

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22713

Exam Date: 8/16/2007

1. Current Owner: FAULL RANCH ESTATES OWNERS ASSN INC
PO BOX 88
HORSESHOE BEND ID 83629
(208) 793-3388
2. Accompanied by: Lonnie Dodd
Phone No: (208) 793-2850
Address: PO Box 565 Horseshoe Bend, ID 83629
Relationship to Permit Holder: POU Owner

3. **SOURCE**

PAYETTE RIVER

TRIBUTARY

SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 65-3803C
2. Other water rights with the same point of diversion: 65-2858A, 65-2858B, 65-9417A, 65-9417B, and 65-10963

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

PAYETTE RIVER L1 NW1/4NE1/4NW1/4 Sec. 11, Twp 07N, Rge 02E, B.M.
BOISE County

Method of Determination: Aerial Photo

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	
07N	02E	2															5.0		5.0

Total Acres: 5

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 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>
705630		100		Jacuzzi	120 PSI T-453
	Century Electric	50	9M	Jacuzzi	50 GM-T
		25			

*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>
Fuji Flowmeter	UltraSonic	Fuji				

2. Measurements: 0.27 CFS measured at tee off main line.

E. FLOW CALCULATIONS

Measured Method: Ultrasound measurement used.

☒ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 22.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 50.2$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 22.5$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Water under this right was found to be put to beneficial use for irrigation purposes in the SESWSE 1/4 of section 2 township 07N range 02E . The point of diversion is the Payette River located 0.4 miles West of the place of use in the NWNENW 1/4 of Section 11 Township 07N Range 02E. The water is pulled from the river by two slave pumps, diverted into 10" pipe and transported to the place of use powered by three pumps of 100/50/25 HP respectively. This pipeline is a shared POD providing water for several other rights in the subdivision and tapers down to 6" pipe as it moves up the hill. The users tied into the pipe at the Eastern tee of Waverly drive with 3" pipe that heads West down the North side of the road to the intersection with Deke Drive. A pump is located here next to the pond as well as a lockable shut off valve. The pipe line crosses the road and follows the NW side of Deke Drive where it continues on around the perimeter of the POU. The Eastern two acres are watered by five hand lines with 30 - 1/8" heads. There is a pressure gauge located on the North end of this section. The West three acres are watered by a movable hand line that uses 15 - 5/32" heads. There are two shut off valves used for maintenance of the line on the Northern edge of the property. This line continues on West to provide water for right # 65-22725. The flow rate was measured using a Fuji ultrasonic flowmeter and found to provide 0.27 CFS which is enough to give the necessary 0.22 CFS for the two rights.

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	03/15 to 10/31	0.110 CFS	22.50 AF
<u>Totals:</u>		0.110 CFS	22.50 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 Jeff Harris Date 8-27-07

Reviewer _____ Date _____

08-16 10:3700 *R
+003.10 % AI2

0119.3 MMSEC
101.90 % T0

10:50+ 1.180E 2GPM 00R
+ 4.911E 0FPS 00R
+00000 *10 G 00R
-00000 *10 G 00R

10:51+ 1.164E 2GPM 00R
+ 4.845E 0FPS 00R
+00011 *10 G 00R
-00000 *10 G 00R

10:52+ 1.177E 2GPM 00R
+ 4.898E 0FPS 00R
+00023 *10 G 00R
-00000 *10 G 00R

10:53+ 1.376E 2GPM 00R
+ 5.725E 0FPS 00R
+00035 *10 G 00R
-00000 *10 G 00R

10:54+ 1.226E 2GPM 00R
+ 5.101E 0FPS 00R
+00048 *10 G 00R
-00000 *10 G 00R

10:55+ 1.221E 2GPM 00R
+ 5.082E 0FPS 00R
+00060 *10 G 00R
-00000 *10 G 00R

10:56+ 1.255E 2GPM 00R
+ 5.223E 0FPS 00R
+00072 *10 G 00R
-00000 *10 G 00R

10:57+ 1.221E 2GPM 00R
+ 5.082E 0FPS 00R
+00085 *10 G 00R
-00000 *10 G 00R

10:58+ 1.227E 2GPM 00R
+ 5.108E 0FPS 00R
+00097 *10 G 00R
-00000 *10 G 00R

10:59+ 1.220E 2GPM 00R
+ 5.078E 0FPS 00R
+00109 *10 G 00R
-00000 *10 G 00R

11:00+ 1.231E 2GPM 00R
+ 5.121E 0FPS 00R
+00122 *10 G 00R
-00000 *10 G 00R

122 GPM

, 27 of 5

Flex line:
15 Heads 5/32"

Hand lines:
30 Heads 1/8"

10" mainline
tapers to 6"

Pump

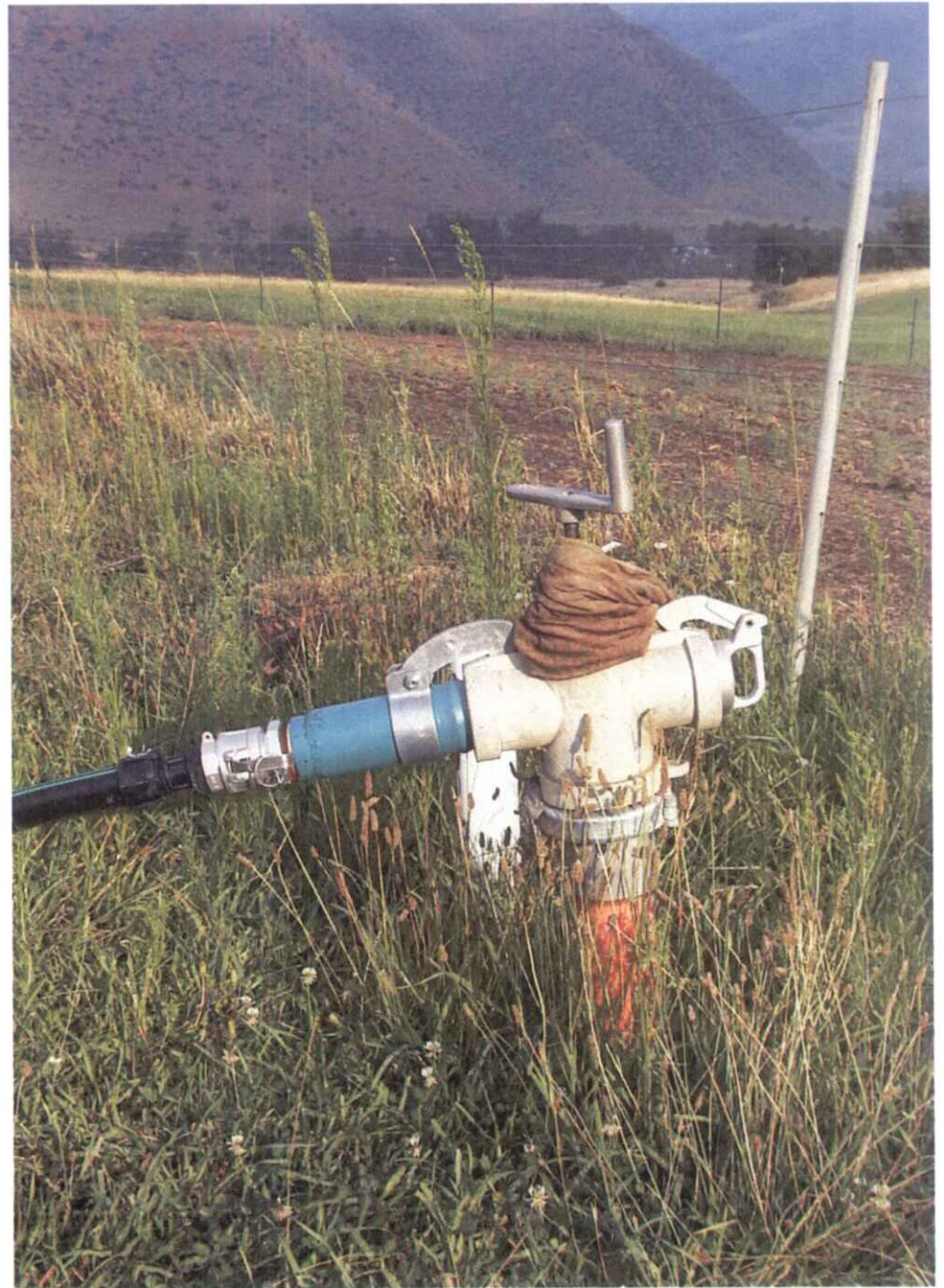
3" Tee with
lockable valve.

12





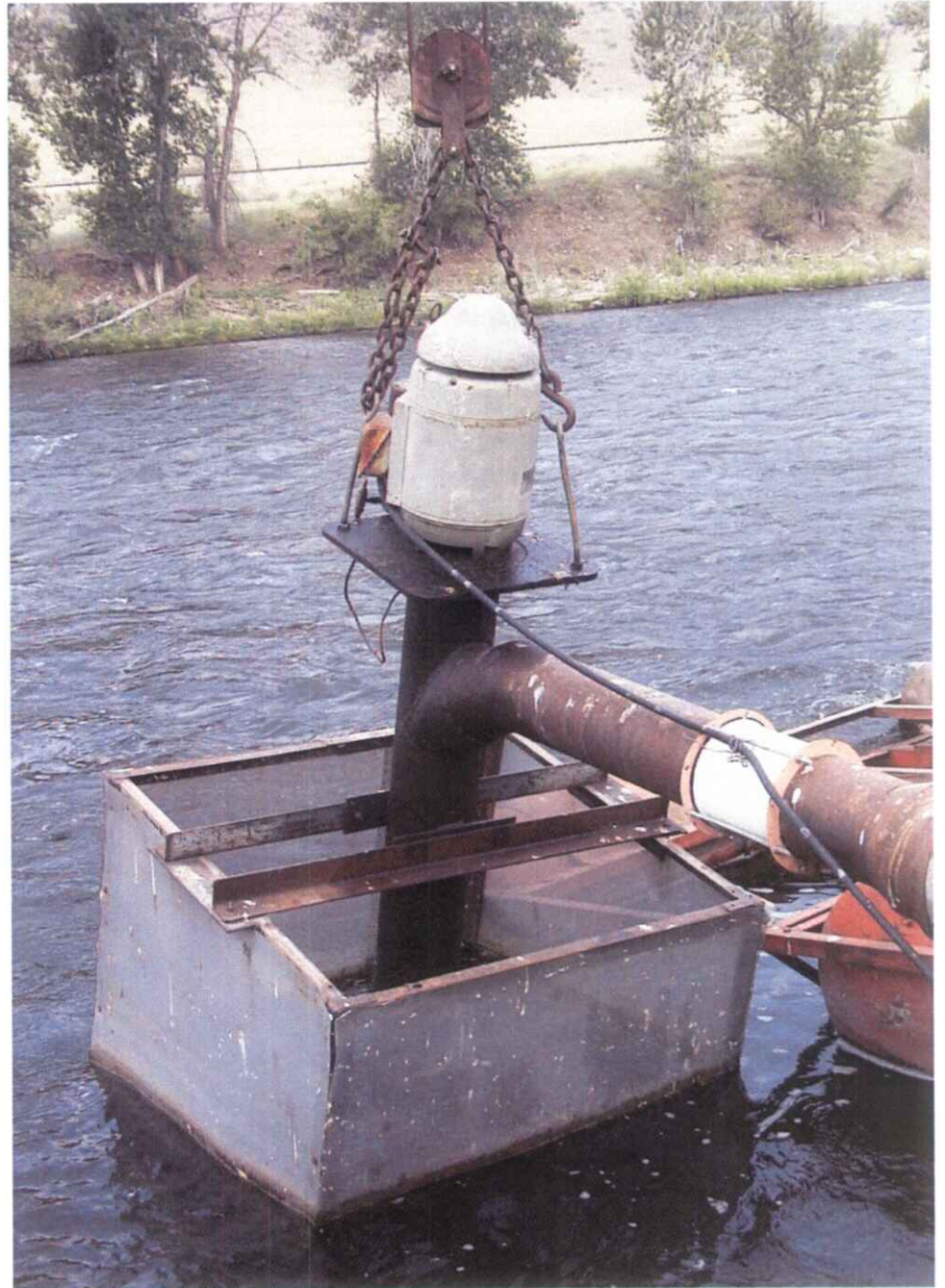
1/8" Head



Flex line valve



5/32" Head



Slave Pump @ PAYETTE RIVER

