

6/2013

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 63-12570

Prepared by VICKY MUSIC

Date 8-26-13

Same as permit Different than permit

Owner Name	☐	☒ <u>ASSIGNMENT PROCESSED & IN BACKFILE</u>
Owner Address	☒	☐ _____
Source	☒	☐ _____
Tributary	☒	☐ _____
POD	☒	☐ _____
POU	☒	☐ _____
Beneficial Use(s)	☒	☐ _____

Exam Fee Required for Permitted Rate \$50

Exam Fee Paid \$50

Overlaps ☒ No ☐ Yes, summarize _____

Amendment ☒ No ☐ Yes, summarize _____

Technical Confirmation Tools

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

Conditions/Comments SEE ATTACHED MEMO RE VOLUME

Exam Date Entered ☒

Draft License Created ☒

Shapes Updated ☒

MEMORANDUM

Date: August 26, 2013
To: Water Right File 63-12570
From: vmusic
Re: Field Report Narrative

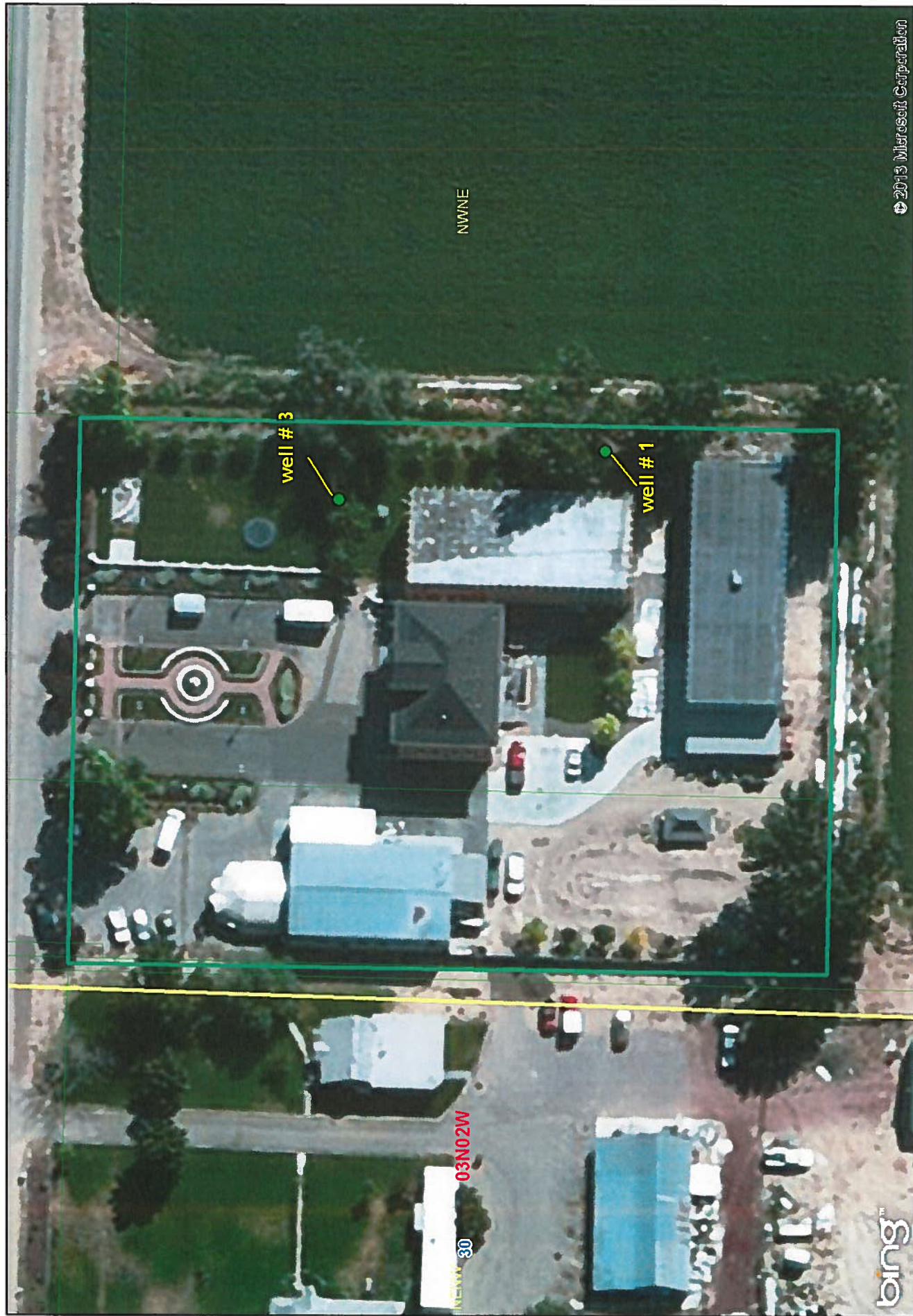
The two PODs are well nos. 1 and 3. Well no. 2 was abandoned with IDWR. The residential facility houses approximately 65 children, including disabled children, staff, counselors and volunteers, fulltime.

To determine the volume, I used an IDWR references sheet for non-irrigation uses. For institutions and boarding houses, the gallons used per day per person ranges from 75 to 125. I used the greater amount based on the nature of the facility.

$V_{dr} = 0.16 \text{ cfs} \times 1.9835 \times 365 \text{ days} = 115.8 \text{ af}$.

$V_{ir} = 65 \text{ people} \times 125 \text{ gpd} \times 365 \text{ days per year} / 325850 = 2965625 / 325850 = 9.1 \text{ af} + 2.25 \text{ af for the } 0.5 \text{ acre of irrigation} = 11.35 \text{ af} = 11.4 \text{ af}$.

Lesser of the 2 calculations is 11.4 af, the volume recommended for licensing.



63-12570 -- 2011 Bing Photography. The 2 PODs [wells] are shown. The place of use is outlined in blue.