

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 43-7183

Exam Date: 6/25/1991

1. Current Owner: JAMES RICHARD WARD
PO BOX 127
LEADORE ID 83464
(208)768-2668

2. Accompanied by: J. R. Ward
Phone No: 208-768-2668
Address: Box 127 Leadore, ID 83464
Relationship to Permit Holder: Same

3. SOURCE TRIBUTARY
UNNAMED STREAM SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 43-2060
2. Other water rights with the same point of diversion: 43-2060

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM SE1/4SE1/4 Sec. 25, Twp 13S, Rge 25E, B.M.
CASSIA County

Method of Determination: Site visit by field examiner and USGS map.

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
13S	25E	25													6.1			6.4	12.5

Total Acres: 12.5

Method of Determination: Site visit by field examiner and USGS map.

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

D. FLOW MEASUREMENTS No measurements possible.

E. FLOW CALCULATIONS None.

F. VOLUME CALCULATIONS As calculated in original beneficial use exam:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10 \text{ acres} \times 3.5 \text{ af} = 35.0 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.3 \text{ cfs} \times 245 \text{ days} \times 1.9835 = 145.8 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 35.0 \text{ af}$$

2. Volume Calculations for Other Uses:

$$\text{Stockwater: } 500 \text{ range cattle} \times 12 \text{ gpd} \times 365 \text{ days} / 325850 \text{ gal} = 6.7 \text{ af}$$

G. NARRATIVE/REMARKS/COMMENTS

Permit 43-7183 is for irrigation and stockwater.

Application for Permit 43-7183 submitted by James Richard Ward, was received on December 30, 1982 and Proof of Beneficial Use was submitted February 28, 1991. A Beneficial Use Field Report was completed by Brian Block on 6/25/1991 and sufficient information was collected to license the permit.

Place of use and point of diversion are located approximately 5.2 to 5.4 miles west and 3.2 to 3.5 miles south of Malta. Field Examiner notes indicate that water from an unnamed stream locally known as Chokecherry Creek is diverted into an irrigation ditch. Field examiner stated the system is limited by stream flow and that up to 500 cattle utilize this stockwater source.

Overlap analysis indicates there is another water right (43-2060) with a permissive place of use (7.4 acres) on the same parcel that is limited to irrigation of 5 acres. Field examiner indicated up to 15 acres were being irrigated. Analysis of aerial photography and NAIP imagery in ArcMap indicates that only 12.5 acres are capable of being irrigated due to the delivery system design and topography. Therefore, I have reduced the acreage from 15 to 12.5 acres for this right and I have rearranged the acres within the permitted parcels to match the 12.5 acres that were irrigated. This right will be limited to the irrigation of 7.5 acres and a limiting condition will be placed on the license that will limit both rights when combined to 12.5 acres and a combined flow rate of 0.25 cfs.

Field Examiner recommended permitting 0.30 cfs for irrigation with an annual volume of 52.5 af. His recommendation was based on volume calculations which are no longer required on beneficial use field exams for surface water irrigation applications. The diversion rate has been reduced to 0.15 cfs to provide for 1" per acre when combined with right 43-2060. Field Examiner recommended 0.11 cfs for stockwater with an annual volume of 6.7 afa. Stockwater use was removed as it is already provided for on water right 43-2060.

Recommend permitting irrigation with a flow rate of 0.15 cfs.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
IRRIGATION	3/15 to 11/15	0.15 CFS

Totals: 0.15 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 ___ Other

I. AUTHENTICATION

Field Examiner's Name Bill Mott Date 3/22/2012

Reviewer Chad Mott Date 4/6/2012



Figure 1: Point of Diversion



Figure 2: Place of Use

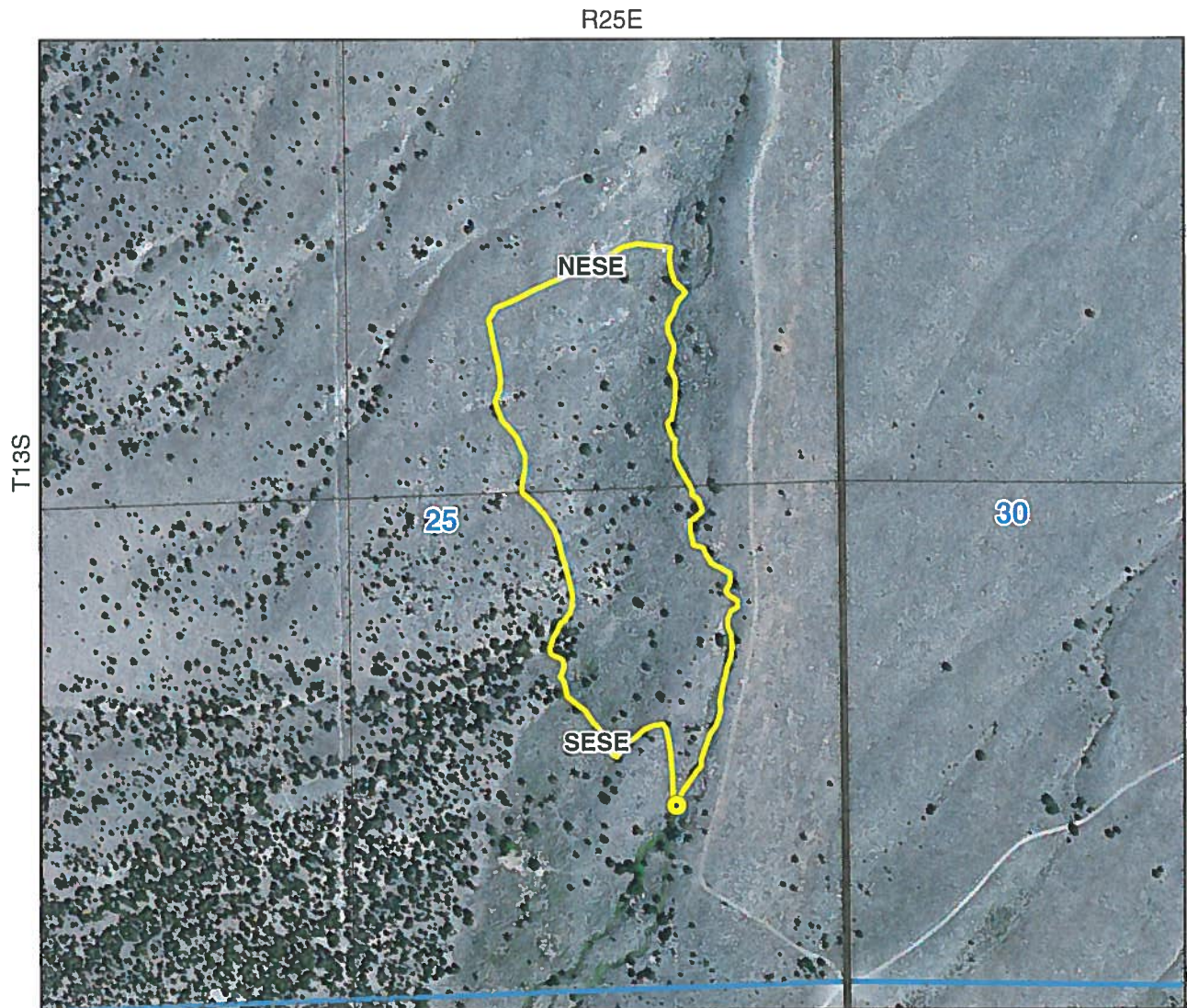
Delivery System Diagram



State of Idaho
Department of Water Resources
Water Right License

43-7183

Water Service Area Boundary for James Richard Ward



0 0.05 0.1 0.2 Miles

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

