

IN-OFFICE BENEFICIAL USE FIELD REPORT

Permit No: 77-14216

Examiner: Cody Parker

Date: 01/10/2018

In-office qualification (IDAPA 035.01.r):

- ☐ Irrigation ≤ 5 acres
☐ Stockwater storage ≤ 14.6 af
☒ Total diversion rate ≤ 0.24 cfs and not irrigation or storage

Current Owner Name: USDA Forest Service

Address: 500 N Mission St Bldg 2, McCall, ID 83638

Beneficial Use Fee Paid: \$NA

Receipt: NA

Source: Ground Water

 Source change? ☒ N ☐ Y Change clarifies originally intended source.
 If not – void permit.

Point of Diversion			NE				NW				SW				SE			
Twp	Rge	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
24N	02E	12															X	

Method of Determination: Map from permit holder dated 10/29/2018

POD change? ☒ N ☐ Y

Place of Use			NE				NW				SW				SE				Totals
Twp	Rge	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
24N	02E	12															X	L1	
24N	02E	13	L2	L2															

Method of Determination: Aerial imagery, digital PLS mapping

POU change? ☐ N ☒ Y

Purpose of Use: Domestic

Purpose change? ☐ N ☐ Y

Method of Determination: Application, campground visible in imagery

Standard Season of Use: 01/01 to 12/31

Update required on license? ☒ N ☐ Y**Overlap Review**POD overlap? ☒ N ☐ Y WR's:Analysis Attached ☒ Comments:POU overlap? ☐ N ☒ Y WR's: 77-10914

Comments:

Diversion Rate

Permitted Rate: 0.02 cfs

BU Standard Limit: 0.04 cfs

BU Fee Limit: 0.04 cfs

Theoretical (optional): cfs

Recommended Total Div Rate: 0.02 cfs**Annual Volume**

For Irrigation: cfs x 1.9835 x days = af
 acres x af/ac (FHR) = af
 Smaller of two volumes = af

For other uses: Domestic: 0.6 afa per Admin Licensing Memo No. 4

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Recommended Amounts

Beneficial Use	Season of Use	Diversion Rate (cfs)	Annual Volume (af)
Domestic	01/01 to 12/31	0.02 cfs	0.6 afa

Totals

0.02 cfs

0.6 af

Amendments Required☒ Change P.D.☐ Add P.D☐ None☒ Change P.U.☐ Add P.U.☐ Other:**Conditions:**

Drop 26A and 046

Have conditions of permit been met? ☒ Y ☐ N

Narrative: This permit authorizes diversion of 0.02 cfs from ground water for domestic uses associated with the Spring Bar Campground. Proof of beneficial use was submitted on December 6, 2005. I completed an in-office field exam for this permit on January 10, 2018 and updated the report on October 29, 2018.

The backfile shows that the well was drilled at the time of the original application. The well was constructed under permit no. 807806 by Stuvenga Vessey Drilling in October 2003. The report shows the well is in the NWNE of Sec. 13, T24N, R02E. However, a map submitted by the permit holder shows that the well is actually located in the SWSE of Sec 12. No amendment needed for the point of diversion.

The place of use is the Spring Bar Campground located in the Nez Perce-Clearwater National Forest. There are 17-18 tent sites in the campground with no water hook ups for RVs. According to information I found online, drinking water is made available using a pressurized system powered by solar panels. The area in the NENE of Sec 13 was not described on the permit. The right will require an amendment at licensing.

According to Admin Licensing Memo No. 4, 0.6 afa should be used as the annual volume for Forest Service Campgrounds. The same memo suggests that most campgrounds use a handpump to divert water and the maximum diversion rate from such pumps are around 1 gpm. As I discuss above, this system is pressurized and solar powered. I cannot get a measurement of the diversion in-office, nor do I have any information regarding the pump used. The volume suggested by Licensing Memo 4 is equivalent to the volume required for internal-use only domestic use for 1 home. Therefore, the diversion rate for 1 home seems like it would be an acceptable value for the license. However, the permit rate is limiting in this case, so I have recommended a diversion rate of 0.02 cfs for the license.

Right 77-10914 authorizes the diversion of 0.02 cfs and up to 13,000 gallons per day from a spring for the same purpose. Regardless, no combined use limit is required in the case of domestic rights. Condition X01 will be updated to specify that domestic use is for the Spring Bar Campground.

Workflow

Exam Date Entered	☒
POU/POD shapes	☒
Combined Rights Entry	☐
Wild & Scenic Entry	☐
Draft License and Map	☒
FE Database (N: drive)	☐

Supporting Documents

Aerial Photograph	☒	Well Log	☒
POU/POD Map	☒	Diagrams	☐
LandSat	☐	Theoretical	☐
Photographs	☐	Other:	
Site Visit Date:			

AuthenticationField Examiner's Name: Cody [Signature]Date: 12-3-2018Reviewer: Angela [Signature]Date: 12/3/18

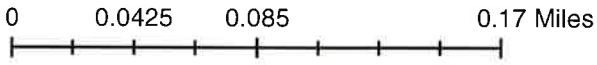
State of Idaho
Department of Water Resources
Attachment to Water Right License
77-14216

This map depicts the DOMESTIC 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.

02E



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



BENEFICIAL USE FIELD REPORT

24N02E13

Basin/Seq	Owner	Source	Use
77-14216	US DEPT O	GROUND V	DOMESTIC
77-11023	UNITED ST.	SALMON R	STOCKWATER
77-4071	CARLSON C	ALLISON C	IRRIGATION
77-4102	US DEPT O	SPRING	DOMESTIC
77-4103	US DEPT O	SPRING	DOMESTIC

NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	TotalAcres
X	X															
X	X	X					X	X	X							
					1											1
					X											
		X														

24N02E12

Basin/Seq	Owner	Source	Use
77-14216	US DEPT O	GROUND V	DOMESTIC
77-10913	UNITED ST.	SPRING CR	IRRIGATION
77-10914	UNITED ST.	SPRING	DOMESTIC
77-10926	UNITED ST.	SPRING CR	STOCKWATER
77-4101	US DEPT O	SPRING	DOMESTIC
77-4109	UNITED ST.	SPRING	STOCKWATER

NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	TotalAcres
														X	X	
														1	1	2
													X	X		
	X	X											X	X		
												X				
														X		

Different use, different source
Overlapping use, different source

BENEFICIAL USE FIELD REPORT

[illegible]

Basin	Sequr	Owner	Source
77-11023		UNITED STATES OF AMER	SALMON RIVER
77-4102		US DEPT OF AGRICULTUR	SPRING
77-4103		US DEPT OF AGRICULTUR	SPRING
77-14216		US DEPT OF AGRICULTUR	GROUND WATER

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

807806

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat _____ Long _____

1. WELL TAG NO. D 0033255
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER
Name U. S. Dept of Agriculture, U. S. Forest Service
Address Rt. 2, Box 475
City Grangeville State ID Zip 83530

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W
E
S
Twp. 24 North ☒ or South ☐
Rge. 2 East ☒ or West ☐
Sec. 13 NE 1/4 NW 1/4 NE 1/4
Govt Lot _____ County Idaho
Lat _____ Long _____

Address of Well Site Idaho County Road 1614
Spring Bar Campground City Riggins
(Give at least one of road - (Reference to Road or Landmark))

Li. _____ Bk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Portland Cement	0	58	62S		Pumped Down
					Trimey Pipe

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 58'
Was drive shoe seal tested? ☒ Y ☐ N How? Air Test

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	58	280	Steel	☒	☐	☐	☐
4 1/2	-5	340	200	PVC	☐	☒	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

X Perforations Method Saw Cut
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
140	160	1/8x6	10	4 1/2	PVC	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

12 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 95 ft. Describe access port or control devices: Well Cap

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
1.2			1 hour

Water Temp. 52 Bottom hole temp. _____

Water Quality test or comments: Cool & Clear

Depth first Water Encounter 95

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	5	Overburden		X
10	5	20	Broken Black & White Granite		X
10	20	25	Decomposed Granite		X
10	25	38	Broken Granite		X
10	38	58	Black & White Granite		X
6	58	90	Black & White Granite		X
6	90	100	Quartz	X	
6	100	125	Black & White Granite		X
6	125	147	Quartz		X
6	147	200	Black & White Granite		X
6	200	205	Quartz		X
6	205	265	White Granite		X
6	265	285	Black & White Granite		X
6	285	300	White Granite		X
6	300	310	Black & White Granite		X
6	310	335	White Granite		X
6	335	350	Black & White Granite		X
6	350	410	Quartz		X
6	410	415	Black & White Granite		X
6	415	440	White Granite		X
6	440	485	Black & White Granite		X
6	485	510	White Granite		X
6	510	605	Black & White Granite		X
6	605	670	White Granite		X
6	670	700	Black & White Granite		X

RECEIVED

OCT 23 2003

WATER RESOURCES
WESTERN REGION

Completed Depth 700 (Measurable)
Date: Started 10/9/03 Completed 10/16/03

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Shuivenga Vessey Drilling Firm No. 545

Firm Office _____ Date 10-21-03
and _____
Driller or Operator E. J. Marum Date 10-21-03

(Sign upon if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES