

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8582

Exam Date: 10/17/2012

1. Current Owner: ROBERT F BOUTTIER
PO BOX 476
BELLEVUE ID 83313
(208)788-3080

2. Accompanied by: Permit holder

3. SOURCE

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-11534 (this well is for the trailer that is southwest of the barn) and 37-4277 (irrigation only)

2. Other water rights with the same point of diversion: NONE, Right 37-11534 is for an old well that was used in conjunction with the trailer see narrative for more discussion

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**GROUND WATER NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36, Twp 02N, Rge 18E, B.M. BLAINE CountyMethod of Determination: ~~GPS~~ and field visit

2.

PLACE OF USE: DOMESTIC AND STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
02N	18E	36																	x

Method of Determination: Field visit

3. ☐ Delivery System Diagram Attached (not required for simple domestic).

☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).

☐ 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>
		2HP		Myers-submersible	1-1/4"

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>
NA						

2. Measurements: NA

E. FLOW CALCULATIONS

___N___ Additional Computation Sheets Attached

Measured Method:

A physical measurement is not required for a domestic water right. I did collect information at the site in order to conduct a hp theoretical estimate. 40' of lift based on application—no well log on file for this well.

$$8.8 \times 2 \times 0.7 / 40 + (2.31 \times 65) = 12.32 / 190.15 = \underline{0.06 \text{ cfs}}$$

I witnessed the pressure gage that measures the pressure that the well is directly encountering kick on at ~65 psi and kick off at ~95 psi. I asked the permit holder what the range is and he thought 30 psi to 60 psi. When I told him what the pressure gage was reading he was surprised and thought it might not be working. The range that was measured seems high so I will calculate a secondary hp theoretical estimate using the stated pressure.

$$8.8 \times 2 \times 0.7 / 40 + (2.31 \times 30) = 12.32 / 110 = \underline{0.11 \text{ cfs}}$$

The permit authorized up to 0.08 cfs for domestic and stockwater use and I think it can be justified given the above estimates.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

2. Volume Calculations for Other Uses: Domestic for 2 homes and irrigation of ½ acre total = 1.8 AF (0.6 x 3 based on department standards) and stockwater for 79 horses @ 12 gpd/animal for 365 days = 1.1 AF

Total = 2.9 AF

G. NARRATIVE/REMARKS/COMMENTS

FYI about 37-11534 (priority date 1930): There used to be an old farm house that burned down several years ago. Afterwards, the owner put a trailer house on the property. The well that serves the trailer is located directly to the east of the trailer in a wooden shed. The property owner didn't know anything about the well but knows that it has been around since the 1920s. The pressure reading at that well was 30 psi and has a ½ horse above-ground pump.

I confirmed that the well located in the photos below is the only well that feeds the two "homes" that this right authorizes. The homes consist of a barn that has a full home within it and an apartment that is located in the shop. The permit holder told me that the well is used for domestic and stockwater use only but does sprinkler the lawn immediately near the homes. He agreed that there was no irrigation that had been developed above and beyond right 37-4277 provides.

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	1/01 to 12/31	0.020 CFS	1.1 AF
DOMESTIC	1/01 to 12/31	0.060 CFS	1.8 AF

Totals: 0.080 CFS

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ☒ None

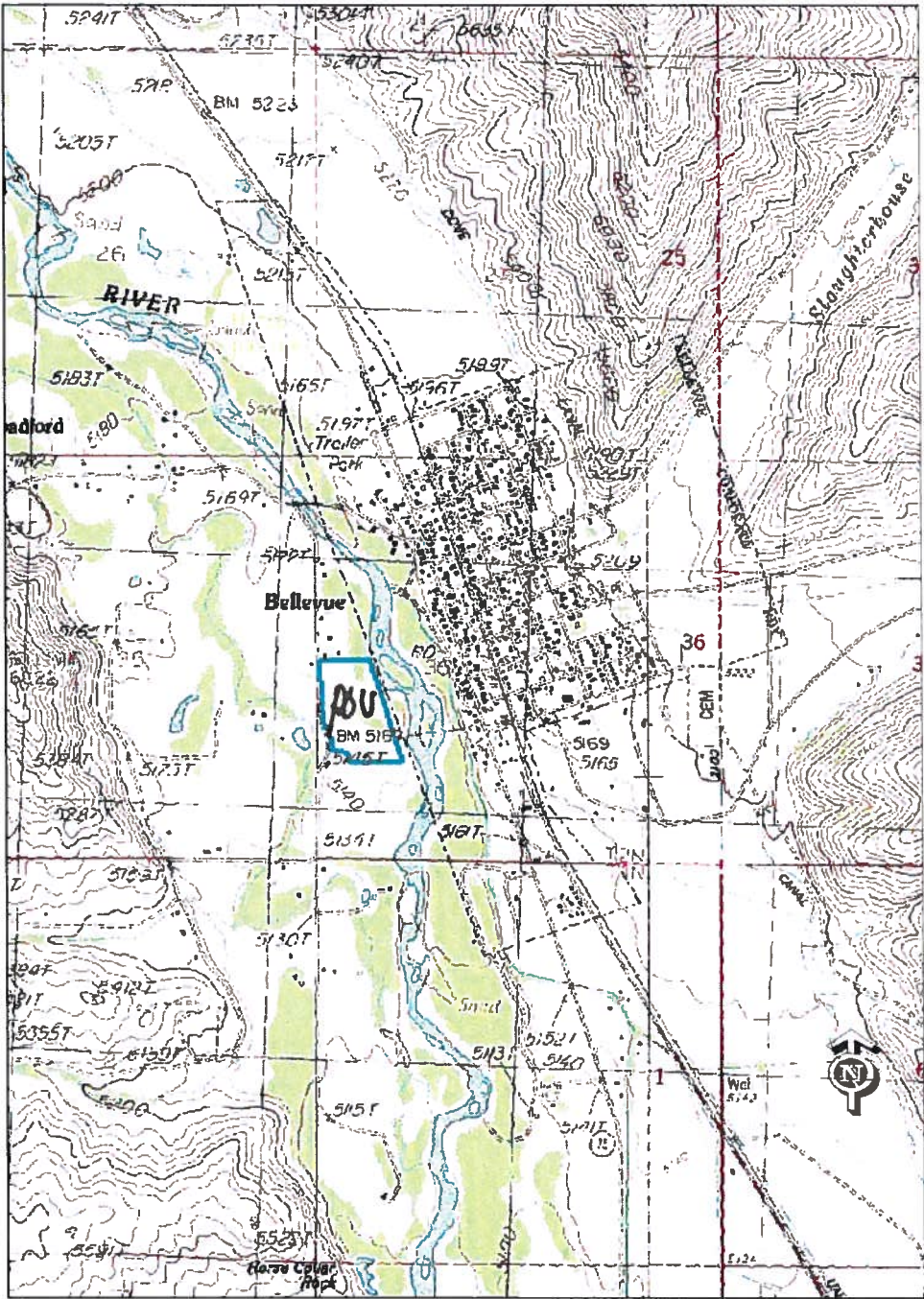
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

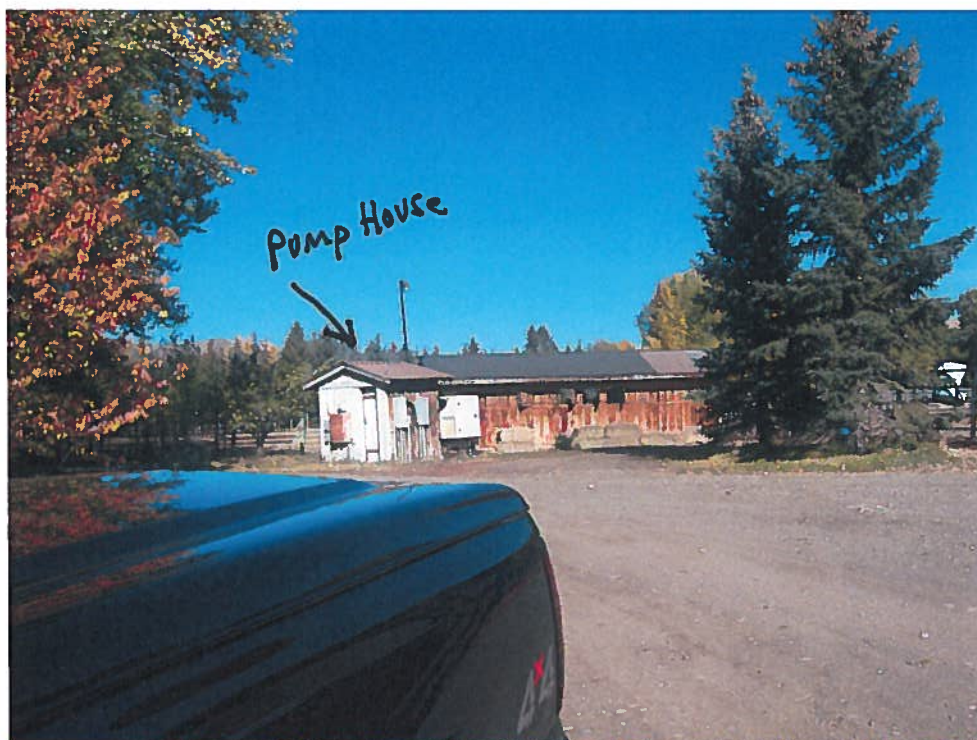
I. AUTHENTICATION

Field Examiner's Name Cheri Palmer Date 10/24/12

Reviewer _____ Date _____







The well is located
inside the pump
house.



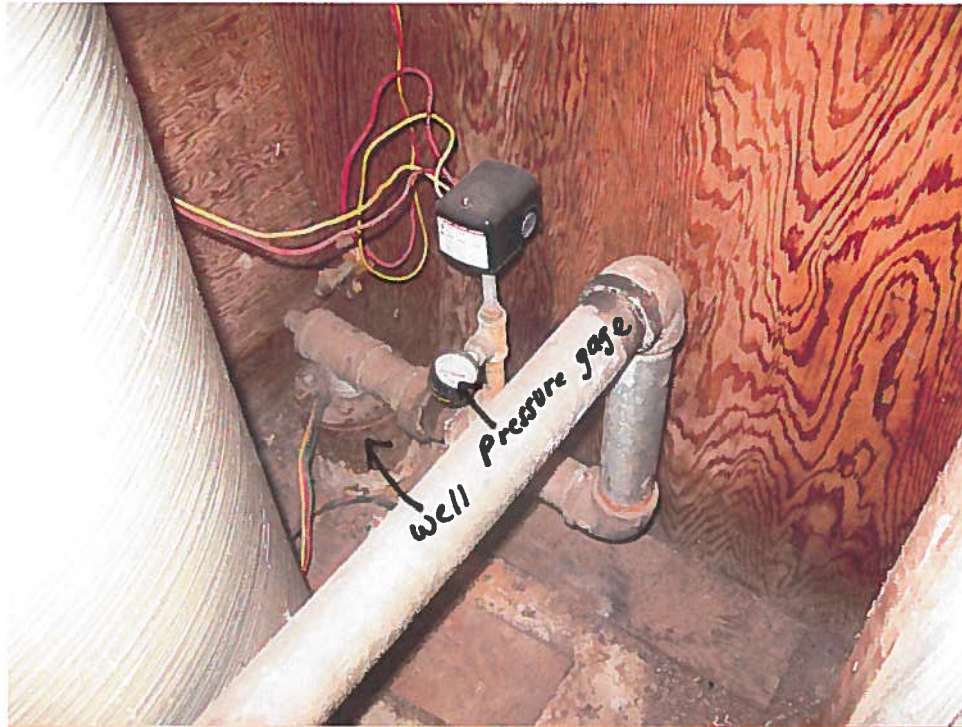
one of many
stockwater
tanks



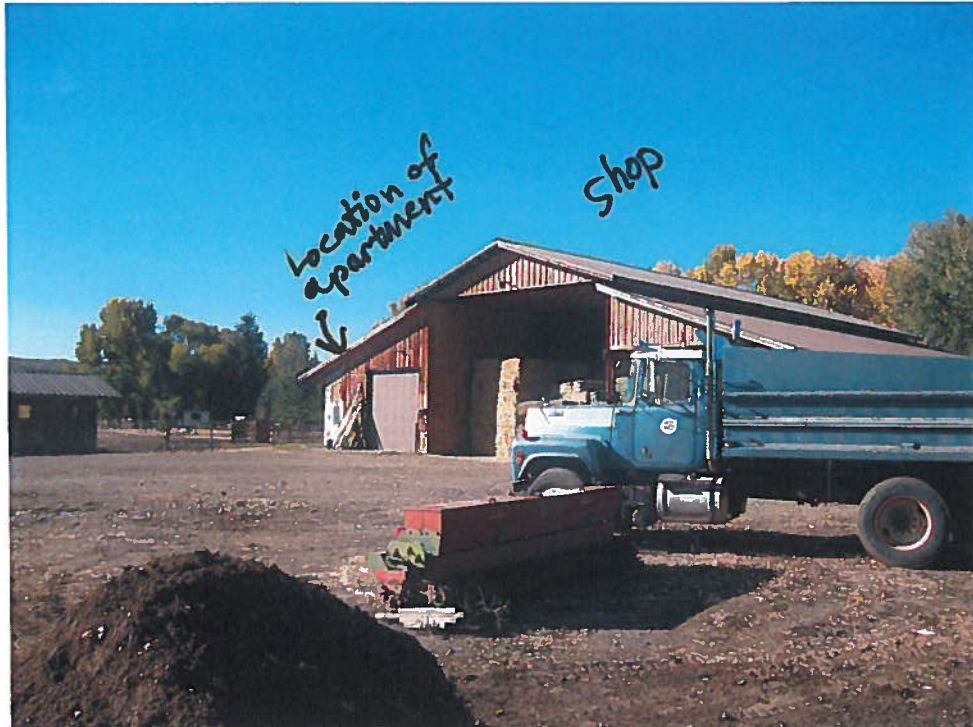
Stock tanks
have float
switches



Pressure tanks
in connection w/
domestic + stockwater



Pump info.



Front of barn,
the home is located
on the backside