

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7961

Exam Date: 3/23/2017

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- ☐ Irrigation of 5 acres or less
 - ☐ Storage of up to 14.6 AF for stockwater purposes only
 - ☒ Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - ☐ Other < >

2. Current Owner: The Christopher M Embree Revocable Trust

Owner of Record Correct? ☒ Yes ☐ NoAddress of Record Correct? ☒ Yes ☐ No

If No:

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: N031689, C1030764. **SOURCE****TRIBUTARY**

Groundwater

Method of Determination: Application information & ArcMap dataChange in Source: ☐ Yes ☒ No**B. OVERLAP REVIEW**1. Other water rights with the same place of use: Overlap ☐ Yes ☒ No ☐ Additional Sheet Attached

Water Right No.	Source	Purpose of Use	Basis
None			

Comments: Water Right 98-4001 does cross this lot per ArcMap, but it looks to be for the area east of this lot and does not directly overlap the POU.

2. Other water rights with the same point of diversion: Overlap ☐ Yes ☒ No ☐ Additional Sheet Attached

Water Right No.	Source	Purpose of Use	Basis
None			

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

Source	Govt Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground water			NE	SW	15	60N	01W	B.M.	BOUNDARY

Method of Determination: Application information & ArcMap dataChange in POD? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

2. PLACE OF USE: Use: Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
60N	01W	15									D			D					
		Lot #																	

Use: Stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
60N	01W	15									S			S					
		Lot #																	

Method of Determination: Application information & ArcMap data

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

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

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

☐ Photo of Diversion and System Attached

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0028587					

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
None						

Measurements: in-house field exam – no measurements required

E. FLOW CALCULATIONSMeasurement Method: ☐ Per Calculations ☒ Per Memo ☐ Additional Computation Sheet(s) Attached**Measurement = 0.06 cfs**

Domestic = 0.04 (Per administration memo #22 – permit used for domestic purposes is limited to 0.04 cfs per household and yard)

Stockwater = 0.02 (Per administration memo #3 – diversion limited to 0.02 cfs)

Permit Allowance = 0.06 cfs**License Recommend = 0.06 cfs****F. VOLUME CALCULATIONS**Measurement Method: ☐ Per Calculations ☒ Per Memo ☐ Additional Computation Sheet(s) Attached**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \quad \times 3.5 = \quad$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \quad \times 214 \times 1.9835 = \quad$$

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

2. Volume Calculations for Other Uses:

Per admin memo #3 – 12 (gpd/head) x 365 (season length days) x 4 (livestock) = 17,520 / 325850 = 0.1 af stockwater

Per admin memo #22 – Permit used for domestic purposes is limited to 1.2 af per household and yard

G. PURPOSE OF USEIrrigation ☐ Yes ☒ No # Stock 4 Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Yes ☒ NoMethod of Determination: Application information & ArcMap data

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

- This permit qualifies for in-house exam.
- Existing drilled well connected to one home and livestock facilities.
- Permit used for domestic purposes is limited to 0.04 cfs per administration procedure memo #22.
- Permit used for stockwater purposes is limited to 0.02 cfs per administration procedure memo #3.
- No overlapping water rights.
- Conditions #4 (X01) and #5 (187) will be carried to licensing. Condition #3 (046) and #6 (X02) will be removed at licensing.

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01 to 12/31	0.04 CFS	1.2 AF
Stockwater	01/01 to 12/31	0.02 CFS	0.1 AF
<u>Totals:</u>		0.06 CFS	1.3 AF

Additional Notes:**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☐ Other:**J. AUTHENTICATION**

Field Examiner: _____

Date: 3/23/2017

Kyle Rayworth – Water Resource Agent

Reviewer: _____

Date: 3-23-17

State of Idaho
Department of Water Resources
Field Exam Map
(Domestic & Stockwater)
98-7961

01W



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

0 0.035 0.07 0.14 Miles

