

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9500
Exam Date: 09/14/2018

1. Current Owner:
TYSON CROWDER 2020 FAIRMONT BLVD KNOXVILLE TN 37917
2. Accompanied by: Drive by exam
Relationship to permit Holder: Permit holder gave permission to perform solo exam.

3. **SOURCE:**
GROUND WATER

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
None			

Comments: _____

2. Other water rights with the same point-of-diversion: None

Water Right No.	Source	Purpose of Use	Basis
None			

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER NE¼ SW¼, Sec. 10, Twp 57N, Rge 03W, B.M. BONNER County

Method of Determination: Maps and GPS. POD located at -116° 41.412, 48° 17.968

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	03W	10									X								

Method of Determination: Google Earth and Arcmap

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

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
HAND DUG WELL	UNKNOWN				

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: N/A

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: Measurement of diversion rate covered under IDAPA RULE 37.03.02.035.01.r.iii. Domestic flow of 0.04 cfs will be issued.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Domestic use for 1 home

1 home = 0.6 AF

½ acre of irrigation = 0.6 AF

0.6 AF + 0.6 AF = 1.2 AF

G. NARRATIVE/REMARKS/COMMENTS

This water right meets the in office requirement for licensing. There was a memo in the file showing IDWR requested information about the system and it appears he did not respond. The state office then requested the Northern Region to perform an exam. This exam will be treated as an in office exam that required a quick drive by to confirm the point of diversion.

The applicant, Tyson Crowder, was contacted about setting up a time to perform a field exam. Mr. Crowder explained that he was living in Tennessee and could not be present for an exam. He stated he was renting out the house but was unsure if his renter could be present during the exam. He gave me permission to perform the exam with nobody present. On the day of the exam, Mr. Crowder contacted me and stated his renter would not be present. He described how to find the location of the hand dug well and how to get there from the house. Upon arriving at the house, I found a renter to be home and identified myself and stated what I was doing. She pointed to the general area of the well and went back into the house. I found the hand dug well and got a GPS location for it. It was a concrete circular cistern that was buried 10 feet according to Mr. Crowder. I was unable to identify the size of pump that was in the well and the diversion rate will be covered under IDAPA RULE 37.03.02.035.01.r.iii. Domestic use for 1 home with irrigation up to ½ acre will be issued on the license with an annual volume of 1.2 acre-feet. The diversion rate for domestic will be issued for 0.04 cfs.

Condition 046 will be removed from the license. All other conditions will remain on license and no others need to be added. There are no overlap concerns.

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>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	1.2 AF

Totals: 0.04 CFS 1.2 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

I. AUTHENTICATION

Adam Frederick - Water Resource Agent, Senior

Field Examiner's Name Adam Frederick Date 2/28/2019

Reviewer Douglas Jones P.E. Date 2/28/2019

State of Idaho
Department of Water Resources
Attachment to Field Exam
96-9500

DOMESTIC / SYSTEM DIAGRAM

03W

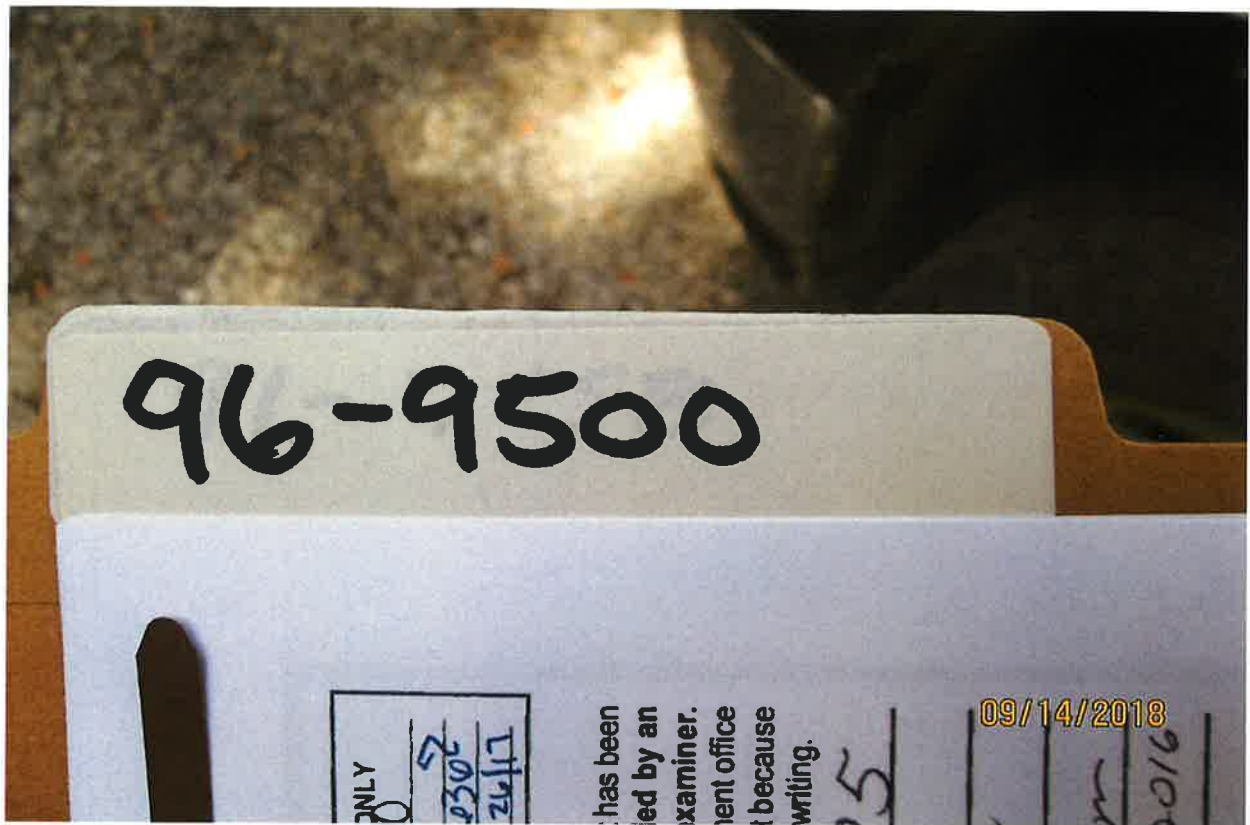
57N



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

0 0.035 0.07 0.14 Miles





Point of diversion. Hand dug well.



Point of diversion.



Domestic place of use.



Domestic place of use.