

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-09460
Exam Date: 6/6/2017

1. Current Owner:
DAVID NIBARGER 6316 PRICHARD CREEK ST MURRAY ID 83874 (208) 682-9150
And/Or
BETTY NIBARGER 6316 PRICHARD CREEK ST MURRAY ID 83874 (208) 682-9150

2. Accompanied by: In-office exam

3. **SOURCE:**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 94-8289
2. Other water rights with the same point-of-diversion: 94-8289, 94-8458, 94-8459, & 94-8460

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

GROUND WATER SW¼NW¼ Sec. 5, Twp 49N, Rge 05E, B.M. SHOSHONE County

Method of Determination: GIS and Taxlot Data

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N	05E	5						X											

Method of Determination: Google Earth, Arc map, and Shoshone County Taxlot Parcels

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

N/A Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

N/A 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
D0005976	FRANKLIN	2.5			

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

E. FLOW CALCULATIONS

Measured Method: MEASUREMENT OF DIVERSION RATE X Additional Computation Sheets Attached
 COVERED UNDER IDAPA RULES 37.03.02.035.01.r. WELL OWNER PROVIDED SIZE PUMP (2.5HP), PSI (40), AND
 PUMP DEPTH (60 FEET). THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT 52GPM OR 0.12CFS.

F. VOLUME CALCULATIONS

2. Volume Calculations for Other Uses: DOMESTIC FOR 1 HOME WITH UP TO ½ ACRE OF IRRIGATION = 1.2 AF

G. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house exam. There are 3 permits (94-9458, 94-9459, & 94-9460) that all share the same well (D0005976). All 3 homeowners filed a joint adjudication claim in CSRBA no. 94-8289. Prior to the partial decree, it was brought to their attention that they would only be recommended for 0.04cfs with a maximum daily diversion volume of 2,500 gallons between all 3 homes. So the homeowners came in and each applied for their own water permits. During the permit development period the claim was partially decreed for 0.04cfs for 2,500gpd between all 3 homes. Because the partial decree has been issued, we can proceed with licensing the 3 permits and putting proper overlap conditions on each license.

In a phone call on 6/5/2017 to Mr. David Nibarger, he confirmed the well had a 2.5hp Franklin pump running at 40psi and was set around 60 feet deep in the well. Theoretical pumping equation estimates flow rate with those parameters is capable of producing 52gpm or 0.12cfs. Each license will be issued for 0.04cfs with an annual volume of 1.2 acre feet for domestic use and irrigation of up to ½ acre. Each license will be overlapped with the partial decree to limit the use to 0.04cfs with an annual volume of 1.2 acre feet. Shoshone County Tax Parcel showed applicants were still the owners of the properties, but condition 004 will be kept on license because it is a shared well.

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>
DOMESTIC	01/01 to 12/31	0.04 CFS	1.2 AF
<u>Totals:</u>		0.040 CFS	1.20 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None
 Change P.U. as reflected above Add P.U. as reflected above X None

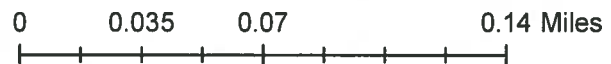
I. AUTHENTICATION

Field Examiner's Name Adam Franklin Date 6-6-2017
 Reviewer Morgan Case Date 6-7-2017

State of Idaho
Department of Water Resources
Water Right License
94-9460



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



THIS IS A COMMON THEORETICAL PUMPING EQUATION FOR ALL 3 WATER RIGHTS BECAUSE THEY ALL SHARE THE SAME WELL. A PHONE CALL TO DAVID NIBARGER ON 6/5/2017 CONFIRMED A 2.5HP FRANKLIN PUMP IN WELL RUNNING AT 40PSI AND SET AT 60FT.

PUMP EQUATIONS WATER RIGHT No.						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	2.5	152.517	0.8	60	40
Q =	0.116 cfs		51.9 gpm			

1. WELL TAG NO. D 0005976
DRILLING PERMIT NO. 94-99-N-9
Other IDWR No.

2. OWNER:
Name Thomas & Carol Edwards
Address P.O. Box 445
City Murray State ID Zip 83874

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

Map grid showing location: X at intersection of 49 North and 5 East.

Twp. 49 North ☒ or South ☐
Rge. 5 East ☒ or West ☐
Sec. 6 1/4 NE 1/4 NE 1/4
Gov't Lot 10 County Shoshone
Lat. : : Long. : :
Address of Well Site Prichard Crk Rd
City Murray

LL Blk. 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	5		overbore

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

Was drive shoe seal tested? ☐ Y ☐ N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	User	Welded	Threaded
6	+2	38	250	steel	☒	☐	☒	☐
4	-30	70	160	pvc	☐	☒	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS

Perforations Method saw

Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	User
30	70	1/8x4	30			☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

10 ft. below ground Artesian pressure lb.

Depth flow encountered ft. Describe access port or control devices: cap

49 N 5 E 5

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
60		70	1 1/2 hr

Water Temp. cold

Bottom hole temp.

Water Quality test or comments:

Depth first Water Encounter 50

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
8	0	24	clay, gravel, boulders		
6	24	33	brown clay some gravel		
	33	70	broken blue shale with seams of tan shale	x	

Completed Depth 70ft+ (Measurable)
Date: Started 5/3 Completed 5/3/99

13. DRILLER'S CERTIFICATION

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

Company Name Bronson Water Wells Firm No. 360

Firm Official Clint Bronson Date 5/7/99

and

Driller or Operator Date

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES