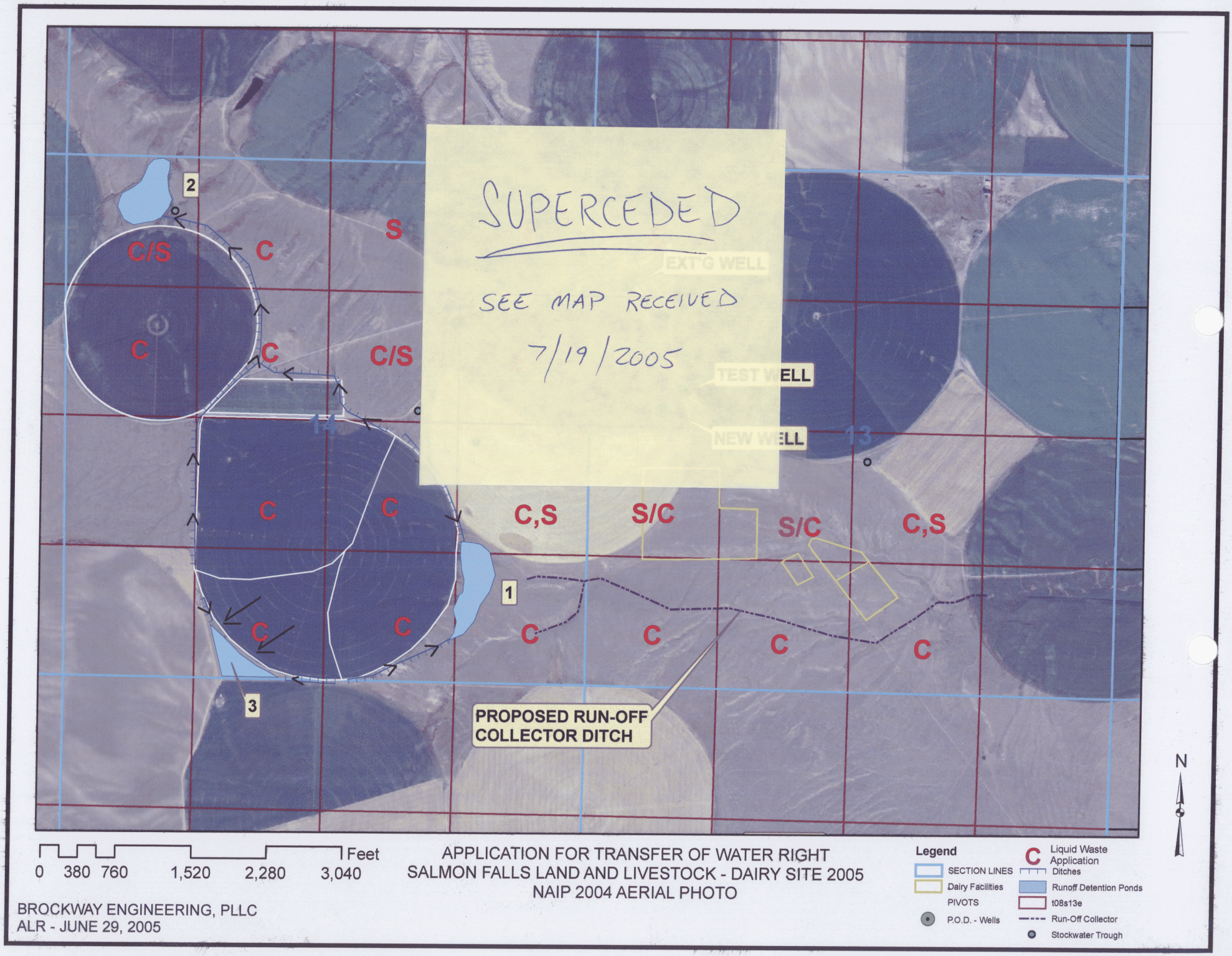
2. Point(s) of Diversion:

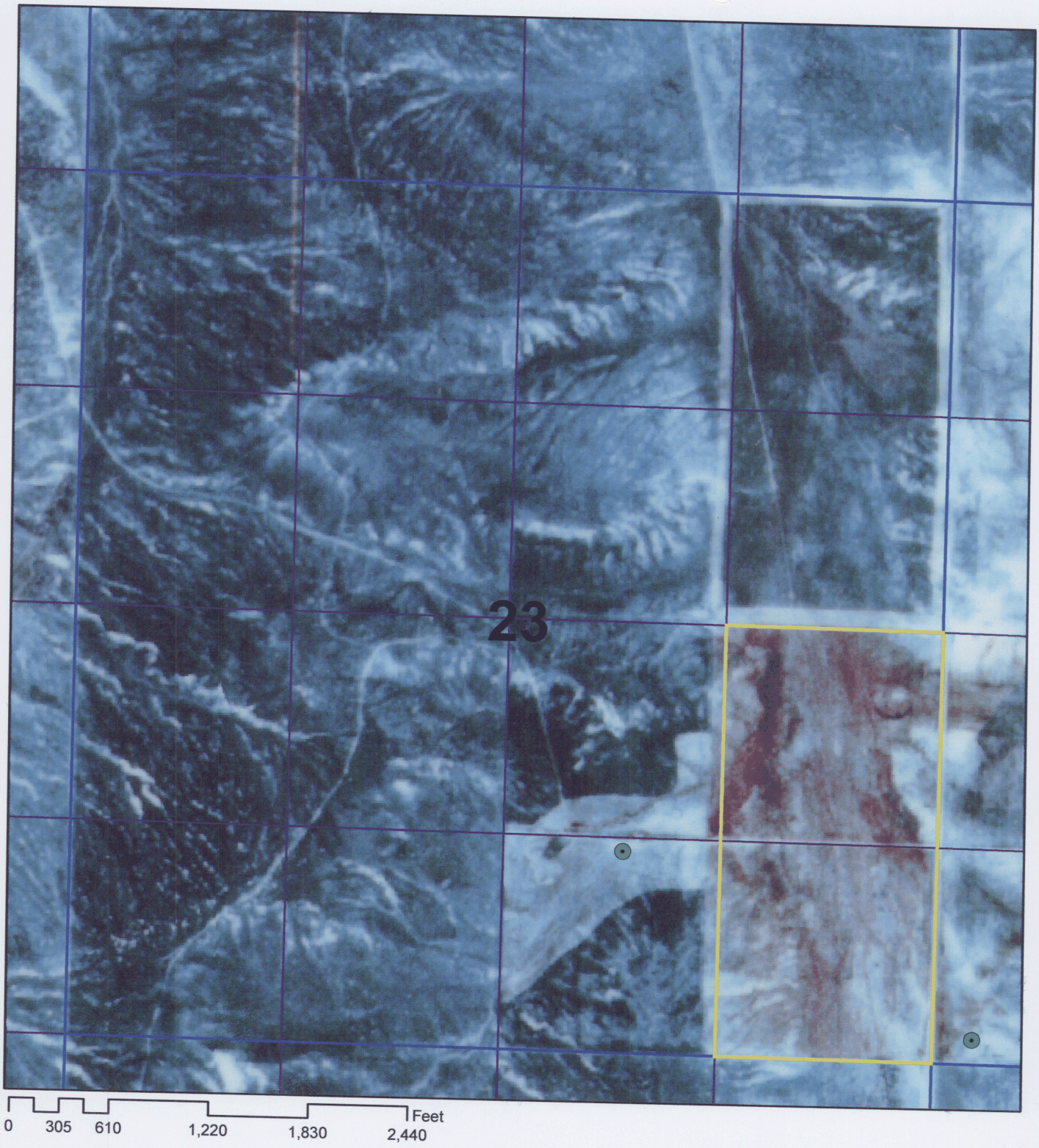
Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion

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	

Total acres _____


SUPERCEDED
SEE MAP RECEIVED
7/19/2005
EXT'G WELL
TEST WELL
NEW WELL
2
1
3
14
13
C/S
C
S
C,S
S/C
PROPOSED RUN-OFF
COLLECTOR DITCH
0 380 760 1,520 2,280 3,040 Feet
APPLICATION FOR TRANSFER OF WATER RIGHT
SALMON FALLS LAND AND LIVESTOCK - DAIRY SITE 2005
NAIP 2004 AERIAL PHOTO
BROCKWAY ENGINEERING, PLLC
ALR - JUNE 29, 2005
Legend
SECTION LINES
Dairy Facilities
PIVOTS
P.O.D. - Wells
Liquid Waste Application
Ditches
Runoff Detention Ponds
t08s13e
Run-Off Collector
Stockwater Trough
N

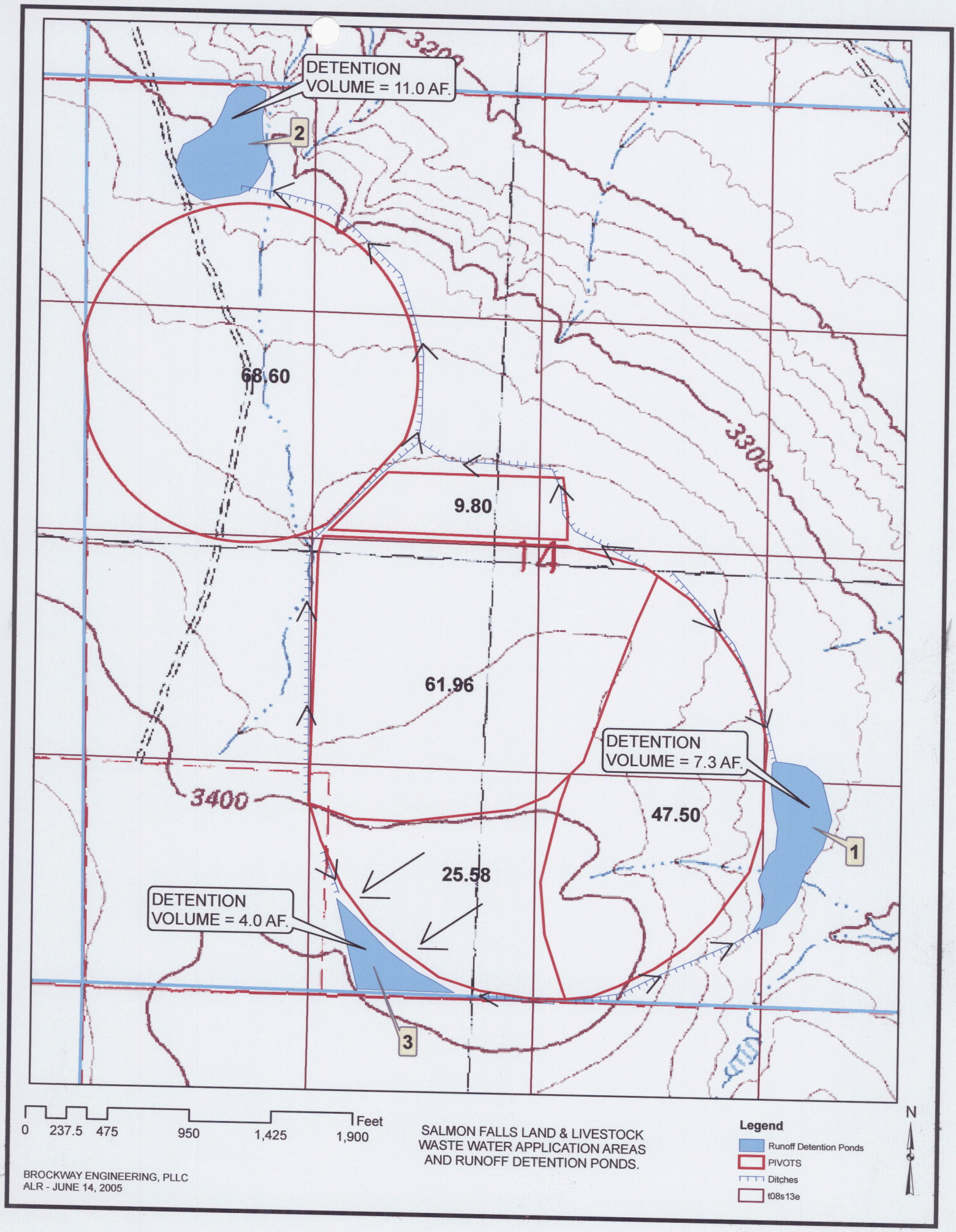


SALMON FALLS LAND & LIVESTOCK
WATER RIGHT #47-02386A
1987 INFARED AERIAL PHOTO

Legend
- SECTION LINES
- t08s12e
- WELLS
- POU

N

BROCKWAY ENGINEERING, PLLC.
ALR - JUNE 29, 2005


DETENTION
VOLUME = 11.0 AF.
2
68.60
9.80
14
61.96
DETENTION
VOLUME = 7.3 AF.
3400
47.50
1
25.58
DETENTION
VOLUME = 4.0 AF.
3
3300
0 237.5 475 950 1,425 1,900 Feet
SALMON FALLS LAND & LIVESTOCK
WASTE WATER APPLICATION AREAS
AND RUNOFF DETENTION PONDS.
Legend
Runoff Detention Ponds
PIVOTS
Ditches
t08s13e
N
BROCKWAY ENGINEERING, PLLC
ALR - JUNE 14, 2005

Page _____ of _____

Transfer No. _____

PART 3

B. CHANGES IN NATURE OF USE

1. New Nature of Use	Amount (cfs/ac-ft)	Hours/days/year	Period of Use
Stock/comm.	1.29/164.1	as needed	1-1 to 12-31
			to

2. Quantity and quality of return flows and location of discharge:

None

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

Water generated in dairy lagoons will be land applied to irrigated areas as shown and all runoff retained in basins on property owned by the applicant. Surface runoff will be diverted around the dairy site

---

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.

Chris E Bunker (power of attorney)
(Signature of Applicant)

Subscribed and sworn to before me this 30TH day of June, ~~19~~ 2005.

STATE OF IDAHO NOTARY PUBLIC JILL DAVIDSON

Jill Davidson
(Notary Public)

My commission expires November 18, 2010

FOR DEPARTMENT USE ONLY

Transfer contains _____ pages and _____ attachments

Received by C. SKINNER Date 6/30/2005 Protest filed by _____

Prelim. check by C. SKINNER Fee $290.00 S027793

Receipted by C. SKINNER Date 6/30/2005

Published in _____ 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 _____

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Southern Region

LIMITED POWER OF ATTORNEY

KNOWN ALL MEN BY THESE PRESENT:

I, Salmon Falls Land & Livestock Co. by Mike Henslee V.P, hereby nominate and appoint Charles E. Brockway, Brockway Engineering, PLLC as my attorney-in-fact with full authority to act for and on my behalf to undertake any and all acts or matters pertaining to water right transfers before the Idaho Department of Water Resources for the following water right transactions:

For water right # 47-02386A

in Twin Falls County, Idaho. Additionally, I hereby ratify and confirm any and all such acts on matters as contemplated herein.

My agent is hereby authorized to sign, seal and deliver, as my act in deed, those said instruments of writing that may be necessary or proper to carry into execution and effect the applications, and transfers above-mentioned. Further, I hereby declare that each and every application, transfer, agreement, receipt, or payment which shall be by my said agent given, made or done for the aforesaid purposes shall be as good, valid, and effectual as if they had been signed, sealed, and delivered by me in my own proper person; and I hereby undertake at all times to ratify whatsoever my said agent shall lawfully do or cause to be done in or concerning the said premises by virtue of these present. This Limited Power of Attorney will become void upon approval, denial or withdrawal of the above referenced applications.

Dated this 21 day of June 2005.

Salmon Falls Land & Livestock Co.
by Mike Henslee V.P.

Signature

Signature

State of Idaho)
) ss.
County of Twin Falls)

On this 21ST Day of June, 2001, before me, a Notary Public in and for said County and State, personally appeared Mike Henslee, known or identified to me to be the individual whose name and subscription to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

SEAL

STATE OF IDAHO
NOTARY
PUBLIC
JILL DAVIDSON

Jill

Notary Public
In and for said State and County

November 18, 2010
My Commission Expires

Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

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

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COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Salmon Falls Land and Livestock
Bell Rapids
Hagerman 8S 13E Sec 13

Revision: 9801
Run Date: 6/2/2005

Remarks: New Dairy Transfer from Irrigation well ,
no canal water. Water from test well already drilled and 1 new well. 76 acres physically out of irrigation.

Herd Information - User Input

Number of milking cows	1785
Number of dry cows	357
Number of other adult dry animals	0

Breed: Large

Calves at age:

1 month	0
2 months	0
3 months	0
4 months	0

Heifers at age:

5 months	0
15 - 18 months	0
18 - 24 months	0

ANIMAL INFORMATION
Use defaults or enter values if known

Average body weight	1400 lbs	Nearest weather station	Buhl
Milk fat percentage	3.5 %	Number of milkings/day	3
Average days dry	60		
Annual milk yield per animal	22000 lbs/year	Check: Total herd size based on days dry	2172
Percent dry matter in ration	90 %	HERD SIZE OK	

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	420	580	3	9	0.5	100	243600	217329	230465
2	250	630	3	9	0.5	100	157500	134469	145985
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	9.21	8.08	8.64

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	140	
Average line pressure	40	40	psi
Sprinkler nozzle size - primary	5/32	5/32	inches
Sprinkler nozzle size - secondary	3/32	3/32	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	24	24	minutes
Percent of days per year cows are washed	100	100	%

Number of free stalls	0	
Length of each free stall	600	feet
Width of each free stall	100	feet

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Is the feeding area flushed to lagoon?	No
Is this housing area flushed to lagoon?	No

Flushing recycle rate	Barn	Feeding	Housing
	0	0	0

CLEANING / FLUSHING VOLUMES
Use defaults or enter manufacturer volumes

Cleaning parlor floor	8300 gal	Cleaning pipeline	200 gal
Cleaning milkroom	100 gal	Cleaning equipment	50 gal
Cleaning bulk tank	150 gal		
Additional flush of holding pen (opt.)	5000 gal		

Land Application Information - User Input

Type of system	Center Pivot
Predominant cropping	FCorn
Percent of waste water which goes to meet crop irrigation requirement	90 %

Stockwater Component

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Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	20350 lbs/year
Daily average FCM yield	66.72 lbs/day
Daily average milk yield	72.13 lbs/day
Estimated DMI	48.10 lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	284.7 lbs/day or
	34.1 gal/day
As-fed feed daily intake	53.4 as-fed lb/day
Water content of feed	5.34 lb/day in feed
Drinking water intake	279.4 lb/day or
	33.5 gal/day
Drinking water requirement for lactating cows	59796 gal/day
	67.0 ac-ft/year
Maximum drinking water requirement	67.0 ac-ft/year

METHOD 2: Holter and Urban Regression equation with DMI, milk production, and dry matter %

Drinking water intake	101.7 liters/day
	26.9 gal/day
	47965 gal/day
	53.7 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	4641 gal/day
	5.2 ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	0	0.00
2 mo	0	0.00
3 mo	0	0.00
4 mo	0	0.00
5 mo	0	0.00
15-18 mo	0	0.00
18-24 mo	0	0.00
Drinking water requirement for replacement herd	0 gpd	0.00 ac-ft/year

TOTAL STOCKWATER COMPONENT 72.2 AC-FT/YEAR

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Commercial Component

Milking Parlor Water Usage Calculation

*Volume needed **per milking** in each parlor for:*

Cleaning parlor floor	8300 gal	Cleaning pipeline	200 gal
Cleaning milkroom	100 gal	Cleaning equipment	50 gal
Cleaning bulk tank	150 gal	Cleaning cows	892.5 gal

Total milking parlor volume	29077.5 gal/day
Second milking parlor volume	0 gal/day
Recycled water	0 gal/day
	32.57 ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	4.49	4.49	gpm
Output of secondary nozzle	1.61	1.61	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	0 gal/day
Total other flushing volume	0 gal/day
Recycled water	0
	0.00 ac-ft/year

TOTAL COMMERCIAL COMPONENT 32.6 AC-FT/YEAR

Consumptive Use Calculation

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A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.78	feet	
Annual open water coeff (Kohler Nordenson Fox)	0.80		
Annual open water (lagoon) evaporation	3.82	feet	
Manual override: Input annual lagoon evap		feet	
Total lagoon water surface area at full	401100	sq. ft.	
Total lagoon bottom area	351798	sq. ft.	
Average surface area when water is present	376449	sq. ft. =	8.64 ac
Total lagoon evaporation	33.05	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	21263	4296	gal/day
Percent of excrement flushed to lagoons	15	% (based on areas which are flushed)	
Consumptive use (evap.) of water in excrement	85	%	
Consumptive use (evap.) volume	21725	gal/day	
Excrement c.u. attributable to drinking water	21317	gal/day	
Total milk production - assume 100% leaves site	128754	lbs/day or	15438 gal/day
Water content of milk	13431	gal/day	
Water content attributable to drinking water	13179	gal/day	
Water use for animal metabolism	26591	gal/day	
Metabolism water attributable to drinking water	26091	gal/day	
Consumptive use - replacement herd (100%)	0	gal/day	
Total animal consumptive use from drinking water	60588	gal/day or	67.9 ac-ft/year
Percent of drinking water intake	94.0	%	

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	#N/A	ac-ft/ac/year
Irrigation diversion volume	#N/A	ac-ft/ac/year
System efficiency	#N/A	%
Waste water volume to lagoons	36.9	ac-ft/year
Waste water volume available for land application	3.8	ac-ft/year
Total crop consumptive use of waste water	#N/A	ac-ft/year

Summary

Drinking Water

Milking herd	67.0	
Non-milking herd (dry cows)	5.2	
Replacement herd (calves and heifers)	0.0	
Total drinking water volume	72.2	ac-ft/year

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Commercial

Milking parlor	32.57	
Holding pen and cleanup	0.0	
Other flushing water	0.00	
Total commercial volume	32.6	ac-ft/year
TOTAL DIVERSION VOLUME REQUIREMENT	104.8	AC-FT/YR

Consumptive Use

Lagoon evaporation	33.05	
Animal milk, excretion, & metabolism	67.9	
Parlor and holding pen cleanup	0.00	
Crop consumptive use on land application	#N/A	
Total consumptive use	#N/A	ac-ft/year
Percent of diversion volume consumed	#N/A	%
Annual crop consumptive use - IDWR allowable	3.0	afa
Equivalent irrigated acres	#N/A	acres
Diversion volume to acres conversion factor	**#N/A**	**ac-ft/ac**

ANALYSIS OF WATER RIGHT TRANSFER TO DAIRY — **Salmon Falls Land and Livestock Co**

Brockway Engineering, PLLC 6/29/2005

*****TYPICAL YEAR*****

Water rights: 47-02386A

ET determined from Allen & Brockway 1983 using average of Bliss and Castleford stations

Spring Grain ET	718 mm/year
Spring Grain CIF	658 mm/year

CURRENT

Usage: crop irrigated with groundwater as primary source

No Surface water applicable

Total irrigated area	76.0	acres (g.w.)
Canal share reliability	None	
Crop consumptive irrig.req't	2.16	ac-ft/acre (Grain [redacted])
Runoff coefficient	0.00	
Diversion volume	4.0	ac-ft/acre
Irrigation Diversion Volume	304	ac-ft/year
Maximum diversion rate	1.29	cfs

Water balance calculation:
(All values in acre-feet)

Total applied to crop	304.0
Volume supplied by canal	0.0
Volume supplied by g.w.	**304.0**
Total consumptive irrigation req't	164.1
C.U. supplied by canal	0.0
C.U. supplied by g.w.	**164.1**
Surface runoff	0.0
Recharge to aquifer	139.9
Aquifer net gain/loss	**-164.1**

AFTER TRANSFER

Usage: Dairy (1785 milking, 357 dry)

Groundwater used in dairy

Irrigated area	0.0	acres
Crop consumptive irrig.req't	2.16	ac-ft/acre (Grain [redacted])
Runoff coefficient	0.00	
Diversion volume for irrig.	4.0	ac-ft/ac
Dairy diversion volume	104.8	
Dairy consumptive use	104.8	ac-ft/yr(BROCKWAYENGRwrksht
Maximum diversion rate	1.29	cfs

Water balance calculation:
(All values in acre-feet)

Total applied to crop	0
Total volume used in dairy	104.8
Total volume needed on site	104.8
Volume supplied by canal	0.0
Volume supplied by g.w.	**104.8**
Consumptive irrig.ret't of crop	0
Consumptive use of dairy	104.8
Total consumptive req't	104.8
C.U. supplied by canal	0
C.U. supplied by g.w.	**104.8**
Surface runoff	0
Recharge to aquifer	0
Aquifer net gain/loss	**-104.8**

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Notes:

1. Canal reliability is the average fraction of crop demand (diversion volume and c.u.) the surface water is capable of supplying.
2. Dairy usage computed from Brockway Engineering worksheet

FILE NUMBER ——— Salmon Falls Land and Livestock
REVIEWER ——— CEB
DATE ——— June 29, 2005

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE	1785
NUMBER OF DRY CATTLE	357
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS	0
3-4 MONTHS	0
5-8 MONTHS	0
9-12 MONTHS	0
13-15 MONTHS	0
16-24 MONTHS	0
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING, OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS	1
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN	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.)	73
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	75
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	**0.23**
COMMERCIAL	
TOTAL	**0.23**
TOTAL DIVERSION RATE	**0.23**

DIVERSION VOLUME (AFA):

STOCKWATER	
MILKING CATTLE	60.1
DRY CATTLE	5.4
REPLACEMENT CATTLE	0.0
TOTAL	**65.5**
COMMERCIAL	
WASHING OF BULK TANK AND RELATED EQUIPMENT	0.6
BACKFLUSH	3.0
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP	3.0
CATTLE WASHING BASED UPON METHOD OF WASHING	3.0
PLATE COOLER	0.0
CORRAL MISTERS	0.0
MISCELLANEOUS USES	0.0
TOTAL	**9.6**
TOTAL DIVERSION VOLUME	**75.1**

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

STOCKWATER	**65.5**
COMMERCIAL	**9.6**
TOTAL CONSUMPTIVE USE	**75.1**

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	11.5	ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	18.8	ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	25.0	ACRES

Castleford 2 N Consumptive Use from Allen and Brockway 83
** Monthly average daily (mm/day) and Seasonal Totals (mm) **

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
ETr									
MEAN ETr	2.14	4.96	6.63	8.30	8.31	7.10	5.52	3.54	1423.
STDV ETr	0.36	0.52	0.39	0.45	0.22	0.38	0.41	0.33	37.
Alfalfa Hay									
MEAN CU		3.08	6.15	7.25	6.79	5.38	3.73	1.27	1030.
MEAN IR		2.51	5.51	6.14	6.59	5.00	3.37	0.93	924.
STDEV CU		0.32	0.36	0.40	0.18	0.29	0.27	0.12	25.
STDEV IR		0.63	0.64	1.18	0.35	0.69	0.56	0.38	53.
Alfalfa Seed									
MEAN CU		3.50	5.97	7.21	5.56	3.05	1.57	0.47	837.
MEAN IR		2.91	5.34	6.10	5.37	2.73	1.26	0.15	734.
STDEV CU		0.36	0.35	0.39	0.15	0.16	0.12	0.04	22.
STDEV IR		0.67	0.63	1.17	0.31	0.54	0.43	0.33	50.
Dry Beans									
MEAN CU			1.99	3.63	7.50	4.12			533.
MEAN IR			1.57	2.87	7.32	3.82			485.
STDEV CU			0.12	0.20	0.20	0.22			9.
STDEV IR			0.33	0.75	0.34	0.55			23.
Field Corn									
MEAN CU			1.99	3.62	7.47	6.55	4.13	0.98	760.
MEAN IR			1.53	2.77	7.27	6.16	3.78	0.67	683.
STDEV CU			0.12	0.20	0.20	0.35	0.30	0.09	17.
STDEV IR			0.36	0.82	0.36	0.76	0.57	0.35	35.
Silage Corn									
MEAN CU			1.99	3.62	7.47	6.55	4.13		730.
MEAN IR			1.53	2.77	7.27	6.16	3.78		664.
STDEV CU			0.12	0.20	0.20	0.35	0.30		17.
STDEV IR			0.36	0.82	0.36	0.76	0.57		36.
Sweet Corn									
MEAN CU			1.99	3.62	7.39	6.24			595.
MEAN IR			1.53	2.77	7.19	5.86			539.
STDEV CU			0.12	0.20	0.20	0.33			12.
STDEV IR			0.36	0.82	0.36	0.73			27.
Peas									
MEAN CU		1.50	3.76	6.73	2.91				456.
MEAN IR		1.05	3.28	5.78	2.77				397.
STDEV CU		0.16	0.22	0.37	0.08				13.
STDEV IR		0.43	0.44	1.03	0.21				38.
Potatoes									
MEAN CU		1.49	2.14	5.69	6.98	5.50	3.24		767.
MEAN IR		1.11	1.78	4.94	6.83	5.22	2.98		704.
STDEV CU		0.16	0.13	0.31	0.19	0.29	0.24		18.
STDEV IR		0.38	0.30	0.82	0.30	0.58	0.43		34.
Sugar Beets									
MEAN CU		1.49	2.00	4.11	8.05	6.95	4.74	2.28	907.
MEAN IR		0.98	1.53	3.22	7.84	6.54	4.36	1.92	812.
STDEV CU		0.16	0.12	0.22	0.21	0.37	0.35	0.21	20.
STDEV IR		0.47	0.37	0.88	0.38	0.80	0.62	0.44	44.
Spring Grain									
MEAN CU		1.52	4.67	8.26	7.16	1.58			713.
MEAN IR		1.08	4.17	7.24	6.99	1.33			643.
STDEV CU		0.16	0.27	0.45	0.19	0.08			15.
STDEV IR		0.43	0.49	1.14	0.33	0.40			39.
Winter Grain									
MEAN CU	0.98	4.54	6.63	8.30	6.62	1.30			869.
MEAN IR	0.55	3.96	6.02	7.19	6.44	1.03			775.
STDEV CU	0.16	0.47	0.39	0.45	0.18	0.07			25.

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STDEV IR	0.26	0.76	0.65	1.21	0.33	0.41		50.
Pasture								
MEAN CU		3.10	5.11	6.39	6.40	5.47	4.25	2.72 1023.
MEAN IR		2.55	4.54	5.38	6.21	5.10	3.89	2.37 922.
STDEV CU		0.32	0.30	0.35	0.17	0.29	0.31	0.25 24.
STDEV IR		0.62	0.56	1.06	0.33	0.68	0.58	0.47 51.
Orchard								
MEAN CU		2.02	3.90	6.68	7.06	6.03	4.63	2.34 1000.
MEAN IR		1.51	3.37	5.65	6.87	5.66	4.26	1.99 901.
STDEV CU		0.21	0.23	0.36	0.19	0.32	0.34	0.22 23.
STDEV IR		0.51	0.48	1.09	0.35	0.72	0.61	0.44 48.
Vegetables								
MEAN CU			2.02	4.34	6.40	5.65	3.77	681.
MEAN IR			1.66	3.65	6.25	5.36	3.50	630.
STDEV CU			0.12	0.24	0.17	0.30	0.28	16.
STDEV IR			0.30	0.72	0.28	0.59	0.46	29.
Onions								
MEAN CU		1.49	2.64	4.93	6.23	5.68	4.39	776.
MEAN IR		1.11	2.27	4.22	6.09	5.39	4.11	713.
STDEV CU		0.16	0.15	0.27	0.17	0.30	0.32	19.
STDEV IR		0.38	0.33	0.77	0.28	0.59	0.51	35.

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Bliss Consumptive Use from Allen and Brockway 83
** Monthly average daily (mm/day) and Seasonal Totals (mm) **

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	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
ETr									
MEAN ETr	2.14	5.28	6.79	8.41	8.54	7.18	5.60	3.73	1457.
STDV ETr	0.35	0.47	0.49	0.47	0.26	0.33	0.41	0.35	43.
Alfalfa Hay									
MEAN CU		3.30	6.29	7.32	6.94	5.41	3.67	1.26	1044.
MEAN IR		2.86	5.68	6.72	6.79	5.27	3.44	0.96	968.
STDEV CU		0.29	0.46	0.41	0.21	0.25	0.27	0.12	30.
STDEV IR		0.57	0.77	0.89	0.37	0.51	0.49	0.39	54.
Dry Beans									
MEAN CU			2.04	3.26	7.37	4.97	0.77		566.
MEAN IR			1.64	2.86	7.24	4.85	0.61		529.
STDEV CU			0.15	0.18	0.23	0.23	0.06		15.
STDEV IR			0.40	0.53	0.35	0.44	0.28		31.
Field Corn									
MEAN CU			2.04	3.66	7.68	6.63	4.19	1.04	774.
MEAN IR			1.59	3.20	7.53	6.48	3.97	0.76	721.
STDEV CU			0.15	0.21	0.24	0.30	0.31	0.10	20.
STDEV IR			0.43	0.61	0.38	0.57	0.52	0.36	36.
Silage Corn									
MEAN CU			2.04	3.66	7.68	6.63	4.19		742.
MEAN IR			1.59	3.20	7.53	6.48	3.97		698.
STDEV CU			0.15	0.21	0.24	0.30	0.31		19.
STDEV IR			0.43	0.61	0.38	0.57	0.52		38.
Sweet Corn									
MEAN CU			2.04	3.53	7.47	6.38			598.
MEAN IR			1.59	3.07	7.32	6.23			561.
STDEV CU			0.15	0.20	0.23	0.29			16.
STDEV IR			0.43	0.60	0.38	0.55			34.
Peas									
MEAN CU		1.60	3.85	6.82	2.99				464.
MEAN IR		1.25	3.39	6.30	2.89				420.
STDEV CU		0.14	0.28	0.38	0.09				17.
STDEV IR		0.39	0.53	0.78	0.21				39.
Potatoes									
MEAN CU		1.58	2.19	5.77	7.17	5.57	3.29		781.
MEAN IR		1.29	1.85	5.36	7.06	5.46	3.12		738.
STDEV CU		0.14	0.16	0.32	0.22	0.26	0.24		21.
STDEV IR		0.34	0.37	0.63	0.32	0.44	0.39		39.
Sugar Beets									
MEAN CU		1.58	2.04	3.91	8.14	7.06	4.86	2.48	921.
MEAN IR		1.20	1.59	3.43	7.98	6.90	4.62	2.17	854.
STDEV CU		0.14	0.15	0.22	0.25	0.32	0.36	0.24	23.
STDEV IR		0.42	0.44	0.63	0.40	0.60	0.57	0.48	45.
Spring Grain									
MEAN CU		1.65	5.11	8.39	7.05	1.47			722.
MEAN IR		1.31	4.62	7.83	6.92	1.37			673.
STDEV CU		0.15	0.37	0.47	0.22	0.07			23.
STDEV IR		0.38	0.62	0.89	0.34	0.27			46.
Winter Grain									
MEAN CU	0.98	4.82	6.79	8.41	6.80	1.32			888.
MEAN IR	0.56	4.37	6.20	7.81	6.67	1.21			817.
STDEV CU	0.16	0.43	0.49	0.47	0.21	0.06			31.
STDEV IR	0.34	0.69	0.78	0.93	0.35	0.28			58.
Pasture									
MEAN CU		3.27	5.23	6.47	6.57	5.53	4.32	2.88	1047.
MEAN IR		2.85	4.68	5.92	6.44	5.39	4.09	2.56	975.
STDEV CU		0.29	0.38	0.36	0.20	0.25	0.32	0.27	29.

STDEV IR	0.55	0.67	0.80	0.34	0.50	0.53	0.51	51.
Vegetables								
MEAN CU		2.07	4.40	6.57	5.72	3.83		692.
MEAN IR		1.73	4.03	6.47	5.61	3.65		658.
STDEV CU		0.15	0.25	0.20	0.26	0.28		18.
STDEV IR		0.36	0.54	0.30	0.45	0.43		32.

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Well Interference Analysis Salmon Falls Land and Livestock Dairy

Estimated Well Drawdown Avg Annual Pumping Rate= 0.32 cfs (235.9 acre feet/year)

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C.E. BROCKWAY June 13, 2005 Brockway Engineering P.L.L.C.

AQUIFER PROPERTIES BASED ON USBR GROUNDWATER MANUAL-FRACTURED IGNEOUS ROCK
LITHOLOGY AND WELL PERFORMANCE BASED ON TEST WELL DRILLED 9/8/1999
AND PUMPING TEST
EST. HOLE DIA. 10 IN.

USING THEIS FORMULA S=114.6*Q/T*W(U)
S= DRAWDOWN IN FT
Q= PUMPING RATE GPM
T= COEFFICIENT OF TRANSMISSIBILITY GPD/FT
W = WELL FUNCTION OF 'U'

W(U)=-.5772-LOGeU +U-U^2/(2*2!)+U^3/(3*3!)-U^4/(4*4!) .....
U=1.87*r^2*S/(T*t)
r=DISTANCE IN FT. FROM CENTER OF PUMPED WELL TO DRAWDOWN POINT
S=COEFFICIENT OF STORAGE
T=COEFFICIENT OF TRANSMISSIBILITY, GPD/FT
t= TIME SINCE PUMPING STARTED, DAYS

INPUT

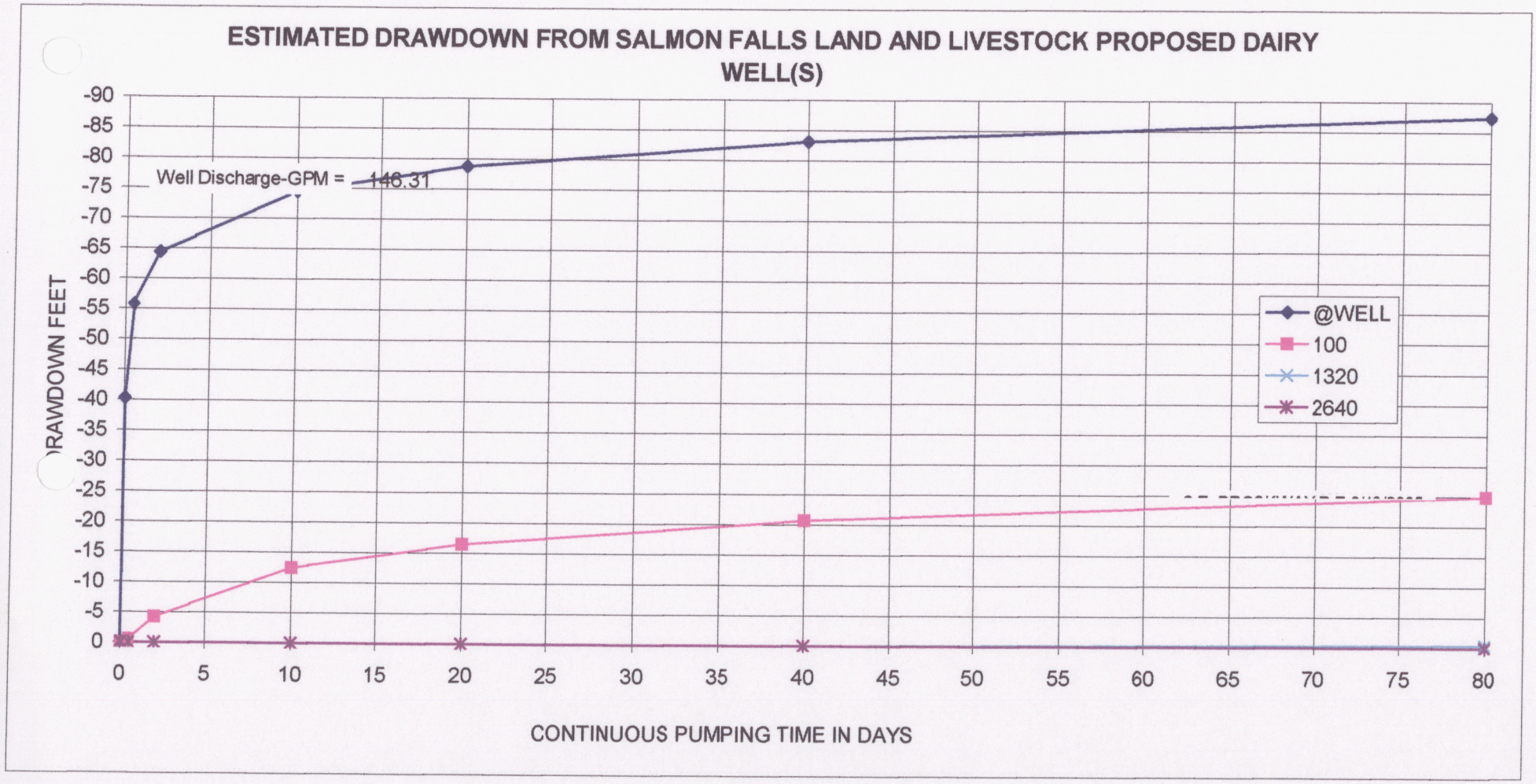
r1=	0.667	FT	K=	0.90	FT/DAY
r2=	100	FT	K=	1.042E-05	CFS/FT^2
r3=	1320	FT	K=	6.71E+00	GPD/FT^2
r4=	2640	FT WRIGHT	SAT. DEPTH EST.=	400	FT
r5=	5280	FT	TRANSMISSIVITY=	2686	GPD/FT
S=	0.12		TRANSMISSIVITY=	4.16E-03	FT^2/SEC
T=	2686	GPD/FT	TRANSMISSIVITY=	359.0	FT^2/DAY
Q WELL	146.31	GPM =	0.326	CFS	

TIME	TIME	U	WELL	DRAW	U	WELL	DRAW	U	WELL	DRAW	U	WELL	DRAW
	t	w/r1	FUNCT.	DOWN	W/r2	FUNCT.	DOWN @	W/r3	FUNCT.	DOWN @	W/r4	FUNCT.	DOWN @
HOURS	DAYS	0.66666667	W(U)1	@WELL	100	W(U)2	100	1320	W(U)3	1320	2640	W(U)4	2640
1	0.04	8.913E-04	6.4466	40.25	2.005E+01	0.0000	0.00	3.494E+03	0.0000	0.00	1.398E+04	0.0000	0.00
12	0.50	7.427E-05	8.9306	55.76	1.671E+00	0.0778	0.49	2.912E+02	0.0000	0.00	1.165E+03	0.0000	0.00
48	2.00	1.857E-05	10.3169	64.41	4.178E-01	0.6735	4.20	7.279E+01	0.0000	0.00	2.912E+02	0.0000	0.00
240	10.00	3.714E-06	11.9263	74.46	8.356E-02	1.9869	12.40	1.456E+01	0.0000	0.00	5.824E+01	0.0000	0.00
480	20.00	1.857E-06	12.6194	78.79	4.178E-02	2.6395	16.48	7.279E+00	0.0000	0.00	2.912E+01	0.0000	0.00
960	40.00	9.284E-07	13.3126	83.11	2.089E-02	3.3121	20.68	3.640E+00	0.0032	0.02	1.456E+01	0.0000	0.00
1920	80.00	4.642E-07	14.0057	87.44	1.044E-02	3.9949	24.94	1.820E+00	0.0629	0.39	7.279E+00	0.0000	0.00

Well Interference-Avg pump

HOURS	DAYS	@WELL	100	1320	2640 DISTANCE FEET
0	0.00	0	0	0	0
1	0.04	-40.25	0.00	0.00	0.00
12	0.50	-55.76	-0.49	0.00	0.00
48	2.00	-64.41	-4.20	0.00	0.00
240	10.00	-74.46	-12.40	0.00	0.00
480	20.00	-78.79	-16.48	0.00	0.00
960	40.00	-83.11	-20.68	-0.02	0.00
1920	80.00	-87.44	-24.94	-0.39	0.00

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Well Interference Analysis Salmon Falls Land and Livestock Dairy

Estimated Well Drawdown Maximum Pumping Rate=1.29 cfs

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C.E. BROCKWAY October 12, 1999 Brockway Engineering P.L.L.C.

AQUIFER PROPERTIES BASED ON USBR GROUNDWATER MANUAL-FRACTURED IGNEOUS ROCK
LITHOLOGY AND WELL PERFORMANCE BASED ON TEST WELL DRILLED 9/8/1999
AND PUMPING TEST
EST. HOLE DIA. 10 IN.

USING THEIS FORMULA S=114.6*Q/T*W(U)
S= DRAWDOWN IN FT
Q= PUMPING RATE GPM
T= COEFFICIENT OF TRANSMISSIBILITY GPD/FT
W = WELL FUNCTION OF 'U'

W(U)=-.5772-LOGeU +U-U^2/(2*2!)+U^3/(3*3!)-U^4/(4*4!) .....
U=1.87*r^2*S/(T*t)
r=DISTANCE IN FT. FROM CENTER OF PUMPED WELL TO DRAWDOWN POINT
S=COEFFICIENT OF STORAGE
T=COEFFICIENT OF TRANSMISSIBILITY, GPD/FT
t= TIME SINCE PUMPING STARTED, DAYS

INPUT

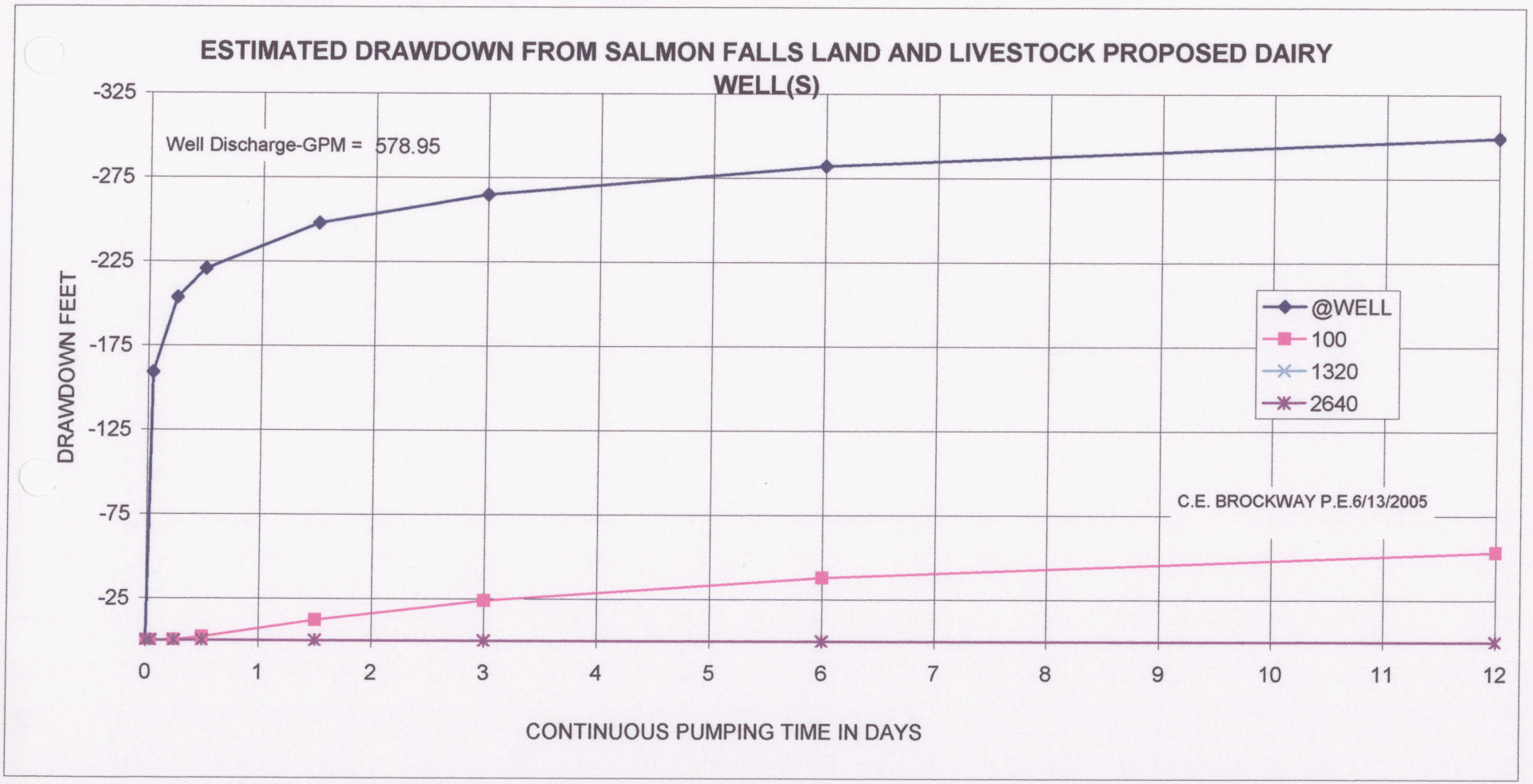
r1=	0.667	FT	K=	0.90	FT/DAY
r2=	100	FT	K=	1.042E-05	CFS/FT^2
r3=	1320	FT	K=	6.71E+00	GPD/FT^2
r4=	2640	FT WRIGHT	SAT. DEPTH EST.=	400	FT
r5=	5280	FT	TRANSMISSIVITY=	2686	GPD/FT
S=	0.12		TRANSMISSIVITY=	4.16E-03	FT^2/SEC
T=	2686	GPD/FT	TRANSMISSIVITY=	359.0	FT^2/DAY
Q WELL	578.95	GPM =	1.290	CFS	

TIME	TIME	U	WELL	DRAW	U	WELL	DRAW	U	WELL	DRAW	U	WELL	DRAW
	t	w/r1	FUNCT.	DOWN	W/r2	FUNCT.	DOWN @	W/r3	FUNCT.	DOWN @	W/r4	FUNCT.	DOWN @
HOURS	DAYS	0.66666667	W(U)1	@WELL	100	W(U)2	100	1320	W(U)3	1320	2640	W(U)4	2640
1	0.04	8.913E-04	6.4466	159.26	2.005E+01	0.0000	0.00	3.494E+03	0.0000	0.00	1.398E+04	0.0000	0.00
6	0.25	1.485E-04	8.2376	203.51	3.342E+00	0.0074	0.18	5.824E+02	0.0000	0.00	2.329E+03	0.0000	0.00
12	0.50	7.427E-05	8.9306	220.63	1.671E+00	0.0778	1.92	2.912E+02	0.0000	0.00	1.165E+03	0.0000	0.00
36	1.50	2.476E-05	10.0292	247.77	5.570E-01	0.4961	12.26	9.706E+01	0.0000	0.00	3.882E+02	0.0000	0.00
72	3.00	1.238E-05	10.7223	264.90	2.785E-01	0.9613	23.75	4.853E+01	0.0000	0.00	1.941E+02	0.0000	0.00
144	6.00	6.189E-06	11.4155	282.02	1.393E-01	1.5288	37.77	2.426E+01	0.0000	0.00	9.706E+01	0.0000	0.00
288	12.00	3.095E-06	12.1086	299.14	6.963E-02	2.1558	53.26	1.213E+01	0.0000	0.00	4.853E+01	0.0000	0.00

Well Interference-Max pump

HOURS	DAYS	@WELL	100	1320	2640 DISTANCE FEET
0	0.00	0	0	0	0
1	0.04	-159.26	0.00	0.00	0.00
6	0.25	-203.51	-0.18	0.00	0.00
12	0.50	-220.63	-1.92	0.00	0.00
36	1.50	-247.77	-12.26	0.00	0.00
72	3.00	-264.90	-23.75	0.00	0.00
144	6.00	-282.02	-37.77	0.00	0.00
288	12.00	-299.14	-53.26	0.00	0.00

RECEIVED
JUN 30 2005
Department of Water Resources
Southern Region



BEFORE THE IDAHO DEPARTMENT OF WATER RESOURCES

IN THE MATTER OF THE APPLICATION FOR TRANSFER OF WATER RIGHTS WATER RIGHT NO. 47-0236A) COMMENTS AND) EVIDENCE OF) HARRY LEMOYNE

COMES NOW, Harry Lemoyne, and provides the following comments and evidence in this matter:

1. I have lived in the Hagerman, Idaho area for over 60 years and owned and farmed the land in the SE1/4 T8S 12E Section 23 until about 1991.
2. I am familiar with the two irrigation wells on the farm in Sections 23 and 24 and the irrigated land in Section 23.
3. During my tenure on the farm, we grew primarily barley and small grains using the two wells which were connected by a mainline.
4. The land and water right 47-0236A weres sold to Salmon Falls Land and Livestock in 1991..

DATED this 29 day of June, 2005

Harry LeMoyne

Sate of Idaho)
)SS
County of Twin Falls)

On this 27 day of June in the year of 2005, before me A.J. Whitecotton, a notary public personally appeared Harry LeMoyne personally known to me to be the person(s) whose name (s) is (are) subscribed to the within instrument, and acknowledged to me that he (she) (they) executed the same.

A.J. Whitecotton, Twin Falls, Id
Notary Public

AJ WHITECOTTON NOTARY PUBLIC STATE OF IDAHO

My Commission Expires On: 3/26/07

FURNISHED BY Land Title and Escrow, Inc.

RECEIVED
JUN 30 2005
Department of Water Resources
Southern Region

35740

WARRANTY DEED

For Value Received

HIGHLAND RANCH, a partnership, and HIGHLAND RANCH, INC., an Idaho corporation

Hereinafter called the Grantor, hereby grants, bargains, sells and conveys unto
SALMON FALLS LAND & LIVESTOCK COMPANY, an Idaho corporation
Address: c/o James Henslee
123 Bell Rapids Road
Hagerman, Idaho 83332
Hereinafter called the Grantee, the following described premises situated in Twin Falls County, Idaho, to-wit:

See attached Exhibit "A" for legal description.

TOGETHER WITH all water and water rights, ditches and ditch rights used thereon or appurtenant thereto including but not limited to A02-10005B, A02-07249B and A36-04260C.

SUBJECT TO:

All reservations in Patents or Deeds in the chain of title.

Taxes for 1994 and subsequent years.

Easement from the United States Department of Interior, Bureau of Land Management to Magic Water Company, dated November 23, 1964, recorded March 24, 1966, as Instrument No. 562366, in Book 218 of Deeds, page 2329, records of Twin Falls County, Idaho.

Easement for roadway purposes 15 feet in width as contained in Corrected Quitclaim Deed from Robert H. Brailsford, a married man dealing with his sole and separate property to Arthur K. Simpson, Trustee of the Plateau Trust, dated November 1, 1980, recorded February 3, 1981, as Instrument No. 796972, records of Twin Falls County, Idaho.

Easement from Arthur K. Simpson, Trustee of the Plateau Trust to the Idaho Power Company, recorded August 20, 1986, as Instrument No. 907311, records of Twin Falls County, Idaho.

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 incumberances except as above described and that Grantor will warrant and defend the same from all lawful claims whatsoever.

Dated: October 4, 1994

HIGHLAND RANCH, a partnership

By: _____
David R. Price, Partner

HIGHLAND RANCH, INC., an Idaho corporation

By: _____
David R. Price, President
ATTEST: _____
Paul H. Duncan, Secretary

STATE OF IDAHO, COUNTY OF

On this day of , 19 , before me, a notary public in and for said State, personally appeared

known to me to be the person whose name subscribed to the within instrument, and acknowledged to me that executed the same.

Notary Public
Residing at , Idaho.
Commission expires:

See attached Exhibit "B" for acknowledgements

TWIN FALLS COUNTY, IDAHO
RECORDED FOR: TITLEFACT, Inc.
1994 OCT -7 P 1:03 19940176321
ROBERT S. FORT
EX-OFFICIO RECORDER
FEE: 9.00 DEPUTY LF

STATE OF IDAHO)
: ss.
County of Cassia)

On this 5th day of October, 1994, before me, the undersigned, a Notary Public in and for said State, personally appeared DAVID R. PRICE, known or identified to me to be the partner or one of the partners in the Partnership of Highland Ranch, and the partner or one of the partners who subscribed said Partnership name to the foregoing instrument, and acknowledged to me that he executed the same in said Partnership name.

NANCY GARRETT
☆ NOTARY PUBLIC ☆
STATE OF IDAHO
RESIDING AT BURLEY, ID
MY COMMISSION EXPIRES 2-5-96

Nancy Garrett
Notary Public
Residing at: Burley
My Commission expires: 2-5-96

STATE OF IDAHO)
: ss.
County of Cassia)

On this 5th day of October, 1994, before me, the undersigned, a Notary Public in and for said State, personally appeared DAVID R. PRICE and PAUL H. DUNCAN, known or identified to me to be the President and Secretary of the corporation that executed the instrument or the person who executed the instrument on behalf of said corporation, and acknowledged to me that such corporation executed the same.

NANCY GARRETT
☆ NOTARY PUBLIC ☆
STATE OF IDAHO
RESIDING AT BURLEY, ID
MY COMMISSION EXPIRES 2-5-96

Nancy Garrett
Notary Public
Residing at: Burley
My Commission expires: 2-5-96

Exhibit "A"

TOWNSHIP 8 SOUTH, RANGE 13 EAST, BOISE MERIDIAN, TWIN FALLS COUNTY, IDAHO

Section 11: SW¼; E½SE¼; SW¼SE¼
Section 12: S½
Section 13: All
Section 14: N½; E½SW¼; N½SE¼; SW¼SE¼

TOWNSHIP 8 SOUTH, RANGE 14 EAST, BOISE MERIDIAN, TWIN FALLS COUNTY, IDAHO

Section 7: Lots 7,8; SE¼SW¼; W½SE¼
Section 18: E½NW¼; W½NE¼; Lots 1,2,3 and 4

TOWNSHIP 8 SOUTH, RANGE 13 EAST, BOISE MERIDIAN, TWIN FALLS COUNTY, IDAHO

Section 11: NW¼SE¼

TOWNSHIP 8 SOUTH, RANGE 13 EAST, BOISE MERIDIAN, TWIN FALLS COUNTY, IDAHO

Section 10: S½S½SE¼
Section 11: S½N½NE¼; S½NE¼
Section 12: S½NW¼NW¼; N½S½NE¼
Section 15: N½NE¼; N½S½NE¼
All Subject to Twin Falls County Highway Right of Way

copy KH

39170fc
TitleFact, Inc.
163 Fourth Avenue North
P.O. Box 486
Twin Falls, Idaho 83303

TWIN FALLS COUNTY, IDAHO
RECORDED FOR:
1996 OCT -2 A 10:56
ROBERT S. FORT
EX-OFFICIO RECORDER
FEE: 6.00 DEPUTY: Slo

TITLEFACT, Inc.
199601706

RECEIVED
JUN 30 2005
Department of Water Resources
Southern Region

***** *SPACE ABOVE FOR RECORDER* *****

WARRANTY DEED

FOR VALUE RECEIVED **ALICE I. LeMOYNE TESTAMENTARY TRUST, dated March 27, 1991 and KEITH L. SLIGAR, a married man dealing with his sole and separate property AND WILLIAM J. SLIGAR AND** ~~MARGARET~~ **SLIGAR, husband and wife,** hereinafter called the grantor, hereby grants, bargains, sells and conveys unto **SALMON FALLS LAND & LIVESTOCK COMPANY, an Idaho corporation,** hereinafter called grantee, whose address is: **123 BELL RAPIDS ROAD, HAGERMAN, IDAHO 83332**, the following described premises, in Twin Falls County, Idaho, to-wit:

Township 8 South, Range 12 East, Boise Meridian, Twin Falls County, Idaho
Section 23: SE¼
SUBJECT TO: Twin Falls County Highway Right of Way

Section 24: SW¼
SUBJECT TO: Twin Falls County Highway Right of Way
TOGETHER WITH: Water right No. 47-02386 and Claim No. A47-10045 for stock water

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

Dated: September 27, 1996

ALICE I. LeMOYNE TESTAMENTARY TRUST

Henri LeMoyne
HENRI LEMOYNE, JOINT CO-TRUSTEE

George Anthony Prater
GEORGE ANTHONY PRATER, JOINT CO-TRUSTEE

Keith L Sligar
KEITH L. SLIGAR

William J Sligar
WILLIAM J. SLIGAR

Margaret Sligar
MARGARET SLIGAR

* * * * * * *

STATE OF IDAHO
County of Twin Falls

On the 1st day of October, 1996, before me, a Notary Public in and for said State, personally appeared **HENRI LEMOYNE AND GEORGE ANTHONY PRATER,** known or identified to me to be the Joint Co-Trustees of the **ALICE I. LeMOYNE TESTAMENTARY TRUST, dated March 27, 1991** that executed this instrument, or the persons who executed the instrument on behalf of said Trust, and acknowledged to me that they executed the same as such Trustees.

Frances E. Clifton
Notary Public for Idaho
Residing in Twin Falls
Commission Expires 1-20-98

FRANCES E. CLIFTON NOTARY PUBLIC STATE OF IDAHO

* *

STATE OF IDAHO
County of Twin Falls

On this 1st day of October, 1996, before me, a Notary Public in and for said State, personally appeared **KEITH L. SLIGAR, a married man dealing with his sole and separate property,** known or identified to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same.

IN WITNESS HEREOF I have hereunto set my hand and official seal the day and year first above written.

Frances E. Clifton
Notary Public for Idaho
Residing in: Twin Falls
Commission Expires: 1-20-98

FRANCES E. CLIFTON NOTARY PUBLIC STATE OF IDAHO

* *

STATE OF IDAHO
County of Twin Falls

On this 1st day of October, 1996, before me, a Notary Public in and for said State, personally appeared **WILLIAM J. SLIGAR,** known or identified to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same.

IN WITNESS HEREOF I have hereunto set my hand and official seal the day and year first above written.

Frances E. Clifton
Notary Public for Idaho
Residing at: Twin Falls
Commission Expires: 1-20-98

FRANCES E. CLIFTON NOTARY PUBLIC STATE OF IDAHO

* * *

STATE OF IDAHO
County of Twin Falls

On this 2nd day of October, 1996, before me, a Notary Public in and for said State, personally appeared **MARGARET SLIGAR,** known or identified to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same.

IN WITNESS HEREOF I have hereunto set my hand and official seal the day and year first above written.

Frances E. Clifton
Notary Public for Idaho
Residing at: Twin Falls
Commission Expires: 1-20-98

FRANCES E. CLIFTON NOTARY PUBLIC STATE OF IDAHO

LeMoyne Realty & Appraisals, Inc.

HENRI LEMOYNE
1346 FILLMORE STREET
P.O. BOX 5225
PHONE (208) 733-0874
FAX (208) 733-8475
e-mail henri@lemoynerealty.com
TWIN FALLS, IDAHO 83303-5225



May 10, 2005

RECEIVED
JUN 30 2005
Department of Water Resources
Southern Region

Mike Hensley
123 Bell Rapids Road
Hagerman, Idaho 83332

Dear Mr. Hensley:

Please accept this letter as an authorization from the Alice LeMoyne Trust, in your application to transfer a water right. As Trustee for the Alice LeMoyne Trust, I am authorizing you to transfer Water Right 47-02386A, in the amount of 1.29 cfs from points of diversion in Township 8 South, Range 12 East, Sections 23 and 24 to a new point of diversion in Township 8 South, Range 13 East, Section 13.

Please contact me if you have any further questions or concerns.

Very truly yours,

Henri LeMoyne, Trustee
Alice LeMoyne Trust

HL/aw

Metropolitan Life Insurance Company
Agricultural Investments
Denver Regional Office
5445 DTC Parkway, Suite 920
Greenwood Village, CO 80111
Tel 303 694-6280 Fax 303 694-6294

James B. O'Riley
Regional Manager
Chester D. ("Chet") Haines
Assistant Manager

MetLife®

RECEIVED
JUN 30 2005
Department of Water Resources
Southern Region

May 16, 2005

Mr. Mike Henslee
SALMON FALLS LAND & LIVESTOCK
123 Bell Rapids Road
Hagerman, ID 83332

VIA FACSIMILE: (208) 837-4076, with hard copy to follow via regular mail.

RE: MetLife Loan X17 00 03 – SALMON FALLS LAND & LIVESTOCK – Twin Falls & Owyhee Counties, Idaho

Dear Mike:

Per your request, this is to advise that MetLife hereby consents to the transfer of Idaho Water Right 47-02386A to the property securing the above loan. MetLife currently does not have a lien against said water right. It is my understanding that the point of use for this right will be transferred from it's current place of use to Section 13, T8S, R13E, Twin Falls County, Idaho. It is also my understanding that the right is in the process of being moved for commercial usage in conjunction with your proposed dairy.

You may address any questions directly to me at the above address.

Sincerely,

Chester D. Haines
Assistant Manager

CC: Eric Haggerty

#44123FC

RECEIVED
JUN 30 2005
Department of Water Resources
Southern Region

Twin Falls County, Idaho
Recorded for:
TITLEFACT
01:17pm Apr.13,2000
2000 – 005500
No. of Pages: 2 Fee: $6.00
ROBERT S. FORT
Ex-Officio Recorder
Deputy: SL

WARRANTY DEED

DATED JANUARY 10, 199C

FOR VALUE RECEIVED, THE ROBERT H. BRAILSFORD TRUST, the Grantor, does hereby grant, bargain, sell and convey unto SALMON FALLS LAND & LIVESTOCK COMPANY, an Idaho corporation, the Grantee, whose address is 123 Bell Rapids Road, Hagerman, ID 83332, the following described premises, to-wit:

Township 8 South, Range 13 East, Boise Meridian, Twin Falls County, Idaho
Section 14: SE¼ SE¼
SUBJECT TO: Highway District right of way.

Township 8 South, Range 14 East, Boise Meridian, Twin Falls County, Idaho
Section 18: E½SW ¼ and W ½SE¼
SUBJECT TO: Highway District right of way.

TOGETHER WITH AND SUBJECT TO: An easement for roadway purposes 15 feet in width as contained in Corrected Quitclaim Deed from Robert H. Brailsford, married man dealing with his sole and separate property, to Arthur K. Simpson, Trustee of the Plateau Trust, dated November 1, 1980, recorded February 3, 1981, as Instrument No. 796972, records of Twin Falls County, Idaho.

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee, its heirs, successors and assigns forever. And the said Grantor does hereby covenant to and with the said Grantee, that the Grantor is the owner in fee simple of said premises; that said premises are free from all encumbrances except those of record or apparent and that Grantor will warrant and defend the same from all lawful claims whatsoever.

DATED this 13th day of April, 2000.

THE ROBERT H. BRAILSFORD TRUST
DATED ~~JANUARY~~ 10, 1990

By _____, Trustee
JOHN R. MAAKESTAD, Trustee

STATE OF IDAHO)
: ss.
COUNTY OF Twin Falls)

On this 13th day of April, 2000, before me, the undersigned, a Notary Public for Idaho, personally appeared JOHN R. MAAKESTAD, known or identified to me to be the person whose name is subscribed to the foregoing instrument, as trustee of The Robert H. Brailsford Trust, and acknowledged to me that he executed the same as such trustee.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

FRANCES E. CLIFTON NOTARY PUBLIC STATE OF IDAHO

Frances E. Clifton

_____, Trustee

Notary Public for Idaho
Residing at: Twin Falls
Commission Expires: 1/20/2004