

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

Permit No: 57-11672

Does this qualify for an in-office field exam (IDAPA 035.02.r)?

Is the permit for:

- 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

Verify that fees have been paid: \$50 C089946

A. CONTACT INFORMATION

1. Is the Owner of record correct (y/n): N
Confirmed by owner via email (see attached)

Robert E Schaefer
Toni Gibbs
9378 Wright Rd
Melba ID 83641

If **NO**: Owner:Is the Address of record correct (y/n): Y

If NO: Address: _____

If available:

Phone No: 775.934.5669 E-mail: idakountry@outlook.com

(Primary)

Phone No: _____ E-mail: _____

(Secondary)

B. POINT OF DIVERSIONN Change in POD (y/n)?

Point of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County
Ground water	L4		SW	NW	7	1N	3W	Owyhee

Method of Determination: Conversation with the property owner

Site tag: D0046984

N Amendment Required (y/n)?**C. SOURCE:**

1. N Change in Source (y/N)?

If yes: Source: _____ tributary to _____

2. Method of Determination/Remarks: Conversation with permit holder and aerial photography diversion.

N Amendment Required (y/n)?

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D. OVERLAP REVIEW POD

Point of Diversion (POD) Overlap:

N (y/n) Other water rights with the same point of diversion (POD)?

Research tools:

X InfoSearch - Query for other water rights with the same POU

X Use ArcMap for overlapping POU

E. PLACE OF USE:

1. N Change in POU (y/n)?

Place of Use			NE				NW				SW				SE				Totals
TWP	RGE	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	3W	7							2.6										

Or:

X See attached map

2. Method of Determination/Remarks: X Field exam, map and GIS

N Amendment Required (y/n)?

F. OVERLAP REVIEW POU

1. Place of Use (POU):

Y (y/n): Other water rights with the same place of use(POU)?

57-10026: Stephen Strom holds right 57-10026 for domestic use within the same quarter quarter. The place of use is a nominal and the parcel identified in the conditions does not match the location of permit 57-11672.

2-2072: The Opaline Irrigation District's right overlaps the place of use

Research Tools:

 InfoSearch - Query for other WR's with same POU

X POU Comparison Report - Query Tools

X Use ArcMap for overlapping POU

For irrigation rights only:

Y (y/n)?

G. PURPOSE OF USE:

N Change in purpose of use (y/n):

Method of Determination/Remarks: Conversations with current land owners

Non-irrigation uses: None

Domestic # of homes NA

Stock # 4

Other: _____

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin Electric	3.0	Model# 58702041500		

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2.6 irrigated acres X 0.03 = 0.08 cfs

 X Additional Computation Sheets Attached

Permit 0.12 cfs for irrigation

Recommended Rate 0.08 cfs for irrigation

According to Toni Gibbs they typically keep 2 horses and 2 cows

Permit allowed 0.02 cfs for stockwater

Application Processing Memo #3 allows 0.02 cfs for 0 – 10 head of range cattle, including horses.

Recommended Rate 0.02 cfs for stockwater

Total Recommended Rate: 0.10 cfs

H. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.6 \text{ acres} \times \text{head gate requirement } 4.5 = 11.7$$

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.09 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 46.41$$

$$V = \text{Smaller of } \begin{matrix} V \\ \text{I.R.} \end{matrix} \text{ and } \begin{matrix} V \\ \text{D.R.} \end{matrix} = 11.7 \text{ AF}$$

Recommended volume for irrigation 11.7

2. Volume Calculations for Other Uses: Application Processing Memo #3 allows 0.2 AF per year for 0 – 10 head of range cattle, including horses.

Recommended volume for stock water: 0.2 AF

Total Recommended Volume: 11.9 AF

I. NARRATIVE/REMARKS/COMMENTS/CHECKLIST

 Y Is there enough information to verify the water right in office (IDAPA 035.02.r)?

We need to be able to verify:

 X Beneficial use

 X Place of use

 X Season of use

 X Point of diversion

Checklist (you do not need all of these items):

 X Property tax information

 X Well driller report – To confirm overlapping domestic well

 Receipts

 photographs

 X Aerial photography

 Other records of the permit holder

 X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (REQUIRED).
Scale must be 1:24,000 or greater.

**Have conditions of permit approval been met? Y Yes No

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NARRATIVE/REMARKS/COMMENTS

Michael Campbell is the permit holder of record. The Department has made attempts to contact Mr. Campbell without success. According to the tax records Robert Schaefer owns the property. Toni Gibbs is listed in the parcel data comments. Ms. Gibbs called to discuss the letter I sent on October 3, 2017. In the letter I requested information about the pump, irrigation from the Opaline Ditch and the number and type of stock. There are two wells on the property, one for in-house domestic use and the other for irrigation and stockwater use. The wells are their sole source of water and they do not irrigate from the Opaline ditch. The ditch borders their property to the west. She said they typically have two horses and two cows.

J. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	3/1 to 11/15	0.08 CFS	11.7 AF
STOCKWATER	1/1 to 12/31	0.02 CFS	0.2 AF
<u>Totals:</u>		0.10 CFS	11.9 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

K. AUTHENTICATION

Field Examiner's Name Sam Thil Date 10/24/2017

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Field Exam Map
57-11672

This map depicts the IRRIGATION and STOCKWATER place of use boundary and point of diversion for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



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



0 500 1,000 Feet

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 57-11672
 Examiner: Sandra Thiel
 Date of Field Exam: 10/19/2017

P/D No.:	Option 1	OPTION 2	OPTION 3
PUMP HORSEPOWER	3	3	3
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	60	60	60
DISCHARGE PRESSURE	40	50	60
FRICITION	0	0	0
RATE OF FLOW (cfs)	0.12	0.11	0.09
(gpm)	54.4	47.3	41.8

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.

Examiners Notes:

The owner at the time of the field exam provided the pump information
 Franklin Electric 3 hp

Water Right POU

Robert E Schaefer Property

Township/Range

Sections

QQ

N

SENE

01N04W12

SWNW 4

01N03W7

Irrigation Well
D0046984

Domestic Well

NESE

NWSW 5



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community