

RECEIVED

Permit No: 65-22904

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STATE OF IDAHO DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22904

Exam Date: 10/31/2006

1. Current Owner: ROBERT L BEVAN
PO BOX 275
GARDEN VALLEY ID 83622
(208)462-8023

2. Accompanied by: Robert Bevan

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE**

MIDDLE FORK PAYETTE RIVER
UNNAMED STREAM

TRIBUTARY

PAYETTE RIVER
MIDDLE FORK PAYETTE RIVER

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:**

MIDDLE FORK PAYETTE RIVER	SW1/4SE1/4	Sec. 10, Twp 09N, Rge 04E, B.M.
BOISE County		
UNNAMED STREAM	SW1/4SE1/4	Sec. 10, Twp 09N, Rge 04E, B.M.
BOISE County		

Method of Determination: Exam

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	
09N	04E	10															2.0		2.0

Total Acres: 2

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09N	04E	10															X		

Method of Determination: Exam

3. ☐ Y ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Y ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☐ Y ☐ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐ Y ☐ 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>
_____	Briggs & Stratton	8	Code 961203YE Model 190432	Monarch	0297
_____	Water Ace	2	694900	778 Jet Pump	URJ170325
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: No actual measurements made due to ice and weather constraints on the system

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Theoreticals

$$\frac{8 \text{ hp} \times .7 \times 8.8}{50' \text{ lift} + 20 \text{ psi} \times 2.31} = .51 \text{ cfs}$$

$$\frac{2 \text{ hp} \times .7 \times 8.8}{50' \text{ lift} + 20 \text{ psi} \times 2.31} = .13 \text{ cfs}$$

$$8 \text{ hp @ } 30 \text{ psi} = .41 \text{ cfs}$$

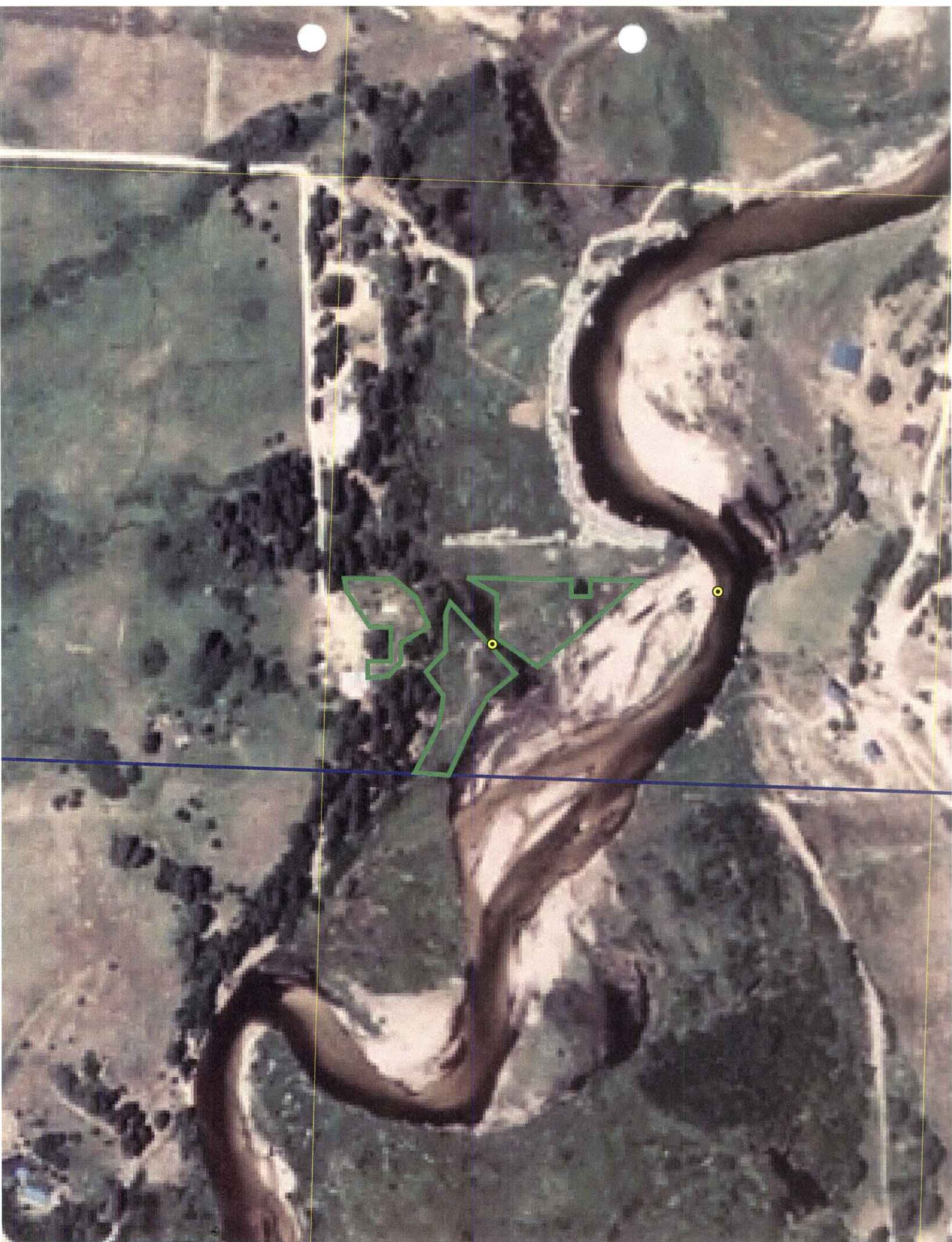
$$2 \text{ hp @ } 30 \text{ psi} = .10 \text{ cfs}$$

$$8 \text{ hp @ } 40 \text{ psi} = .35 \text{ cfs}$$

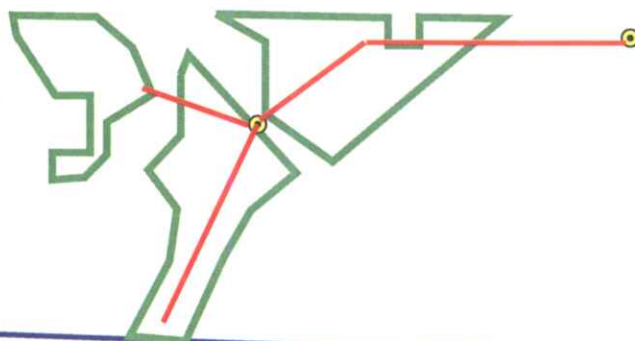
$$2 \text{ hp @ } 40 \text{ psi} = .09 \text{ cfs}$$

Lift based on topo map

Owner estimated operating pressure at 20-30 psi.



Main Line System in Red





P/D: 2 hp pump on unnamed stream
Picture of 8 hp gas pump used for river diversion in file 65-22904





P/U: .4 acre lawn area



P/U: 1.6 acre pasture area (looking east from lawn area)