

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8713

Exam Date: 5/19/2011

1. Current Owner: BOX CANYON DAIRY
PO BOX 140
WENDELL ID 83355-0140
(208)536-2928
2. Accompanied by: Scot Haag via phone conversation
Phone No: 208-536-2928
Address: PO Box 140
Wendell, ID 83355
Relationship to Permit Holder: Operator of new facility.

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 36-2148B, 36-7713B
2. Other water rights with the same point of diversion: 36-2148B, 36-7713B, 36-10696 and 36-10698

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	SE1/4SW1/4NE1/4	Sec. 30,	Twp 08S,	Rge 15E, B.M.
GOODING County				
GROUND WATER	SE1/4SW1/4NE1/4	Sec. 30,	Twp 08S,	Rge 15E, B.M.
GOODING County				

Method of Determination: Updated from the spatial database to GPS points (A0004657 & A0004658) that were collected by IDWR staff on 12/26/2008. Permit only had one original point of diversion described in the wrong QQ. A letter from Sam Crossen was submitted with proof of beneficial use and confirms the permit was developed from these two existing wells. (see file)

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
08S	15E	30				X													

Method of Determination: 2009 Aerial photography.

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
A0004657	submersible	5			2 ½ inch line
A0004658	submersible	?			2 inch line

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Portaflow	Sonic	FUJI		2400332	2 inch	2/27/2004

2. Measurements:

Earliest recorded Wmis data for these two wells verify two ten minute average measurements collected on 2/27/2004 by Corbin Knowles. (see attached Water Measuring Device Certification sheets)

A0004657 55.1 gpm or 0.12 cfs
 A0004658 54.3 gpm or 0.12 cfs
 TOTAL 0.24 cfs

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Measured rate of 0.24 cfs exceeds the limits (0.04 cfs) of the permit. Recommend the permitted amount of 0.04 cfs for stockwater for each diversion.

F. VOLUME CALCULATIONS1. Volume Calculations for Irrigation: **N/A**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

I.R. D.R.

Permit No: 36-8713

2. Volume Calculations for Other Uses:

Permit Capacity volume:

$$0.04 \times 1.9835 \times 365 = 28.9 \text{ AF}$$

Stockwater use:

$$1000 \text{ cows} \times 12 \text{ gpd} \times 365 = \underline{4380000} = 13.4 \text{ AF}$$

325850

Calculations for stock consumption are based on the permitted 1000 beef cattle. Recommended volume for license is 13.4 AF.

G. NARRATIVE/REMARKS/COMMENTS

Permit 36-8713 in the name of Frank W Cnossen is for stockwater use for a feedlot facility in the Wendell area.

The permit lapsed on September 2, 1998. Proof was filed on October 21, 1998 and the permit was reinstated with an advance priority date of August 6, 1993. On May 10, 1994 an Assignment for Permit was submitted to the Department conveying the permit to the Estate of Frank Cnossen.

WMIS records show two wells serving this facility in 1998 but the permit only has one original point of diversion described in the wrong QQ. A letter from Sam Cnossen was submitted with proof of beneficial use and confirms the permit was developed from these two existing wells. A licensing amendment was filed by Box Canyon Dairy, the current owner, confirming that these are the original wells. The Amendment will add a well and correct the points of diversion. Note, a change of ownership along with warranty deeds was also filed with the licensing amendment to convey the water right into the name Box Canyon Dairy after approval. After discussion with the State Office it was decided to license in the name of Box Canyon Dairy.

The earliest recorded measurements in WMIS records show flows of approximately 55 gpm or 0.12 cfs (combined 0.24 cfs) for each well but exceeds the limits of the permit (0.04 cfs). Recommended flow rate of 0.04 for stockwater.

Volume for stock consumption is based on 1000 beef cattle at 12 gpd. Recommended 13.4 AF for stockwater use.

It is also recommended that a combined condition will limit 36-2148B, 36-7713B and 36-8713 to a total diversion rate of 0.34 cfs and a total diversion volume of 67.9 AF for stockwater at the facility. (Transfer 4406 limits these three rights to 0.34 cfs. There are no records showing applicant's developed any extra water between the transfer approval and time that proof was filed.) Also a combined limit is recommended for the five rights 36-2148B, 36-7713B, 36-8713, 36-10696 and 36-10698 which will also be limited to 0.34 cfs.

Note, overlap analysis reflects the water use after Transfer 4406 (36-2148B and 36-7713B) was approved up until time proof was filed. Domestic rights 36-10550 and 36-10553 are described in the same place of use but are separate wells and systems. D & S rights 36-10696 and 36-10698 have same pods but described in different QQ for place of use. Application for permit 36-8671 is on hold in the moratorium.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.040 CFS	13.40 AF
	<u>Totals:</u>	0.040 CFS	13.40 AF

2. Recommended Amendments

☒ Change P.D. as reflected above ☒ Add P.D. as reflected above ☐ None

I. AUTHENTICATION

Field Examiner's Name

Sara Reeder

Date

6/28/11

Reviewer

[Signature]

Date

8/8/11

8S 15E 30 SESWNE

8S 15E 30 SENE

POU

POU

A0004658
West Well

A0004657
East Well

