

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-315991. Owner Friends Dairy LLC

Phone No. _____

Current address PO Box 580, Marsing, ID 836392. Examiner's name Cody ParkerEXAM DATE August 18, 20173. Accompanied by Suzanne DeRuyter

Email _____

Address SameRelationship to permit holder Owner

Phone No. _____

4. Source Groundwater

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use 63-28989, 63-289902. Other water rights with the same source and point of diversion See narrative space below**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
			SW	NW	33	04N	04W	Canyon	GPS, digital PLS map
									3 backup wells
			NE	SW	33	04N	04W	Canyon	GPS digital PLS map
									primary well

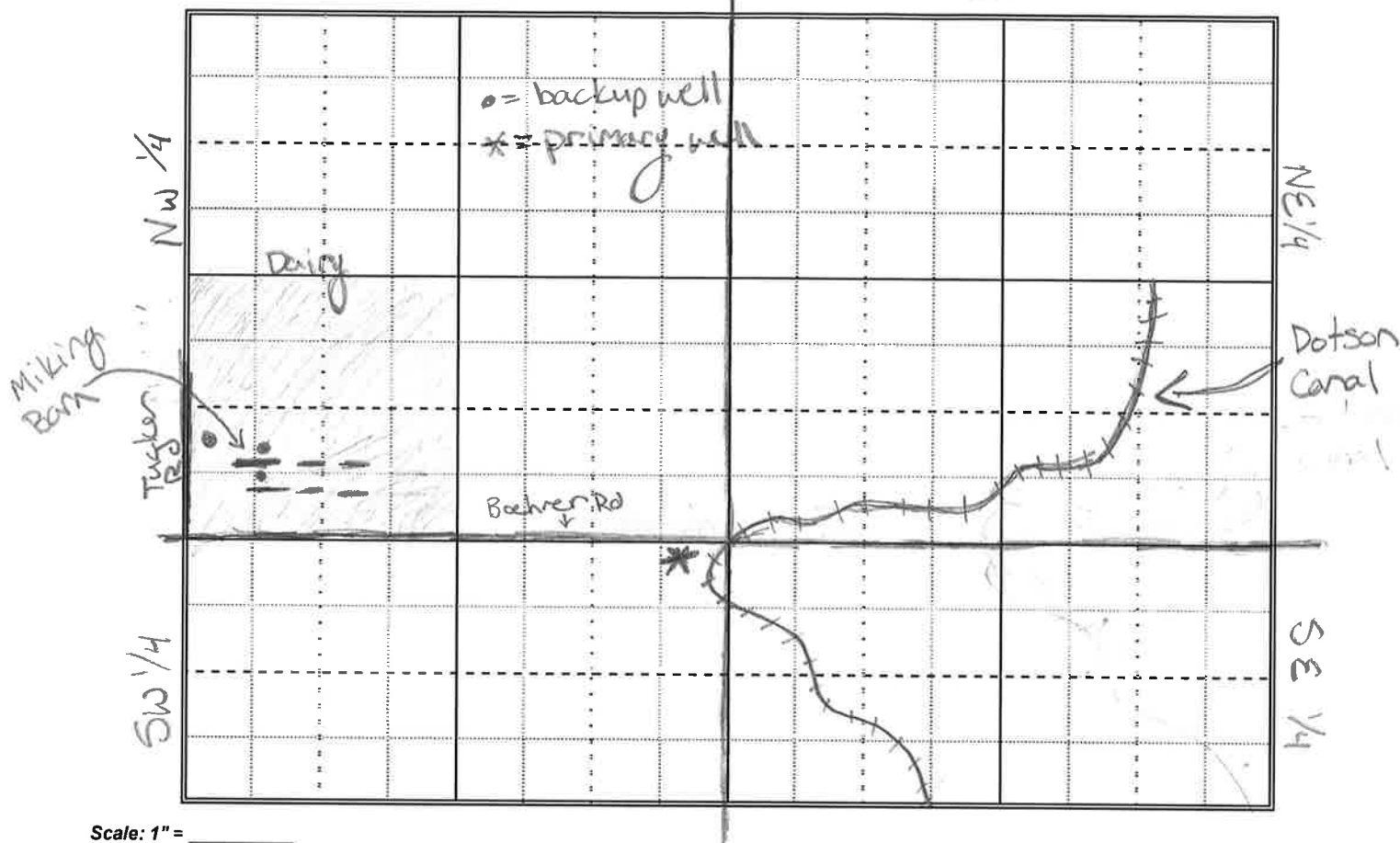
2. Place(s) of Use:

Method of determination site visit, aerial imagery, digital PLS map

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	04W	33							S										
									C										

Section 33

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well ID: 346497		25		Grundfos	8" Mainline (primary well)

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: _____

No physical measurements taken, theoretical well capacities only

Dairy water use worksheet attached

E. NARRATIVE/REMARKS/COMMENTS

SEE ATTACHED FOR NARRATIVE

P/D OVERLAP**Primary Well Overlap**

- 63-2983B, 63-8408B, 63-8776

Backup Wells Overlap

-63-28988, 63-28989, 63-28990

-The claims for these rights all list 35' deep wells with either 6" or 8" casings, which is similar to the info from the backup well well logs. The shapefiles for these PODs are at different locations than I found but are not based on GPS coordinates. No other information in the backfile for these rights. Consider as overlap for backup wells.

Either 1, 2, 3, or 5 HP submersible pumps depending on source of info. The owner says 3 HP at the time of the exam. No previous estimate of well capacities.

POD COORDINATES

Primary: N 43 38 24.6 W 116 49 23.8

Backup 1: N 43 38 28.9 W 116 49 54.1

Backup 2: N 43 38 29.7 W 116 49 55.8

Backup 3: N 43 38 28.4 W 116 49 54.0

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Primary Well: $(8.8 \times 25 \text{ hp} \times 0.7) / (30' + 2.31(60)) = 0.91 \text{ cfs}$

(dynamic WL estimated 20' below static)

3 Backups: $(8.8 \times 3 \text{ hp} \times 0.7) / (33' + 2.31(60)) = 0.11 \text{ cfs each}$

(dynamic WL estimated 10' below static, 60 psi estimated)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} =$ _____

2. Volume Calculations for Other Uses:

1987 use (Attachment A from application): 14.3 afa commercial 7.9 afa stockwater

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Stockwater	01/01	12/31	0.33 cfs	7.9 afa
Commercial	01/01	12/31	0.33 cfs	14.3 afa
Totals:			0.33 cfs	22.2 afa

2. Recommended Amendments☒ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☐ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

Date 12-28-17

SEAL

Reviewer _____

Date _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

NARRATIVE

This application was submitted in February of 2003. The application made clear that the permit was to cover an existing beneficial use of water that had been developed by 1987. There are 3 existing water rights which provide water for the dairy, all of which were decreed in the adjudication. This permit was intended to cover the remaining use that was not included in the decrees. The permit was approved in May of 2004. Proof of beneficial use was submitted in July of 2004. I completed the field exam on August 18, 2017.

Currently, there are three points of diversion located in the SWNW of Section 33, T04N, R04W, B.M. These three are listed as points of diversion on the permit. I took GPS coordinates for each of these wells, which can be found in the field report. Today, these three are used as backup wells. I found records for two of the wells. The well logs show that these were both drilled to 41 feet with a static water level of 23 feet. The current owner estimates that there are 3-hp pumps in each well. There was no gauge at the well heads to determine operating pressure. Assuming a standard 60 psi operating pressure, the capacity for each of these wells is around 0.11 cfs. There is no record available for the third well. However, it is close in proximity to the other two and was likely constructed in a similar fashion. Therefore, I assume that the capacity of this third well is also around 0.11 cfs.

The primary source of water is a fourth well located in the NESW of the same section (though the digital PLS map appears to show it in the SENW. The primary well is 192 feet deep with a diameter of 12 inches and a static water level of 10 feet. A 25-hp Grundfos pump diverts water from the well to holding tanks and then through an 8 inch mainline at 60 psi. I estimate the capacity of the well to be 0.91 cfs. This well is not listed on the permit as a point of diversion. It was constructed in 1977, prior to the date that proof was submitted. I assume that the original owner of the permit tied this well into the dairy system prior to submitting proof. The right will require an amendment to add this well as a point of diversion on the license.

Attachment A submitted with the application estimates the 1987 stockwater use at 7.9 afa and the commercial use at 14.3 afa. Originally, this permit was intended to license the volume not included on overlapping rights 63-28989 and 63-28990, which authorize domestic-type stockwater use. However, this new right will include a separate point of diversion not listed on the overlapping rights. I am recommending that this right be written for the entire 1987 use with an X35 condition that limits the stockwater use for all three rights to 1987 stockwater use (7.9 afa). Put simply, this right authorizes all of the same stockwater use from a separate point of diversion and also includes the commercial use for the dairy. I am also recommending the estimated commercial volume from Attachment A. The total system is capable of diverting the permitted rate so I have carried the 0.33 cfs over to the license as well.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

I also sent a dairy water use worksheet to the permit holders to help me determine what the current water use is for the dairy. The completed worksheet is included in the file. At this time, the dairy provides water for 2300 milk cows which requires 0.16 cfs and 84.9 afa for stockwater use. The commercial operations use 0.16 cfs and 99.1 afa. The current water usage quite obviously exceeds the amount authorized by all of the rights for the dairy. I have informed the permit holders that they should apply for more water to meet their needs.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT



Figure 1 The primary well located east of the POU just south of Boehner rd in the NESW.

MS60000f 140 No. 78357217 Model C SN **2013** PC P21433

Phase	Voltage [V]	Frequency [Hz]	P ₁ [kW]	P ₂ [hp]	SF	Max. SF C [A]	Cos φ	R [min]
3	380	50	18.5			42.0	0.85	2860
3	400	50	18.5			41.0	0.82	2880
3	415	50	18.5			41.5	0.79	2890
3	440	60	18.5	25	-1.15	41.0	0.85	3460
3	460	60	18.5	25	1.15	40.0	0.83	3480
3	480	60	18.5	25	1.15	39.5	0.80	3490

Liquid temp. 40 °C at 0.15 m/s / 104 °F at 0.50 ft/s Connection D Weight 80kg/132lbs.
Duty S1 Transmitter temp. p_{max} 60 bar kVA code J IP 68 Ins cl. F
MADE IN HUNGARY

GRUNDFOS 

DK-8850 Bjerringbro, Denmark
MADE IN USA

DANGER

Figure 2 The spec sheet for the Grundfos pump used to divert water from the primary well.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

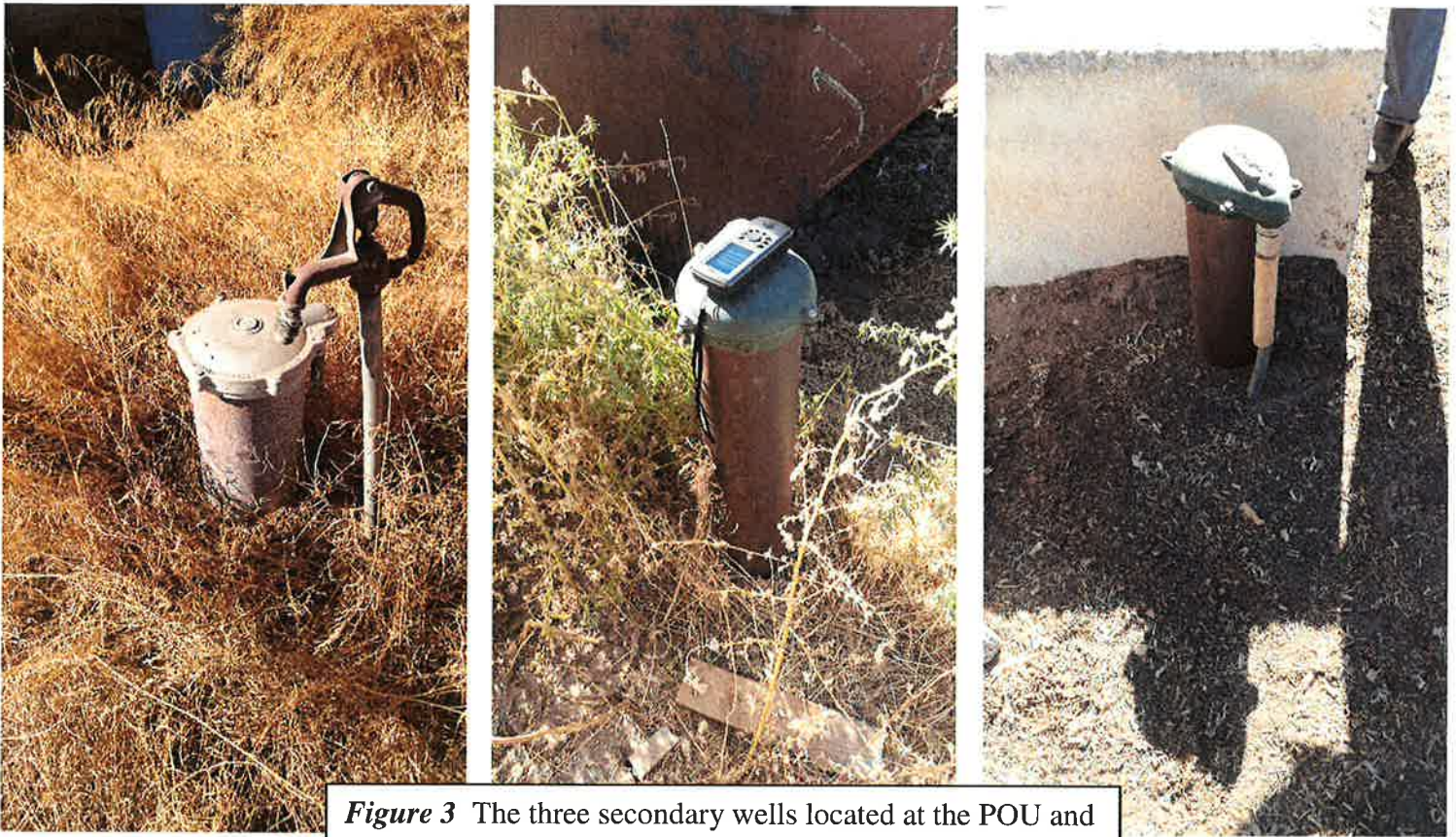


Figure 3 The three secondary wells located at the POU and used as a backup.



Figure 4 The current permit holder asked to include this well, which is located in the SENE of Sec 32, as a POD on the license. The well could not be added as it was not diverting water at the time of the exam and had been constructed after proof had been submitted.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

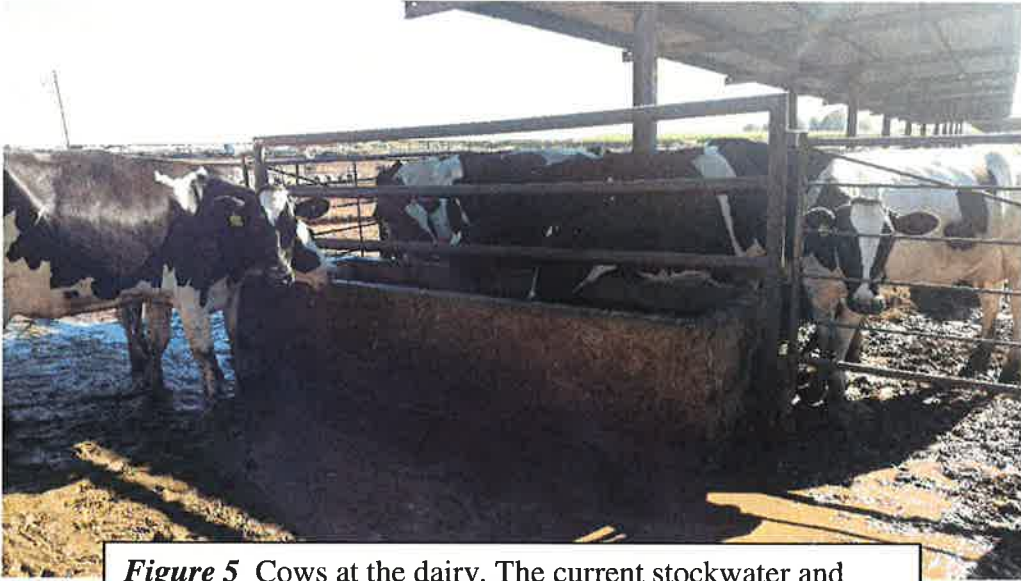


Figure 5 Cows at the dairy. The current stockwater and commercial uses exceed the amount authorized by all overlapping rights. The permit holders have been advised to apply for more water.

04N04W33

BasinSequence	Owner	Source
1	...	...
2	...	...
3	...	...
4	...	...
5	...	...
6	...	...
7	...	...
8	...	...
9	...	...
10	...	...
11	...	...
12	...	...
13	...	...
14	...	...
15	...	...
16	...	...
17	...	...
18	...	...
19	...	...
20	...	...
21	...	...
22	...	...
23	...	...
24	...	...
25	...	...
26	...	...
27	...	...
28	...	...
29	...	...
30	...	...
31	...	...
32	...	...
33	...	...
34	...	...
35	...	...
36	...	...
37	...	...
38	...	...
39	...	...
40	...	...
41	...	...
42	...	...
43	...	...
44	...	...
45	...	...
46	...	...
47	...	...
48	...	...
49	...	...
50	...	...
51	...	...
52	...	...
53	...	...
54	...	...
55	...	...
56	...	...
57	...	...
58	...	...
59	...	...
60	...	...
61	...	...
62	...	...
63	...	...
64	...	...
65	...	...
66	...	...
67	...	...
68	...	...
69	...	...
70	...	...
71	...	...
72	...	...
73	...	...
74	...	...
75	...	...
76	...	...
77	...	...
78	...	...
79	...	...
80	...	...
81	...	...
82	...	...
83	...	...
84	...	...
85	...	...
86	...	...
87	...	...
88	...	...
89	...	...
90	...	...
91	...	...
92	...	...
93	...	...
94	...	...
95	...	...
96	...	...
97	...	...
98	...	...
99	...	...
100	...	...

63-11203	ALLEN, GEORGE H	GROUND WATER
63-23181	ALLEN, GEORGE H	GROUND WATER
63-23397	ENBERG, SIGURD AR	GROUND WATER
63-23844	BARKER ROSHOLT, I	GROUND WATER
63-24089	ENBERG, SIGURD AR	GROUND WATER
63-28987	FRIENDS DAIRY LLC	GROUND WATER
63-28988	FRIENDS DAIRY LLC	GROUND WATER
63-28989	FRIENDS DAIRY LLC	GROUND WATER
63-28990	FRIENDS DAIRY LLC	GROUND WATER
63-29753	INGRAM, DONALD	GROUND WATER
63-2983A	ARROW FARMS INC	GROUND WATER
63-2983B	BARTLETT, BRUCE	GROUND WATER
63-30098	MAGSARD, JOHN	GROUND WATER
63-31022	SCHMIDT, DONNA	GROUND WATER
63-31599	FRIENDS DAIRY LLC	GROUND WATER
63-8408A	ARROW FARMS INC	GROUND WATER
63-8408B	BARTLETT, BRUCE	GROUND WATER
63-8776	BARTLETT, BRUCE	GROUND WATER

NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
										X					
X										X					
			X												
X															
				X											
						X									
						X									
						X									
													X		
		X						X			X				
						X		X				X			
											X				
								X						X	

Primary well overlap
Backup well overlap

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

04N04W33

Basin/Sequit Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-11203 ALLEN, GEORGE H	GROUND WATER	IRRIGATION											2.8						2.8
63-136 BARKER ROSHOLT 8 BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-137B BARKER ROSHOLT 8 BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-200A BARKER ROSHOLT 8 BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2106 UNITED STATES OF FIVEMILE CREEK	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-23181 ALLEN, GEORGE H; /GROUND WATER	DOMESTIC												X						
63-23181 ALLEN, GEORGE H; /GROUND WATER	STOCKWATER												X						
63-23397 ENERO, SIGURD ART	GROUND WATER	DOMESTIC																	
63-233K AMERICAN DITCH C	BOISE RIVER	IRRIGATION																	
63-23844 BARKER ROSHOLT 8 GROUND WATER	DOMESTIC																		
63-2388A UNITED STATES OF BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2392F BOISE PROJECT BOA WASTE WATER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-24089 ENERO, SIGURD ART	GROUND WATER	DOMESTIC																	
63-251A UNITED STATES OF BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-28987 FRIENDS DAIRY LLC	GROUND WATER	DOMESTIC					X												
63-28988 FRIENDS DAIRY LLC	GROUND WATER	DOMESTIC																	
63-28989 FRIENDS DAIRY LLC	GROUND WATER	STOCKWATER																	
63-28990 FRIENDS DAIRY LLC	GROUND WATER	STOCKWATER																	
63-29753 INGRAM, DONALD F	GROUND WATER	DOMESTIC																	
63-30098 MAGGARD, JOHN; /	GROUND WATER	DOMESTIC																	
63-30098 MAGGARD, JOHN; /	GROUND WATER	STOCKWATER																	
63-301A UNITED STATES OF BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-302A UNITED STATES OF BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-31022 SCHMIDT, DONNA Y	GROUND WATER	DOMESTIC																	
63-31595 FRIENDS DAIRY LLC	GROUND WATER	COMMERCIAL																	
63-33251 BOISE PROJECT BOA INDIAN CREEK	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33253 BOISE PROJECT BOA TENMILE CREEK	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-372 BARKER ROSHOLT 8 BOISE RIVER	IRRIGATION																		
63-373A UNITED STATES OF BOISE RIVER	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-8408B BARTLETT, BRUCE C	GROUND WATER	IRRIGATION																	25

Overlapping water rights
Overlapping but different use
Irrigation district/company water rights

RECEIVED

NOV 08 2017

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

FRIENDS DAIRY, LLC
WATER PERMIT
#63-31599

DAIRY WATER USE WORKSHEET

of milking cattle 2,300

of dry cattle -0-

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-

Manual or automatic cow washing? MANUAL

Sprinklers used to flush holding pen? -0-

If sprinklers are used:

 # of sprinklers in holding pen -0-

 Nozzle discharge -0-

 Total operation time of sprinklers (min/day) -0-

of milkings per day 3

Avg. lbs of milk produced per day per animal 80

Are there separate pumps for commercial and stockwater uses? No

If so:

 How many hrs/day does the stockwater pump run? 24

 How many hrs/day does the commercial pump run? 24

If only one pump how many total hrs/day does it run? 24

Is a plate cooler used? YES

Is plate cooler water later recycled for other uses? YES

Are corral misters used in holding pen? No

If using corral misters:

 # of misters -0-

 Nozzle discharge -0-

 Spray interval (ex - 2 min of every 5 min) -0-

 Operation time of misters (hrs/day) -0-

 Days per year misters are used -0-

Total volume used for other purposes other than outlined above 2,500 gallons per day

Water Right No. 63-31599

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

well # 3
State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bruce C. Bartlett
Address R-6 Caldwell, Idaho
Owner's Permit No. 63-8408

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

- ☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

- ☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 12 inches Total depth 220 feet
Casing schedule: ☒ Steel ☐ Concrete
Thickness 250 inches Diameter 12 inches From 1 1/2 feet To 192 feet
inches inches feet feet
inches inches feet feet
inches inches feet feet
inches inches feet feet

Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☒ Knife ☐ Torch
Size of perforation _____ inches by _____ inches
Number From To
100 perforations 20 feet 40 feet
125 perforations 140 feet 160 feet
100 perforations 180 feet 192 feet

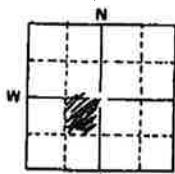
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal ☐ Cement grout ☒ Well cuttings
☐ Pudding clay
Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing
☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____

County CANYON

NE 1/4 SW 1/4 Sec. 33, T. 4 N. R. 4 W.

7. WATER LEVEL

Static water level 10 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

- ☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
12	0	5	Soil		
	5	20	Clay		
	20	40	Sand		
	40	142	Clay		
	142	160	Sand + Gravel		
	160	180	Clay		
	180	192	Sand + Gravel		
	192	215	Clay		
	215	220	Sand		

RECEIVED

JUL 2 1980

601993

Department of Water Resources
Western Regional Office

RECEIVED RECEIVED

JUL 18 1980

JUL 1 1980

Department of Water Resources Department of Water Resources

10.

Work started 5-17-77 finished 6-3-77

11. DRILLERS CERTIFICATION

Firm Name H.C. Nicholson Firm No. 54
Address RT 1 Payette Date 6-3-77
Signed by (Firm Official) H.C. Nicholson
and
(Operator) H.C. Nicholson

USE ADDITIONAL SHEETS IF NECESSARY

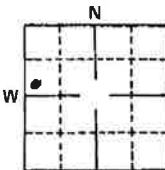
FORWARD THE WHITE COPY TO THE DEPARTMENT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PEN**RECEIVED**
NOV 19 1987

Well # 2

So. of Barn

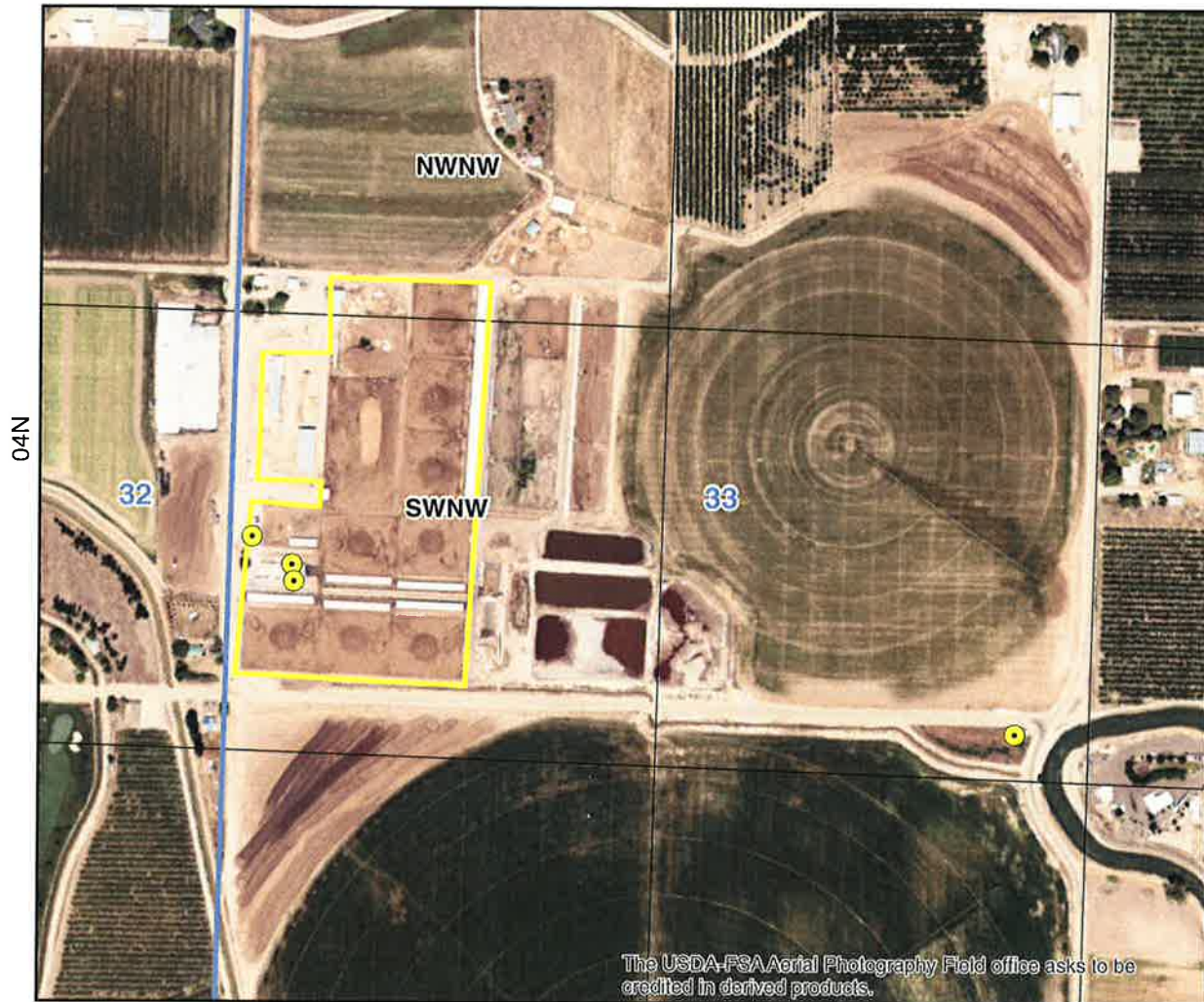
State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>NORMAN VERMEER</u> Address <u>RT 6 Bx 217 CALDWELL IDAHO 83605</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>23</u> feet Flowing? ☐ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality <u>11 GRNS.</u> Describe artesian or temperature zones below.																																								
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☒ Pump ☐ Baller ☐ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>40</u></td><td><u>31</u></td><td><u>1</u></td></tr></tbody></table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>40</u>	<u>31</u>	<u>1</u>																																		
Discharge G.P.M.	Pumping Level	Hours Pumped																																							
<u>40</u>	<u>31</u>	<u>1</u>																																							
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☒ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td><u>6</u></td><td><u>0</u></td><td><u>5</u></td><td><u>BROWN CLAY</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>5</u></td><td><u>18</u></td><td><u>HARD PAN</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>18</u></td><td><u>35</u></td><td><u>SANDY BROWN CLAY</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>35</u></td><td><u>41</u></td><td><u>GRAVEL + SAND</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>41</u></td><td></td><td><u>GRAVEL - SAND</u></td><td></td><td>☒</td></tr></tbody></table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	<u>6</u>	<u>0</u>	<u>5</u>	<u>BROWN CLAY</u>		☒		<u>5</u>	<u>18</u>	<u>HARD PAN</u>		☒		<u>18</u>	<u>35</u>	<u>SANDY BROWN CLAY</u>		☒		<u>35</u>	<u>41</u>	<u>GRAVEL + SAND</u>		☒		<u>41</u>		<u>GRAVEL - SAND</u>		☒
Bore Diam.	Depth		Material	Water																																					
	From	To		Yes	No																																				
<u>6</u>	<u>0</u>	<u>5</u>	<u>BROWN CLAY</u>		☒																																				
	<u>5</u>	<u>18</u>	<u>HARD PAN</u>		☒																																				
	<u>18</u>	<u>35</u>	<u>SANDY BROWN CLAY</u>		☒																																				
	<u>35</u>	<u>41</u>	<u>GRAVEL + SAND</u>		☒																																				
	<u>41</u>		<u>GRAVEL - SAND</u>		☒																																				
4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____	RECEIVED JAN 08 1988 Department of Water Resources																																								
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> inches</td><td><u>6</u> inches</td><td><u>1</u> feet</td><td><u>40</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>18</u> Material used in seal: ☐ Cement grout ☐ Bentonite ☒ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____		Thickness	Diameter	From	To	<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>40</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet								
Thickness		Diameter	From	To																																					
<u>250</u> inches		<u>6</u> inches	<u>1</u> feet	<u>40</u> feet																																					
_____ inches	_____ inches	_____ feet	_____ feet																																						
_____ inches	_____ inches	_____ feet	_____ feet																																						
_____ inches	_____ inches	_____ feet	_____ feet																																						
Number	From	To																																							
_____ perforations	_____ feet	_____ feet																																							
_____ perforations	_____ feet	_____ feet																																							
_____ perforations	_____ feet	_____ feet																																							
6. LOCATION OF WELL Sketch map location must agree with written location.  County <u>CANYON</u> <u>SW 1/4 NW 1/4 Sec. 33 T. 4 N. R. 4 W.</u>	10. Work started <u>6-2-87</u> finished <u>6-3-87</u>																																								
11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Will Building</u> Firm No. <u>93</u> Address <u>Home Lake Idaho</u> Date <u>6-17-87</u> Signed by (Firm Official) <u>Kenneth M. M. M.</u> and (Operator) _____																																									

State of Idaho
Department of Water Resources
Attachment to Water Right License
63-31599

This map depicts the COMMERCIAL place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

04W



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

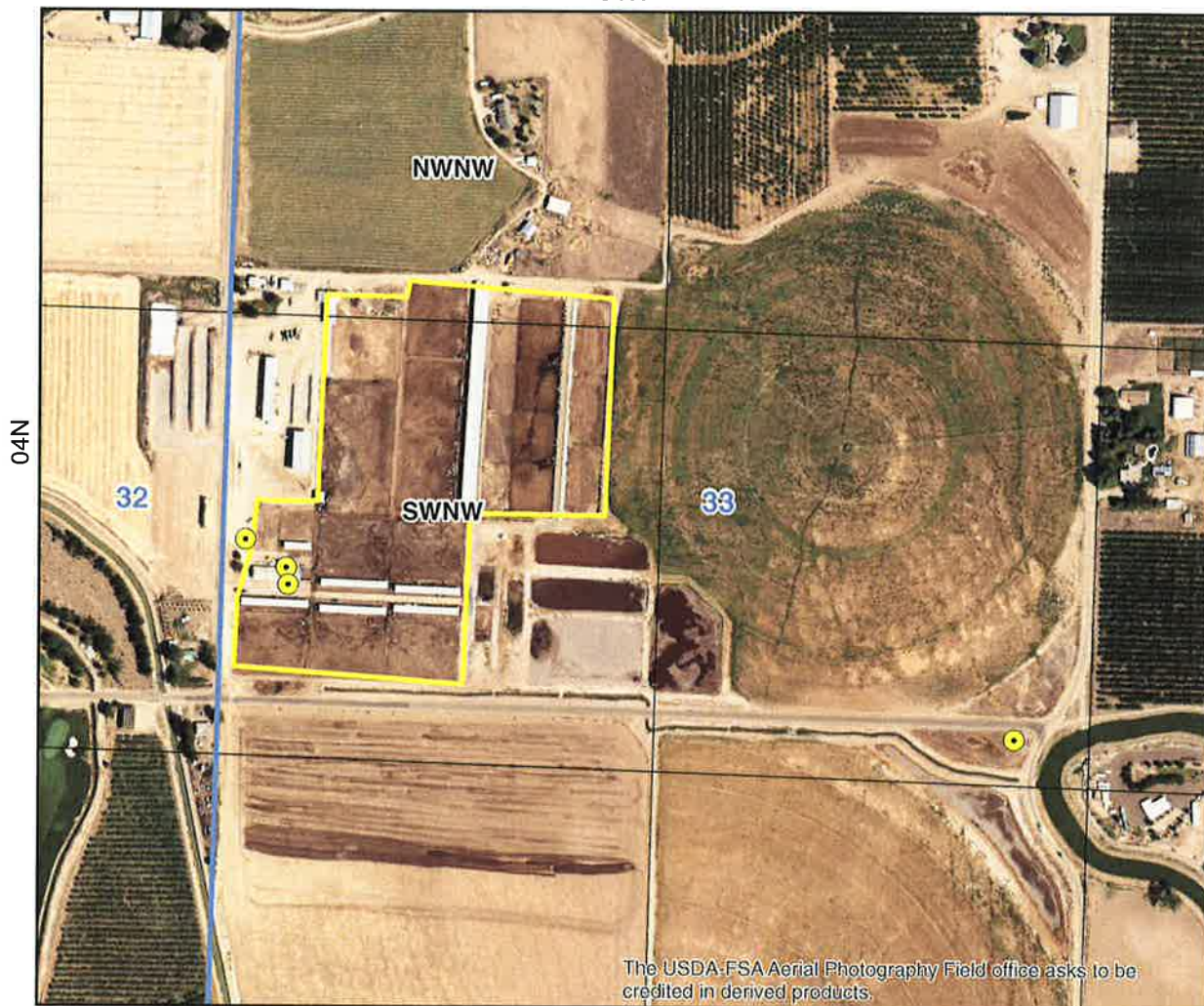
0 0.05 0.1 0.2 Miles



State of Idaho
Department of Water Resources
Attachment to Water Right License
63-31599

This map depicts the STOCKWATER place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

04W



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.05 0.1 0.2 Miles





State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

December 29, 2017

FRIENDS DAIRY LLC
PO BOX 580
MARSING ID 83639

RE: Water right permit no. 63-31599

Dear Permit Holders,

I am writing you today in regard to the water right permit referenced above which authorizes the diversion of 0.33 cfs from groundwater for stockwater and commercial use. The Department of Water Resources is reviewing this permit following the field exam completed on August 18, 2017 as part of the licensing process. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. After reviewing the field report from the exam, it appears that a point of diversion was developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211 *Idaho Code*. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

The enclosed Application for Amendment forms depict the elements of the water right as they will appear on the license when issued. Please review the amendment form carefully. If you agree with the information presented, **please sign and return the forms with the \$100.00 filing fee within 14 days.**

In addition, after reviewing your current water usage it appears that you are using more water than is currently authorized by all rights appurtenant to the property. I encourage you to review your water needs and apply for more water as needed. IDWR forms and other information can be found online at www.idwr.idaho.gov.

Please let me know if you have any questions regarding the content of this letter. You may reach me by phone at 208-334-2190 or by email at cody.parker@idwr.idaho.gov. Thank you for your attention to these matters.

Respectfully,

Cody Parker
Water Resource Agent
IDWR Western Region

Enclosed: Application for Amendment, WR Map



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

RECEIVED OCT 15 2017

October 12, 2017

FRIENDS DAIRY LLC
PO BOX 580
MARSING ID 83639

RE: Water right permit no. 63-31599

Dear Permit Holders,

Thank you for taking the time to meet with me on August 18, 2017 to complete the beneficial use field examination for your water right permit. I am currently in the process of completing my report and drafting your water right license. However, before I can finish the report I require some additional information regarding your water use.

To complete the field report, I am required to quantify the water used for commercial purposes according to the permit. In this case, that means the water used as part of the washing and milking operations for the dairy. I have enclosed a worksheet for you to fill out and return to me. Your answers will help me determine how much water is being used at your facilities. Please complete the form and return it to me at the address listed in the letterhead at the top of this page.

I cannot proceed with licensing your water right until I receive this information. Please submit the requested information within thirty (30) days of the date of this letter. If I do not receive the information within this time I will assume that you have no further interest in pursuing a water right license, and I will take action to void the permit. You may submit a written request for more time to gather the information if necessary. Please send any requests to the same address above.

IDWR forms and other information can be found online at www.idwr.idaho.gov. Let me know if you have any questions or concerns regarding the content of this letter. I look forward to your reply. Thank you for your time and for your attention to these matters.

Respectfully,

Cody Parker
Water Resource Agent
IDWR Western Region
208.334.2190
cody.parker@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 8, 2017

FRIENDS DAIRY LLC
PO BOX 580
MARSING ID 83639

RE: Scheduling Field Exam for Water Right Permit No. 63-31599

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

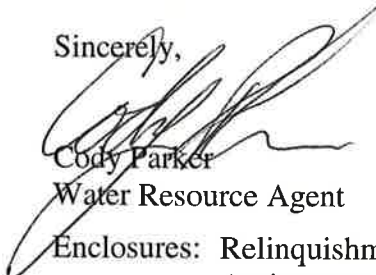
The above-referenced permit authorizes **0.33 cfs of GROUND WATER** for **stockwater and commercial** uses. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,



Cody Parker

Water Resource Agent

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map