

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8897
Exam Date: 10/3/2008

1. Current Owner: EVELYN STRICKLAND
C/O JERRY STRICKLAND
1738 E 3400 S
WENDELL ID 83355
(208)536-2756

2. Accompanied by: JERRY STRICKLAND

Phone No: (208) 536-2743

Address:

Relationship to Permit Holder:

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| GROUND WATER | |

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-679D
2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L1(NE1/4NE1/4) Sec. 5, Twp 01N, Rge 14E, B.M. CAMAS County

Method of Determination: GPS

2. PLACE OF USE: STOCKWATER

[illegible]

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>
747321					

*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>

2. Measurements:

USING BUCKET/STOPWATCH METHOD AVERAGE TIME TO FILL 5 GALLON BUCKET = 17.6 SEC

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

$$60 \text{ SEC}/17.6\text{SEC} = 3.4 \text{ BUCKETS}/\text{MIN} = 17 \text{ GPM}$$

$$17\text{GPM} (0.02\text{CFS}/9\text{GPM}) = 0.04 \text{ CFS}$$

LIMITED TO PERMIT AMOUNT OF 0.02 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: STOCKWATER

APPLICANT STATED MAX HEAD USED UNDER PERMIT ROUGHLY 60 HEAD. 12 GAL/DAY PER HEAD

PERMIT AUTHORIZED PERIOD OF USE FROM APRIL 1 TO DECEMBER 1 = 244 DAYS

60 HEAD (12 GAL/DAY) = 720 → 720(244) = 175,680 GAL → 175,680 GAL(1AF/325,850GAL) = 0.5 AF

G. NARRATIVE/REMARKS/COMMENTS

License authorizes the diversion of 0.02 cfs and 0.9 af from 4/1 to 12/01 for stockwater use 5 miles north of Fairfield. The point of diversion is a 4 inch perforated pipe in the NENE of T01NR14E Sec5 that intercepts groundwater moving it down gradient to 2 rubber tire troughs. One trough is in the SENE of T01NR14E Sec5, the second in the NWSW of T01NT14E Sec4. System able to produce 0.04 cfs, limited to permit amount of 0.02 cfs. Applicant stated max beneficial use under this permit was around 60 head. Recommend volume of 0.5 af.

Second point of diversion listed on permit in the SWNW of T01NR14E Sec4 has fallen into disrepair and not recommended on license.

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>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	04/01 to 12/01	0.02 CFS	0.5 AF
<u>Totals:</u>		0.02 CFS	0.5 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 Nick Van Dyke Date 10/3/08

Reviewer Nick Van Dyke Date 2/10/09

STRICKLAND

	Time
M ¹	10.84
M ²	13.3
M ³	12.19
M ⁴	15.09
M ⁵	14.6

M ¹	17.6
M ²	17.1
M ³	17.9
M ⁴	17.6
M ⁵	17.8

MORE

ACCURATE

17.6 sec AVERAGE

$$60 \text{ sec} / 17.6 = 3.4 \text{ 5 gal buckets per min}$$

$$= 17 \text{ gpm}$$

$$17 \text{ gpm} \left(\frac{0.02 \text{ cr}}{9 \text{ gpm}} \right) = 0.04 \text{ cr}$$

SYSTEM DIAGRAM

POD - 4" PERFORATED PIPE INTERCEPTING GROUND WATER

POINT WHERE WATER
CAN BE ALLOWED TO
BY-PASS INTO FLOWWATER
CHANNEL →

BURIED 2" PVC PIPE. DISTANCE
TO "T" ROUGHLY 475 METERS

1ST TROUGH



75 METERS

500 METERS

2ND TROUGH



↑
N
↓

X - AT TIME OF PERMIT ISSUANCE
THERE WAS A SECOND POD. SINCE
IT HAS FALLEN INTO DISREPAIR

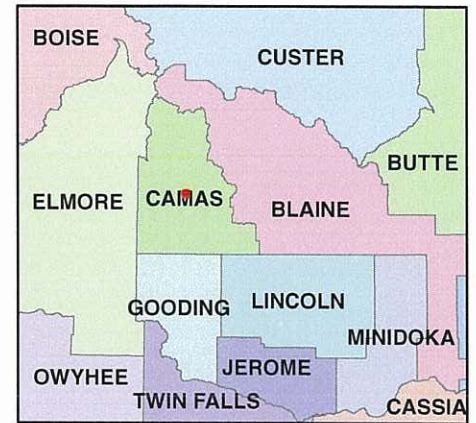


Idaho Department of Water Resources

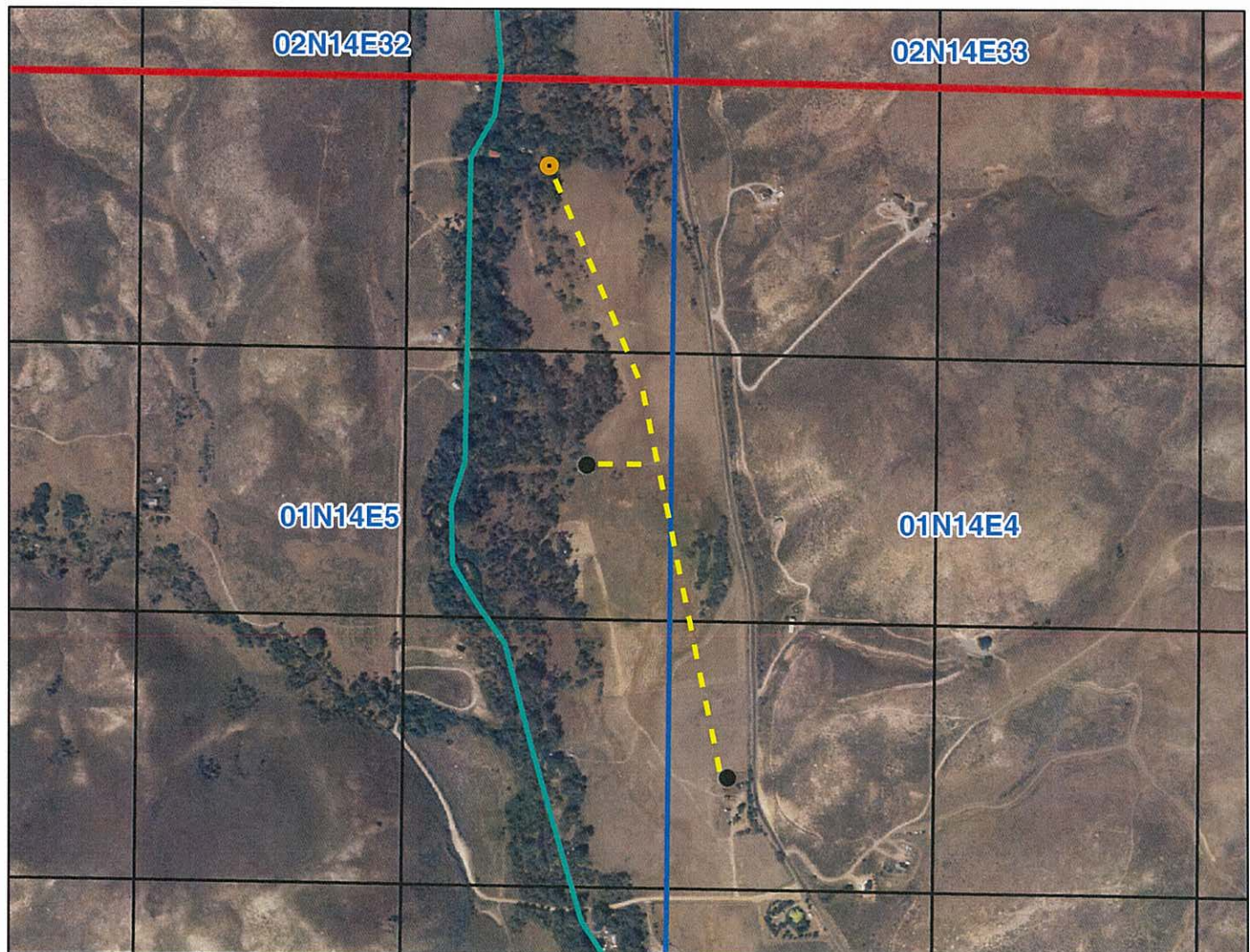
Water Right
37-8897
(STOCKWATER)

Legend

- point_of_diversion
- place_of_use
- pvc_line
- Soldier_Creek
- Townships
- PLS Sections
- Quarter Quarters



Camas County
IDWR Basin 37



0 0.125 0.25 0.5 Miles

Prepared by Nick Van Dyke
On February 04, 2009
2004 Aerial Photography

Permit No: 37-8897



- PVC PIPE IN FOREGROUND IS 4 INCH PERFORATED PIPE THAT INTERCEPTS GROUNDWATER. UNDERGROUND PIPE THEN GENERALLY FOLLOWS BLUE LINE ACROSS THE PLACE OF USE.



- RUBBER TIRE TROUGH

Permit No: 37-8897



- View looking South from Northern end of the place of use.