

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7868

Exam Date: 8/27/2015

1. Current Owner: DAN R DINNING
PO BOX 392
BONNERS FERRY ID 83805
(208) 267-3719

Or

MARY DINNING
PO BOX 392
BONNERS FERRY ID 83805
(208)267-3719

2. Accompanied by: Dan Dinning

3. SOURCE**TRIBUTARY**

GROUND WATER

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:**

GROUND WATER SW1/4NW1/4 Sec. 3, Twp 61N, Rge 01E, B.M. BOUNDARY County

Method of Determination: GPS and maps. POD location at 48° 40.103, 116° 19.849 (A0015465)

2.

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
61N 01E 3	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
							X										

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
61N 01E 3	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
							1.3										1.3

Total Acres: 1.3

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>
D0039871	FRANKLIN	2			

*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>
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N/A

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.
 THEORETICAL PUMPING EQUATION ESTIMATES $(2)(8.8)(0.8) / 160 + (40 \times 2.3087) = 0.05 \text{ CFS}$

*Estimated static lift from the well @ 160 ft and
 inline pressure @ 40 psi.*

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.3 \text{ AC} \times 3 \text{ AF} = 3.9 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 214 \times 1.9835 = 17.0 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 3.9 \text{ AF}$$

2. Volume Calculations for Other Uses: 5 HEAD OF MIXED STOCK X 12 GPD X 365 DAYS / 325,850 GAL/AF = 0.1 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED WELL WITH 2 HP PUMP. APPLICANT WAS ONLY USING WATER FOR IRRIGATION AND STOCKWATER. 1.3 ACRES OF IRRIGATION AND STOCKWATER FOR 5 HEAD OF MIXED STOCK. LICENSE WILL BE ISSUED FOR 0.04 CFS AND A ANNUAL VOLUME OF 4.0 AF.

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>
STOCKWATER	01/01 to 12/31	0.020 CFS	0.10 AF
IRRIGATION	04/01 to 10/31	0.040 CFS	3.90 AF
<u>Totals:</u>		0.050 CFS	4.00 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

Date

Reviewer

Date

Adam Fendall 12-23-2015
Eric [Signature] 12-24-2015

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. **D 0039871**
DRILLING PERMIT NO. **D0039871**
Other IDWR No. **830459**

2. OWNER:

Name **DAN R DINNING**
Address **PO BOX 392**
City **BONNERS FERRY** State **ID** Zip **83805**

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. 61		North ☒ or South ☐
W	E	Rge. 1	East ☒ or West ☐	
		Sec. 3	1/4 SW 1/4 NW 1/4	
		Gov't Lot	County BOUNDARY	
S		Lat:	Long:	

Address of Well Site **BONNERS FERRY 2B**
City **BONNERS FERRY**

(Give at least name of road - Distance to Road or Landmark)
Lt. **Bik.** Sub. Name

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
BENTONITE	0	18	400#		OVERBORE

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) **193**

Was drive shoe seal tested? ☒ Y ☐ N How? **AIR**

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 +11/2	193		.250	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☒ Screens Screen Type **STAINLESS**

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
-195	200	.015		5	STAIN	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

110 ft. below ground Artesian pressure _____ lb.
Depth flow encountered **175** ft. Describe access port or control devices: **WELL CAP**

Office Use Only		
Inspected by _____		
Twp. _____	Rge. _____	Sec. _____
1/4	1/4	1/4
Lat: _____	Long: _____	

11. WELL TESTS:

☐ Pump	☐ Bailor	☒ Air	☐ Flowing Artesian
Yield gal./min.	Drawdown	Pumping Level	Time
100+	180	180	1HR

Water Temp. **COLD** Bottom hole temp. **COLD**

Water Quality test or comments: **GOOD**

Depth first Water Encounter **175**

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y N
10	0	18	BROWN CLAY	
6	18	65	BROWN CLAY	
6	65	175	BLUE CLAY	
6	175	200	MED CLEAN SAND	X

RECEIVED
MAR 22 2005
IDWR/North

Completed Depth **200** (Measurable)
Date: Started **03/01/2005** Completed **03/02/2005**

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name **MINDEN WATER WELLS, INC.** Firm No. **320**

Firm Official *Edward J. Minter* Date **03/16/2005**

and Driller or Operator *J. H.* Date **03/16/2005**
(Sign once if Firm Official & Operator)

State of Idaho
Department of Water Resources
Water Right License
98-7868
Stockwater



0 0.035 0.07 0.14 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



State of Idaho
Department of Water Resources
Water Right License

98-7868

Irrigation

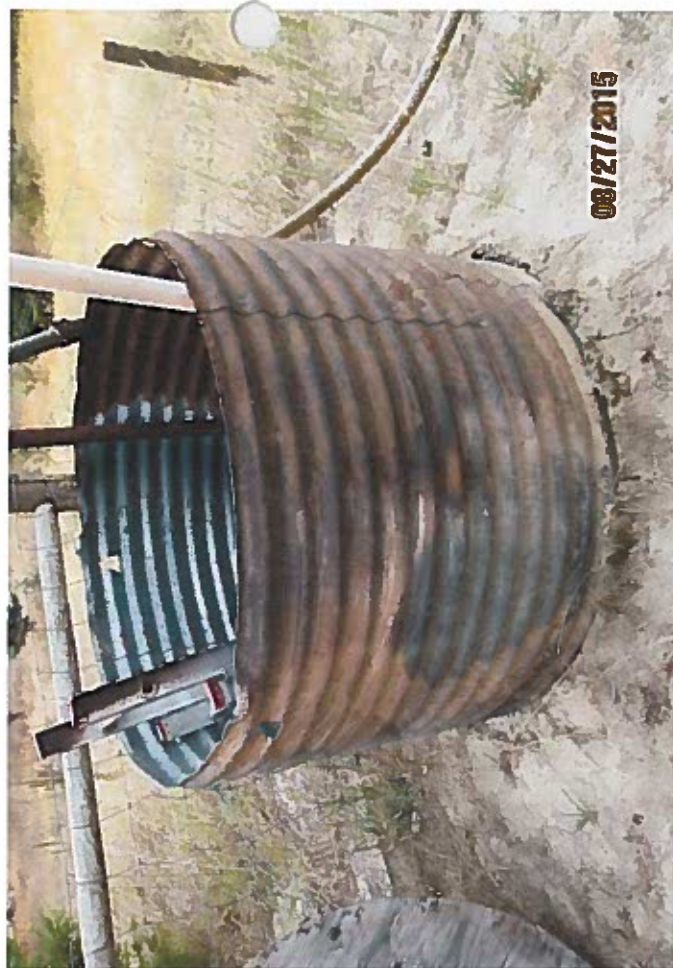
01E



0 0.035 0.07 0.14 Miles

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