

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-17664
Exam Date: 08/18/2022

1. Current Owner:

JANA L LINDERMAN
AND
ROBERT K LINDERMAN
4377 N 1400 E
BUHL ID 83316-5234

2. Accompanied by: Tyler Wallace, IDWR; Robert Linderman, permit holder
Phone No: 208-749-4345
Address: Same as above
Relationship to permit Holder: permit holder

3. **SOURCE:**
UNNAMED STREAM

Tributary
MUD CREEK

Method of Determination: Observed POD; it was in the unnamed stream.

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

Water Right No.	Source	Purpose of Use	Basis
47-17431	Unnamed stream	Irrigation	Decree

Comments: Water to house is supplied by an exempt domestic well; right 47-17431 appears to be undeliverable as Mr. Linderman has no way to access the POD or to convey the water to his land.

2. Other water rights with the same point-of-diversion: None.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM NE¼ SE¼ NE¼, Sec. 23, Twp 09S, Rge 14E, B.M. TWIN FALLS County

Method of Determination: Field exam and ArcMap aerial imagery

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	14E	23	X			X													
09S	14E	24						X	X										

Method of Determination: Field exam and ArcMap aerial imagery.

3.

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

☒

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

☒

Aerial Photo Attached (required for irrigation of 10+ acres).

☒

Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Unnamed stream		0.75			1 1/4" Discharge

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: No measurement made per beneficial use exam rules.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: NA

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: NA

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

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

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

2. Volume Calculations for Other Uses: No volume required per beneficial use exam rules.

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 47-17664 was completed on August 18, 2022 with IDWR Engineer Intern Tyler Wallace and permit holder Robert Linderman in attendance. Water for the permit originates in the unnamed stream where it is pumped by a $\frac{3}{4}$ H. P. pump in a 1.25" diameter plastic pipe to a covered vertical CMP located about half way up the slope to the house. The metal standpipe also receives ground water that is collected by tile drains on the property, and any of the water from the two sources that is not used flows in an 8" PVC pipe back to the stream. Inside the standpipe is a 2 H.P. pump that pressurizes the water and sends it to the sprinkler system that serves the lawn and nearby pasture.

The Linderman property also has a ground water well with an associated exempt domestic use. The flow from the tile drains on the property would be considered to be ground water and a part of the exempt domestic use.

No measurement of the flow rate was made because the flow rate was below the measurement requirement outlined in the beneficial use exam rules. No volume will be assigned, also because domestic uses as defined in Idaho Code 42-111 are exempt from the volume requirement. The recommended flow rate will be the permitted rate of 0.02 cfs.

In confirming compliance with the conditions of approval of the permit, it appears that the conditions have been met. The condition requiring a lockable device was met by the setup of the power outlet in the standpipe. The plug could be pulled and a locking cable could be secured over the outlet cover, rendering the power outlet unusable (see photo in field exam). The water would then run back down the overflow pipe into the unnamed stream.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>
DOMESTIC	03/15 to 11/15	0.02 CFS

Totals: 0.02 CFS

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 ☒ None

I. AUTHENTICATION

Field Examiner's Name Jim B. [Signature] Date 8-24-2022

Reviewer [Signature] Date 8/25/2022



POU – Lawn and adjacent pasture

POU - Lawn



Permit 47-17664 Linderman



Point of Diversion (blue arrow) – Standpipe (red arrow) with booster pump in background

Lockable controlling works – Power to the booster pump inside standpipe - The plug could be pulled and a locking cable could be secured over the outlet cover, rendering the power outlet unusable



47-17664 Linderman
Place of Use & Point of Diversion



Legend

- | | |
|--|--|
|  Township/Range |  Place of Use |
|  Sections |  Point of Diversion |
|  QQ | |

47-17664 Linderman System Diagram



Legend

- | | |
|--|--|
|  Township/Range |  Place of Use |
|  Sections |  Point of Diversion |
|  QQ | |

Detail Drawing of Standpipe 47-17664 Linderman

