

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-11363

Exam Date: 8/26/2010

1. Current Owner: RUBERT FAMILY 2000 TRUST
9323 NORTH GOVERNMENT WAY
HAYDEN ID 83835
(208) 277-8338
2. Accompanied by: OWNER
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE

HAYDEN LAKE

TRIBUTARY

SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

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

HAYDEN LAKE	L5 SE1/4NE1/4	Sec. 10, Twp 51N, Rge 03W, B.M.
KOOTENAI County		
HAYDEN LAKE	L5 SE1/4NE1/4	Sec. 10, Twp 51N, Rge 03W, B.M.
KOOTENAI County		

Method of Determination: GPS AND MAP W116°4050.2 N 47°46.56.6

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	03W	10				X L 5													

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	
51N	03W	10				.7 L 5													.7

Total Acres: 0.7

Method of Determination:

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</u> <u>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</u> <u>Size</u>
<u>old pump</u>	<u>Red Jacket</u>		<u>100 RJA</u>	<u>CSSCXTT</u>	<u>4691 Pump #1</u>
<u>New Pump</u>	<u>GRUNDFOS</u>		<u>16S15-14</u>		<u>Pump #2</u>

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements: First Pump was 4 gallons in 25 sec = 9 Gpm or 0.02 Cfs.
Pump #2 measured 10 gallons in 15 sec = 40 Gpm or 0.09 Cfs. The total flow of 2 pump together in this combined system is 0.11 Cfs.

E. FLOW CALCULATIONS

Measured Method:

 Additional Computation Sheets Attached

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .7X \text{ 3AFA} = 3\text{AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05X246X1.9835 = 24.39 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3\text{AFA}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 2 HOMES = 1.2 AFA**G. NARRATIVE/REMARKS/COMMENTS: Amendment for adding a point of diversion to this water right.**

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>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.2 AF
IRRIGATION	03/15 to 11/15	0.050 CFS	3.00 AF
<u>Totals:</u>		0.090 CFS	4.2 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 ☐ Other

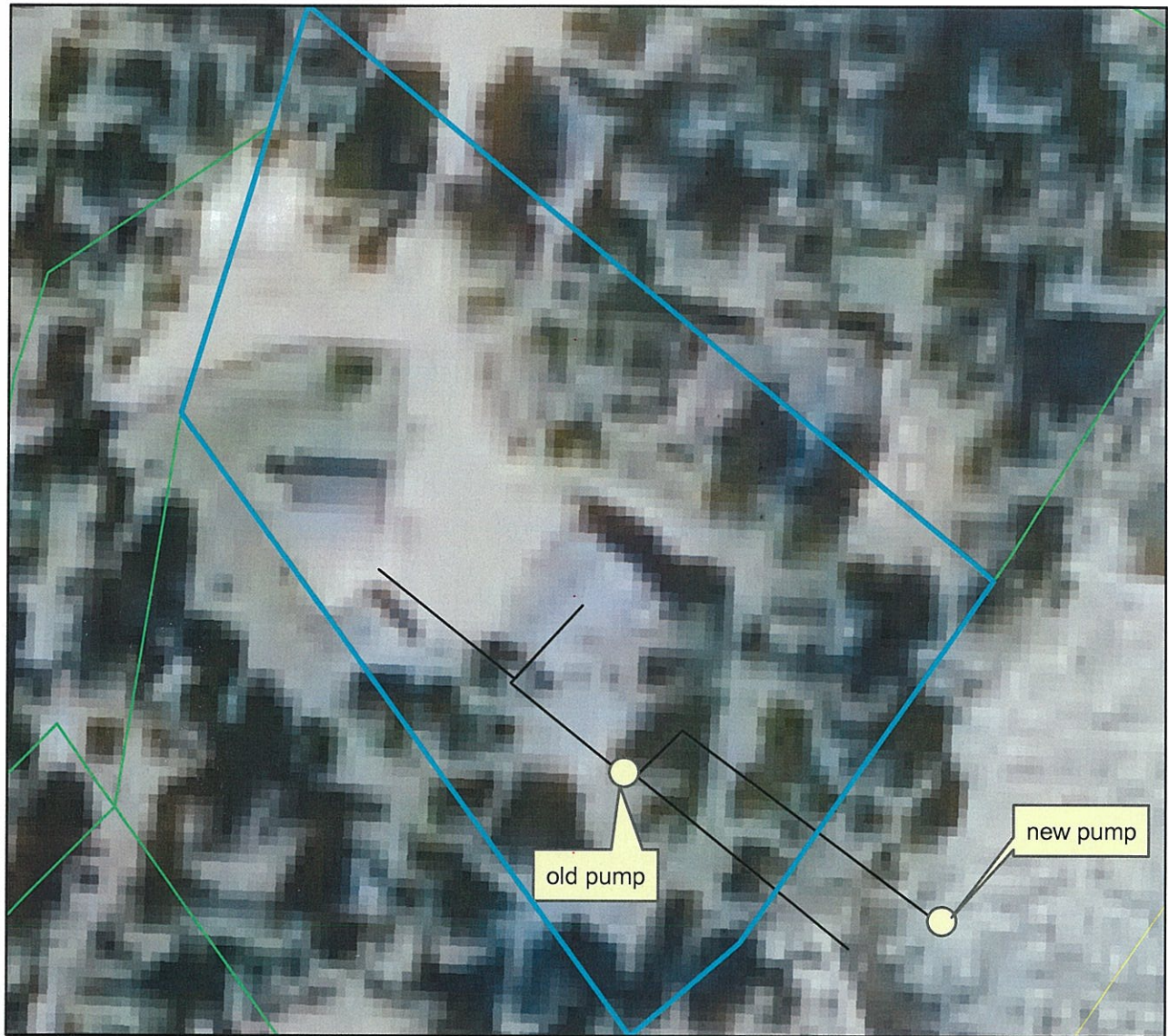
I. AUTHENTICATION

Field Examiner's Name *Ken Knoblock* Date 9-27-2010

Reviewer *Kenneth Knoblock* Date 9/28/10

KENNETH KNOBLOCK

SYSTEM



0 25 50 100 150 200 Feet



Legend

 Taxlots



WATER SYSTEM .JPG



SMALL RENTAL .JPG



HOME .JPG



PUMP .JPG



PUMP 2.JPG



POD FOR PUMP
HOUSE.JPG



SUBMERSIBLE POD.JPG



IRRIGATION .JPG

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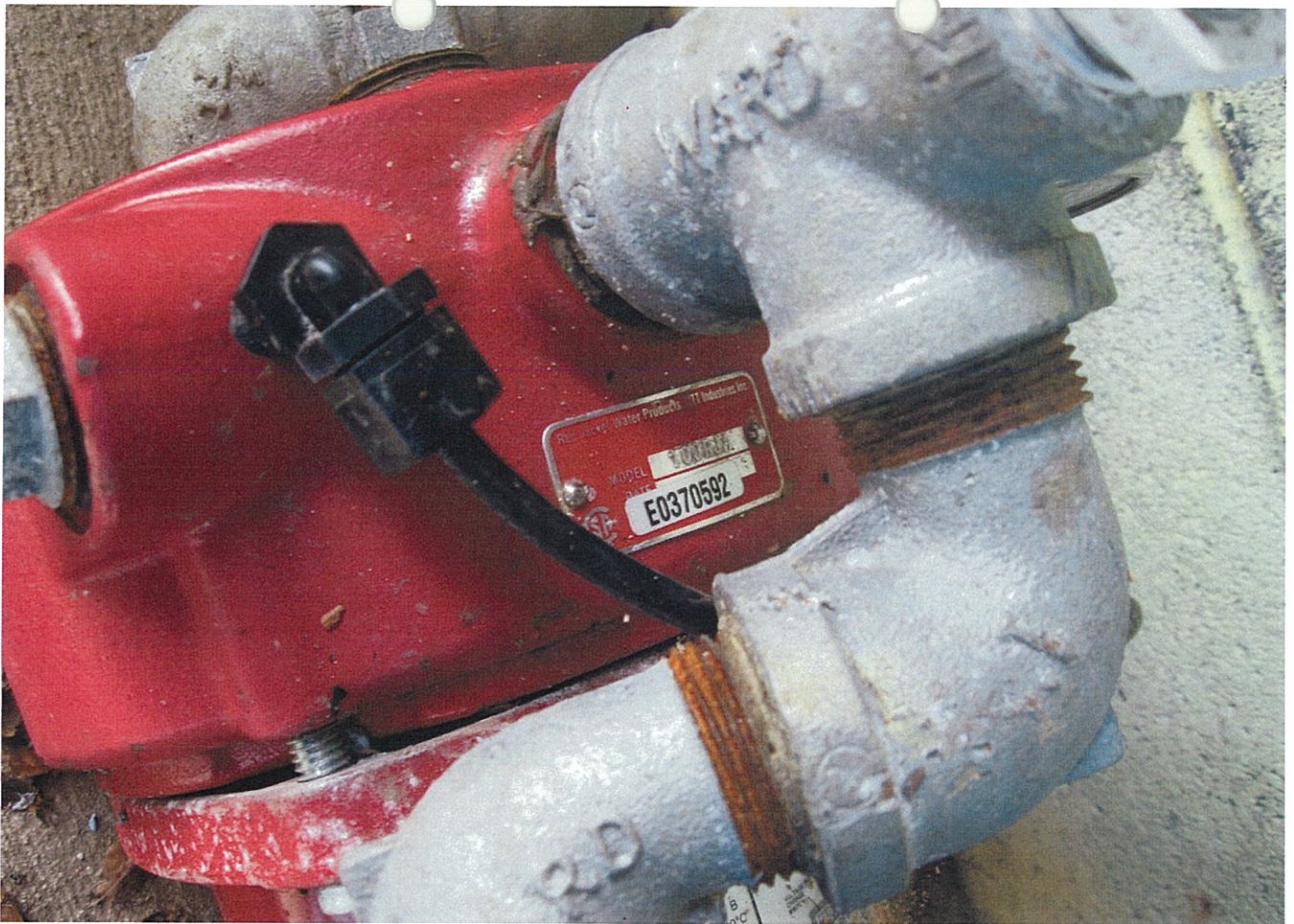
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