

Page 1 of 10STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESTransfer No. 72427APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1Name of applicant Steven D., Maria & Roy M. Young Phone (208) 436-7550
Post Office address PO Box 307 Rupert, ID 83350

RECEIVED

A. PURPOSE OF TRANSFER

NOV 16 2005

1. ☒ Change point of diversion ☒ Add diversion point ☒ Change place of use ☒ Change nature of use ☒ Change period of use ☒ Other Split Right Department of Water Resources
Southern Region
2. Describe the reason for the proposed changes This transfer seeks to transfer a portion of water from irrigation use to stockwater & commercial uses - Site K-13.

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

1. Right Number 16387 Priority 2/25/1953 Amount (cfs/ac-ft) 1.29/343¹ Nature of Use Stock/Comm. Period of Use 1/1 to 12/31
2. Total amount of water being transferred 1.29 cubic feet per second and/or 343 acre-feet per annum.
3. Source of water Ground Water tributary to _____
4. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	NE	NE	NE	24	7S	23E	Minidoka	Existing Well
	NE	NE	NE	24	7S	23E	Minidoka	Proposed new back-up well

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	
7S	23E	13													S/C	S/C	S/C	S/C	S/C
		24	S/C	S/C															S/C

WITHDRAWN

PART 1

6. General Information:

- a. Description of diversion system Existing well is currently authorized point of diversion for irrigation rights which will no longer be diverted at this well.
- 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:
Total irrigation within current POU will be reduced 118.8 acres to provide water for new dairy.
- d. Remarks:
¹Consumptive volume shown based on 118.8 ac. @ 2.89 af/ac in Minidoka Dam area (per Allen & Brockway, 1983) - see attached FSA record & 1987 aerial photo.

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 10Transfer No. 72427STATE 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. 36-16365 issued by the Idaho Department of Water Resources.
- c. Claim No. _____ on file with the Idaho Department of Water Resources.
- d. Transfer No. 5761, et. al. 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 2/25/1953

5. Water is used for the following purpose:

Amount 2.16/793.2 for Irrigation purposes from 3/15 to 11/15
(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 2.16 cubic feet per second and/or 793.2 acre-feet per annum.

7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
								See Attachments
								for P.O.D. & P.O.U.

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 198.39. Describe any other water rights used for the same purpose as described above See attached water right list.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2

A. DESCRIPTION OF RIGHT AS RECORDED

7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	NE	NW	26	6S	23E	MINIDOKA	
	SW	NE	SW	26	6S	23E	MINIDOKA	
	NW	NW	NE	33	6S	23E	LINCOLN	
	NE	SE	SW	33	6S	23E	LINCOLN	
	SW	NE	NE	31	6S	24E	MINIDOKA	
7	SE	NE	SW	31	6S	24E	MINIDOKA	
	SE	SE	NE	32	6S	24E	MINIDOKA	
	NW	NW	SW	32	6S	24E	MINIDOKA	
	NE	SW	NW	33	6S	24E	MINIDOKA	
	SW	SE	SW	33	6S	24E	MINIDOKA	
	NE	NE	SW	01	7S	23E	MINIDOKA	
3	NE	NE	NW	03	7S	23E	MINIDOKA	
	SE	SE	NW	11	7S	23E	MINIDOKA	
	SE	NW	SW	11	7S	23E	MINIDOKA	
	NE	SW	SE	11	7S	23E	MINIDOKA	
	SW	SE	NE	12	7S	23E	MINIDOKA	
	NW	SE	NW	12	7S	23E	MINIDOKA	
	NW	SE	SW	12	7S	23E	MINIDOKA	
	NE	SW	NE	13	7S	23E	MINIDOKA	
	NE	SW	NW	13	7S	23E	MINIDOKA	
	SE	NE	SW	14	7S	23E	MINIDOKA	
	NE	NE	NE	24	7S	23E	MINIDOKA	
	NE	SW	SW	24	7S	23E	MINIDOKA	
	NW	NE	SE	04	7S	24E	MINIDOKA	
	NE	NE	SE	06	7S	24E	MINIDOKA	
	SW	NW	NE	07	7S	24E	MINIDOKA	
	NW	SW	NW	11	7S	24E	MINIDOKA	
	NE	NW	SW	16	7S	24E	MINIDOKA	
	SE	SW	NE	20	7S	24E	MINIDOKA	

Please note, wells indicated are currently listed under 36-16365, verification of all POD's is being prepared

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

A. DESCRIPTION OF RIGHT AS RECORDED

8. Lands irrigated or place of use: **##** Denotes BLM property

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	
6S	23E	26					33	33	33	33	33	33	33	33					264
		32									30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	244
		33	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	520
		36												7			20	9	36
6S	24E	28										33	38	39					110
		29																35	35
		30															15	30	45
		31	39	40	35	29	lot 1 8		lot 4,5 29	lot 6 15	lot 7 38	lot 8,9 55	lot 10,11 49	lot 12 34	37	40	37	29	514
		32	33	33	39	38	33	33	38	39	39	38	33	33	38	39	33	33	572
		33					39	38	39	39	39	38	20	33					285
7S	23E	1	lot 1 18	lot 2 18	39	39	lot 3 18	lot 4 18	39	39	36	36	33	33	36	36	33	33	504
		2	lot 1 18	lot 2 18	37	37	lot 3 18	lot 4 18	37	37	27	27	39	39	31	22	21	36	462
		3	lot 1 18	lot 2 18	37	37	lot 3 18	lot 4 18	37	37	10	10			27	27	39	39	372
		10	9	9															18
		11	32.5	32.5	32.5	32.5	9	9			32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	408
		12	33	33	33	33	33	33	33	33	33	33	39	39	33	33	39	33	546
		13	33	39	33	33	39	38	33	33		38	33	9.6					361.6
		14	32.5	15		32.5					35	28	1	9	36	31	14	25	259
		24			28	17	15	1	36	36	39	32	37	37	36	39	35	32	420
7S	24E	2	lot 1 9	lot 2 9	33	33													84
		4	20	20	39	33	lot 3 20	lot 4 20	33	39					33	39	33	33	362
		6	lot 1 18	lot 2 18	39	39									36	36	33	33	252
		7	33	33	33	33	33			33									198
		11					33	33	25	39	39	33	33	33					268
		16	33	33	39	33	33	33	33	39	39	32	32	33	33	39	33	33	550
		20	33	38	36	33	38	33	33	38	29	8			39	39	2	5	404
		21	33	38	39	33		33	12.7										188.7

Total acres 8282.3

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 1.29/475.2 for Irrigation purposes from 3/15 to 11/15
 (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
	NE	NE	NE	21	7S	24E	Minidoka	Existing well

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	
7S	23E	13										35.2	33	9.6					77.8
		14															25		25
		24					15	1											16

Total acres 118.8

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

1. Amount 0.87/318.2 for Irrigation purposes from 3/15 to 11/15
 (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
								See Attachments
								for P.O.D. & P.O.U.

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 79.5

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	NE	NW	26	6S	23E	MINIDOKA	
	SW	NE	SW	26	6S	23E	MINIDOKA	
	NW	NW	NE	33	6S	23E	LINCOLN	
	NE	SE	SW	33	6S	23E	LINCOLN	
	SW	NE	NE	31	6S	24E	MINIDOKA	
7	SE	NE	SW	31	6S	24E	MINIDOKA	
	SE	SE	NE	32	6S	24E	MINIDOKA	
	NW	NW	SW	32	6S	24E	MINIDOKA	
	NE	SW	NW	33	6S	24E	MINIDOKA	
	SW	SE	SW	33	6S	24E	MINIDOKA	
	NE	NE	SW	01	7S	23E	MINIDOKA	
3	NE	NE	NW	03	7S	23E	MINIDOKA	
	SE	SE	NW	11	7S	23E	MINIDOKA	
	SE	NW	SW	11	7S	23E	MINIDOKA	
	NE	SW	SE	11	7S	23E	MINIDOKA	
	SW	SE	NE	12	7S	23E	MINIDOKA	
	NW	SE	NW	12	7S	23E	MINIDOKA	
	NW	SE	SW	12	7S	23E	MINIDOKA	
	NE	SW	NE	13	7S	23E	MINIDOKA	
	NE	SW	NW	13	7S	23E	MINIDOKA	
	SE	NE	SW	14	7S	23E	MINIDOKA	
	NE	NE	NE	24	7S	23E	MINIDOKA	*Backup for Dairy K13
	NE	SW	SW	24	7S	23E	MINIDOKA	
	NW	NE	SE	04	7S	24E	MINIDOKA	
	NE	NE	SE	06	7S	24E	MINIDOKA	
	SW	NW	NE	07	7S	24E	MINIDOKA	
	NW	SW	NW	11	7S	24E	MINIDOKA	
	NE	NW	SW	16	7S	24E	MINIDOKA	
	SE	SW	NE	20	7S	24E	MINIDOKA	

* Existing irrigation well will be used for backup well to new dairy facility.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT

3. Lands irrigated or place of use: ## Denotes BLM Property (To be removed under separate transfer)

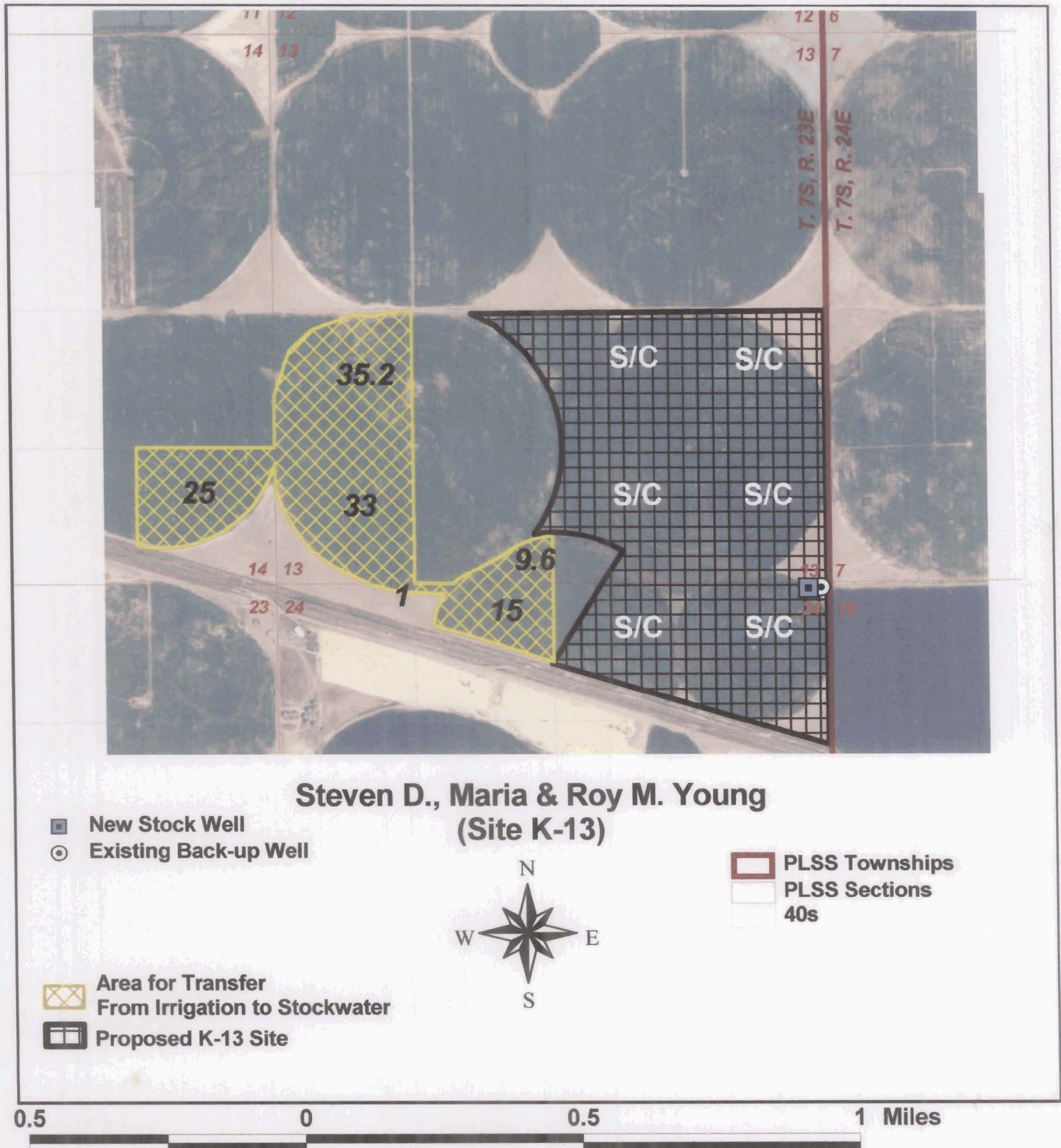
Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
6S	23E	26					33	33	33	33	33	33	33	33					264
		32									30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	244
		33	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	520
		36												7			20	9	36
6S	24E	28										33	38	39					110
		29																35	35
		30															15	30	45
		31	39	40	35	29	lot 1 8		lot 4,5 29	lot 6 15	lot 7 38	lot 8,9 55	lot 10,11 49	lot 12 34	37	40	37	29	514
		32	33	33	39	38	33	33	38	39	39	38	33	33	38	39	33	33	572
		33					39	38	39	39	39	38	20	33					285
7S	23E	1	lot 1 18	lot 2 18	39	39	lot 3 18	lot 4 18	39	39	36	36	33	33	36	36	33	33	504
		2	lot 1 18	lot 2 18	37	37	lot 3 0	lot 4 0	0	0	17	17	39	39	31	22	21	36	332
		3	lot 1 18	lot 2 18	37	37	lot 3 18	lot 4 18	37	37	10	10			27	27	39	39	372
		10	9	9															18
		11	32.5	32.5	32.5	32.5	9	9			32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	408
		12	33	33	33	33	33	33	33	33	33	33	39	39	33	33	39	33	546
		13	33	39	33	33	39	38	33	33	33	38	33	9.6	0	1	7	0	402.6
		14	32.5	9		32.5					35	28	1	9	36	31	14	25	253
		24	0	4	28	17	15	1	36	36	39	32	37	37	36	39	35	32	424
7S	24E	2	lot 1 9	lot 2 9	33	33													84
		4	20	20	39	33	lot 3 20	lot 4 20	33	39					33	39	33	33	362
		6	lot 1 18	lot 2 18	39	39									36	36	33	33	252
		7	33	33	33	33	33				33								198
		11					33	33	25	39	39	33	33	33					268
		16	33	33	39	33	33	33	33	39	39	32	32	33	33	39	33	33	550
		20	33	38	36	33	38	33	33	38	29	8			39	39	2	5	404
		21	33	33	39	33		0	0										138

Irrigated lands at proposed sites K13, K14, K102, D21 will no longer be irrigated.

Total acres 8140.6

of 79 STATE OF IDAHO Trans
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 3

- A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.**



Steven D., Maria & Roy M. Young
(Site K-13)

-  **New Stock Well**
-  **Existing Back-up Well**

- PLSS Townships
PLSS Sections
40s

-  **Area for Transfer**
From Irrigation to Stockwater
-  **Proposed K-13 Site**

0.5 0 0.5 1 Miles

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>Stockwater/Commercial</u> | <u>1.29/343</u> | <u> </u> | <u>1/1</u> to <u>12/31</u> |
| <u> </u> | <u> </u> | <u> </u> | to <u> </u> |
- Quantity and quality of return flows and location of discharge:
none
- Describe the effects on other water uses resulting from the proposed change:
Total irrigation within remaining PPU will be reduced by 118.8 acres in any single
Irrigation season after this transfer.
Remainder of this right limited to 79.6 acres within any single irrigation season,
See additional transfers for sites D-21 & K-14 & K-132.

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.

Subscribed and sworn to before me this 19th day of October, 2005.

David J. Young
(Signature of Applicant)

David J. Young
Notary Public
Residing at Rupert, Idaho
My Commission Expires 03/31/2009

[Signature]
(Notary Public)

FOR DEPARTMENT USE ONLY

Transfer contains 10 pages and 3 attachments

Received by [Signature] Date 11/17/05 Protest filed by

Prelim. check by [Signature] Fee 290.00

Received by [Signature] Date 11/18/05 Sp28170

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

United States Department of Agriculture



Natural Resources Conservation Service
98 B South 200 West
Rupert, ID 83350

Phone: 208/436-4777 ext. 3
FAX: 208/436-3098

June 15, 2005

To: Idaho Dept. of Water Resources

Re: Desert View Farms HEL Determinations

These highly erodible land determinations were made by the SCS (now NRCS) in 1988 as part of the Food Security Act. The cropping history hand written on each tract was made by the SCS at that time to aid in calculating erosion rates.

If I can be of any other assistance, please call me at 208/436-4777 ext. 33.

Sincerely,

A handwritten signature in cursive script, appearing to read "Patrick Evans".

Patrick Evans
District Conservationist
Minidoka County

NOT TO SCALE

E3

HEL

1981- No Report this field
1982- Pasture
1983- Pasture
84-85 Cropped

HEL

1981- No Report this field
1982- Pasture
1983- Pasture
1984- Pasture

HEL

1981- all of area

HEL

1981- Cropped
1982- Cropped
1983- Cropped
1984- No Report in 1984

HEL

13
12.5
5.6

0

14
13
12
11
10
9
8
7
6
5
4
3
2
1

129.2

4.4

7

128.9

14
13
12
11
10
9
8
7
6
5
4
3
2
1

21
174.7

ZZ

Dairy F Water Use and Runoff Calculations

Prepared By

**Bob Ohlensehlen Certified Nutrient Management Planner
Nutrient Management Solutions, LLC.**

Legal Description

S 1/2 Sec 13 T 7S R 23E &

NE 1/2 of the N 1/2 Sec 24 T 7S R 23E

Estimate for **Young and Young K-13 Dairy Site**

Number of Milking Animals.....	4,500	Head	Number of Dry Cows.....	700	Head
Weight of Mature Animals.....	1,400	Pounds			
Number of Heifers.....	4,500	Head			
Average Weight of Heifers.....	700	Pounds			

	Head	Animal Units	
Cows	5,200	7,280	An.Units
Heifers	4,500	3,150	An.Units

Type of milking parlor being used.....	Parallel	Number of stalls per side in parlor.....	50	head
Times per day cows are milked.....	2	Size of holding pen.....	500	head

Type of Separator Being Used.....	Gravity Settling Basin	60% Separation	
Manure from Mature Animals Handled as Liquid.....	Parlor and Holding Pen	15.0%	of Total
Manure from Heifers Handled as Liquid.....	None	0.0%	of Total
Daily manure stored as a liquid from the milking herd.....		568	Cu. Ft.
Daily separated solids that must be handled from the milking herd.....		852	Cu. Ft.
Daily manure handled as solids from milking herd.....		8,044	Cu. Ft.
Type of housing used for milking herd.....	Openlot	Daily Bedding.....	34 Tons
Type of bedding used for milking herd.....	Long Straw		15,288 Cu. Ft.
Type of housing used for replacement animals.....	Openlot	Daily Bedding.....	15 Tons
Type of bedding used for replacement animals.....	Long Straw		6,615 Cu. Ft.

Number of sprinklers in washpen.....	258	Output...	4.98 gpm	Minutes used per cycle.....	4
Percent of the time sprinklers used.....	83%	Additional water used to clean holding pen.....			2,000
Water used to flush holding pen.....	-				

Barn Water Use	Daily Gallons	Cu. Ft.	Daily Gallons	Cu. Ft.	
Milk House Cleaning.....	50	6.7	4,500	602	
Pipeline Cleaning.....	1,200	160.4	4,500	602	
Bulk Tank Cleaning.....	1,100	147.1	77,090	10,306	83% Utilization
Miscellaneous Cleaning.....	25	3.3	2,000	267	
Parlor Floor Hose Cleaning.....	3,000	401.1	364	48.7	
Parlor Deck Spray.....	8,100	1,082.9			
Parlor Deck Flush.....	9,000	1,203.2			
			Total Process Water Daily.....	110,929	13,578

	Amt Required Daily for Recycled Uses.....	Gallons	Cu. Ft.
Recycled water is used for	Parlor, Holding Pen & Cow Drinking	294,606	39,385.8

Water Source and Amount Being Recycled

Milk Cooling Water.....	131,694	17,606.2	
Chiller Cooling Water.....	25,200	3,369.0	
	-	-	
Total Daily Water to be Recycled.....	156,894	20,975.2	
All Water Will Be Recycled	-	-	
Total Process Water To Be Stored Daily.....	110,929	14,830.0	
Gallons of Process Water Per Cow Per Day.....	25	gallons	
Drinking Water Per Day.....			
	Cows.....	166,590	gallons
	Heifers.....	28,534	gallons
Annual Process Water.....	124	Acres Feet	36.2%
Annual Animal Drinking Water.....	219	Acres Feet	63.8%
Annual Water Use.....	343	Acres Feet	

Runoff Areas

	Length	Width	Slope	Area	Paved	Runoff	25yr 24hr	Winter	Total	
Area 1	2,000	1,500	0	3,000,000	F		337,500	1,000,000	1,337,500	Cow Corrals
Area 2	2,000	150	0	300,000	T		45,000	100,000	145,000	Cow Feed Pads
Area 3	2,860	250	0	715,000	F		80,438	238,333	318,771	Cow Feed Pads
Area 4	740	200	0	148,000	F		16,650	49,333	65,983	Heifer Corrals
Area 5	300	300	0	90,000	F		10,125	30,000	40,125	Hutch Area
Area 6	1,100	660	2	726,000	T		108,900	242,000	350,900	Feed Storage
Area 7	-	-	-	-	-		-	-	-	
Area 8	-	-	-	-	-		-	-	-	
Area 9	-	-	-	-	-		-	-	-	
Area 10	-	-	-	-	-		-	-	-	

Storage Requirements Precipitation Events.....	598,613	1,659,667	2,258,279	Cu Ft
Total Area Contributing Runoff.....	4,979,000	Sq Ft or	114.3	Acres
Total Manure Stored as a Liquid.....			102,211	Cu Ft
Process Water and Manure Stored.....			2,669,403	Cu Ft
Total Storage Needed.....			5,029,893	Cu Ft