

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 2-10292

Exam Date: 3/30/2012

1. Current Owner: JAMES L BOUTILIER
7240 OLD BRUNEAU HWY
MARSING ID 83639
(208)455-1082
2. Accompanied by: James Boutillier – phone conversation
Phone No: 455-1082
Address: same
Relationship to Permit Holder: owner

NO OFFICE USE

3. SOURCE

SNAKE RIVER

TRIBUTARY

COLUMBIA RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Domestic use (unrecorded)
2. Other water rights with the same point of diversion: None

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

SNAKE RIVER

L2 SW1/4NW1/4

Sec. 14, Twp 02N, Rge 04W, B.M.

OWYHEE County

Method of Determination: Phone conversation and review of Arc Map

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
02N	04W	14							.2				.8						1.0
									L 2				L 3						

Total Acres: 1.0

Method of Determination: Phone conversation and review of Arc Map

3. N/A Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 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.
 x Aerial Photo Attached (required for irrigation of 10+ acres).
 N/A Photo of Diversion and System Attached

4.

Well or Diversion
ID No.*

Motor Make**Hp**
5**Motor Serial No.**
unk**Pump Make**
unk

Pump Serial No. or Discharge
Size

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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None: in-office per IDAPA 37.03.02.01.R

2. Measurements: Based upon a theoretical calculation. System capacity exceeds permitted and legal limit in either case.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Pressure and lift estimated.

$$\frac{(\underline{5}) \text{Hp} * 8.8 * 0.7}{(\underline{60}) \text{PSI} * 2.3 + \underline{15} \text{ft}} = \underline{0.20} \text{ cfs}$$

F. VOLUME CALCULATIONS

$$\frac{(\underline{1}) \text{Hp} * 8.8 * 0.7}{(\underline{60}) \text{PSI} * 2.3 + \underline{15} \text{ft}} = \underline{0.04} \text{ cfs}$$

1. Volume Calculations for Irrigation:

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

Surface water right no volume calculated.

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

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

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

The system is a 5 HP pump tied into a 4 inch line and then reduced to a 2 inch line (buried) consisting of 4 separate stations of approximately 7 rainbird type sprinklers per station. He indicated that he may have overestimated the HP but he was sure it was greater than the one HP initially anticipated. Information was obtained from James Boutillier during a phone conversation 3-12-2012. Tax lot information indicated that Boutillier owns 2 homes but he indicated that he only owns the one home and parcel. Using arc map I found that the irrigated ground is 1 acre or very slightly over one acre.

Permit rate = 0.03 cfs

Proof pd = 0.20 cfs max

Found 1 ac * 0.03 = 0.03 cfs

System capacity based upon a theoretical calculation for 5 HP at 60 psi and a 15 ft lift = 0.20 cfs

System capacity based upon 1 HP (Hp as anticipated on application for permit) at 60 psi and a 15 ft lift = 0.04 cfs

Therefore I am recommending this permit for 1 acre of irrigation at 0.03 cfs.

No other rights are used for the property other than some lawn irrigation around the house from the domestic well.

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	03/01 to 11/15	0.030 CFS	

Totals: 0.030 CFS

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 ☐ Other

I. AUTHENTICATIONField Examiner's Name Kelly K. Christensen Date 3-30-2012

Reviewer _____ Date _____

Permit # 2-10292

Exam date 3-30-2012

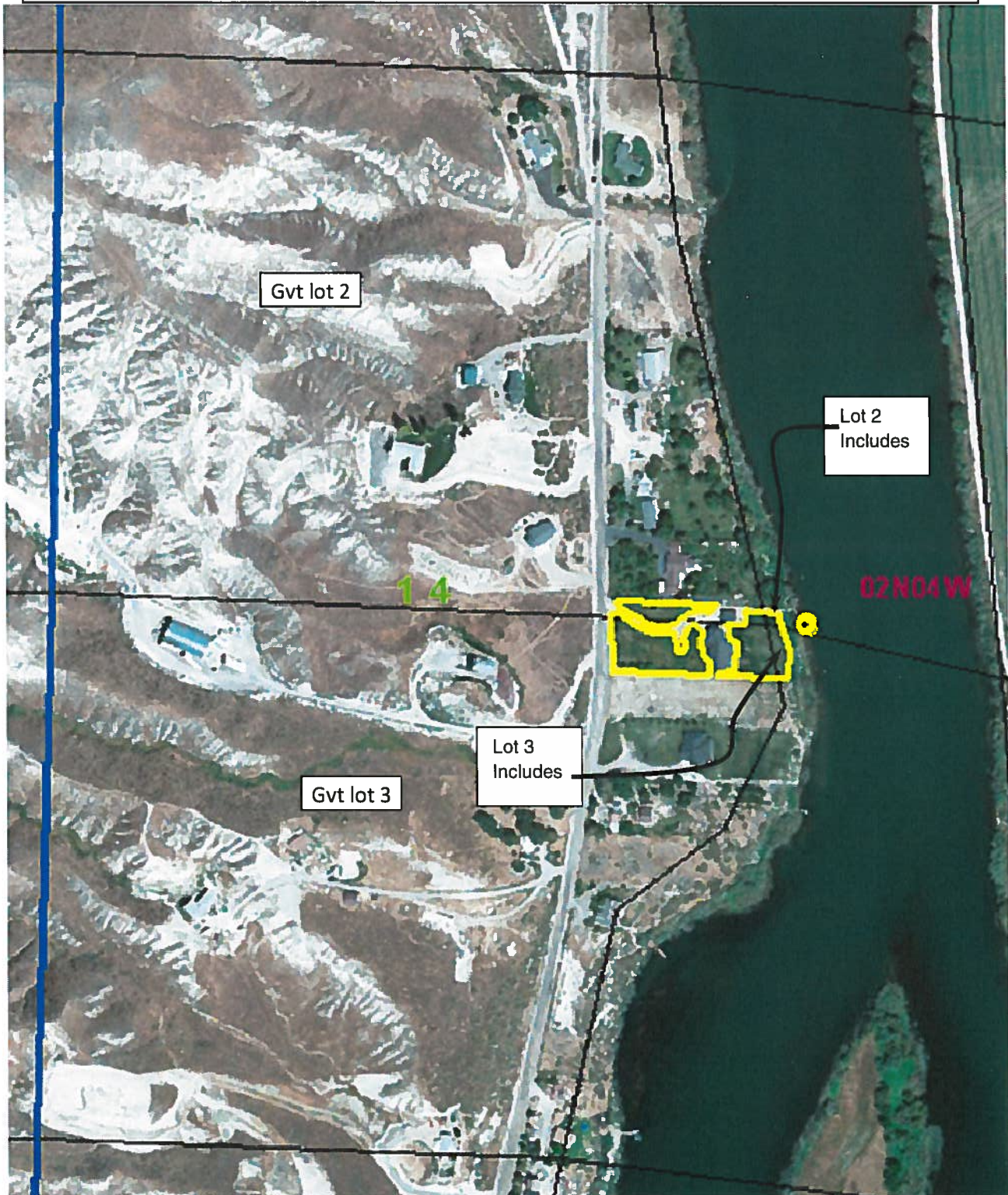
Agent KKC

FIELD EXAM MAP

Aerial photo date 2011

Twp Rng Sec QQ

2N 04W 14



FIELD EXAM CONVERSATION MEMO SURFACE WATER SYSTEM

PERMIT # 02-10292 STAFF KKC DATE 3-19-12

Permit Owner	Proof Contact	Tax lot Ownership	Comments
<u>James Boutillier</u>	<u>same</u>		
<u>7240 Old Bruneau Hwy</u>	<u>"</u>		
<u>Marsing 83639</u>			

APPOINTMENT DATE/TIME/PLACE _____

ANY APPARENT DISCREPANCIES BETWEEN PERMIT AND CURRENTLY AVAILABLE INFO?

(E.G. POU and/or POD mismatch when viewing ArcMap)

Letter sent 3-19-12 asking for info.
Per tax lot info James owns two homes now within one
tax lot. Current tax lot info does not match plat map submitted
with Ap for Permit.
James called 3-21-12 & we discussed the irr practices
see Attached memo

SYSTEM INFO: Source Snake River

<u>Surface Water Ditch System.</u> Application method _____ Measurement device type _____ <u>Surface Water Pump System.</u> Approx HP <u>1 HP (from App.)</u> Approx type/number sprinklers used/ Pressure <u>27 sprinklers - 4 independent stations</u> <u>pressure unit estimate @ 60 PSI</u> <u>lift ± 15'</u>	$\frac{A @ 1 HP}{(B @ 5 HP) * 8.8 * 0.7} = \frac{A = .04 cfs}{B = .20 cfs}$ $\frac{(60) PSI * 2.31}{15 ft}$ Permit Rate _____ = <u>.03</u> Proof Pd (\$ <u>50⁰⁰</u>) (max cfs) = <u>.20</u> Found POU acres <u>1</u> * 0.02 cfs/ac = <u>.03</u> Delivery system specifications: <u>Permit Holder not positive on HP.</u>
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