

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23155

Exam Date: 10/3/2012

1. Current Owner: WILLIAM A OVERTON JR
500 E SOUTH SLOPE RD
EMMETT ID 83617
(208)365-4677

And/Or

VICTORIA L OVERTON
500 E SOUTH SLOPE RD
EMMETT ID 83617
(208)365-4677

2. Accompanied by: William Overton
Phone No: same as above
Address: same as above
Relationship to Permit Holder: same

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Emmett Irrigation District
2. Other water rights with the same point of diversion: none

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

GROUND WATER

NE1/4SE1/4

Sec. 19, Twp 06N, Rge 01W, B.M.

GEM County

Method of Determination: GPS, GARMIN 43.83952, -116.49385

2.

PLACE OF USE: DOMESTIC

Tw	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
06N	01W	19													X				

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>
WELL	UNKNOWN	3	UNKNOWN	UNKNOWN	1.5"

*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: NONE TAKEN

E. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method:

[1] Theoretical calculation: Z = pumping level from well log = 41 feet , 3 hp, 70 % efficiency, 30 psi for small domestic system

$$\frac{8.8 \times 3 \times 0.7}{41 + 30 \times 2.31} = \frac{18.48}{110.3} = 0.16 \text{ cfs}$$

[2] IDWR standard for 1 home with up to 0.05 acres irrigation = 0.04 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NOT APPLICABLE

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

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

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

2. Volume Calculations for Other Uses:

DOMESTIC: Vir = IDWR standard is 1.2 afa for internal domestic + associated irrigation up to 0.5 acre.

$$Vdr = 0.04 \text{ cfs} \times 365 \times 1.9825 = 28.96 \text{ afa}$$

Recommended = 1.2 afa

G. NARRATIVE/REMARKS/COMMENTS

The permit was issued for domestic use, 1 home, 0.04 cfs. Mr. Overton accompanied me on the exam. The well was drilled and the domestic and irrigation system in place when he bought the property. So, he is not sure of the configuration of the piping. He had to replace the pump so knows that it is a 3 hp., but does not have motor and pump information. There are 2 sprinkler lines with a total of 9 heads. He does not use the ground water for lawn irrigation much anymore because the new pump does not maintain pressure needed. He uses his Emmett Irrigation District surface water shares. The pump is set 20 feet below the ground surface.

Mr. Overton provided a well log when he filed his application. However, the log incorrectly lists the QQ legal description of the well as being in the NENE. He stated that he got the well information from the prior owner, whose name is on the log [Gurney], and it corresponds to when the house was built.

In ArcMap, it appears as if the place of use is in both the NESE and the SESE quarter-quarters. However, it is clear that the taxlots are offset from the PLS and that the entire POU is in the NESE.

The theoretical calculation resulted in a diversion rate of 0.16 cfs. The IDWR standard of 0.04 cfs is recommended for licensed as permitted. Volume recommended for licensing is 1.2 afa, the IDWR standard, and the less of the Vir and Vdr calculations

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

Permit = 0.04 cfs

b/u limit = 0.04 cfs

meas = 0.16 cfs

fee = 0.04 cfs

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	0.040 CFS	1.2 AF
<u>Totals:</u>		0.040 CFS	1.2 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 Wiley Chitt Date 2-4-13

Reviewer _____ Date _____



65-23155 - map of POU and POU. POU outlined in yellow.

4/2011

IDAHO DEPARTMENT OF WATER RESOURCES
FIELD EXAMINERS
WELL INSPECTION FORM

CC → MEdan
2-4-13

1. IDENTIFICATION # no tag given (Tag #, etc.)

OTHER APPLICABLE # 65-23155 (Water right #, etc.)

2. OWNER William & Victoria Overton Phone _____

Address 500 E South Slope City Emmett

State ID Zip 83617 Email _____

3. WELL LOCATION (GPS required in Degrees Decimal Minutes – use PLS if GPS not available)

Lat. 43.83952 Long. -116.49385

Twp 6N Rge 1W Sec 19 ¼ NE ¼ 9E

4. WELL CONSTRUCTION ☒ Well log attached ☐ Well log not found

Any obvious construction problems that may be a source for contamination or waste? ☐ Yes ☒ No

If yes, describe below &/or see attached (list any that apply): ☐ Photos ☐ Diagram ☐ Other

5. HYDROLOGIC INFORMATION

Static water if measured _____ ft. Water temperature if measured _____ °F

Flowing artesian ☐ Yes ☐ No Pressure if measured _____ psi

NOTES

* well 106 - RR description of NENE
is incorrect. Should be NESE. The
NENE is 1/2 mile north, and not at "John & S. Slope" as
the 106 states

INSPECTED BY

Wally Llewellyn

DATE

10-3-12

Mr Overton says he got this well information from
Gurney

65-23155 Field Exam photos



6" diameter well located southwest of the house.



Piping from well to house for internal domestic and sprinkler system.

65-23155 Field Exam photos



Irrigated place of use – west of house.



Irrigated place of use – north of house.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

September 21, 2012

William A. Overton, Jr.
Victoria L. Overton
500 S. Slope Rd.
Emmett, ID 83617

Re Permit To Appropriate Water No. 65-23155

Dear Mr. and Mrs. Overton:

The permit referenced above was issued for the internal domestic use of one home, and associated irrigation of up to 0.5 acre from ground water. This letter is to request that you call me to schedule the field exam for this permit. A field exam is required by Idaho law before a license can be issued, at which time it becomes a water right. The license is the end product needed for continued water use.

The exam will not take longer than about 20 minutes and you will need to provide information regarding diversion and delivery works, such as pump and motor specs.

I will be conducting exams in the Emmett area on September 26 and 27, 2012. Please call me at 208.334.2190, **by September 25, 2012**, to set an appointment for the exam. Failure to respond to this letter request may result in the permit being voided or a license issued for less than the permitted amount. Thank you.

Sincerely,

Vicky Music
Sr. Water Resource Agent