

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7912

Exam Date: 6/28/2016

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Stuart J Blockoff and/or Susan L Blockoff

Owner-of-Record Correct? ☒ Yes ☐ NoAddress-of-Record Correct? ☒ Yes ☐ No

If No: <Address>

Available Boundary County taxlot information shows the owner of the property as Stuart J Blockoff.

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: N031967**4. SOURCE**

Trail Creek

TRIBUTARY

Deep Creek

Method of Determination: Applicant submitted an aerial photo image of the POU and POD. The NHDFlowline layer confirms Trail Creek as the source.

Change in Source:

☐ Yes ☒ No**B. OVERLAP REVIEW**1. Other water rights with the same place of use: Overlap? ☒ Yes ☐ No

Water Right No.	Source	Purpose of Use	Basis
98-7750	Ground water	Municipal	License

Comments: The POU is within the service territory of Cabinet Mountains Water District (98-7750). The Blockoffs also have an unrecorded domestic right covering two homes, and likely some irrigation.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Trail Creek			SE	NW	07	60N	01E	B.M.	BOUNDARY

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography.

Change in POD? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No

2. **LOCATION OF PLACE(S) OF USE:** Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
60N	01E	07								0.5									0.5

Method of Determination: I consulted with the permit holder to confirm the place of use.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

3.

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.
Indicate weir size/pipe as applicable.

The pump is a small portable unit powered by a Honda gas generator. It is set at approximately 6 ft above the bank level. Mr. Blockoff estimated the pipe size at ¾ inch.

☒ 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
Unknown.	Honda portable gas				~0.75 inch

*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: In-office field exam. No measurements taken

E. **FLOW CALCULATIONS**

☐ Additional Computation Sheets Attached

0.02 cfs = 1 inch per acre (IDWR standard) 0.5 acres x (0.02 cfs) = 0.01 cfs
Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation of up to 5 acres is acceptable. 0.5 acres x (0.03 cfs) = 0.015 cfs.

Permit holder stated that the portable pump that he uses for this purpose diverts approximately 3 gpm (~ 0.007 cfs) The minimum rate for licensing is 0.01 cfs.

Calculated standard = 0.015 cfs (rounds to 0.02 cfs)

Permit allowed = 0.04 cfs

License recommended for 0.01 cfs.

F. **VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \times 3 = 1.5 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.01 \times 214 \times 1.9835 = 4.2 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5 \text{ af; not required for a surface water diversion}$$

Volume Calculations for Other Uses: N/A

G. PURPOSE OF USEIrrigation ☒ Yes ☐ No # Stock _____Domestic # of Homes none

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

I emailed the permit holder on 6/27/2016 requesting confirmation of the POU. He responded by phone later that day. On 6/28/2016, I phoned and requested additional information regarding the system components and overlapping water rights. The Blockoffs had requested Cabinet Mountains Water District provide them with water. Because no additional connections were available at that time, the Blockoffs had a domestic well drilled. Only a limited amount of information was available about that well. I was only able to locate the 2013 Start Card Permit. According to Mr. Blockoff their well and provides water to 2 homes: 1 home (and shop) owned by Stuart and Susan Blockoff; a second owned by the Blockoff's daughter. I requested additional information from the Northern Region Office.

Permit 91-7280 authorized a diversion from Trail Creek of 0.03 cfs for irrigation of small garden-orchard. Based on the small permitted diversion rate, this permit qualifies for an in-office field exam.

The legal description of the POU was used to locate the property. Available taxlot information shows that Stuart J Blockoff is the property owner.

I created the POD shape based on the permit POD shape. Trail Creek is tributary to Deep Creek which is habitat for Bull Trout. Mr. Blockoff assured me that the pump intake had appropriate fish screening.

A map identifying the POU was submitted with the application. Available 2015 imagery shows a fenced garden and orchard sited within the permitted POU.

The permit authorized the standard rate for a small irrigation use. In this case, the irrigation use is less than the standard.

Mr. Blockoff stated that they divert a minimal amount of water for irrigation. He estimated the flowrate at approximately 3 gpm and the season of use from May to September, depending on the weather. They irrigate 2 hr/day in the garden and an additional 2 hours twice a week, for the berries and orchard.

Have conditions of permit approval been met? ☒ Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	04/01-10/31	0.01 cfs	N/A
<u>Totals</u>		0.01 cfs	N/A

Because this is a diversion out of surface water, no volume is required for the license pursuant to BU Exam Rule 35 j.

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:

I. AUTHENTICATION

Field Examiner's Name Michele Edl Date June 28, 2016

Reviewer _____ Date _____



Overlap Analysis for License Review 98-7912 (Blockoff)																																						
TRS	Process	Basin	Sequenc	Draft	Owner	Source	POD	POU	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres												
60N01E7	Water Right	98-2003	N		POPP, LOUIS	TROUT CREEK	POD										X																					
60N01E7	Water Right	98-2045	N		DAVIS, E W	TROUT CREEK	POD						X																									
60N01E7	Water Right	98-4265	N		KOKANEE CEDAR SALES	DEEP CREEK	POD									X																						
60N01E7	Water Right	98-4287	N		BURLINGTON NORTHERN RAILROAD CO	TROUT CREEK	POD					X																										
60N01E7	Water Right	98-7075	N		HADDOCK, CLINTON R	GROUND WATER	POD			X																												
60N01E7	Water Right	98-7088	N		LUND, DONALD C; LUND, RUBY E; ROBERTS, H	TRAIL CREEK	POD					X																										
60N01E7	Water Right	98-7177	N		DAVIDSON, CHARLES E; DAVIDSON, MARY H	GROUND WATER	POD			X																												
60N01E7	Water Right	98-7418	N		LUND, DONALD C; LUND, RUBY E	GROUND WATER	POD					X																										
60N01E7	Water Right	98-7561	N		KOVACS, BARBARA; KOVACS, TIBOR; STEPHEN	TRAIL CREEK	POD						X																									
60N01E7	Water Right	98-7912	Y		BLOCKOFF, STUART J; BLOCKOFF, SUSAN L	TRAIL CREEK	POD		No overlapping POD rts- sole Trail Cr rt in this QQ								X																					
TRS	Process	Basin	Sequenc	Draft	Owner	Source	POD	POU	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres												
60N01E7	Water Right	98-2003	N		POPP, LOUIS	TROUT CREEK	POU		IRRIGATION							39										39												
60N01E7	Water Right	98-2045	N		DAVIS, E W	TROUT CREEK	POU		IRRIGATION					10									5			15												
60N01E7	Water Right	98-4265	N		KOKANEE CEDAR SALES	DEEP CREEK	POU		COMMERCIAL							X																						
60N01E7	Water Right	98-4287	N		BURLINGTON NORTHERN RAILROAD CO	TROUT CREEK	POU		INDUSTRIAL			X																										
60N01E7	Water Right	98-7075	N		HADDOCK, CLINTON R	GROUND WATER	POU		DOMESTIC	X																												
60N01E7	Water Right	98-7088	N		LUND, DONALD C; LUND, RUBY E; ROBERTS, H	TRAIL CREEK	POU		IRRIGATION				5																									
60N01E7	Water Right	98-7418	N		LUND, DONALD C; LUND, RUBY E	GROUND WATER	POU		IRRIGATION						4																							
60N01E7	Water Right	98-7561	N		KOVACS, BARBARA; KOVACS, TIBOR; STEPHEN	TRAIL CREEK	POU		IRRIGATION					3																								
60N01E7	Water Right	98-7750	N		CABINET MOUNTAINS WATER DISTRICT	GROUND WATER	POU		MUNICIPAL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													
60N01E7	Water Right	98-7912	Y		BLOCKOFF, STUART J; BLOCKOFF, SUSAN L	TRAIL CREEK	POU		IRRIGATION								X	X	X	X	X	X	X	X	X	0.5												
									Overlapping municipal rt; but not used.																													
									potentially overlapping unrecorded domestic well																													
									Blockoffs stated municipal water connection not available; therefore drilled a well																													
created by Michele Edl																																						
28-Jun-16																																						

Attachment to E.I.I.D. report 98-7912

Edl, Michele

From: Steading, Natalie
Sent: Tuesday, June 28, 2016 4:55 PM
To: Edl, Michele
Subject: RE: Blockoff domestic well

Hi Michele,

It doesn't seem like one was turned in, but I've email the driller to get a copy and I'm running a search on my computer; it might have been saved in the wrong file folder.

Natalie

From: Edl, Michele
Sent: Tuesday, June 28, 2016 1:50 PM
To: Steading, Natalie
Subject: Blockoff domestic well

Natalie,

I am trying to complete the overlap review for a B98 surface water right in the name of Stuart & Susan Blockoff. Their property is located in Hope, SENW, sec 7 of 60N, 1E.

Mr. Blockoff has told me that they couldn't get water from the Cabinet Mountains Water District so they had to drill their own well. Apparently the well provides the "domestic" water for two homes but I can't confirm any of this.

The only document I can find is a 2013 start card permit (D0061845). Did IDWR ever get the Driller's report?
Would ask around for me please?

Thanks

Michele

Form 235-3, 6/2008

Idaho Dept. of Water Resources

Write Tag Number Here

00061875

Start Card Permit - Single Family Domestic Well Only

(Cold Water less than 85°F)

1. Property Owner (please print): Stuart and Susan Blockoff

2. Current Mailing Address: 13 East Baywood Lane
 City: Hope State: Id Zip Code: 83836 Telephone: (208) 627-8139

3. Proposed Well Location: Twp. 60N Rge. 01E Sec. 7 5E 1/4 NW 1/4 1/4
 Gov't Lot No. _____ County Boundary Lat. 48.568 Long. -116.3878
 Street Address of Well Site Trail Creek and 95 City Maple
 Lot, block and subdivision _____
Give at least name of road + Distance to Nearest Road or Landmark

4. Are all adjacent septic tanks and drain fields accurately located? By Property Owner: Yes ☐ No ☐ By Health District: Yes ☐ No ☐

5. Well Construction Information: A. ☒ New well ☐ Replace ☐ Deepen ☐ Modify
 Previous well #: _____ B. Proposed Casing Dia. 6 C. Proposed Maximum Depth: 100

6. Construction Start Date: 12-17-2013 7. Well Drilling Co.: Universal Drilling Driller's Lic. No. 650

8. The Driller hereby accepts the terms and conditions of the Start Card Permit.

Principal Driller's Signature: [Signature] Date: 12-17-2013

9. The Well Owner affirms to have read this Start Card Permit, validates its accuracy and accepts the conditions.

Property Owner's Signature: [Signature] Date: 12-15-2013

CONDITIONS FOR USE OF START CARD:

1. This permit authorizes the construction or modification of one domestic well for a single-family residence. No additional residences, businesses, or dwellings may be connected to this well without a valid water right. Limited to irrigation of 1/2 acre lawn/garden and 13,000 gpd.
2. This form must be complete, including the prepaid tag number and signature of the driller. The owner should sign the start card after reviewing these conditions. Mailing must take place no less than 72 hours prior to construction (Dept. address below), hand delivered, or faxed to the Dept. prior to commencing construction. The start construction date shall be no more than 10 days after the Department receives the permit. An incomplete form will not be considered a valid permit to drill.
3. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare. All wells must be drilled a minimum distance of 100' from a drain field. Domestic wells must be drilled a minimum of 50' from a septic tank.
4. Only Well Drillers licensed in Idaho may use a Start Card for construction of a well. The driller shall maintain a copy of the Start Card and the well I.D. tag at the drilling site during construction.
5. This drilling permit does not authorize trespass on the land of another party.
6. This drilling permit does not constitute other local, county, state, or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
8. If a bottom hole temperature of 85°F or greater is encountered, well construction shall cease and the well driller shall contact the Department immediately.
9. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or his contractors to contact "Digline" (Digline is a one-call center for utility notification) not less than 2 working days prior to the start of any excavation for this project. The "Digline" Number for your area is 1-800-342-1585.
10. The stainless steel I. D. tag must be welded to the well casing by the driller upon completion of the well, and prior to removing the drill rig from the drill site and must remain permanently attached above ground level for the life of the well. The well tag shall be attached by welding at least 3 sides or using four (4) stainless steel, closed-end pop rivets.
11. A start card is not valid for drilling in Areas of Drilling Concern, Critical Groundwater Areas, Groundwater Management Areas, or other Areas as Identified by the Department.
12. The possession of a well tag does not authorize construction of a well.
13. Any well being replaced by a new well shall be properly abandoned by the well driller prior to removing the drilling equipment unless otherwise authorized by the department.

Your Start Card Application and/or Tag purchase may be submitted to one of the following offices:

IDWR Western Region
 2735 Airport Way
 Boise, ID 83705-5082
 Phone: (208) 334-2190 Fax: (208) 334-2348

IDWR Northern Region
 7600 North Mineral Drive, STE 100
 Coeur d'Alene, ID 83815
 Phone: (208) 762-2800 Fax: (208) 762-2819

IDWR Eastern Region
 900 North Skyline Drive STE A
 Idaho Falls, ID 83402-1718
 Phone: (208) 525-7161 Fax: (208) 525-7177

IDWR Southern Region
 1341 Fillmore Street, STE 200
 Twin Falls, ID 83301-3380
 Phone: (208) 736-3033 Fax: (208) 736-3037

Edl, Michele

From: Edl, Michele
Sent: Monday, June 27, 2016 10:59 AM
To: 'Angtre@outlook.com'
Subject: place of use for 98-7912
Attachments: 98-7912 place of use.jpg

Stuart and Susan Blockoff,

I left you a voice mail message earlier today. I hope this email account is available for a quick information exchange. I have been assigned to review and if possible, process a water right license for your Permit 98-7912. I have reviewed 2015 aerial photography and I believe that IDWR can issue a license for the use without the need of a onsite field inspection.

I have created a 1-acre place-of-use shape which appears to cover the garden and orchard use authorized by your permit. I have attached a screen shot to this email. Please look it over and let me know if I got it right.

Sincerely,
Michele Edl