

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

A. GENERAL INFORMATIONPermit No: 87-10100

Exam Date: 8/28/2019

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- 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: Domestic use of .04 cfs

2. Current Owner: Name: Thomas Cass OR Joan Cass
Owner of Record Correct? X Y N
Address of Record Correct? X Y N
If No:

3. Beneficial Use Fees have been paid: N/A Y N Receipt No:

4. **SOURCE** TRIBUTARY

Ground Water

Method of Determination: GIS and Taxlot DataChange in Source: Y X N**B. OVERLAP REVIEW**

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

Water Right No.	Source	Purpose of Use	Basis
87-7197	Ground Water	Irrigation	License
87-7197	Ground Water	Domestic	License

Comments: Water right 87-7197, used for domestic and irrigation, overlaps the POU. It is owned by the Canterwood Estates Homeowners Association Inc. The domestic use under right 87-7197 is for 15 homes, including the home owned by Thomas and Joan Cass. The Cass's applied for this permit for a single domestic use of their home and are no longer connected to the domestic system under right 87-7197. Irrigation of their property is covered under the irrigation component of right 87-7197.

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

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: No water rights overlap with the POD for this permit.

C. DIVERSION AND DELIVERY SYSTEM

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			SE	SW	31	40N	05W	B.M.	Latah
								B.M.	

Method of Determination: GIS and Taxlot data.Change in POD? X N Amendment Required? X N

2. PLACE OF USE: Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
40N	5W	31												D					
		Lot #																	
Total Acres =																			

Method of Determination: GISChange in POU? X N Amendment Required? X NN/A Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

X Aerial Photo Attached (required for irrigation of 10+ acres).N/A Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

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

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONS Additional Computation Sheets Attached

Administrative processing memo #22 allows 0.04 cfs for in house domestic use.

Permit allowed = 0.04 cfs

Recommended Diversion rate: 0.04 cfs**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses: Domestic

According to administrative processing memorandum #22, in house use for 1 home is limited to 0.6 afa

Recommended Volume: 0.6 afa

G. PURPOSE OF USEIrrigation ☐ Y ☒ N # Stock ☐ NO Domestic # of Homes ☐ 1

Other: NONE

Change in Purpose of Use? ☐ Y ☒ NMethod of Determination: Taxlot data and conversations with owner.

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

H. NARRATIVE/REMARKS/COMMENTS

This permit is qualified for an in-house exam. The place of use (POU) and point of diversion (POD) are located in Block 2, Lot 5 in the Canterwood Estates Subdivision northwest of Moscow, Idaho. According to Department records, the parcel number is RP016160020050 which is owned by Thomas Cass. This permit authorizes diversion of ground water to be used for domestic purposes by an existing well. The well was drilled in 2017 by Stuvenga Vessey Drilling for Thomas Cass under drilling permit number 884305 and well tag number D0076473.

The application was protested by the Latah County Board of Commissioners after it was advertised. The commissioners were concerned that the diversion of ground water could have negative impacts on nearby users as well as their ability to maintain existing beneficial uses from wells in the area. The protest was withdrawn after a pre-hearing conference. However, the Commissioners requested that the applicants limit their diversion rate to 0.04 cfs and limit the volume to 1.2 acre-feet per year.

One overlapping water right, 87-7179, exists at the POU. It is owned by the Canterwood Estates Homeowners Association Inc. for irrigation and domestic uses. Using 2 wells, this right authorizes domestic use for of 0.08 cfs and 9.0 acre-feet for 15 homes and the irrigation use of 0.03 cfs and 13.7 acre-feet. The beneficial use exam for right 87-7179 states that the system is insufficient for all users to irrigate at once and each parcel is limited to ½ acre of irrigation and 12 gallons per minute for irrigation. The license for right 87-7179 is conditioned with a legal description of the POU. This legal description includes the lot and block where this permit exists. I called the applicant on 8/28/19 to inquire about the existing domestic use on his property covered under right 87-7179. Thomas Cass answered and he confirmed that diversion under right 87-7179 was inadequate and he wanted a separate well for his house. He also stated that the ground water diverted under this permit is only used in the household and that any irrigation of his property is covered under right 87-7179. The parcel where the domestic use occurs has 2 structures on it. The structure on the western half of the property near the well is a garage/shop. The other structure on the property is where the domestic use will occur. There are no overlapping water rights at the POD.

The standard flow rate of 0.04 cfs is recommended. A standard volume of 0.6 acre-feet is recommended under the domestic provision described in Idaho code 42-111. Combined conditions were not added to the license because the domestic systems are not interconnected.

I removed conditions 1 and 2 as is standard. Condition 3 (004) was removed since ownership at the POU and POD is no longer a concern. Condition 4 (046) was removed since it was not relevant to licensing. Condition 5 (X01) was carried to the license since the beneficial use is still only for 1 home. Condition 6 was changed to condition 020. Condition 7 (X60) was carried over to the license to describe the subdivision lot location. I added condition X59 to properly describe the location of the POD. Condition WB5 was also added to limit the use of water to internal use only.

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	0.6 AF
	<u>Totals:</u>	0.04 CFS	0.6 AF

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above x None

___ Change P.U. as reflected above ___ Add P.U. as reflected above x None

Other:

J. AUTHENTICATION- ALEX DALGLEISH- WATER RESOURCE AGENT

Field Examiner's Name Alex Dalgleish Date 9/4/19

Reviewer P. Hunter Date 9/10/19

State of Idaho
Department of Water Resources
In-House Exam
87-10100



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

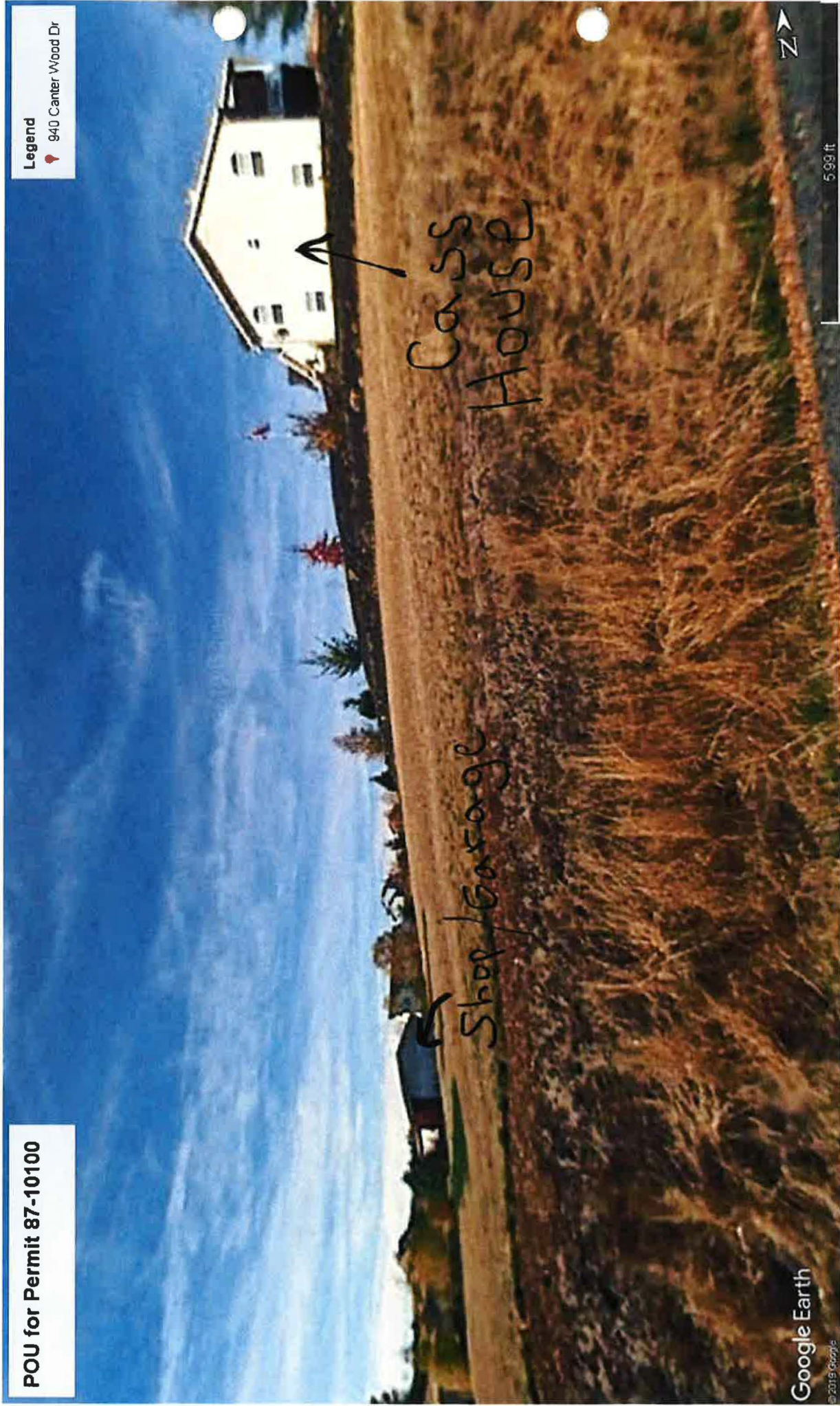
0 0.035 0.07 0.14 Miles



POU for Permit 87-10100

Legend

940 Canter Wood Dr



Google Earth

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5.93 ft

