

ON-OFFICE BENEFICIAL USE FIELD REPORT

Permit No. 63-33111 Date 7-22-16 Examiner: D. Merriman/ A. Grimm

Name/Address Same Taxlot / S.O.S. record: Taxlot
 Source Same Does change clarify original intended source? If not, void permit.
 Nature of Use Irrigation, domestic
 Season of Use 3/1 to 11/15, 1/1 to 12/31
 Point of Diversion T01N R01W Sec 5 (NWNE) Lt 2
 Place of Use T01N R01W Sec 5 (NWNE) Lt 2

Overlap Review POD Right(s) No rights (permits 63-33112, 63-33113, 63-33114, 63-33645)
 Worksheet Attached ☐ POU Right(s) No rights (permits 63-33112, 63-33113, 63-33114, 63-33645)

Diversion Rate Permitted Rate 0.11 cfs
 BU Fee Limit 0.20 cfs BU Standard Limit .09 cfs (2.9 acres x 0.03 cfs)
 Recommended Total Div Rate 0.09 cfs

Annual Volume

for Irrigation: 0.09 cfs x 1.9835 x 260 days = 46.4 af
2.9 acres x 4.5 af/ac (FHR) = 13.1 af
 Smaller of two volumes = 13.1 af
 for other uses:
Domestic: 0.06 cfs x 1.9835 x 360 days = 42.8 af or 2 homes x 0.6 af/home = 1.2 af

Recommended Amounts

Beneficial Use	Season of Use	Diversion Rate	Annual Volume
Irrigation	3/1 to 11/15	0.09 cfs	13.1 af
Domestic	1/1 to 12/31	0.06 cfs	1.2 af
Totals		<u>0.09</u> cfs	<u>14.3</u> af

Amendments Required ☐ Change P.D. ☐ Add P.D. ☒ None
☐ Change P.U. ☐ Add P.U. ☐ Other: _____

Conditions:

-X60: POU located in Lot 3 & 4

Remarks:

- Irrigates with 4 lines at a time, one sprinkler head every 40 feet. Sprinklers are 30 ws 1/8 inch nozzles.
- Well can pump 120 gpm according to applicant. Did not run the pump during exam because of electrical issue.
- Electricity meter #12 096 385

Workflow

Exam Date Entered X
 POU/POD shapes X
 Combined Rights Entry X
 Wild & Scenic Entry N/A
 Draft License and Map X
 Other: _____

Supporting Documents

Historical Imagery N/A Well Log X
 Photographs X Diagrams X
 LandSat N/A Theoretical N/A
 Other: On site visit

MEMORANDUM

TO: 63-33111 Flood File
FROM: Danie Merriman (Western)
DATE: July 25, 2016
RE : Beneficial Use Licensing Exam

On July 22, 2016, Danie Merriman and Angie Grimm conducted a field exam for Mr. Robert Flood in Melba, Idaho. Although the permit for 3.5 acres of irrigation and 0.06 cfs for domestic constitutes an in-office exam, a field exam was conducted on the request of the applicant. Mr. Flood recently completed his beneficial use and wished to have an expedited license. The available aerial photography and LandSat data may not be as current as his beneficial use, requiring an in-person visit. The following information was gathered at the field exam.

Place of Use: Although one of the conditions of the permit states that the irrigation and domestic uses will take place in Lots 2 and 3 of the Waldvogel Acres Subdivision, it was determined that the uses were actually being made in Lots 3 and 4. Mr. Flood confirmed that four rows of hand lines run 380 feet north from the road towards the pump house. There is one sprinkler nozzle every 40 feet on each of the hand lines. The total length of the tax lot is approximately 530 feet long. Based on the length of the hand lines, only a portion of the tax lots are irrigated (approximately 71%.) 71% of the 4.0 acres requested leaves approximately 2.9 acres of irrigated land to be approved on the license. It is recommended that the license approve 2.9 acres of irrigation on lots 3 and 4.

Although no houses have yet been built, two stubs are installed near the well to allow for control to potential homes. The license should be approved for the internal use of two homes.

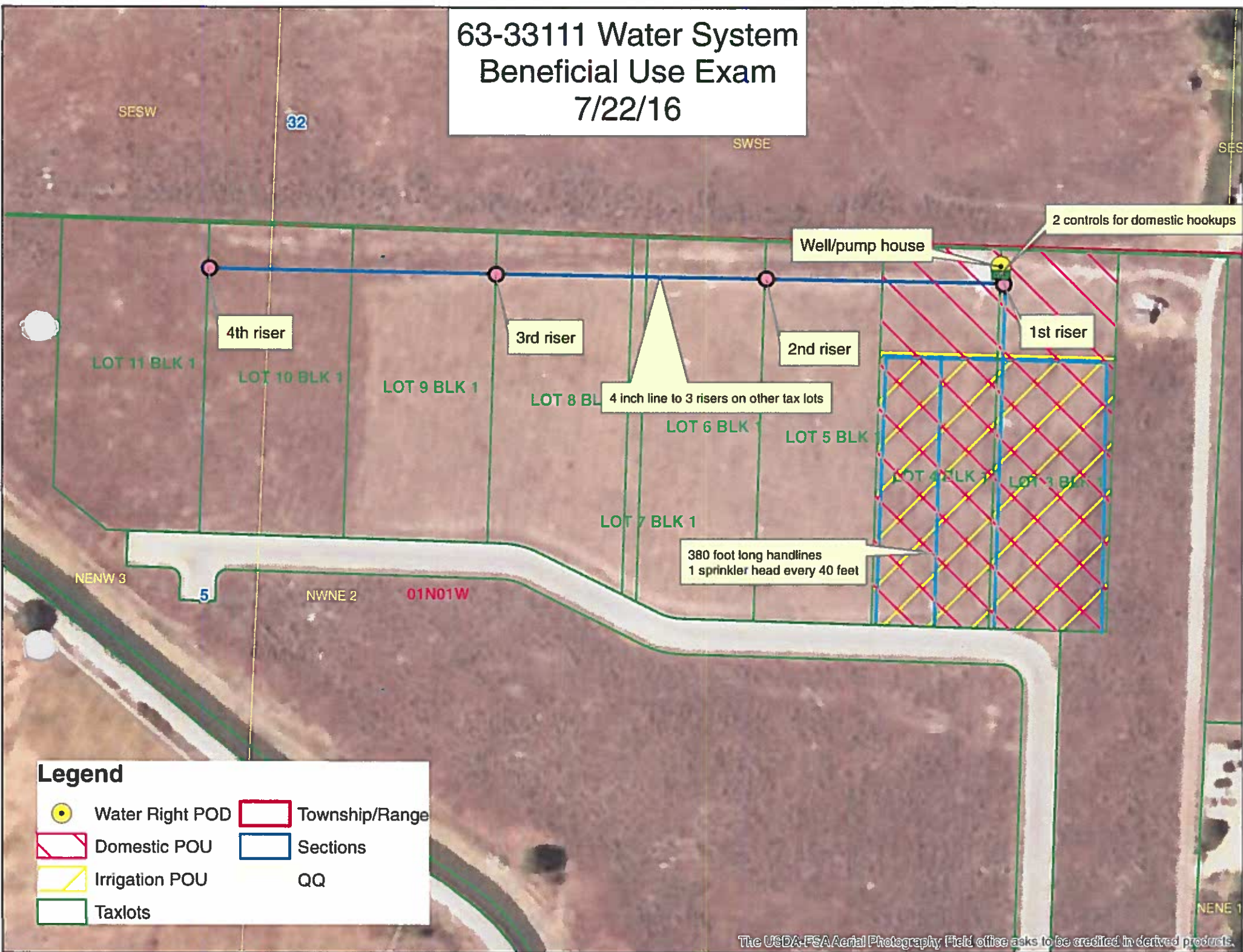
Although tax lots five through eleven were also evaluated during the exam and are shown in the attached photographs document, they will not be included with the licensing of 63-33111. No beneficial use has been submitted for 63-33112, 63-33113, and 63-33114. These tax lots will be assessed when proof of beneficial use is submitted for the other permits before the deadline of May 2017.

Quantity: The original permit allows for 0.11 cfs of water to be diverted for the irrigation of 3.5 acres. The exam found that only 2.9 acres are being irrigated. $2.9 \times 0.03 \text{ cfs} = 0.09 \text{ cfs}$. It is recommended that 0.09 cfs is approved for irrigation.

Although no water is currently being used for domestic homes, there are stubbed control valves for the development of two new homes when they are built. It is recommended that the license approves 0.06 cfs for domestic use of two homes.

Point of Diversion: The permit approved up to four wells for irrigation and domestic use. Only one well was drilled at the time of the licensing exam. One well in T01N R01W Sec 5 NWNE2 should be approved on the licensing. This well, D0069038, was drilled under a \$75 start card and requires a \$125 well upgrade fee to account for the irrigation portion of the right. This fee will be requested from the permit holder.

63-33111 Water System Beneficial Use Exam 7/22/16



State of Idaho
Department of Water Resources
Beneficial Use Exam Photographs
63-33111

Danie Merriman
July 22, 2016



1. Well tag #
D0069038

Coordinates:
N 45.27.551
W -116.28.789



2. Well head in front
of pump house



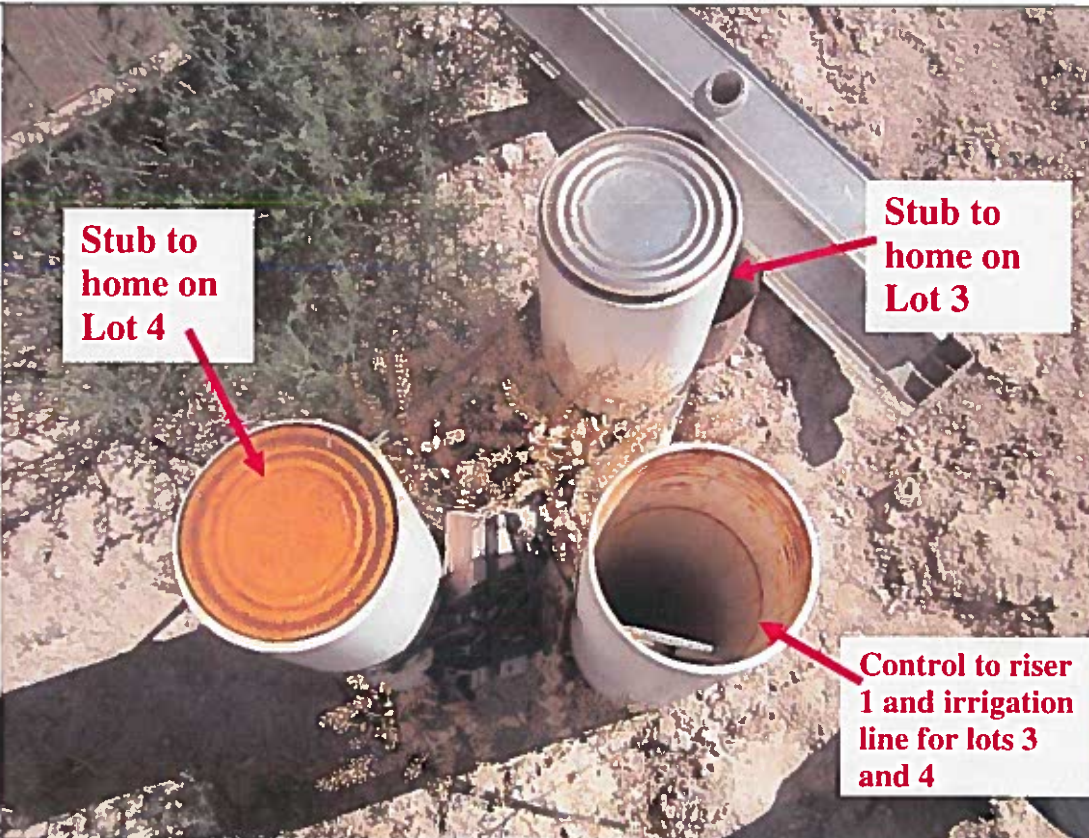
3. Pump control in pump house



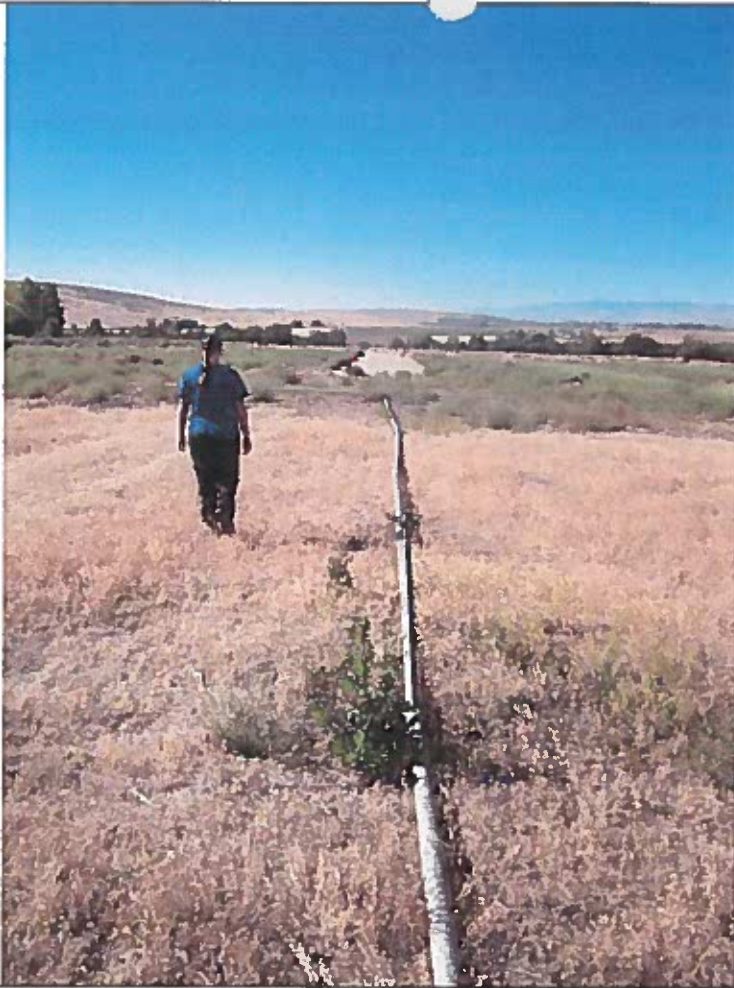
4. Schematics on pump system. Applicant says pump is able to produce 120 gpm



5. First riser connecting well to lots 3 and 4.



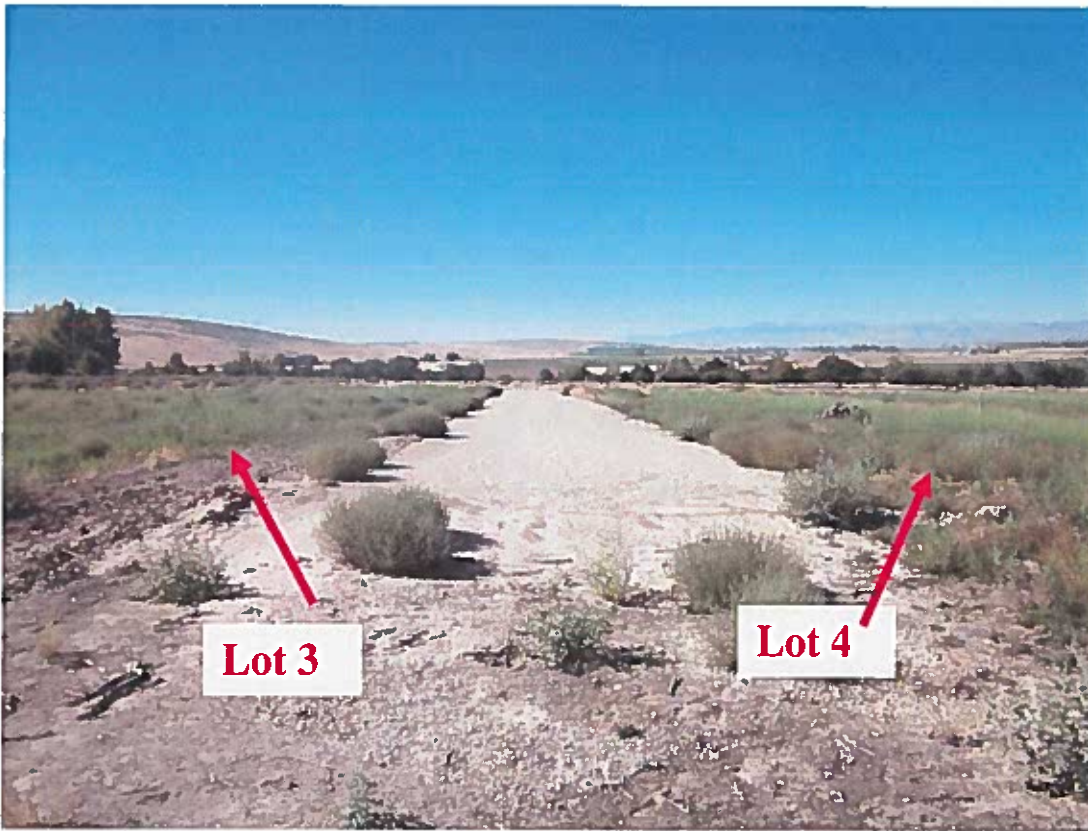
6. Stubs for two domestic homes next to pump house.



7. Sprinkler line from riser #1 to lots 3 & 4.



8. Sample sprinkler head. 30WS, 1/8 inch nozzle sprinkler heads. 4 lines run at one time with one sprinkler head every 40 feet.



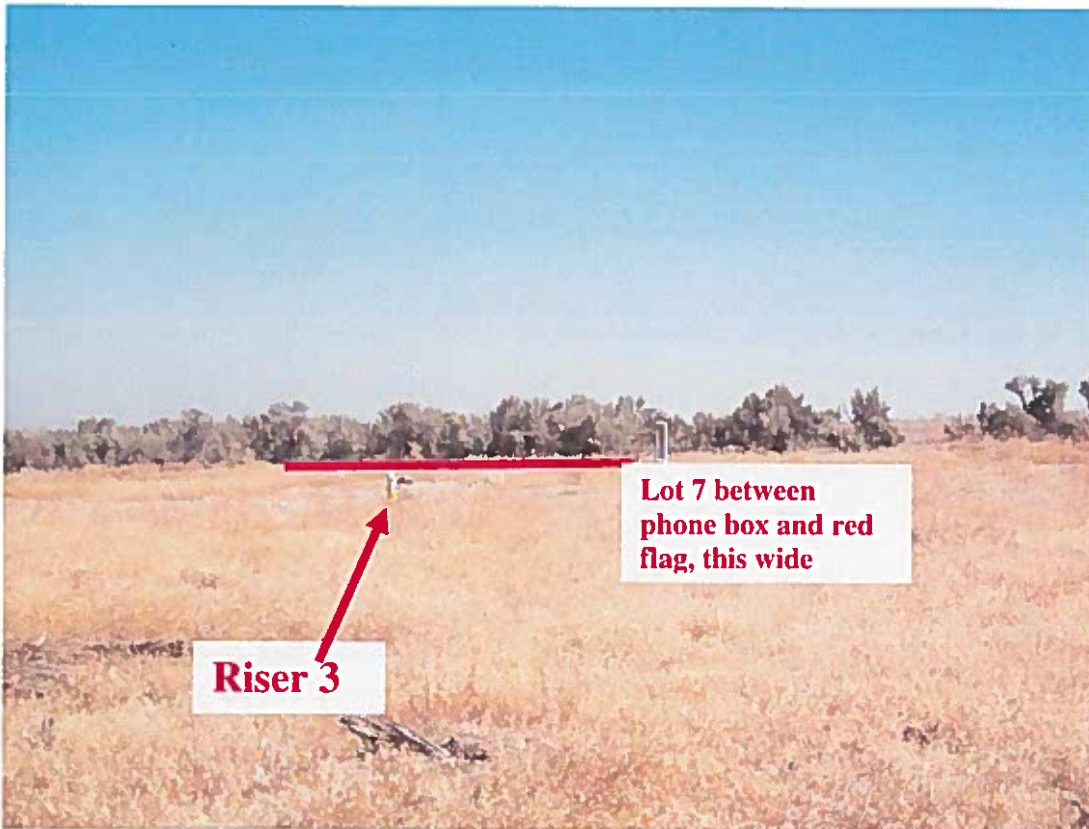
9. Irrigated Lots 3 and 4 with driveway down the middle.



10. Lot 5 (approximately 60% covered)



11. Lot 6
(approximately 80%
covered)



12. Lot 7 (open space)
not to be irrigated.
Riser # 3.



13. Lot 8
(approximately 60% covered)



14. Lot 9
(approximately 80% covered)



15. Lot 10
(approximately 20%
covered)



16. Lot 11
approximately 40%
covered)

17. Riser #2



Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0069038

Drilling Permit No. 0108900-874957

2. OWNER

Name Flood, Robert

Address 126 W. Thornberry Ct.

City Boise State ID Zip 83702

3. WELL LOCATION:

Twp 1 North ☒ or South ☐ Rge 1 East ☐ or West ☒

Sec 5 NW 1/4 NE 1/4 160 acres

Gov't Lot _____ County Ada

Lat 43° 27.550 (Deg and Decimal minutes)

Long 116° 28.788 (Deg and Decimal minutes)

Address of Well Site 3/4 of Mile E. on Murphy Rd.

City Kuna

Lot 1 Blk 1 Sub Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Replacement well ☐ Modify existing well

☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

Seal material	From (ft)	To (ft)	Quantity (lb or ft ³)	Placement method/procedure
Chips	0	50	1500 lbs	Poured

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
6"	+2	418	.250	Steel	☒	☐	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 418

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson

Method of installation Washed in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
420"	430"	.20		5"	Stainless	.304
430	440	.25		5"	Stainless	.304

Length of Headpipe 17' Length of Tailpipe Plate w/valve

Packer ☒ Y ☐ N Type Western Rubber fig. K double rubber

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lb or ft ³)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 230' Static water level (ft) 240'

Water temp (°F) 61 Bottom hole temp (°F) 61

Describe access port Sanitary Well Cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
410'	80	60

Test method:

Pump ☐ Baler ☐ Air ☒ Flowing artesian ☐

Water Quality test or comments:

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp	Water Y	N
10"	0	2	Top Soil		X
10	2	5	Hard Pan		X
10	5	8	Clay		X
10	8	33	Lava Rock		X
10	33	36	Cinders		X
10	36	50	Lava Rock		X
8"	50	56	Soft Lava		X
8	56	102	Lava Rock		X
8	102	104	Soft Lava		X
8	104	140	Lava Rock		X
8	140	150	Cinders		X
8	150	165	Clay & Sandstone Strips		X
8	165	168	Cemented Gravel		X
6"	168	185	Cemented Gravel		X
6	185	215	Sticky Brown Clay		X
6	215	230	Sand/Strips of Clay		X
6	230	260	Sand/clay strips	X	
6	260	320	Sand	X	
6	320	325	Sticky Brown Clay		X
6	325	330	Coarse Sand	X	
6	330	332	Sticky Clay		X
6	332	335	Sandstone		X
6	335	340	Coarse Sand	X	
6	340	385	Sand & clay Strips	X	
6	385	393	Sand 40 GPM	X	
6	393	397	Brown Clay		X
6	397	405	Sand 60 GPM	X	
6	405	407	Clay		X
6	407	410	Sand 70 GPM	X	
6	410	420	Brown Clay		X
6	420	440	Sand(Screen 20 slot /25 slot 80 GPM)		

Completed Depth (Measurable) 440'

Date Started 4/10/2015 Completed 5/5/2015

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Can-Ada Well Drilling & Pump Co No 304

*Principal Driller Earl Skinner Date 6/2/2015

*Driller _____ Date _____

*Operator II Brad Skinner Date 6/2/2015

Operator I _____ Date _____

*Signature of Principal Driller and rig operator are required

RECEIVED

JUN 08 2015

WATER RESOURCES
WESTERN REGION



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

August 9, 2016

ROBERT FLOOD
126 W THORNBERRY CT
BOISE, ID 83702

Re: Licensing of Water Permit 63-33111

Dear Mr. Flood,

This letter is in regards to the field exam that was conducted on tax lots 3 and 4 of the Waldvogel Acres Subdivision on July 22, 2016.

During the exam, it was determined that tax lots three and four contain a total of four hand lines that run approximately 380 feet north of the subdivision road. The total length of these tax lots is 530 feet, approximately 150 feet longer than the area that is irrigated. This means that approximately 71% of the total tax lot area is actually irrigated. This comes to 2.9 acres of irrigation. The area of land north of the hand lines and south of tax lot boundary is not credited with irrigation because no water has been applied there. Each tax lot is two acres in size for a total of four acres. The license will approve 2.9 acres (approximately 1.45 acres per lot), meaning approximately 0.55 acres per tax lot will not be covered for irrigation upon approval.

Additionally, further action is required regarding your well. According to the records of Idaho Department of Water Resources (IDWR), your well was drilled in 2015 under a \$75 domestic well drilling permit. A \$75 drilling permit covers a well that does not require water right approval from IDWR. This is typically a single-family domestic well.

Use from your well does require water right approval, and your water right permit authorizes that approval. The well drilling fee for a well requiring a water right is \$200 instead of \$75. Per Well Construction Standards Rules (IDAPA 37.03.09.045.05.b), IDWR must collect the unpaid balance of \$125 for a well drilled under those circumstances.

Please remit \$125 to upgrade your well drilling permit within the next thirty days to facilitate processing of your water right license. Your right will not be licensed without the well drilling upgrade fee.

IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please contact me at 208-334-2190 if you have any questions. Thank you for your attention to this matter.

Sincerely,

Danie Merriman
Water Resource Agent, Senior
IDWR, Western Region

Enclosed: Copy of draft license with map