

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-11288

Exam Date: 06/26/2024

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- a. X Irrigation of 5 acres or less
- b. N/A Storage of up to 14.6 AF for stockwater purposes only
- c. X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less.
- d. N/A Other < >
2. Current Owner: **CHRIS CAMPBELL Mailing Address: 217 CEDAR ST#286, SANDPOINT, ID 83864**
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N
- If No Explain: Physical address of the application is **1090 SUNNYSIDE RD, SANDPOINT, ID 83864**

3. Beneficial Use Fees have been paid: X Y N Receipt No: **C118485 pd 6/17/24**

4. **SOURCE:** Lake Pend Oreille **TRIBUTARY:** Pend Oreille River

Method of Determination: **ArcMap GIS and Tax Parcel Data.**

Change in Source: Y X N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
96-7011	LAKE PEND OREILLE	MUNICIPAL	License, with Claim filed in CFRBA
96-8953	LAKE PEND OREILLE	MUNICIPAL	License, with Claim filed in CFRBA
96-11289	GROUNDWATER	DOMESTIC IRRIGATION & STOCKWATER	Permitted with Statement of Completion filed

Comments: Both licensed Water Rights with Claims filed in the CFRBA Adjudication are for the Oden Water Assn Inc. for municipal use. The source is Lake Pend Oreille on these claims. The source for water right #96-12289 is groundwater from a well that was installed in the late 90's or early in 2000. Water Right #96-11289 is also being reviewed for licensing and has a direct overlap for irrigation and stockwater uses. I spoke with the applicant and the well is primarily used for domestic and stockwater uses. The irrigation is the primary use for Water Right 96-11288 but the stockwater use is listed as back up for the systems if needed.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
NONE			

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

LAKE PEND OREILLE L1 (NE¼ NE¼,) Sec. 9, Twp 57N, Rge 01W, B.M. BONNER County

Method of Determination: **ArcMap GIS and information provided by the Applicant.**

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	01W	9	0.2 L1																0.2
57N	01W	4																3.8	3.8

Total Acres: 4.0

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	01W	9	X L1																
57N	01W	4																X	

Method of Determination: **ArcMap GIS and information provided by the Applicant.**

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
UNKNOWN	FRANKLIN	3		GOULDS	18GS30

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:** I spoke with Chris Campbell on June 11th, 2024 and he sent Statement of Completion along with the pump information to the State Office and Amanda Veibell sent this to me at my request because I was doing the beneficial use field exam on his water right #96-11289. He said the line goes into the lake and has a GOULDS pump Model 18GS30 with a Franklin 3HP Motor which produces approximately 18 gpm. Mr. Campbell stated that the primary use of the water is for irrigation from the lake. The Stockwater is pumped from the well and the surface water source would be a back up if ever needed.

Irrigation:

Measurement = 4 ac x 0.03 cfs = 0.12 cfs based on department rounding standards.

Permit allowed = **0.12 cfs****Stockwater:**

Measurement = 10 Head of Mixed Stock x 12 gpd x 365 days = 43,800 gals/325,850 gal per acre foot = 0.1 AF

Permit allowed = **0.02 cfs**

Comments:

The applicant provided the invoice for the purchase of the pump he recently replaced. It is a Goulds 18GS30 pump end and a Franklin 3 HP motor which produces approximately 18 gpm or 0.04 cfs. I have derived a total diversion rate of 0.04 cfs which is recommended as the maximum diversion rate for licensing purposes for this Right.

The irrigation beneficial use was designated at 0.12 cfs based on Administrative Memo – Application Processing No. 17, which authorizes up to 0.03 cfs per acre for small acreage irrigation. The pump only allows 0.04 cfs. The stockwater use is primarily from the well on water right 96-11289 and the surface water source is for back-up.

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

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4 \text{ ac} \times 3.0 \text{ afa} = 12 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 12.7$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12 \text{ af}$$

The annual volume for this stockwater right is limited to = 0.1 AF based on the following calculation:

- 10 head mixed stock x 12 gpd x 365 days = 43,800 gals / 325,850 gal per af = **0.1 af** considering department rounding standards.

2. Volume Calculations for Other Uses: Maximum Diversion Volume equals 12 af (irrigation) + 0.1 af (stockwater) = 12.1 af considering department rounding standards.

G. PURPOSE OF USE

Irrigation Y N # Stock 10 head mixed stock Domestic # of Homes: N/A

Other: N/A Change in Purpose of Use? X N

Method of Determination: Tax lot data, and information assessed on the Statement of Completion form and received from applicant.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. Overlapping water right concerns have been evaluated and I've recommended addition of condition X35 based on POU overlap between Rights 96-11288 & 96-11289. All other conditions shall be carried to license approval.

I used ArcMap aerial imagery, Google Earth software, and Bonner County GIS tax parcel maps to evaluate the irrigation POU, which equals a total of 4 acres located in 57N01W Sec 4 SESE and also in 57N01W Sec 9 NENE Gov't Lot 7. The diversion rate(s) and volume(s) have been discussed above, but I'm recommending licensing with a maximum diversion rate of 0.04 cfs and maximum diversion volume of 12.1 af.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.04 CFS	12 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	0.1 AF
Totals:		0.04 CFS	12.1 AF

2. Recommended Amendments

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

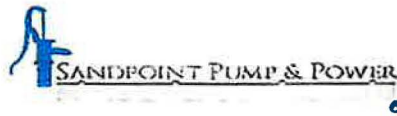
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Tammy Alleman – Water Resource Agent

Field Examiner's Name Tammy Alle Date 6/26/24

Reviewer Chae Bell Date 6/27/24

Sandpoint Pump and Power
54399 N. Old US Highway 95
Athol, ID 83801
208-263-0536



Invoice

BILL TO

Chris Campbell
1090 Sunnyside Rd
Sandpoint, ID 83864
(208) 255-8833

SHIP TO

Chris Campbell
1090 Sunnyside Rd
Sandpoint, ID 83864
(208) 255-8833

INVOICE #

2472

DATE

05/23/2024

TOTAL DUE

\$4,346.50

DUE DATE

06/07/2024

ENCLOSURE

DESCRIPTION

QTY

RATE

AMOUNT

Goulds 18GS30 Pump End A2438332

1

1,410.00

1,410.00

Franklin 3HP 1PH Motor

1

1,700.00

1,700.00

1-1/4" 250 PSI Poly Pipe

10

2.60

26.00

1-1/4" Ford Fitting Male

2

110.00

220.00

1-1/4" Cam Lock Fittings

1

54.00

54.00

1-1/4" Gate Valve

1

56.00

56.00

1-1/4"x2" Galvanized Nipple

1

3.50

3.50

#8 Flat Jacket Cable

13

4.00

52.00

#8 Splice Kit

1

15.00

15.00

Misc. Electrical and Hardware

1

10.00

10.00

Two Technician Labor

4

200.00

800.00

5-22-2024. Drove to job and installed parts listed above.
System is good to go.

...sent on completion.

*A 5% late penalty will be added to all
invoices not paid within due date

BALANCE DUE

\$4,346.50

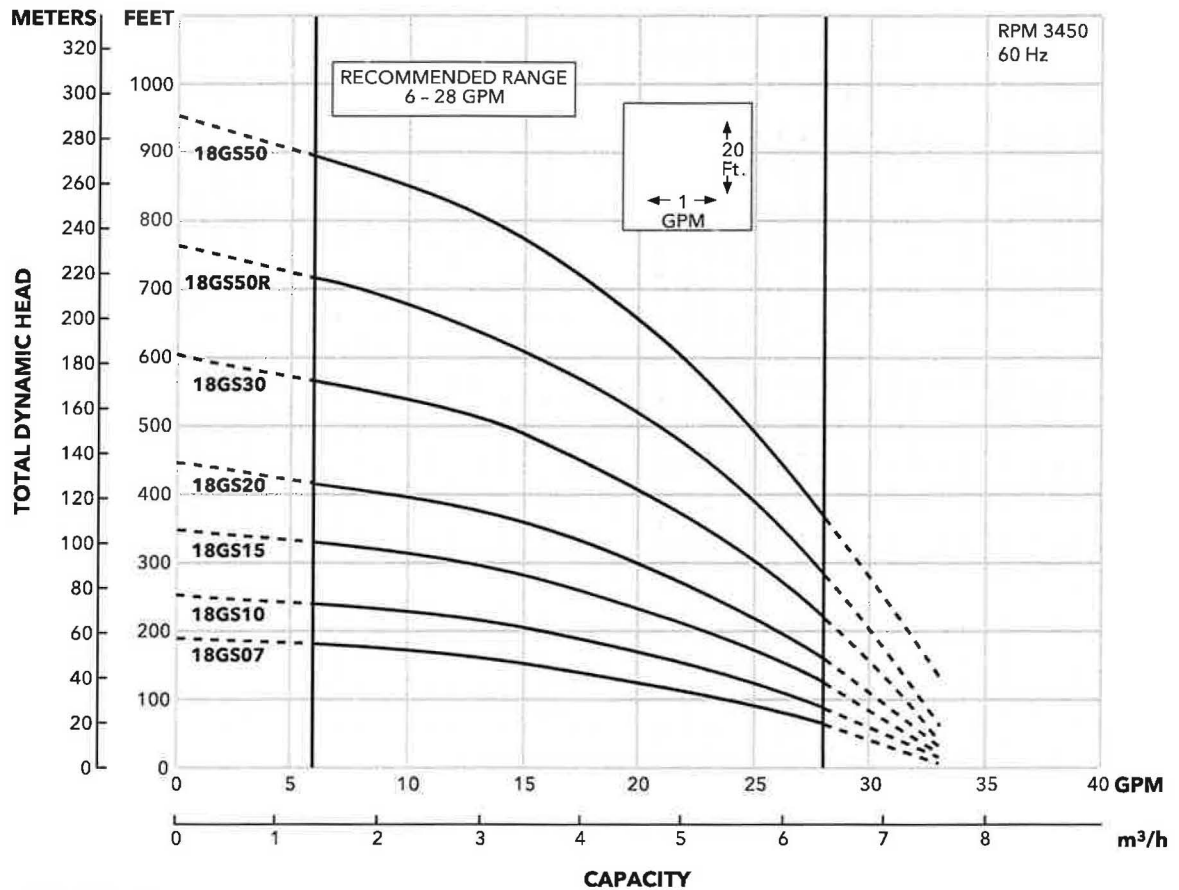
LAKE
ATZEL

PAID

WATRUST #
1008

5-25-24

Model 18GS



Model 25GS

