

6/2013

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 65-13926

Prepared by VICKY MUSIC

Date 8-1-14

Same as permit Different than permit

Owner Name	☒	☐ _____
Owner Address	☒	☐ _____
Source	☒	☐ _____
Tributary	☒	☐ _____
POD	☒	☐ _____
POU	☐	☒ <u>POU not in NWSE - delete QQ</u>
Beneficial Use(s)	☐	☒ <u>delete stockwater use, domestic use - 3, not 4 houses</u>

Exam Fee Required for Permitted Rate \$50

Exam Fee Paid \$50

Overlaps ☐ No ☒ Yes, summarize 65-3262 - see memo

Amendment ☒ No ☐ Yes, summarize _____

Technical Confirmation Tools

ArcMap (Bing)	☒	GPS	☒
Taxlot	☒	Photos	☒
Well Log	☒	Diagrams	☒
Other	☐ explain: _____		

Conditions/Comments see memo attached

Exam Date Entered ☒

Draft License Created ☒

Shapes Updated ☒

MEMORANDUM

TO: LICENSING FILE NO. 65-13926
FROM: VICKY MUSIC
SUBJECT: FIELD EXAM
DATE: 8/1/2014
CC:

This permit qualifies for an in-house exam, according to the IWR administrative rules. However, I did an abbreviated exam to confirm uses and to GPS the location of the well. The permit issued for ground water for the internal domestic use in 4 homes, stockwater for up to 60 head of cattle, and the irrigation of 2 acres. Mr. Tritthart, the permittee, accompanied me on the field exam, conducted on 7/22/14. Field exam photographs are in the file.

The field exam confirmed that there are 3 homes on the property. House # 1 on the exam map in the file is Mr. Tritthart's residence. His is the only home plumbed for internal domestic. Internal domestic for the other two homes is from an old hand dug well in the southeast corner of the property. The house in the southeast corner of the property, house # 2 on the file map, is the original house, and there is a de minimus domestic right for the house, 65-3262, with a priority date of 1923, which is served by the old well. The third house, house # 3 on the file map, west of the original house, is also plumbed to the old well, but there is no water right appurtenant to this house.

Mr. Tritthart wants this right to provide backup domestic for houses # 2 and # 3, due to the age and construction of the old well. Mr. Tritthart says that he has not had stock in years, so the stockwater use should be deleted.

The POD is a 6" diameter well. GPS coordinates are N 43. 85466, W -116.61341. The well log is on file with IDWR. Mr. Tritthart did not remember the pump and motor specs or where the piping from the well was located. He said that the well is plumbed to the yards of houses # 2 and # 3 to allow them to irrigate with hoses, which he said that they do, and to provide backup domestic water, if needed. There was a diagram in the pump house of the piping to house # 1, and 2" diameter piping was plumbed out the pump house, but that is all that is known about the diversion system.

There is an error in the POU. The entire approximately 1.5 acre of irrigation is in the NESE, and the NWSE quarter-quarter should be deleted. In ArcMap it appears that a sliver of POU is in the SESE, but this QQ should not be added to the POU due to the slight misalignment of ArcMap layers that is known to occur.

The **DIVERSION RATE** to be recommended for licensing:

DOMESTIC:

1] the maximum flow through a 2" pipe is 0.11 cfs

2] The IDWR standard for internal domestic in 1 homes is 0.02 cfs x 3 homes = 0.06 cfs.

This is the rate recommended for the domestic component.

IRRIGATION: 1.5 acres x the IDWR standard of 0.03 cfs per acres = 0.045 cfs = 0.05 cfs, which is the flow recommended for licensing.

VOLUME CALCULATIONS:

1. Volume Calculations for Irrigation:

Vir = (Acres Irrigated) x (Irrigation Requirement) = 1.5 acres x 4.5 = 6.75 af = 6.8 af

Vdr = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = .05 cfs x 1.9835 x 265 days = 26.26 af

V = Smaller of Vir and Vdr = 6.8 af

2. Volume Calculations for Other Uses: INTERNAL DOMESTIC for 3 homes:

Vdr: .06 x 1.9835 x 365 = 43.4 af

Vir: IDWR standard of 0.6 af per home x 3 homes = 1.8 af = smaller of Vir and Vdr calculations.

TOTAL QUANTITIES RECOMMENDED FOR LICENSING:

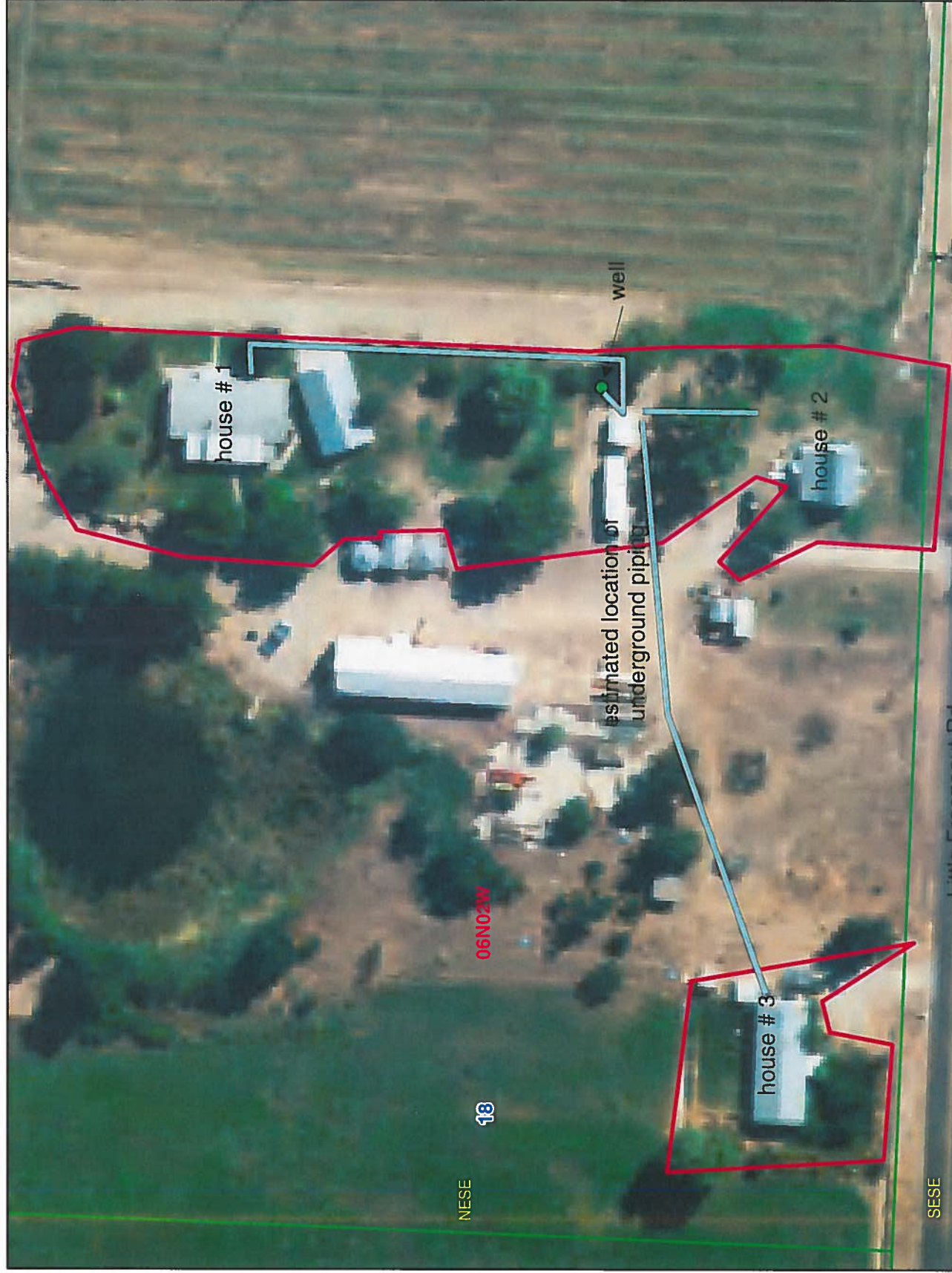
Diversion rate: 0.05 cfs for irrigation + 0.06 cfs for domestic = 0.11 cfs

Volume: 1.8 af domestic + 6.8 af for irrigation = 8.5 af

Conditions:

The domestic use condition should be replaced with 132: Domestic use is for 3 homes. Irrigation of lawn, garden and landscaping associated with the home is authorized under the irrigation component of this right.

A combined use condition should be added: Rights 65-13926 and 65-3262 when combined shall not exceed a total diversion rate of 0.06 cfs for domestic use.



65-13926. Primary internal domestic use for house # 1, backup domestic for houses # 2 and # 3. Location of mainline pipe is estimated. Photograph of irrigation system for house # 1 is in the file.

65-13926 Field exam photographs



POD is well. The IDWR tag was not seen, but according to the log, is tag # D0009180.



Piping in pump house located about 10 feet southwest of well.

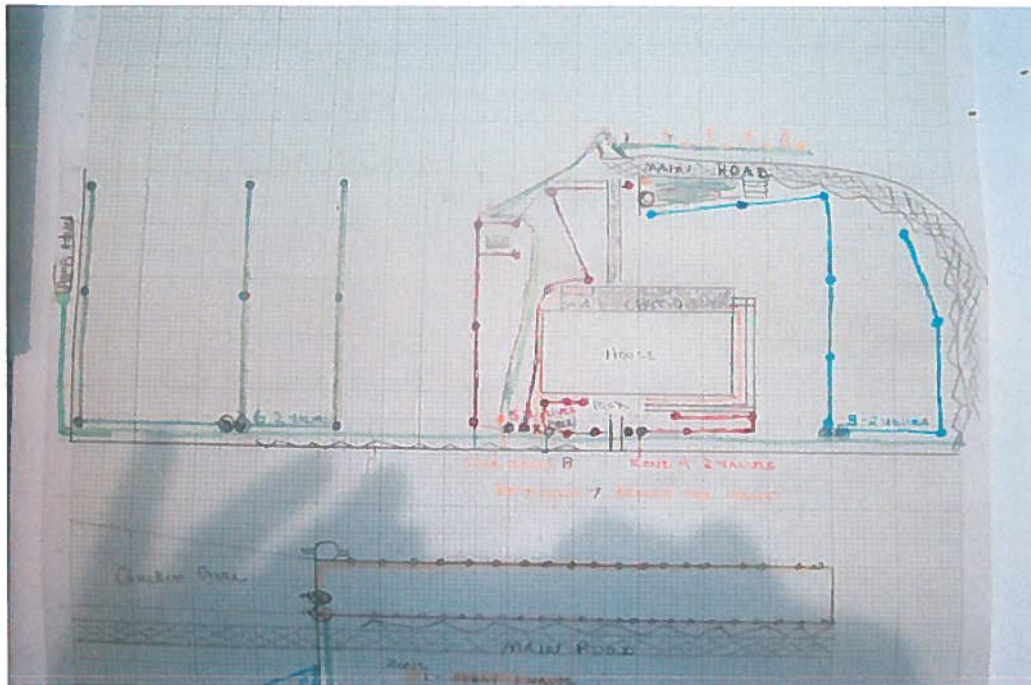


Diagram located in pump house of piping to house # 1.



House and yard # 1.



House and yard # 2. Domestic use is from an old hand dug well, water right no. 65-3262. This right will provide backup domestic. The residents irrigate from this well with a garden hose.



House and yard # 3. Internal domestic use is from the old hand dug well, though is it was not included in overlapping right 65-3262. This right will provide backup domestic. The residents irrigate from this well with a garden hose.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 8, 2014

DONALD AND CONNIE TRITTHART
TRITTHART TRUST
6400 W S SLOPE RD
EMMETT, ID 83617

Re Permit To Appropriate Water No. 65-13926

Dear MR AND MRS TRITTHART:

The permit referenced above was issued for 0.18 cfs from ground water for the internal domestic use in four homes, stockwater for approximately 60 range cattle, and 2 acres irrigation.

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.

Please have available at the exam someone familiar with the water use, the system and its construction, as well as the pump and motor specs.

Please call me at 208.334.2190, to set an appointment for the exam that I hope to conduct in May of 2014. Failure to respond to this letter request by **May 8, 2014**, 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