

7/2012

Hybrid

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 51-11662 Prepared by Wendy MURKIN Date 5-30-13

Same as permit

Different than permit

Owner Name	☒	☐	_____
Owner Address	☒	☐	_____
Source	☒	☐	_____
Tributary	☐	☐	_____
POD	☒	☒	<u>SWSE? verify w/ GPS</u>
POU	☐	☒	<u>3.4 acres 2.6 ac.</u>
Beneficial Use(s)	☒	☐	_____

Exam Fee Required for Permitted Rate \$ 50.-
Exam Fee Paid \$ 50.-

Overlaps ☐ Yes ☒ No

Technical Confirmation Tools

ArcMap (Bing)

☒

Govt Agency Records

Photo

☒

GPS ☐

Taxlot

☒

Photos ☐

Well Log

☒

Diagrams ☐

00018291

Other

☒ explain: hybrid PE: GPS well

Conditions/Comments well 106 tag # & POD several different from Arcmap.
Exam 5-9-13

Exam Date Entered 5-9-13 Draft License Created 5-30-13 Shapes Updated 5-30-13

MEMORANDUM

Date: May 30, 2013
To: Water Right File 57-11662
From: vmusic
Re: Field Report Narrative

The permit qualifies for an in-house exam per the beneficial use exam rules, however, I did a site visit to GPS the well and verify the location, due to a discrepancy between ArcMap and the permit legal description. The well is located less than 20 feet from the property line and the QQ line between the SWSE and the SESW QQs.

In ArcMap, the PLS and the taxlots do not align as they should with the aerial photo, and the well appears to be in the SWSE QQ. However, I verified that the well is located in the SESW QQ.

The well log is not in the applicant's name. I found it by searching the well tag D0018291, which is the tag number the applicant provided on the proof of b/u form. The log is in the name of Jack Anderson and it states that the use is domestic.

The POU is irrigation around the house and a vineyard. A portion of the POU appears in ArcMap to be in the SWSE, but it is all in the SESW QQ. The irrigation control box and drip lines to the vines were visible. The permit was issued for 4.5 acres of irrigation; however, only about 2.55 acres are irrigated. I recommend 2.6 acres be licensed.

Regarding the quantity, IDWR allows up to 0.03 cfs for small irrigation systems of up to five acres. Although this permit was issued for 0.02 cfs per acres, it is acceptable to issue the license for the 0.03 cfs per acre as long as the total permitted quantity is not exceeded. Therefore, I recommend a quantity of 0.08 cfs be licensed.

Volume was calculated using the two standard IDWR methods. $V_r = 2.6 \text{ acres irrigated} \times 4.5 \text{ afa} = 11.7 \text{ afa}$. $V_d = 0.08 \text{ cfs} \times 1.9835 \times 260 \text{ days in irrigation season} = 41.26 \text{ afa}$. The lesser volume of 11.7 afa is recommended for licensing.



Well with tag no. D0018291



Vineyard – part of POU



POU – irrigation around house



57-11662 - Bing 2011 photography. Well GPS coordinates: N 43.51841, W -116.80163

