

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-09613

Exam Date: 6/30/2017

1. Current Owner:

LEONARD MORRISON 3403 S LORETTA DR SPOKANE VLY WA 99206-5971 AND

CLAIRE MORRISON 3403 S LORETTA DR SPOKANE VLY WA 99206-5971 AND

DALE BUEGE 3403 S LORETTA DR SPOKANE VLY WA 99206-5971 (208) 819-4486 AND

CATHY BUEGE 3403 S LORETTA DR SPOKANE VLY WA 99206-5971 (208) 819-4486

2. Accompanied by: Current owners

3. **SOURCE:**

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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L8 (NE¼SE¼) Sec. 4, Twp 49N, Rge 02E, B.M. SHOSHONE County

Method of Determination: Maps and GPS. POD located at -116° 12.092, 47° 37.220 D0061097 given IDWR tag A0015421

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	02E	4													X L 8				

Method of Determination: Google Earth and Arcmap.

3.

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

X 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).X 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
D0061097	PENTAIR	3/4			

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: Unable to perform a flow measurement

E. FLOW CALCULATIONS

Measured Method: Unable to perform flow measurement X Additional Computation Sheets Attached
 because there was not adequate space before water reached pressure tank. Theoretical pumping equation estimates flow at 17.6 gpm or 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses: Domestic use for 7 RV spots with no septic hookups.

$$7 \text{ RV} \times 25 \text{ gal} \times 169 \text{ days of use} = 29,575 \text{ gpy} / 325,850 = 0.09 \text{ AF or } 0.1 \text{ AF with rounding}$$

G. NARRATIVE/REMARKS/COMMENTS

A change in ownership at time of licensing was performed on this permit. The original permit 94-7442 was split because the current owners bought it from the original permit holder. Permit 94-7442 was also using water and thus a split was required.

Field exam with current owners showed a well serving 7 RV sites. The well plumbed to a pressure tank and there was no adequate spot to perform a measurement. A theoretical pumping equation was used to estimate the well production. A 3/4hp pump was estimated to have a flow 17.6 gpm or 0.04 cfs. The 7 RV sites were not hooked up to septic and the owners said they were there from May 15th to October 31. The RVs will be given 25 gallon per day per RV use and the annual volume will be based upon the 169 days of camping. The volume is equal to 29,575 gallons per year or 0.1 acre-feet. The current owners said they did not irrigate because the land received natural sub-irrigation. They said they were unaware of any previous irrigation on the property. The license will be issued for 0.04 cfs with an annual volume of 0.1 acre-feet.

Condition 01M was put on original permit because the application was more than 0.20 cfs. The condition would normally not be put on for a domestic use like this license is being issued for. Because it was put on the permit, it will remain on the license to stay consistent with the usage description of that condition. WB5 will modified to say domestic use is for 7 RV's which will not enlarge the original condition on permit. Condition 004 will remain on license. There are no overlap concerns.

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	0.1 AF
	<u>Totals:</u>	0.040 CFS	0.10 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 Finkler Date 4/23/2018

Reviewer Douglas Jones P.E. Date 4/5/18

State of Idaho
Department of Water Resources
Attachment to Field Exam
94-9613

DOMESTIC / SYSTEM DIAGRAM



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

0 0.035 0.07 0.14 Miles



THEORETICAL PUMPING EQUATION FOR WATER RIGHT 94-9613

Unable to perform flow measurement because of how piping was configured from well to pressure tank.
IDWR will assume pump is set 15 feet from completed depth and running at 40 psi.

PUMP EQUATIONS WATER RIGHT						
				No.	94-9613	
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	0.75	134.517	0.8	42	40
Q = 0.039 cfs		17.6 gpm				

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Location Corrected by IDWR To:
T49N R02E Sec. 4 NESE
By: nstading 2014-02-10

1. WELL TAG NO. D 0061097

Drilling Permit No. _____

Water right or injection well # _____

2. OWNER: Peggy Morris

Name Peggy Morris

Address 5927 A Old River Road

City Kingston State Id Zip 83839

3. WELL LOCATION:

Twp. 49 North ☒ or South ☐ Rge. 02 East ☒ or West ☐

Sec. 04 1/4 NE 1/4 SE 1/4

Gov't Lot _____ County _____

Lat. 47 ° 37:219 (Deg. and Decimal minutes)

Long. 116 ° 12:099 (Deg. and Decimal minutes)

Address of Well Site 7 1/4 miles up Cda. River

City Kingston

(Give at least name of road + Distance to Road or Landmark)

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

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

☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well

☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Mud Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
<u>Bentonite</u>	<u>0</u>	<u>38</u>	<u>700 lbs</u>	<u>Poured</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>6"</u>	<u>3</u>	<u>57</u>	<u>250</u>	<u>Steel</u>	☒	☐	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 57 ft.

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method NONE

Manufactured screen ☐ Y ☒ N Type NONE

Method of installation NONE

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK: NONE

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 15' Static water level (ft) 15'

Water temp. (°F) Cool Bottom hole temp. (°F) Cool

Describe access port Bolted Well Seal

Well test: _____ Test method: _____

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
	<u>Approx. 40</u>		☐	☒	☐	☐

Water quality test or comments: Good

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
<u>10"</u>	<u>0</u>	<u>38</u>			
<u>6"</u>	<u>38</u>	<u>57</u>			
	<u>0</u>	<u>5</u>	<u>Top Soil</u>		<u>X</u>
	<u>5</u>	<u>33</u>	<u>Sand, Gravel, & Boulders</u>	<u>X</u>	
	<u>33</u>	<u>48</u>	<u>course & Fine Sand</u>	<u>X</u>	
	<u>48</u>	<u>57</u>	<u>Course Sand & Fine Gravel</u>		<u>X</u>

RECEIVED

AUG 28 2012

IDWR / NORTH

Completed Depth (Measurable): 57'

Date Started: 7-27-12 Date Completed: 8-2-12

14. DRILLER'S CERTIFICATION:

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

Company Name Valley Drilling Co. No. 683

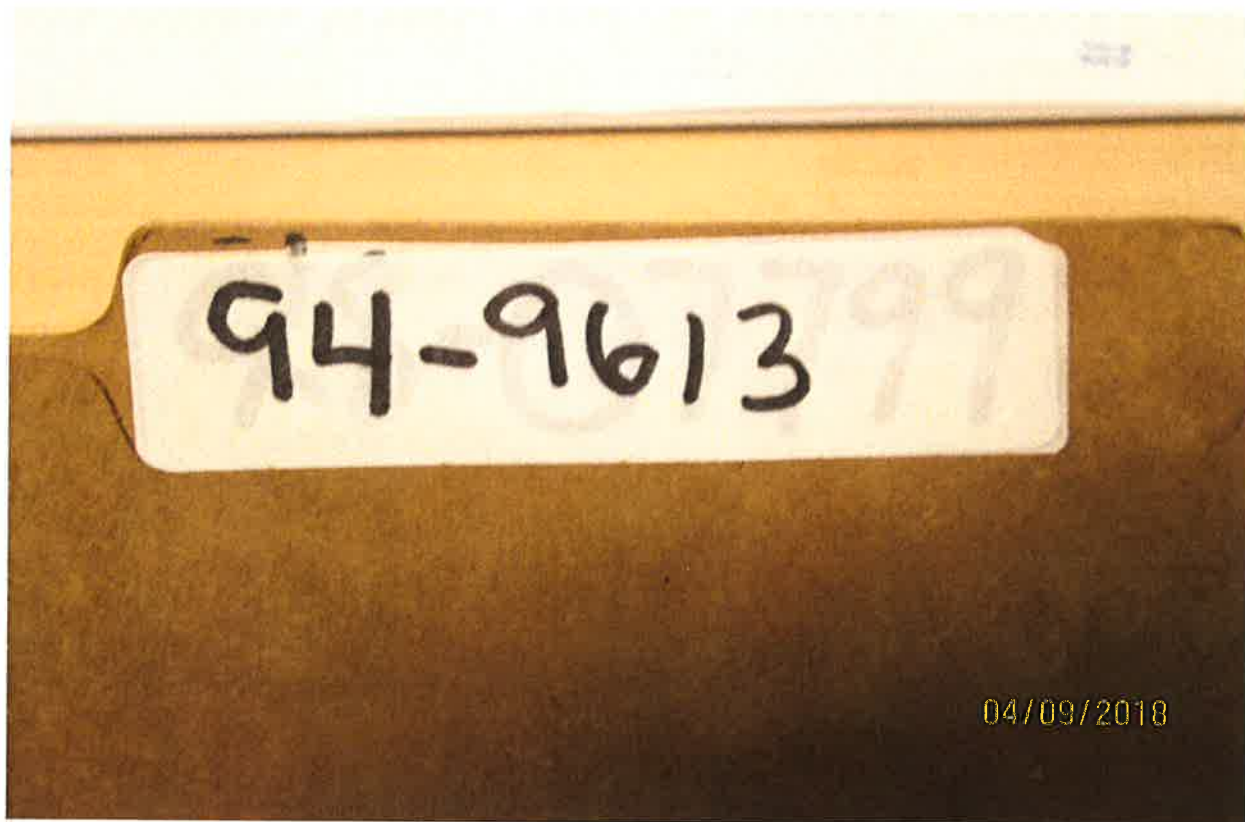
*Principal Driller W. Millers Date 8-26-12

*Driller _____ Date _____

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.



Permit 94-7442 was split at time of licensing due to ownership change into 94-7442 & 94-9613.



Well D0061097 given IDWR tag A0015421.



¾ hp pump in well. Unable to perform flow measurement because it was pumped directly to pressure tank.



Inside pump house with piping to pressure tank.



Well served 7 RV's with water.





Trailer hooked up to water.