

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-321801. Owner Deer Creek Water FundPhone No. 208-345-4147Current address C/O Carl Olsson, 15 Canyon Trail, Boise, ID 837162. Examiner's name Cody ParkerEXAM DATE April 5, 20183. Accompanied by Carl Olsson

Email _____

Address SameRelationship to permit holder Treasurer

Phone No. _____

4. Source Groundwatertributary to Boise River**B. OVERLAP REVIEW**1. Other water rights with the same place of use 63-9217, 63-99002. Other water rights with the same source and point of diversion Same**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SE	SW	33	04N	04E	Boise	GPS, digital PLS

2. Place(s) of Use:

Method of determination aerial imagery, tax parcel spatial data, digital PLS map

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	04E	33												X					

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ 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
No metal tag		1		Grundfos	

*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
None						

2. Measurements: _____

E. NARRATIVE/REMARKS/COMMENTS

This permit authorizes the diversion of 0.15 cfs and 2.4 afa from groundwater for domestic uses. The permit is for an existing system covered by rights 63-9217 and 63-9900, and was meant to add additional volume to bring the total up to the BU standard for 8 homes including up to 1/2 acre irrigation per home. I completed the field exam on April 5, 2018 and was accompanied by Carl Olsson, the "HOA" treasurer.

A single well provides water for 8 homes, all accessed from Canyon Trail in Boise County Idaho. A 1-hp pump set at 180 ft below ground surface diverts water from the well to an 8,000-gallon storage tank approximately 400 ft east. Water is gravity fed from the storage tank to a separate pump house with 3 81-gallon pressure tanks. Water is delivered on demand from the tanks using a 3-hp Munro centrifugal pump.

The original application proposed construction of a new well. The new well was not drilled; instead the existing well used by rights 63-9217 and 63-9900 was used. The well is located at N 43 38' 01.8" by W 115 59' 22.2" in the SESW of Sec. 33, T04N, R04E, B.M. Assuming open discharge into the storage tank, I estimate the capacity of the pumping system to be 0.03 cfs, which is the rate I recommend for this license. The two overlapping rights authorize a combined 0.06 cfs from the same well. A combined use limit will be added to this license to limit all three rights to 0.06 cfs when combined.

The permit limited the total annual volume of this right to 2.4 afa. The total use developed is 9.6 afa which includes up to 1/2-acre irrigation per home. The overlapping rights provide 7.2 afa. This volume for this license is the difference between the two.

I added the tributary to the Boise River because the POU is in the restricted area and draws water from less than 200 ft. I updated the water bearing zone to reflect the existing well that was used.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

$$Q = 8.8 \times 0.7 \times 1 \text{ hp} / (150 + 41 + 2.31 \times 0 \text{ psi}) = 0.03 \text{ cfs}$$

Permit = 0.15 cfs.

BU Standard = 0.13 cfs (Admin AP Memo 22)

Recommend 0.03 cfs

This right combined w/ 63-9217 and 63-9900 are limited to 0.06 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

8 homes domestic use w/ lawn @ 1.2 afa per home = 9.6 afa (Admin AP Memo 22)

63-9217 = 4.8 afa; 63-9900 = 2.4 afa

Remaining use = 2.4 afa

Permit = 2.4 afa (recommended)

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01/01	12/31	0.03 cfs	2.4 afa
Totals:				

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

Date

4-10-18

Reviewer

Date

4/10/18

SEAL

State of Idaho
Department of Water Resources
Beneficial Use Field Report
63-32180

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





Separate well
POD Overlap

[illegible]

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

04N04E33

Basin/Sequ	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SESW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-32180	DEER CR	GROUND	DOMESTIC								X									
63-10771	RANCH S	GROUND	DOMESTIC										X							
63-15093	ALLEN, G	SPRINGS	DOMESTIC															X		
63-15093	ALLEN, G	SPRINGS	IRRIGATION												3		15	5	X	23
63-15093	ALLEN, G	SPRINGS	STOCKWATER																	
63-15094	ALLEN, G	UNNAME	IRRIGATION												3		15	5	X	23
63-15095	ALLEN, G	GROUND	DOMESTIC																X	
63-15095	ALLEN, G	GROUND	STOCKWATER																X	
63-15102	LEWIS, P	GROUND	DOMESTIC						X											
63-15102	LEWIS, P	GROUND	STOCKWATER						X											
63-15236	FARRELL	SPRING	DOMESTIC																	
63-15648	OWNBY, .	GROUND	DOMESTIC																	
63-2037	HEDRICK	UNNAME	IRRIGATION		20			6												
63-2037	HEDRICK	VOQUELI	IRRIGATION		20			6												
63-30086	WOOD, M	GROUND	DOMESTIC																	
63-318A	RANCH S	MORES C	IRRIGATION																	
63-318B	BLUE JA	MORES C	IRRIGATION																	
63-318C	BERKSON	MORES C	IRRIGATION																	
63-318C	BERKSON	MORES C	STOCKWATER						8	4.5										
63-318C	BERKSON	SPRING	IRRIGATION						X											
63-318C	BERKSON	SPRING	STOCKWATER						8	4.5										
63-4744	BURKHAI	SPRINGS	DOMESTIC						X											
63-4744	BURKHAI	SPRINGS	STOCKWATER																	
63-7037	BLUE JA	BLUE JA	DOMESTIC																	
63-7037	BLUE JA	BLUE JA	IRRIGATION																	
63-7037	BLUE JA	SPRINGS	DOMESTIC																	0.3
63-7037	BLUE JA	SPRINGS	IRRIGATION																	
63-7781	BURNETT	GROUND	DOMESTIC																	0.3
63-9217	DEER CR	GROUND	DOMESTIC																	
63-9394	BURKHAI	GROUND	IRRIGATION																	
63-9900	DEER CR	GROUND	DOMESTIC																	

Different use, same QQ
Same use, different well, no overlap
Overlapping water rights

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

USE TYPEWRITER OR
BALLPOINT PEN

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

Well # 2

1. WELL OWNER *375-3377*

Name *Ed Jenkins*

Address *925 North Cole*

Owner's Permit No. *93704*

7. WATER LEVEL

Static water level *140* feet below land surface.

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal

☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary

☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness _____ inches Diameter _____ inches + _____ feet _____ feet

_____ inches _____ inches _____ feet _____ feet

_____ inches _____ inches _____ feet _____ feet

_____ inches _____ inches _____ feet _____ feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☒ Torch

Size of perforation _____ inches by _____ inches

Number _____ From _____ To _____

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth *18* Material used in seal: ☐ Cement grout

☐ Puddling clay ☒ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location. *63*

Subdivision Name _____

Lot No. _____ Block No. _____

County *Boise*

3 E. 1/4 SW 1/4 Sec. 33 T. 4 N. R. 4 E.

9. LITHOLOGIC LOG *105820*

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
9	0	18	top soil		X
9	2	18	thinner clay + boulders		X
8	18	70			X
8	70	99	black fine sand		X
8	99	101	loose boulders		X
8	101	137	black lava rock		X
8	137	149	cemented gravel	X	/
8	149	159	decomposed gravel	X	/
6	159	180	solid gravel		X
6	180	200	black lava cracked	X	

10. Work started *5-2-78* finished *5-5-78*

11. DRILLERS CERTIFICATION

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

Firm Name *Can-Ad Well Drilling* Firm No. *304*

Address *Box 328 Kuna, Idaho* Date _____

Signed by (Firm Official) *Earl Jenkins*

and _____

(Operator) *H. J. Jenkins*



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

January 22, 2018

DEER CREEK WATER FUND
C/O C OLSON
15 CANYON TRAIL
BOISE ID 83716

RE: Water Right Permit No. 63-32180

Dear Permit Holders,

I am writing today in regard to the water right permit referenced above which authorizes the diversion of 0.15 cfs groundwater for domestic use. On December 23, 2015, you submitted Proof of Beneficial Use for this permit stating that your project is fully developed. The next step in the water appropriation process is to complete a Beneficial Use Field Examination to determine the extent to which water use was developed under the permit. The field examination is the final step before the Department can issue a water right license.

If you did not develop a beneficial use of water during the development period, a license cannot be issued and the permit should be relinquished. If the use *was* developed, but you have ceased using the water and have no further interest in pursuing a water right license, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

Please contact me within the next thirty (30) days to schedule a field examination for your water right permit. You can reach me by phone at 208-334-2190 or by email at cody.parker@idwr.idaho.gov. If you no longer own the place of use, the Department will work with the current property owner to issue a license or void the permit. If you still own the property, but do not make a timely response in this regard, the permit will be voided.

Please let me know if you have any questions regarding the content of this letter. I appreciate your attention to this matter, and I look forward to hearing from you.

Respectfully,

Cody Parker
Water Resource Agent
IDWR Western Region

Enclosed: WR Report, WR Map, Relinquishment of Permit