

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-7502

Exam Date: 06/16/2015

1. Current Owner: HELEN I THOMAS
1725 E 16TH ST
BURLEY ID 83318
(208)678-8078

And/Or

STEPHEN B COOK
244 W 1ST S
REXBURG ID 83440
(208)356-5928

2. Accompanied by: None

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 22-13746 (enlargement)
2. Other water rights with the same point of diversion: 22-2175A, 22-2175B

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

GROUND WATER

NE1/4SE1/4

Sec. 31, Twp 06N, Rge 40E, B.M.

MADISON County

Method of Determination: GPS

2.

PLACE OF 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	
06N	40E	32															40.0		40.0

Total Acres: 40

Method of Determination: Aerial photography.

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
Photo	GE	200	STJ606001	Johnston	JR-2511

D. FLOW MEASUREMENTS

Measurements: Old field exam under license 22-2175.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method: Measurement for the current POD used under this right is based on a 1962 beneficial use field exam for right 22-2175. Total rate found was 2.64 cfs. Another measurement was done on 06/16/2015 to see if the point of diversion was capable of diverting more than 2.64 cfs. The observed rate of diversion during the field exam was 2.38 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 40 \times 3.5 = 160 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.80 \text{ cfs} \times 1.9835 \times 214 \text{ days} = 339.6 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 160.0 \text{ acre-feet.}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

200 hp pump to sprinkler irrigation system. Water rights 22-2175A, 22-2175B and 22-7502 are diverted from the same point of diversion. The rate of diversion for this right is based on a 1962 field exam for right 22-2175. The diversion capacity found in 1962 was 2.64 cfs. A follow up measurement was done on 06/16/2015 to see if the point of diversion is capable of diverting more than 2.64 cfs. The observed rate of diversion during the field exam was 2.38 cfs. Rights 22-2175A, 22-2175B and 22-7502 when used in combination will be limited to 2.64 cfs.

Right 22-7502 and 22-13746 (enlargement) share the same 40.0 acre place of use. B & B Farms is the current owner of water right 22-13746. Beginning in 1997, B & B Farms leased and farmed the 40 acres in the SWSE of 06N, 40E, Section 32. The current owner of the property at that time was Stephen Cook (owner of right 22-7502). In 2007, B&B farms filed a late claim to cover the 40 acre parcel that was first irrigated in 1965 but was never licensed nor claimed in the SRBA. B&B Farms no longer leases or farms the 40.0 acres. Richard Smith is the current property owner of the 40.0 acres located in the SWSE of 06N, 40E, Section 32 and currently irrigates the property through his irrigation system.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.800 CFS	140.00 AF
	<u>Totals:</u>	0.800 CFS	140.00 AF

2. Recommended Amendments

☒ X Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

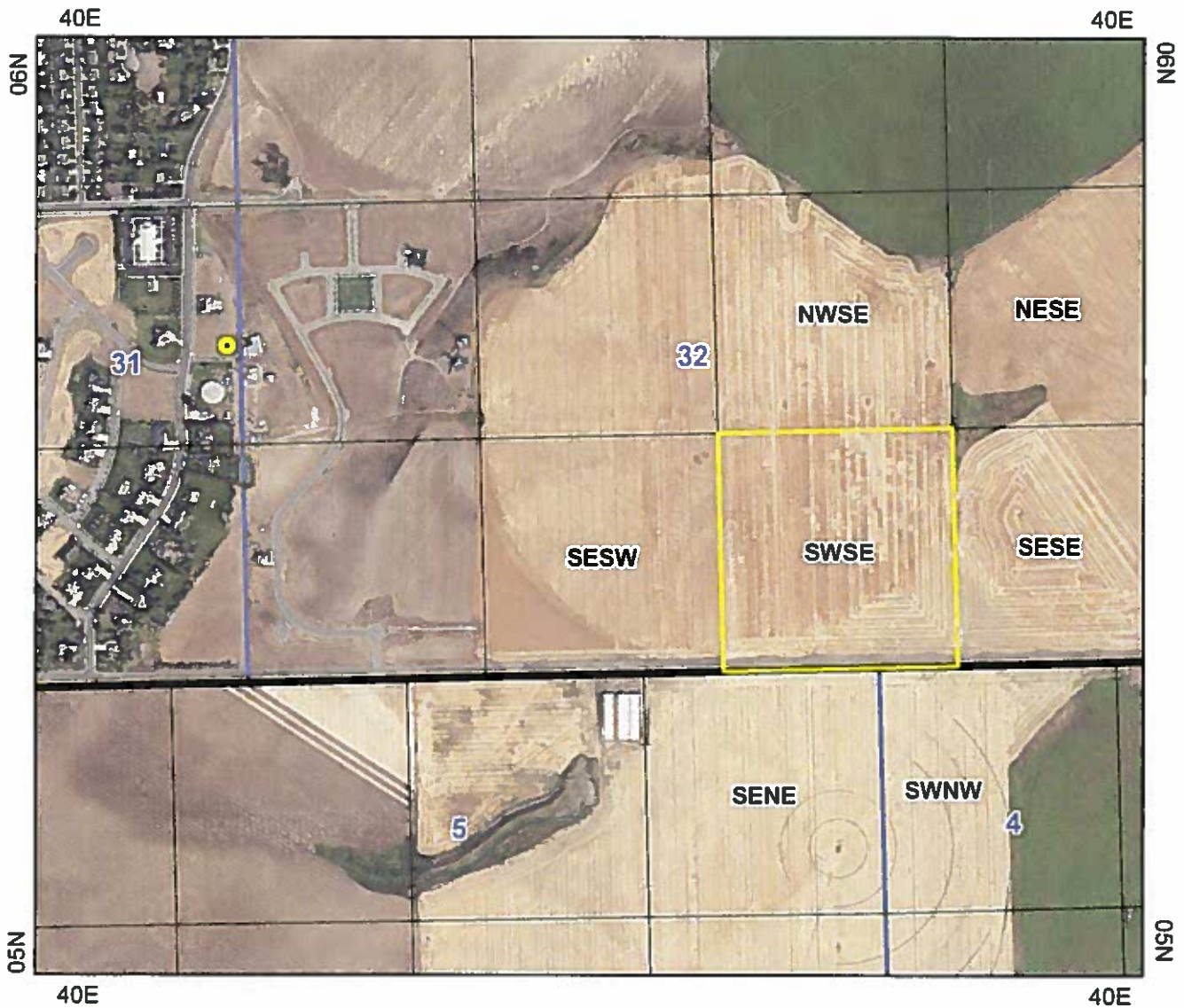
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Blake Jordan Date 11/9/2015

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Water Right License
22-7502



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

