

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34060
Exam Date: 6/7/2018

1. Current Owner:
MIYASAKO FARMS LLP PO BOX 1060 HOMEDALE ID 83628-1060 (208) 337-3003
2. Accompanied by: Dan Miyasako
Phone No: Same
Address: Same
Relationship to Permit Holder: Partner

3. **SOURCE:**
GROUND WATER

TRIBUTARY:

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Surface water shares (Nampa & Meridian)
2. Other water rights with the same point-of-diversion: 63-33759

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼NE¼ Sec. 2, Twp 03N, Rge 04W, B.M. CANYON County

Method of Determination: GPS, well report, previous Dept. interpretation of location from field exam for right 63-33759

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	04W	2	40.0 L 1			40.0									4.9				84.9

Total Acres: 84.9

Method of Determination: Aerial imagery, digital PLS mapping

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

☒ Indicate weir size/pipe as applicable.

☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).

☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Tag No. D0064443	Twin Disc	100	2101365		8" pipe

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
	In-line flow meter	Master Meter	Octave	26517703	8"	

2. Measurements: In line flow meter read 1000- 1200 gpm during exam. The max reading was not at full throttle but the owner says that at around 1200 gpm the drawdown in the well increases drastically and limits the amount of water that can be pumped.

E. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

System capacity: 1200 gpm = 2.67 cfs**Permit:** 1.72 cfs**Exam Fee Rate:** 2.00 cfs**BU Standard:** 84.9 acres x 0.02 cfs/acre = 1.70 cfs (recommended)**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 84.9 \text{ acres} \times 4.5 \text{ afa/acre} = 382 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.70 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 877 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 382 \text{ afa}$$

2. Volume Calculations for Other Uses:

No other uses

G. NARRATIVE/REMARKS/COMMENTS

This permit authorizes the diversion of 1.72 cfs groundwater to irrigate 87 acres. Proof was submitted April 11, 2016. I completed this field exam on June 7, 2018.

The point of diversion is a 16-inch, 353 ft deep well with metal tag no. D0064443. GPS coordinates for the well are N43°37'30.2" by W116°46'56.7". The well report gives the location of the well in the SWNE of Sec 02, T03N, R04W, B.M. The current PLS spatial layer shows the well located in the NWSE of the same section rather than the SWNE. There is a corrected location printed on the well report. However, right 63-33759 licensed use of the same well in the SWNE. Patrick Kelly, examiner for 63-33759, explained that it appears the digital boundaries of the spatial layer are distorted due to the government lots located in the section. I have chosen to use the same description as the previous examiner for consistency. The change on the license is a clarification for consistency which will not require an amendment.

Water is diverted from the well using a 100-hp diesel engine connected to a turbine pump. The water passes through an 8" line with an open discharge to the ditch system. Water is conveyed through the open ditches to the places of use for water rights 63-33759 and 63-34060.

The 8" line has an in-line Octave flow meter which was used to measure flow during the field exam. The meter read a maximum of 1100 gpm during the exam. The owner says they can get up to 1200 gpm from the system, which seems reasonable based on my observations during the exam. At around 1200 gpm, the drawdown in the well increases drastically, limiting the diversion rate. The 1200 gpm (2.67 cfs) is not sufficient to provide the full flow authorized by both overlapping rights. A combined use limit is added to this right to describe the capacity of the well.

Groundwater is used supplementally under this right when surface water from the Nampa Meridian District is not available. Existing supplemental conditions are to be replaced with updated condition 943. There are no other rights authorizing irrigation of the place of use.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

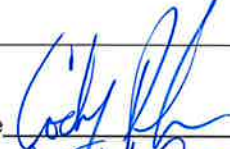
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/01 to 11/15	1.70 CFS	382 AF
	<u>Totals:</u>	1.70 CFS	382.AF

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above X None

____ Change P.U. as reflected above ____ Add P.U. as reflected above x None

I. AUTHENTICATION

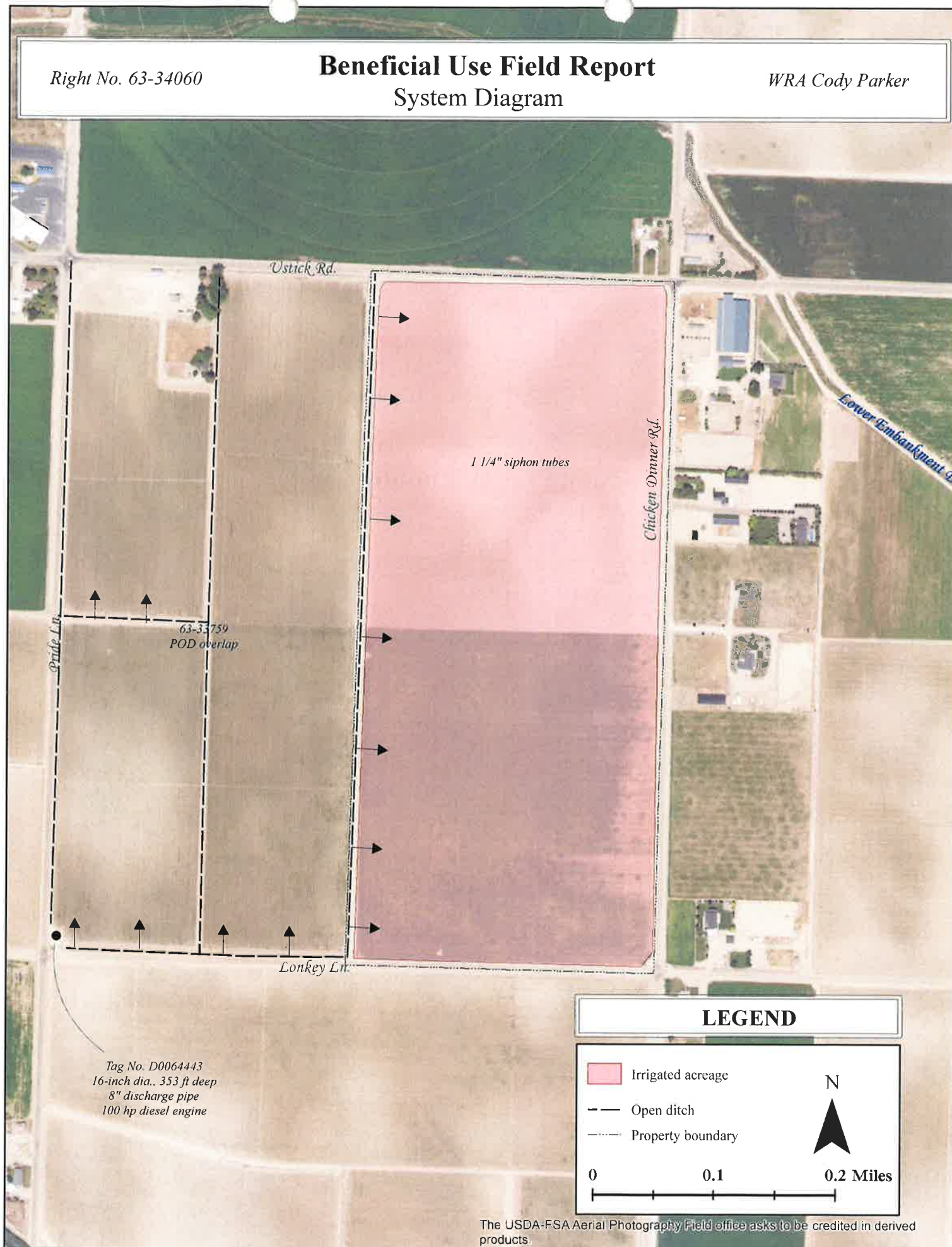
Field Examiner's Name  Date 0/18/18

Reviewer  Date 0/18/18

Right No. 63-34060

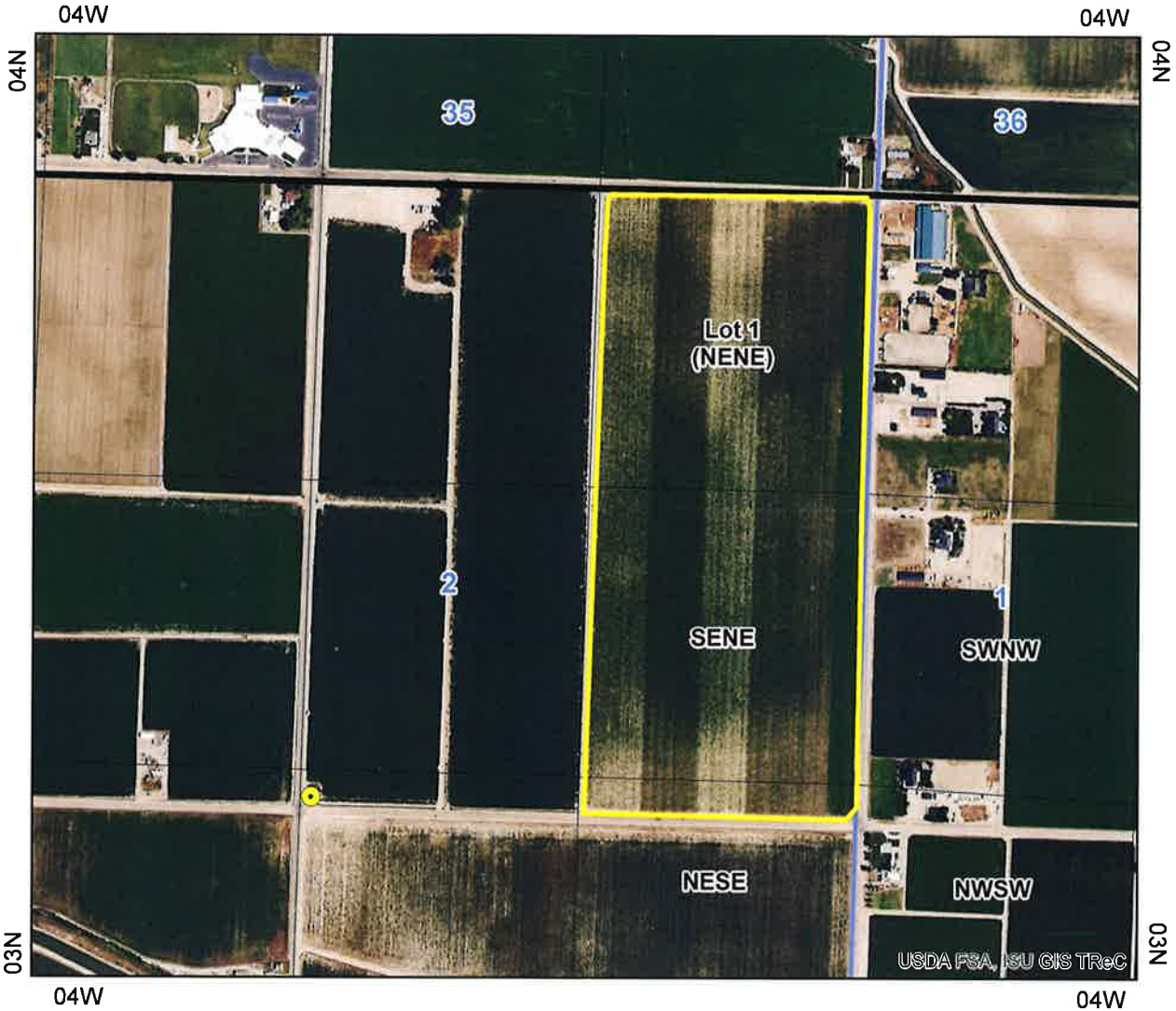
Beneficial Use Field Report System Diagram

WRA Cody Parker



State of Idaho
Department of Water Resources
Beneficial Use Field Report
63-34060

IRRIGATION



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment



Figure 1 Metal Tag No. D0064443



Figure 2 Turbine pump driven by diesel engine used to divert water from the well. 8" discharge line.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment



Figure 3 Diesel engine used to drive the turbine pump.



Figure 4 8" line open discharge to open ditches to irrigate under this right and 63-33759

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment



Figure 5 Octave flow meter used to measure flow during the field exam.



Figure 6 The place of use includes 84.9 acres irrigation west of Chicken Dinner Rd. between Lonkey Ln. and Ustick Rd.

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Location Corrected by IDWR To:
T03N R04W Sec. 2 NWSE
By: mgregory 2014-02-10

1. WELL TAG NO. D 0064443

Drilling Permit No. 962380 - 868439 ✓

Water right or injection well # 63-33759

2. OWNER: ROWN FARMS LLC

Name _____

Address P.O. BOX 300

City PARMA State ID Zip 83660

3. WELL LOCATION:

Twp. 03 North ☒ or South ☐ Rge. 04 East ☐ or West ☒

Sec. 02 1/4 SW 1/4 NE 1/4

Gov't Lot _____ County Canyon

Lat. 43 37.504 (Deg. and Decimal minutes)

Long. 116 46.945 (Deg. and Decimal minutes)

Address of Well Site At the intersection of Pride Ln and Lonky

Ln City Caldwell

Lot _____ Blk. _____ Sub. Name _____

4. USE:

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

☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well

☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other Reverse

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
3/4" Bentonite	0	94	10,000	Dry pour
Neat Cement	94	185	243 ft ³	Pump

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Linear	Threaded	Welded
16	+2	244	.375	Steel	☒	☐	☐	☒
16	274	324	.375	Steel	☒	☐	☐	☒
16	334	338	.375	Steel	☒	☐	☐	☒
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson Wire Wrap

Method of installation One string set

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
244	274	.025		16	S.S.	
324	334	.025		16	S.S.	
338	348	.025		16	S.S.	

Length of Headpipe _____ Length of Tailpipe 5' w/plate

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
#6x9 Sand	185	234	4,500 lbs	Dry pour
#8x12 Sand	234	375	30,000 lbs	Dry pour

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) 73' Static water level (ft) 73'

Water temp. (°F) 66° Bottom hole temp. (°F) 73°

Describe access port 2" pipe on side

Well test:			Test method:			
Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
77	540	154	☒	☐	☐	☐
			☐	☐	☐	☐

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
24	0	5	Top Soil		X
24	5	17	Caliche		X
24	17	26	Brown sticky clay		X
24	26	48	Fine-med brown sand		X
24	48	61	Brown clay		X
24	61	86	Fine-med sand, gravel	X	
24	86	102	Brown clay		X
24	102	110	Med-coarse brown sand	X	
24	110	122	Brown clay		X
24	122	137	Fine brown sand	X	
24	137	247	Blue clay		X
24	247	272	Fine-med blue sand	X	
24	272	309	Blue clay		X
24	309	312	Fine-med blue sand	X	
24	312	331	Blue clay		X
24	331	334	Fine-med blue sand	X	
24	334	340	Blue clay		X
24	340	348	Fine-med blue sand	X	
24	348	605	Blue clay		X

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JAN 17 2014

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 353'
Date Started: Jun 26, 2013 Date Completed: Oct 22, 2013

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 RIVERSIDE INC Co. No. 333

*Principal Driller _____ Date 11/12/13

*Driller _____ Date _____

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Pump @ 300 ft.

BasinSeq	Owner	Source	Use

Surface water shares, irrigation overlap

DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

03N04W2

Basin/Seq. Owner Source

63-11674 SCROGGI GROUND WATER
 63-16562 SCROGGI GROUND WATER
 63-22219 HUSTON GROUND WATER
 63-22220 HUSTON GROUND WATER
 63-2413A IDAHO FI GROUND WATER
 63-2413B KNAPP, G GROUND WATER
 63-25878 TALKING GROUND WATER
 63-25885 TOFT, HO GROUND WATER
 63-27148 ANDERS(GROUND WATER
 63-29035 WEST ON GROUND WATER
 63-33759 ROWN FA GROUND WATER
63-34060 MIYASAI GROUND WATER

NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
									X						
	X							X							
											X				X
											X				
									X						
							X								
				X											
											X				
		X													
		X													



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

April 2, 2018

MIYASAKO FARMS LLP
PO BOX 1060
HOMEDALE ID 83628

RE: Water right permit no. 63-34060

Dear Permit Holder:

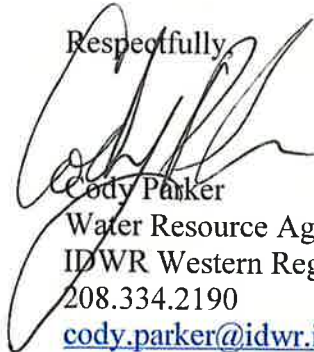
We are planning to conduct water right examinations in the vicinity of the permit referenced above **this season**. An examination is needed to verify the water use in order to issue a water right license.

The details of the permit referenced above can be found in the enclosed water permit report. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but you have ceased using the water and have no further interest in pursuing a water right, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

Please contact me within the next thirty (30) days at 208-334-2190 to either schedule an examination or submit a relinquishment form. If you do not make a timely response in this regard, action will be taken to void the permit.

Respectfully,



Cody Parker
Water Resource Agent
IDWR Western Region
208.334.2190
cody.parker@idwr.idaho.gov

Enclosed: Water right report and map
Relinquishment form