

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 55-13892

Exam Date: 4/27/2013

1. Current Owner: QUINTANA RANCH LIMITED PARTNERSHIP
C/O TIM QUINTANA
3876 HWY 95
HOMEDALE ID 83628
(208)337-5587

2. Accompanied by: Tim Quintana
Phone No: (208)337-5587
WORK: (208)459-0294
CELL: (208)989-3868

Email: tim.quintana@edwardjones.com

Address: 3876 US Hwy 95, Homedale, ID 83628

Relationship to Permit Holder: General Partner of the Quintana Ranch Limited Partnership; contact person

3. **SOURCE**

UNNAMED STREAM

TRIBUTARY

OLD MAN CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1.

LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM L2 (SW1/4NW1/4) Sec. 7, Twp 07S, Rge 04W, B.M. OWYHEE County

Method of Determination: 2011, 2009, 2004 and esri ArcMap Imagery (beneficial use proof submitted 8/3/2009)

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07S	04W	7							X				X						
									L 2				L 3						

Method of Determination: 2011, 2009, 2004 and esri ArcMap Imagery (beneficial use proof submitted 8/3/2009)

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 (I was taken to the wrong pond/reservoir during the field examination, therefore no pictures were taken of this POU and/or POD. Insite from conducting 55-13891 and 55-13893 assisted in answering questions for this field examination, since they all were constructed the same, i.e. dam with a spillway)

4.

Well or Diversion

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
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No diversion rate required on this water right. The source was the Unnamed Stream flowing from south to northwest, through the in-stream stockwater pond, then continuing down the stream by way of a rocked spillway located on the west side of the dam.

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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None.

2. Measurements: None required.

E. FLOW CALCULATIONS

Measured Method: None required.

F. VOLUME CALCULATIONS

1. Volume Calculations for Stockwater Storage:

$$2.8 \text{ acre} \times 3.5 \text{ ft average depth} = 9.8 \text{ AF} + 6.4 \text{ AF E.T.} = 16.2 \text{ AF}^*$$

*It almost looks like they got the 2 permits mixed up (55-13893 for 20.0 AF, and 55-13892 for 8.0 AF)

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

At the time of the field examination, Tim Quintana took me the wrong pond for water right 55-13892. Once in the office, and downloading the GPS coordinates, it indicated that the pond/reservoir Quintana took me to was for water right 55-7276 (for this reason, no pictures of the POU/POD are available with the field exam report). It is historically evident that the pond/reservoir for water right 55-13892 was present in 2004, which is prior to when proof of beneficial use was submitted (8/3/2009). After conducting a field examination on all the other ponds/reservoirs owned by Quintana (55-13891 and 55-13893), and using ArcMap esri Imagery, 2011, 2009, and 2004 imagery, the shapefile of the pond/reservoir, and the location for the spillway located on the 7 ft high dam can be confirmed. The average depth is 3.5 ft. Beneficial use is for 100 head range cattle.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER STORAGE	01/01 to 12/31	8.0 AF
<u>Totals:</u>		8.0 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 ☐ Other

I. AUTHENTICATIONField Examiner's Name Judy Hemerway Date: 10/16/2013

Precipitation Loss Calculation

Date: October 16, 2013
Prepared by: Sandy Hemenway
Water Right No: 55-13892

P = Precipitation
ET= Evapotranspiration
 P_d = Precipitation deficit
 $P_d = P - ET$

P_d

Found at: <http://www.kimberly.uidaho.edu/ETIdaho/>

P_d = convert to AFA: (mm/yr) / (convert to feet) x # acres =
697 / 304.8 x 2.8
(From ET Idaho)

$P_d = 6.4$ AFA

* Use the Precipitation Deficit for 'P' value

[illegible]