

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 34-13791
Exam Date: 7/11/2022

1. Current Owner: Marty T Coburn And/Or Jody K Coburn
2. Accompanied by: Marty Coburn
Phone No: (208) 409-3126
Address: PO BOX 435 Moore, ID 83255
Relationship to permit Holder: Owner

3. **SOURCE:**
GROUND WATER

Method of Determination: Site visit

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
34-428 A	BIG LOST RIVER	IRRIGATION	DECREE

Comments: _____

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
34-14878	GROUND WATER	IRRIGATION	TRANSFER
34-14879	GROUND WATER	IRRIGATION	TRANSFER

Comments: Water rights 34-14878 and 34-14879 are part of transfer number 86040 and upon approval will have the same point of diversion as 34-13791.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
SWSE, Sec. 4, T05N R26E

Method of Determination: Site visit and GPS

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	
05N	26E	4														1.0	21.0		22.0

Method of Determination: Site visit and GPS

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

 x 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

 x 1:24,000 or greater. x Aerial Photo Attached (required for irrigation of 10+ acres). x 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
D0021999 / A0008072 / WMIS# 367		20			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Installed FM	Mag Meter	Seametrics	AG2000	122015001513	4 inch	

2. Measurements:

E. FLOW CALCULATIONS Additional Computation Sheets Attached

Measured Method:

Flow rate was taken from the installed flow meter. A diversion rate of 381 GPM was observed on a Seametrics AG 2000 flow meter. Permit limits diversion to 0.22 CFS.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (22.0) \times (3.5 \text{ AF/Acre}) = 77.0 \text{ AFA}$$

$$V_{D.R.} = [0.22 \text{ (cfs)}] \times (214) \times 1.9835 = 93.38 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

A beneficial use field exam was performed by Jared Adamson on July 11, 2022. Jared was accompanied by the water right owner Marty Coburn. The pump was started, and an instantaneous flow rate was taken from the installed flow meter. The pump is a submersible pump in an 8 inch well. The installed flow meter is an AG 2000 by Seametrics. The diversion rate was stable at 381 GPM with the large pivot and end gun on. Marty says he rotates the use of the large pivot with the smaller wiper pivots and handline. The pump is not big enough to pressurize the entire system. The irrigation system is made up of one 6 tower circular pivot, three smaller one and two tower pivots, and one handline consisting of 17 rainbirds.

Aerial photography does not accurately line up with PLS. Right holder owns property in NWSE and SWSE. Legal description for the place of use acres was listed to account for the shift in aerial photography against the PLS.

Have conditions of permit approval been met? ☒ 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>
IRRIGATION	04/01 to 10/31	0.22 CFS	77.0 AF

Totals: 0.22 CFS 77.0 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 ☒ None

I. AUTHENTICATION

Jared Adamson - Water Resource Agent

Field Examiner's Name

Date

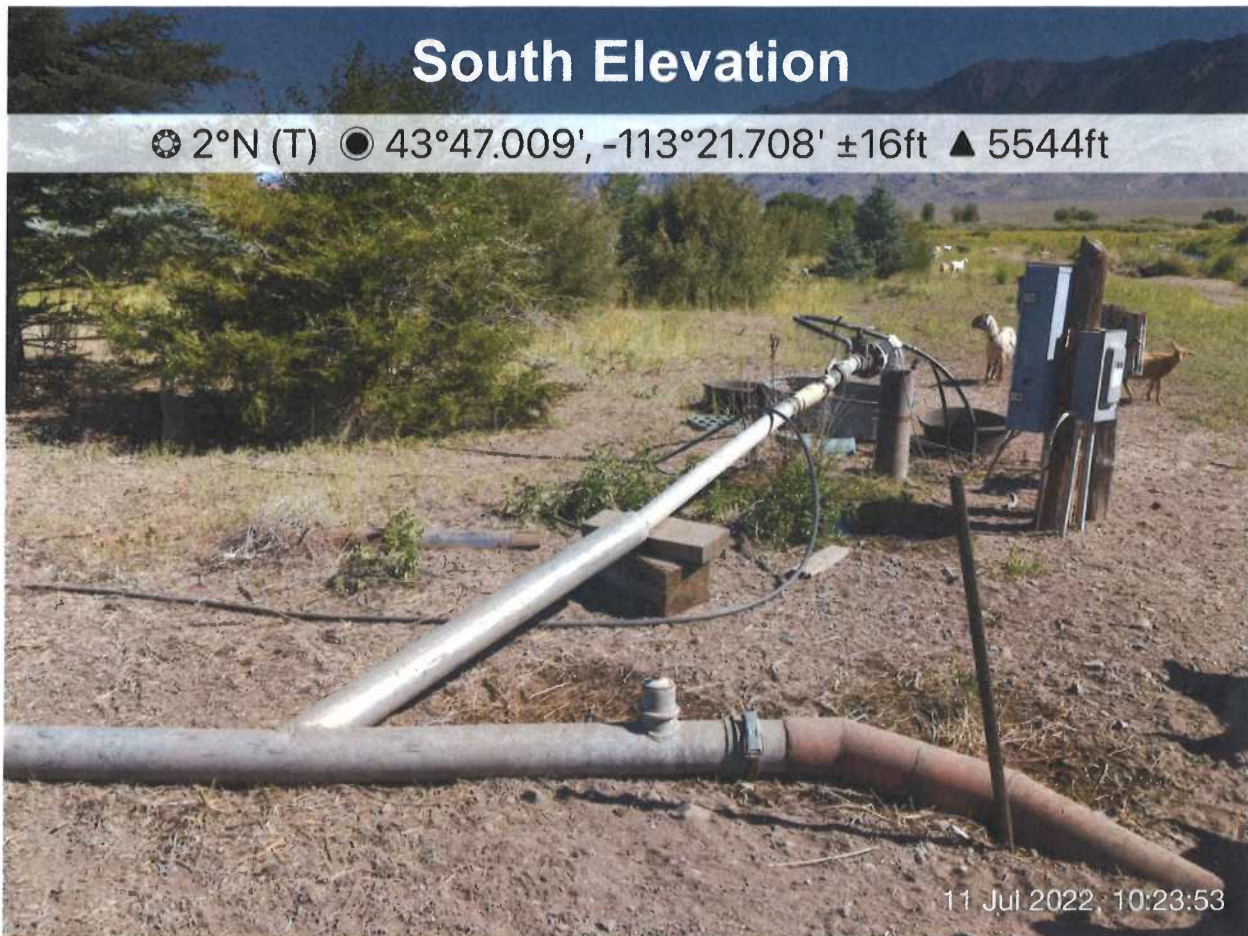
Reviewer

Date

[Signature] 8/10/2022
[Signature] 8/24/2022

Point of Diversion:

The point of diversion has a submersible pump. A Seametrics AG2000 flow meter is installed. The main line is connected to a mainline that is sourced from a surface water pump.

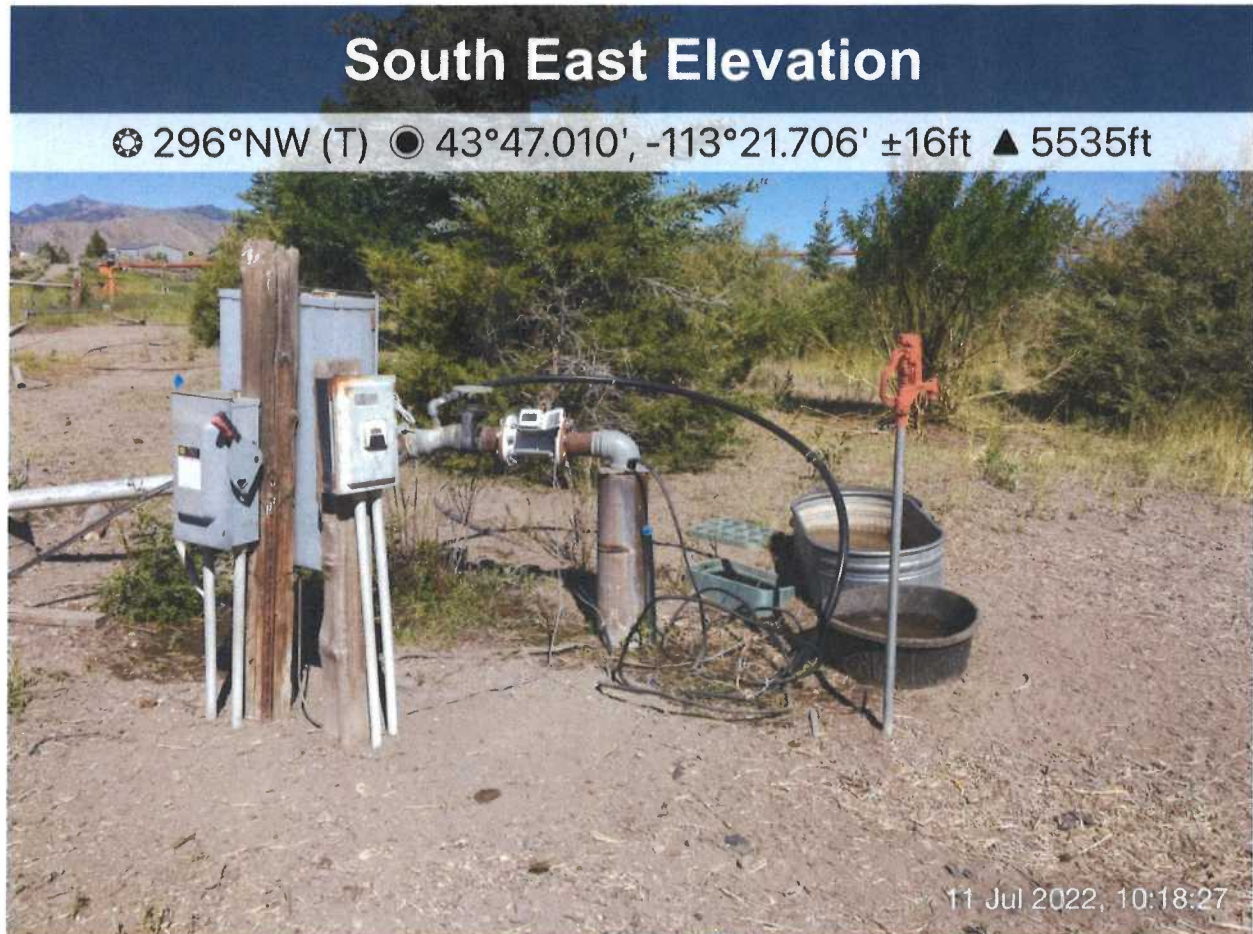
**Power Meter:**

Serial number is 10 880 675.



Point of Diversion:

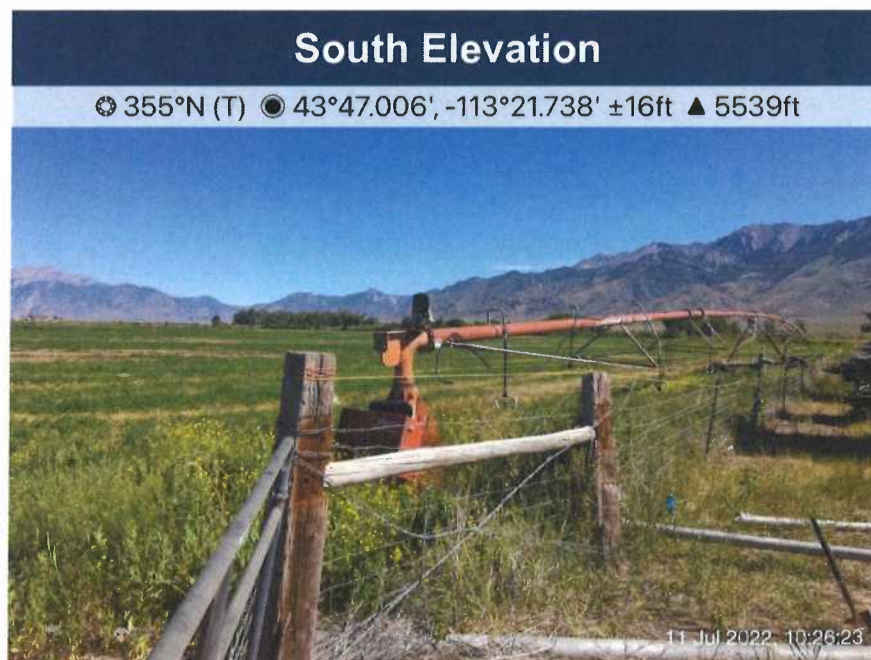
Another view of the point of diversion with a clear view of the flow meter. The mainline is a 4-inch pipe.



Place of Use:



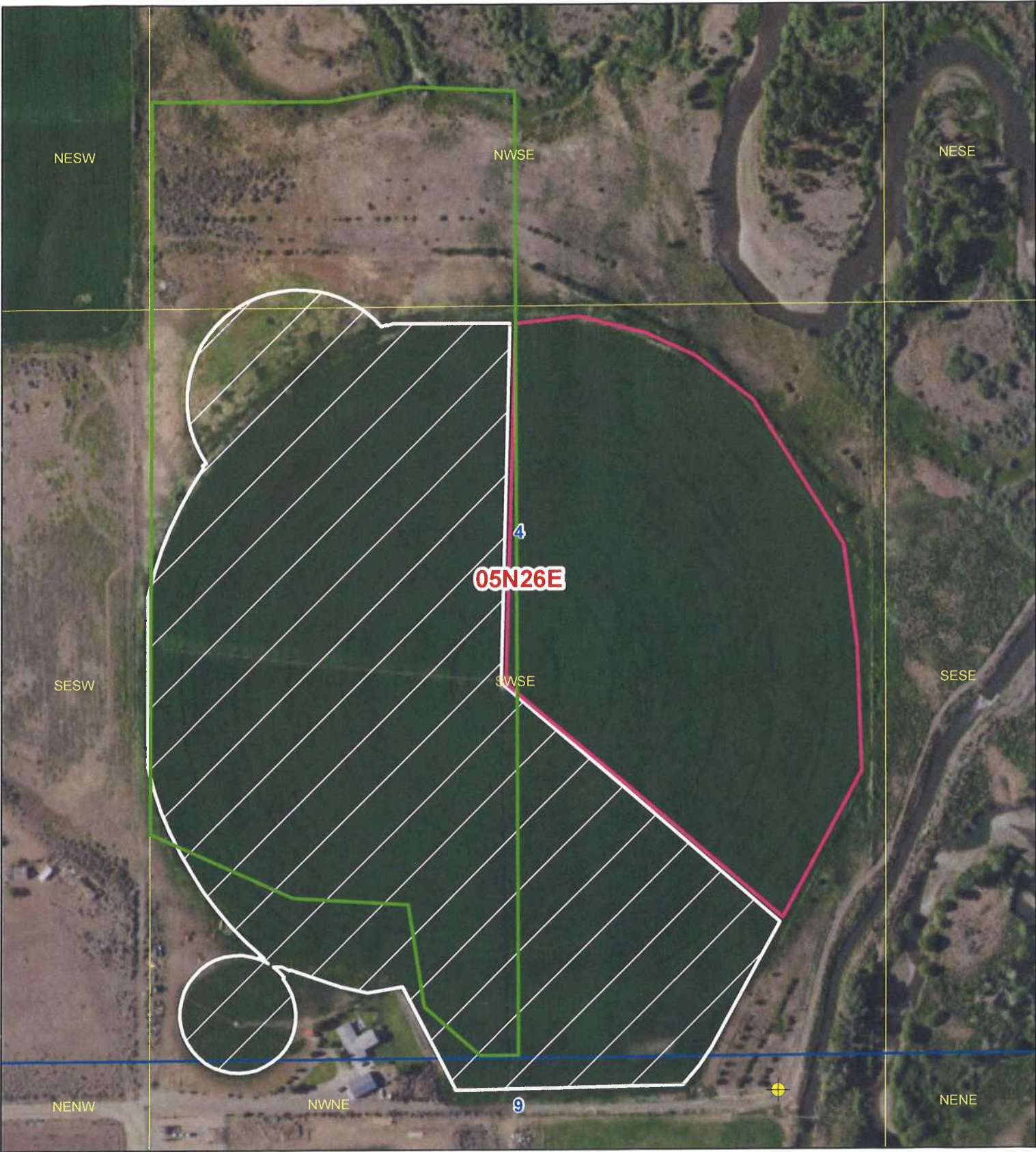
Main large pivot with hand lines.



Southeast corner pivot.



Small pivot in the southwest corner of POU next to house. The small wiper pivot in the northwest corner of POU can be seen in the background.



- | | |
|---|--|
|  ProposedPod |  Township/Range |
|  Observed Irrigation |  Sections |
|  Permit Place of Use |  QQ |
|  WR 14878 POU | |