

SEP 20 2017

AMENDED

Form 113
12/07DEPT OF WATER RESOURCES
SOUTHERN REGIONIdent No. 34-14651Application ID: 82114STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESNOTICE OF DIVERSION AS AN ALTERNATIVE TO
INSTREAM STOCKWATER USE

(To provide notice of intent to divert surface water from a stream or riparian area to troughs or tanks as an alternative to instream use for the watering of livestock)

1. Name of right holder Marty & Ann Bennett Phone 208-239-7714
Mailing address 2451 E 1300 S, Gooding ID 83330 E mail abennett@co.gooding.id.us
2. Source of water supply Cherry Creek tributary to Antelope Creek
3. Point of Diversion:
 - a) Is this notice based on an existing recorded instream stockwater right? If yes, provide the water right number 34-7085
If no, describe the beginning and ending points for the instream stockwater use:
Beginning point is in Gov't. Lot 3, NW 1/4 NW 1/4 SW 1/4,
Section 30, Township 5N Range 24E, B.M.,
Custer County.
Ending point is in Gov't. Lot SE 1/4 NE 1/4 NW 1/4,
Section 31, Township 5N Range 24E, B.M.,
Custer County.
 - b) Alternate point of diversion is in Gov't. Lot 3, NE 1/4 NW 1/4 SW 1/4,
Section 30, Township 5N Range 24E, B.M.,
Custer County.
4. Description of diversion and delivery system:
 - a) Describe the type of diversion 2' x 2' x 2' metal head box;
existing irrigation diversion at point
 - b) Describe the delivery system buried HDPE livestock
pipeline
 - c) Describe the number, type and total capacity of troughs or tanks 2, ~1450 gal
fire troughs

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- d) Describe the automatic shutoff or flow control mechanism or means of returning unused water to the source 1 1/2 inch poly pipe buried overflow return to Cherry Creek
- e) Describe how the system is designed to allow measurement of the rate of diversion measurement will be based on avg needed volume, limited by pipe size and determined by consumptive use by cattle

5. Describe the place of use by placing an X in the appropriate 40-acre tract(s) below:

TWP	RGE	SEC	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
5N	24E	31					X											

6. Priority date claimed or established 11/25/1974
7. Rate of diversion ~ 02 cfs (~10 gal/min) to
8. Season of use: from June 1st to Nov 30 (variable year to year)
9. a) Who owns the property at the point of diversion? Marty & Ami Bennett
- b) Who owns the property at the place of use? Marty & Ami Bennett
10. When will construction occur? Fall of 2017 TBD to
11. Comments (include number and type of stock) 150 yearling cattle

12. Map of project required - Attach an 8 1/2"x11" map clearly identifying the location of the instream stockwater use and the locations of the alternative point(s) of diversion and stock trough(s). A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

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I hereby assert the following:

- a) Diversion is from a surface water source to which the livestock would otherwise have access. The land where the watering tanks or troughs will be located is land from which the livestock had access to the source of water from which diversion is being made.
- b) The diversion of water out of the stream as described in this notice is for watering livestock and will not injure other water rights.
- c) I will not alter the bed and banks of the source as the term is defined in section 42-3802, Idaho Code. I understand that I may place an inlet conduit into the source in a manner that does not require excavation or obstruction of the stream channel, unless the director of the department of water resources approves a stream channel alteration permit for additional work.
- d) I understand that upon determination of interference with other water rights, the Director may order curtailment of diversion or use of water under this notice or may require the diversion and delivery system to be modified to prevent injury.
- e) I will not divert more than 13,000 gallons per day for livestock watering from this diversion, and I will not use more than one point of diversion under this notice.
- f) I am authorized to make the changes described in this notice and that if the notice involves a federal grazing allotment, the permittee consents to the changes described in this notice.
- g) I understand that any willful misrepresentation on this notice will void any right to divert water for livestock under this notice.

Dated this 5th day of December, 2016

[Signature]
Right Holder or Authorized Representative

Modified 1/27/18 [Signature]

FOR DEPARTMENT USE

Received by TF/AM Date 9-20-2017 Preliminary check by _____
Fee: \$ 25- Receipted by AM Receipt No. 5036368 Date 9-20-2017
Water District No. _____ Entered into data base _____ By _____

RECEIVED

SEP 20 2017

RECEIVED

SEP 25 2017

SUPERCEDED

Form 113
12/07DEPT OF WATER RESOURCES
SOUTHERN REGIONDepartment of Water Resources
Eastern Region

Ident No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESNOTICE OF DIVERSION AS AN ALTERNATIVE TO
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1. Name of right holder Marty & Ami Bennett Phone 208-539-7714
Mailing address 2451 E 1300 S, Garding ID 83330 E mail macanecattle@gmail.com
abennett@co.garding.id.us
2. Source of water supply Cherry Creek tributary to Antelope Creek
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5N	24E	31					X											

6. Priority date claimed or established _____
7. Rate of diversion ~ .02 cfs (~10 gal/min)
8. **Season of use:** from June to Nov - (variable year to year)
9. a) Who owns the property at the point of diversion? Marty & Ami Bennett
b) Who owns the property at the place of use? Marty & Ami Bennett
10. When will construction occur? Fall of 2017
11. Comments (include number and type of stock) 150 head cattle

First
*Historical use of
the ~~stream~~ stream stockwatering
or first use of cattle on the
land

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[Signature]
Right Holder or Authorized Representative

FOR DEPARTMENT USE

Received by TF/DW Date 9-20-2017 Preliminary check by _____
Fee: \$ 25- Received by AM Receipt No. 5036368 Date 9-20-2017
Water District No. _____ Entered into data base _____ By _____

34-14651

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
MAY 06 1991

A. GENERAL INFORMATION

Department of Water Resources
Permit No. 91-085

1. Owner E.J. HARROP

Phone No. 554-4641

Current Address DARLINGTON, ID. 83221

2. Accompanied by MR. HARROP

EXAM DATE 9-11-87

Address: _____

Phone No. _____

Relationship to Permit Holder OWNER

3. Source: CHERRY CREEK tributary to ALTA LOPE CREEK

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE

☐ Copies Attached

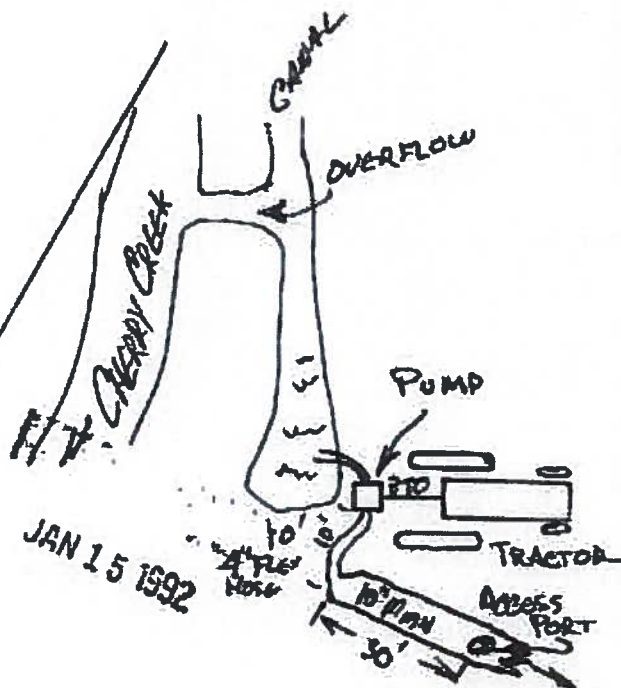
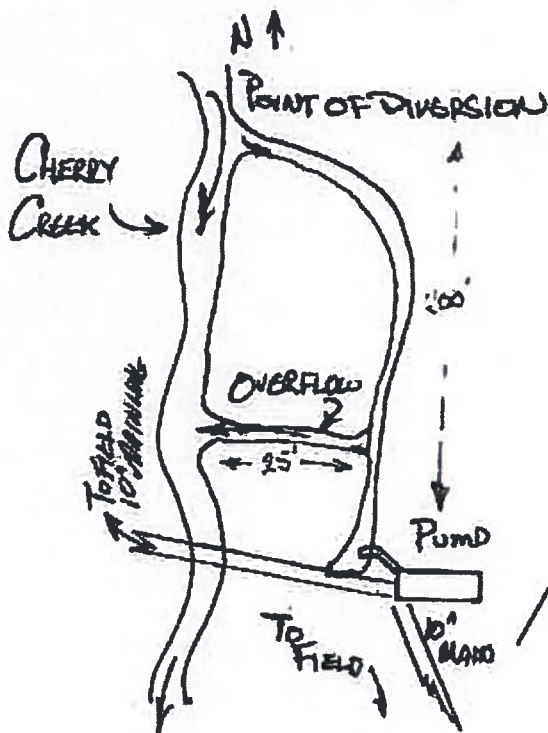
2. Other water rights with same point of diversion NONE

☐ Copies Attached

☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. Diversion System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable ☐ Alternative diagram attached



Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

- ☒ Photo of Diversion and System Attached

(required for all but single household domestic groundwater, and stockwater)

- ☒ Aerial Photo Attached

(required for irrigation of 10 acres or more)

ALCS DOES NOT COVER THIS FAR UP STREAM.

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34-1125-

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

MEASURED W/ 4.5 DIAM. PUMP (1/4 MI.)

DITCH FROM STREAM SELDS WATER TO PUMP INTAKE. OVERFLOW RETURNS TO STREAM. PUMP RUNS FROM TRACTOR PTO, WHICH DELIVERS WATER TO 10" MAINLINE TO 4.5 QUARTER MILE HAND LINES. MAINLINE SPANS BOTH SIDES OF STREAM.

DUE TO HEAD CUTTING OF STREAM, ^{CONTROLABLE} HEADGATE WAS DESTROYED. A NEW ONE WILL BE PUT IN IF HEAD CUTTING IS CONTROLLED.

☐ See Remarks on page 4 for continuation

4

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	OLIVER DIESEL		130320 K1000	BERKELEY	4"

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

- 5 Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	3	NE	NW	SW	30	5N	24E	CUSTER	AERIAL PHOTO, ON SITE Insp.

6. Place(s) of Use:

Indicate Method of Determination

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	
5N	24E	30									5	11	13	26	26	26	26	26	42
		31							18										18
																			60

Do not use this space

84-14651

State of Idaho
DEPARTMENT OF WATER RESOURCES
SUPPLEMENTAL FIELD REPORT FOR ANNUBAR MEASUREMENT

Measured by: ERIC VERNER

Date Sept 11, 1987

Owner: E.S. Hamop

Permit No. 35-7085

Description of well &/or measuring site

- Include any clarifications of the sketch

- Include legal description if more than one p.d. is described in the Field Report

MEASURED INSIDE-PIPE DIAMETER IN INCHES (10)

CIR = Pipe Circumference in inches = _____

T = Pipe Thickness in inches = _____

ID = $2 \left[\left(0.1592 \times CIR \right) - T \right] = \dots\dots\dots 9.85"$

ANNUBAR DESCRIPTION & CONSTANT (C)

Size Used in Test _____

State ID No. _____

Select C based on size from table below.

Nominal "Size	C
4"	4.23
6"	3.75
8"	3.87
<u>10"</u>	<u>3.94</u>
12"	3.99
16" - 18"	4.01
18" - 24"	4.02
30" or larger	4.03

C selected 3.94

DIFFERENTIAL PRESSURE READING IN INCHES OF H₂O (H)

High Reading = 40.5

Low Reading = 38.2

High - Low = H = ... 2.3"

CALCULATION OF DISCHARGE IN CFS (Q)

$$Q = \frac{(ID)^2 \cdot \sqrt{H}}{5.34} \quad (2)$$

$$Q = \frac{(9.85)^2 \cdot \sqrt{2.3}}{5.34} \cdot (3.94) = 1.29 \text{ cfs}$$

SKETCH (if not shown on Field Report)

1.29 cfs

JR:115 1552

579.7 gpm @ 20 psi
~~483.53 gpm @ 30 psi~~

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
ANUBAR		DIAPHR	7517-316	191147	10.02"	
Manometer					57"	

2. Measurements:

id = 9.85'

10.5 - 38.2 @ 20psi

45.2 - 49.6 @ 30psi

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method: ANUBAR

Q = 1.30 cfs CAPACITY

2. Alternate Method for Checking Purposes:

LIMIT TO 0.02/ACRE
= 1.20 cfs

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure _____ psi x 2.31 = _____ ft (1); Dynamic pumping level _____ ft (2)

Total Head: (1) + (2) = _____ (3)

: Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW _____ Ave PF x _____ Ave Volts x _____ Ave Amps 001732 = _____ (8)

Panel Input HP: (8) x 1.34 = _____ (7) Efficiency (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation

$V_{ir} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (60)(3.0) = 180 \text{ AFA}$

$V_{or} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (1.30)(214)(1.9835) = 552 \text{ AFA}$

$V = \text{Smaller of } V_{ir} \text{ and } V_{or} = 180 \text{ AFA}$

2. Volume Calculations for Other Uses

JUL 15 2 52

34-14651

H. REMARKS AND OVERLAP REVIEW ANALYSIS

THE WATER MASTER HAS NOT REQUIRED MR. HARRIS TO INSTALL
LOCKING DEVICE. CONTROLS BY TELLING MR. HARRIS TO NOT RUN
PUMP.

I. RECOMMENDATIONS

1 Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afs)
	From	To		
IRRIGATION	4/1	11/1	1.20	180
Totals:			1.20	180

2 Recommended Amendments

- ☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

J. AUTHENTICATION

Field Examiner's Name ERIC J. VERNER
Signature [Signature]
Certification Date _____
Field Report Preparation Date _____

CONSULTANT SEAL

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

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