

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

A. GENERAL INFORMATION

Permit No: 94-9418

Exam Date: 1/15/2016

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

2. Current Owner: Name: Clark And/Or Connie Schmidt
- Owner-of-Record Correct? ☒ Yes ☐ No
- Address-of-Record Correct? ☒ Yes ☐ No
- If No: <Address>

3. Beneficial Use Fees have been paid: ☒ Yes * ☐ No Receipt No: N031680
- \$50 check was submitted and will be returned as the permit was for .04 cfs from groundwater.

4. SOURCE**TRIBUTARY**

Ground Water

Method of Determination: Phone conversation with permit holders Connie and Clark Schmidt, permit, and statement of completion.

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
94-4237	Eagle Creek	Irrigation	Statutory Claim

Comments: Water right 94-4237 has 20 acres of the 100 acres associated with the right in the same QQ as this permit however the name does match taxlot information inside of the QQ. The shapefile includes the entire QQ however it does not appear to be used for this property and it is from a different source. Permit 94-9417 is for domestic use for the lot directly to the west of this permit. There is also a recommendation (94-9000) for domestic use for the lot to the east of the permit and a recommendation (94-8342) for domestic and stockwater to the south of this permit.

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

Water Right No.	Source	Purpose of Use	Basis
94-9417	Groundwater	Domestic	Permit
94-9000	Groundwater	Domestic	Recommendation

Comments: The map submitted with the original application for permit showing easement states the well used for this permit is also used for tracts #12 and #14. After a phone conversation with Clark Schmidt, it was confirmed that the well is shared between neighbors. Lot #12 is permit 94-9417 and lot #14 is recommendation 94-9000.

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

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Ground Water			NW	SE	17	50N	04E	B.M	SHOSHONE

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography. The POD is located west of the permit and is not on the permit holders property. See narrative for more information regarding access to the POD.

Change in POD? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No2. **LOCATION OF PLACE(S) OF USE:** Use: Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04E	24														X			

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

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

3.

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

The pipe size is unknown. The permit holder stated they utilize a spigot on the property that is being supplied from the well.

☒ 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
Hand dug 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: In-office field exam. No measurements taken**E. FLOW CALCULATIONS**☒ Additional Computation Sheets Attached

Pump Calculation = 0.08 cfs

Standard = 0.04 cfs

Permit allowed = 0.04 cfs

License recommended for 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\text{NA}}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\text{NA}}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\text{NA}}$$

Volume Calculations for Other Uses: Domestic – In house only

According to processing memo #22, when irrigation is separated from the domestic use, one household can have up to 0.6AF. I am recommending 0.6 AF for this license.

G. PURPOSE OF USEIrrigation ☐ Yes ☒ No # Stock _____Domestic # of Homes 1-3 RVs internal use

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

Permit 94-9418 authorized a diversion from ground water from a shallow hand dug well for domestic purposes at one home. Based on the small permitted diversion rates, this permit qualifies for an in-office field exam. The permit is in the Minimum Streamflows of the Coeur D'alene River (94-7341) however this is a ground water domestic use permit.

According to taxlot information updated on 5/4/2015 from Shoshone County, Clark and Connie Schmidt do own the property related to the place of use. During the permitting process, the US Forest Service requested to clarify and use the legal description of HES 188 when describing the lot as to avoid any confusion with the National Forest Service Land that is in the NWSE outside of HES 188. This information was on the permit and should be carried over to licensing.

During the review process, I was unable to locate the home associated with the permit. I contacted the permit holder and Clark Schmidt stated that they use a "fifth wheel camper" on the property. He stated that at times there is at least one but up to three campers on the site. Water is supplied from spigots on the property for domestic uses at the campers. Viewing the property with Google earth shows three campers on site. Clark also stated that he was not irrigating at the property so I am recommending 0.6 AF for 1-3 recreational vehicles for internal uses only.

The Point of Diversion for this permit is located on property owned by Arthur and Joan Hosteletler from a shallow 8' deep hand dug well. The permit holder stated that the well is shared by a few of the neighbors. The permit to the west (94-9417) of this permit and the recommendation to the east (94-9000) both reflect the same point of diversion on their mapping. A map submitted with the application for permit shows an easement to the approximate location of the well.

Conditions- The license should carry condition 004 in regards to right of ways and easements across the land of another since the exact location of the well was not confirmed. X01 should be removed and replaced with WB5 to clarify the domestic use. Condition 046 should be removed as the well is already in place. Condition 187 should be removed as no irrigation use has been established at the property. The two legal descriptions should be carried over to the license. Condition F06 was not added as permit 94-9417 and recommendation 94-9000 are not established water rights and it has not been verified these are the "neighbors" that share the well.

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>
Domestic	01/01 to 12/31	0.04 cfs	0.6 AF
	Total Diversion	0.04 cfs	0.6 AF

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

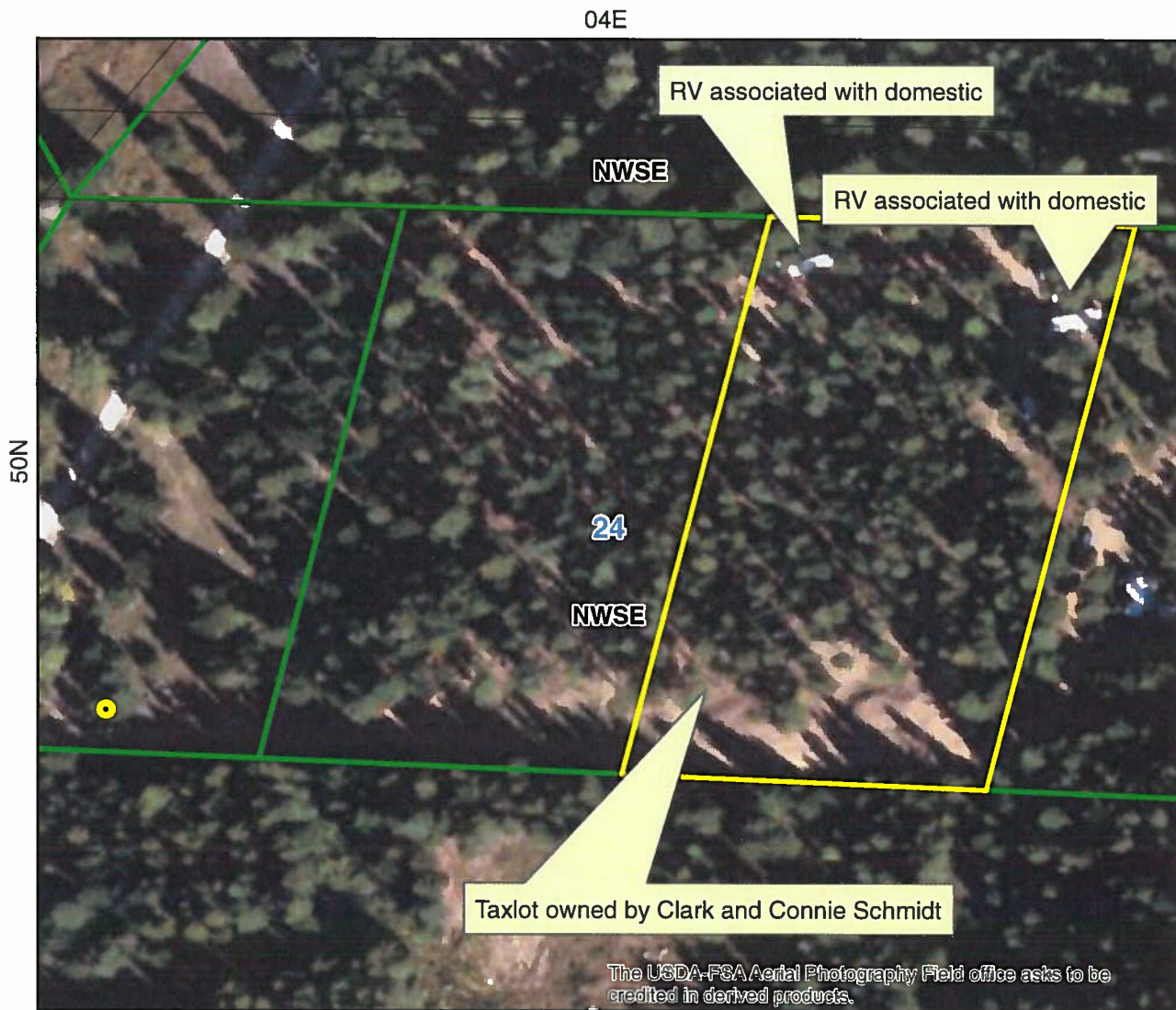
Other: < >

I. AUTHENTICATION – Steven Visosky, Water Resource AgentField Examiner's Name Steven Visosky Date 1/15/16

Reviewer _____ Date _____

Attachment to in-house license review of 94-9418

Map created by Steven Visosky 1/15/16



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

0 0.015 0.03 0.06 Miles





Google earth

feet 600
meters 100



Attachment to in-house license review of 94-9418

This photo from Google Earth shows 3 RV's on taxlot associated with this permit.

Steve Visosky 1/15/16

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 94-9418
 Reviewer: Steven Visosky
 Date of Review: 1/14/2016

P/D No.:

PUMP HORSEPOWER
 BOOSTER HORSEPOWER

PUMPING LEVEL

DISCHARGE PRESSURE

RATE OF FLOW (cfs)

Well #1
1.5
0
8
40
0.09
41

Well #2
1.5
0
8
50
0.07
34

Well #3
1.5
0
8
60
0.06
28

0.08
34.39

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

A standard sized pump used for a three home system would most likely be at least a 1.5 HP pump. Assuming pressure ranges of 40-60 psi with a lift of 8', it is reasonable to say that a standard size pump in this application would deliver the 0.04 cfs recommended for this license. If three homes were allocated 3 separate water rights each at 0.04 cfs, the system may be self regulated if all three homes tried to utilize all of their water at the same time with a 1.5 HP pump.

Process	Basin Sequenc	Draft	Owner	Source	POD/ POU	NWS E	Total Acres	License review comments
Water Right	94-4237	N	TESTER, BENJAMIN WAYNE	EAGLE CREEK	POU	20.0	100	WR from Statutory Claim for irrigation. 20 acres inside of QQ with a name that matches one taxlot south of this permit. Different source.
Adjudication Recommendati on	94-8342		HEYN, RONALD D	GROUND WATER	POU	X	0	Stockwater beneficial use claim south of the permit
Adjudication Recommendati on	94-8735		HEYN, RONALD D	EAGLE CREEK	POU	5.3	7.1	Irrigation of 7.1 acres south of the permit
Adjudication Recommendati on	94-9000		HOSTETLER, ARTHUR; HOSTETLER, JOAN	GROUND WATER	POU	X	0	Domestic ground water to the east of the permit
Water Permit	94-9417	N	GABRIEL, KENNETH; GABRIEL, WENDY	GROUND WATER	POU	X	0	Lot directly west of this permit
Water Permit	94-9418	N	SCHMIDT, CLARK; SCHMIDT, CONNIE	GROUND WATER	POU	X	0	Permit under review
Adjudication Recommendati on	94-9000		HOSTETLER, ARTHUR; HOSTETLER, JOAN	GROUND WATER	POD	X	0	domestic ground water east of permit
Water Permit	94-9417	N	GABRIEL, KENNETH; GABRIEL, WENDY	GROUND WATER	POD	X	0	Lot directly to the west of this permit
Water Permit	94-9418	N	SCHMIDT, CLARK; SCHMIDT, CONNIE	GROUND WATER	POD	X	0	Permit under review