

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23728
Exam Date: 08/30/2024

1. Current Owner:
SANDS LLC C/O STEVE LOOMIS
7154 W STATE ST # 187 BOISE ID 83714-7421
2. Accompanied by: Steve Loomis
Phone No: (208) 859-8115
Address: 30 Plum Dr., Horseshoe Bend, ID 83629
Relationship to permit Holder: Mr. Loomis the manager of Sands LLC

3. **SOURCE:**
SPRING

Tributary
ROBBS CREEK

Method of Determination: Beneficial use exam and Department records

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
65-23067	Unnamed stream trib Robbs Cr.	irrigation, irrigation storage, irrigation from storage, stock water, wildlife storage, aesthetic storage	License

Comments: _____

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING NE¼ NE¼ NW¼, Sec. 17, Twp 06N, Rge 02E, B.M. BOISE County

Method of Determination: Field examination, permit, and ArcMap tools with aerial imagery.

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06N	02E	17					X												

Method of Determination: Field examination, permit, and ArcMap tools with aerial imagery.

3.

X 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.

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

X 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
n/a	n/a	n/a	n/a	n/a	n/a

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
n/a	n/a	n/a	n/a	n/a	n/a	n/a

2. Measurements: insufficient flow in late season for a measurement

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method: Standard Beneficial Use Rate and Volume

The proof submitted indicates stock water use for 200 head of range cattle.

Per Application Processing Memorandum No. 3:

Annual Use of Water for Stock water Purposes: Range Cattle

No. of Stock	Rate*	Volume
(head)	(cfs)	(AF/Yr)
101 - 200	0.05	2.7

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

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

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

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

2. Volume Calculations for Other Uses:

$$\text{Volume required (Vr): } \frac{200}{\text{\# animals}} \times 0.0134 = 2.68 \text{ AF}$$

$$\text{Volume diverted (Vd): } \frac{0.05}{\text{permit cfs}} \times 365 \times 1.9835 = 36.2 \text{ AF}$$

$$\text{Volume recommended} = \text{smaller of Vr and Vd} = 2.7 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

Sands LLC is the owner of permit 65-23728 for stock water use in Boise County. The proof of beneficial use was submitted on 3/23/2023 with an examination fee of \$50 for 0.05 cfs. A field exam was conducted on 8/30/2024. Steven J Loomis, manager of Sands LLC accompanied the water rights agent on the exam. According to current Boise County taxlot data Sands LLC is the current owner of the land appurtenant to the place of use and point of diversion.

The original application for permit indicated the applicant intended to divert spring water from a spring box through a pipe into a stock water tank for 200 head of range cattle. Sands LLC leases the rangeland for grazing to a local rancher. At the time of the exam cattle had already grazed the rangeland and water sources were drying up. At the time of the field exam, a small trickle of water, insufficient for a bucket measurement, was flowing through a 2-inch pipe into an oval galvanized stock tank (2 ft. x 6 ft. x 2 ft) with an approximately 170-gallon capacity. The stock water tank was dry due to being shot full of holes by shotgun bb's. Water was observed seeping around and under the tank in the cattle tracks. The landowner reports that flows are significantly greater earlier in the season. The point of diversion is a buried spring box located approximately 300 feet uphill from the stock tank in a previously wetted area as evidenced by cattle hoof prints and vegetation.

According to Admin AP Memo No. 3, the standard diversion rate for stock water use for 200 head of range cattle is 0.05 cfs, which was the maximum rate allowed by the permit. A diversion rate of 0.05 cfs is recommended for licensing. The recommended annual volume was taken from Admin AP Memo No. 3 and is recommended at 2.7 af.

All conditions of the permit have been met. Removed conditions R05, 01R, 185, X02, 26A, and 121 as per Department standards for non-consumptive and de minimus stock water uses. Added condition N13.

Overlap analysis: The place of use for water right 65-23067 overlaps 65-23728 irrigation, irrigation storage, irrigation from storage, stockwater, wildlife storage, aesthetic storage. The irrigation POU overlaps with this permit but not the stockwater. Permit 65-23727 is in an adjacent quarter-quarter.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
STOCKWATER	01/01 to 12/31	0.05 CFS	2.7 AF

Totals:

0.05 CFS

2.7 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 ☒ None

I. **AUTHENTICATION** Allen Bradbury - Water Resource Agent, Senior

Field Examiner's Name Allen Bradbury Date 9/9/24
 Reviewer [Signature] Date 9/13/2024

This aerial map illustrates a proposed water pipeline project. The project components include a 'buried spring box' (yellow dot) and a 'stock tank' (yellow rectangle), connected by a '2" pipeline' (blue line). The pipeline runs from the spring box, crosses a road labeled '17', and terminates at the stock tank. A 'Point of Diversion' (yellow dot) is located on the pipeline just before the stock tank. The map also shows 'Robbs Creek' (blue line) flowing through the area. Various land parcels are labeled with owner names, including 'SANDS LLC', 'MACAW PATRICK KIRK', 'WILMENS BOWNE', 'ANDERSON JOEL', and 'LOOMIS AIRPORT LLC'. Section numbers '8' and '17' are marked on the map. A scale bar at the bottom indicates distances from 0 to 460 feet, and a north arrow is located in the bottom right corner.



Figure 1. Location of buried spring box at the spring head, point of diversion.



Figure 2. An oval galvanized stock water tank, 2 ft. x 6 ft. x 2 ft, with an approximately 170 gallon capacity and a 2-inch delivery pipe with diminished late season flows.



Figure 3. Shotgun BB holes in stock water tank causing water to leak out below tank.



Figure 4. Seepage above tank.