

IN-OFFICE BENEFICIAL USE FIELD REPORT

Permit No: 65-22693

Examiner: CP

Date: 01/12/17

In-office qualification (IDAPA 035.01.r):

☐ Irrigation $\leq$ 5 acres☐ Stockwater storage $\leq$ 14.6 af☒ Total diversion rate $\leq$ 0.24 cfs and not irrigation or storage

Current Owner Name: US DEPT OF AGRICULTURE

Address: FOREST SERVICE 1249 VINNELL WAY STE 200

Beneficial Use Fee Paid: \$50.00

Receipt: C071775

Source: Groundwater

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
11N	05E	20																X

Method of Determination: Well log has description and coordinates

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	
11N	05E	20																D	D

Method of Determination: Campground visible in aerial imagery

POU change? ☒ N ☐ Y

Purpose of Use: Domestic

Purpose change? ☒ N ☐ Y

Method of Determination: Well with handpump used for campground

Standard Season of Use: 05/01 - 10/31 (from application)

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

Comments: The only other WR in section is a stockwater right

POU overlap? ☒ N ☐ Y WR's:

Comments: See above

Diversion Rate

Permitted Rate: 0.04 cfs

BU Standard Limit: 0.01 cfs

BU Fee Limit: 0.20 cfs

Theoretical (optional): cfs

Recommended Total Div Rate: 0.01 cfs (based on 1 gpm capacity per Admin Licensing Memo 4)**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: 13,000 gpd per 42-111

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Recommended Amounts

Beneficial Use	Season of Use	Diversion Rate (cfs)	Annual Volume (af)
Domestic	05/01 - 10/31	0.01	

Totals

0.01 cfs

af

Amendments Required

☐ Change P.D.☐ Add P.D☒ None☐ Change P.U.☐ Add P.U.☐ Other:

Conditions: Drop conditions 046 and 106, add 070 and 071

Have conditions of permit been met? ☒ Y ☐ N

Narrative:

Permit 65-22693 authorized the diversion of 0.04 cfs from groundwater for domestic use for the Rattlesnake Campground. The diversion rate is less than 0.24 cfs, qualifying this permit for an in-office field examination. The exam was completed on 1/12/17 by WRA Cody Parker.

The location of the point of diversion is given in the well log. The log gives both the legal description and the GPS coordinates in Degrees-Minutes-Seconds. Both of these methods place the well in Sec 20, T11N, R05E, SE 1/4, SE1/4. I cannot determine the location of the well within the campground using the coordinates, aerial imagery, or USFS campground information. The POU is the campground itself, located within the same QQ and the POD. The permit specifies that the domestic use is for a 6-unit public campground, while the current USFS information describes it as a 9-unit campground. I have updated this information in condition X01.

There is no overlap for the POU or POD for this permit. The only other water right within the same section is a stockwater right diverting from the Middlefork of the Payette, rather than from groundwater.

The diversion rate I have recommended for the license is 0.01 cfs. This rate is what I have interpreted to be the BU Standard rate for campgrounds with handpumps from Admin Licensing Memo No. 4. Memo 4 states that "[m]ost campgrounds using groundwater install hand-operated pumps which have a capacity of about 1 gpm." The Rattlesnake Campground does indeed use a hand-operated pump. Therefore, I have suggested the minimum diversion rate allowable of 0.01 cfs which is equivalent to about 4.5 gpm and should be a more than sufficient diversion rate to meet the right holder's needs.

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 ☒
 POU/POD Map ☒
 LandSat ☐
 Photographs ☐
 Site Visit Date: ☐

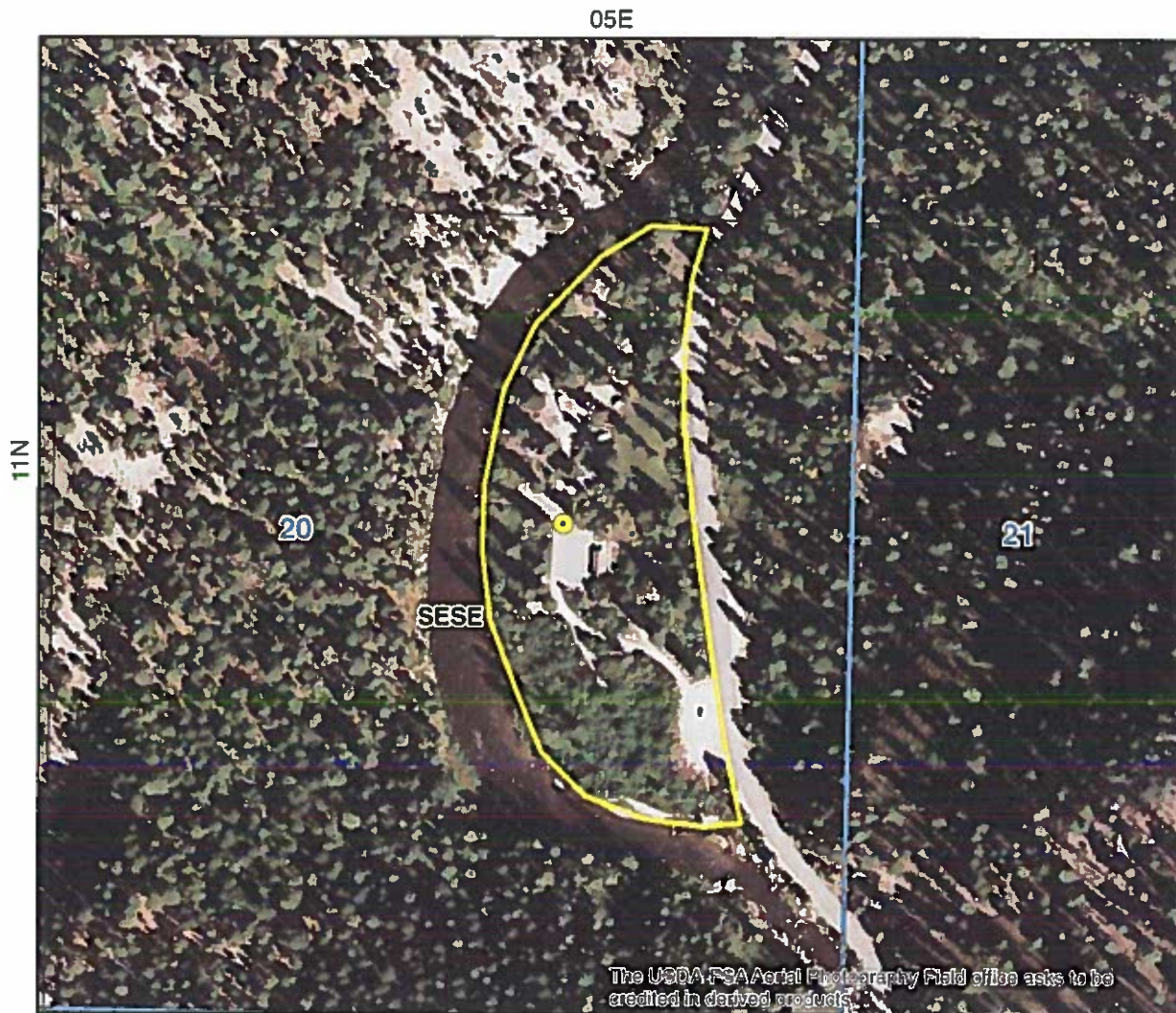
Well Log ☒
 Diagrams ☐
 Theoretical ☐
 Other: ☐

Authentication

Field Examiner's Name: Cody ParkerDate: 1-13-17Reviewer: Patricia M. MaysDate: 1-27-2017

State of Idaho
Department of Water Resources
Map of POU/POD
65-22693

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.



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

0 0.035 0.07 0.14 Miles



Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0000 419
DRILLING PERMIT NO. 871513 WRD#
Water Right or Injection Well No. -

2. OWNER:
Name USDA Forest Service
Address 1249 South Vinnell Way
City BOISE State IDA Zip 83709

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 11 North ☒ or South ☐
Rge. 5 East ☒ or West ☐
Sec. 20 1/4 SE 1/4 SE 1/4
Gov't Lot 10 County VALLEY
Lat: 44° 16' Long: 115° 52' 45"
Address of Well Site Rattle Snake Campground

(Give at least name of road + Distance to Road or Landmark)

Lt. - Blk. - Sub. Name -

4. USE:

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

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 Material	From	To	Weight / Volume	Seal Placement Method
Portland Cement	0	50	1120 #	pump through
Enviroplug				tremie pipe

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 60'

Was drive shoe seal tested? ☒ Y ☐ N How? Hydrostatic

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	61	1/4	Steel	☒	☐	☒	☐
4	-4	100	3/4	PVC	☐	☒	☐	☒

Length of Headpipe - Length of Tailpipe -

Packer ☐ Y ☒ N Type -

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Factory - Hydrophilic Co.

Screen Type & Method of Installation PVC Sch 40 - towered

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
100	120	0.02		4"	PVC	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
Gravel 1/8 in	60	120	600 #	Tremie

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

3'-8" ft. below ground Artesian pressure - lb.
Depth flow encountered - ft. Describe access port or control devices: -

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:

12. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
5	60'	60'	2 hr.
3	31'	60'	2 hr.

Water Temp. 49°F Bottom hole temp. -

Water Quality test or comments: Clear

Depth first Water Encounter 28

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	45	black silt		☒
10	45	80	coarse sand, small gravel		☒
10	80	120	gravels, cobbles alluvium		☒
10	120	180	coarse sand some scattered gravel - dry		☒
10	180	210	broken, altered granite		☒
10	210	280	decomposed granite		☒
10	280	500	fractured granite with quartz seams, little water		☒
10	500	580	fractured granite some iron pyrite		☒
6	580	800	fractured granite with seams producing water		☒
6	800	1200	granite - dense no fractures		☒

RECEIVED
OCT 21 2002
Department of Water Resources

Completed Depth 120' (Measurable)

Date: Started 6/12/02 Completed 6/19/02

14. DRILLER'S CERTIFICATION

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

Company Name R.P. Jones Firm No. 453

Principal Driller Robert B Jones Date 6/29/02

Driller or Operator II - Date -

Operator John J. Edwards Date 6/29/02

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES