SPF WATER ENGINEERING

February 14, 2017

RECEIVED
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DEPARTMENT OF WATER RESOURCES

Shelley Keen
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Subject: *Annual Monitoring Report for Permits 63-32680, 63-33207, 63-33296, and 63-34038*

Dear Shelley:

Enclosed please find one copy of the 2016 monitoring report for permits 63-32680, 63-33207, 63-33296, and 63-34038.

This report presents the third year of monitoring under permits 63-32680 and 63-33296.

This report presents the first year of monitoring under permits 63-33207 and 63-34038. These permits share some of the same diversion points as permits 63-32680 and 63-33296, so it made sense to combine the monitoring data into a single comprehensive report.

Please contact me with any questions.

Sincerely,

Terry M. Scanlan, P.E., P.G.

Enclosure

Cc: Vic Conrad – J.R. Simplot Company
Ann Vonde, Deputy Attorney General – Attorney for Idaho Department of Corrections
Michael Lawrence, Givens Pursley – Attorney for United Water Idaho

300 E. Mallard Drive, Suite 350, Boise, Idaho 83706 Tel: 208-383-4140 Fax: 208-383-4156

2016 MONITORING REPORT FOR WATER RIGHT PERMIT NOS. 63-32680, 63-33207, 63-33296, AND 63-34038

Prepared for

Vic Conrad
JR Simplot Company
P.O. Box 27
Boise, ID 83701

Prepared by

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300 East Mallard, Suite 350
Boise, Idaho 83706
(208) 383-4140

February 2017

SPF WATER ENGINEERING

Executive Summary

Permits

1. Water right permits 63-32680 and 63-33296 authorize irrigation of up to 784 acres, with a combined maximum diversion rate of 11.76 cfs (5,278 gpm) and a maximum annual diversion volume of 3,528 acre feet (4.5 acre feet per acre).
2. A condition of water right permits 63-32680 and 63-33296 is compliance with an approved monitoring plan. The monitoring plan requires monitoring of water levels and pumping volumes, and includes specific requirements for monitoring equipment at a dedicated monitoring well and at each supply well. An annual monitoring report must be submitted before April 30 of each year describing physical changes to the diverting works and presenting monitoring data collected during the previous year. Monitoring was initiated in June 2014. This report is the third annual report prepared as required by the monitoring plan.
3. Water right permit 63-33207 authorizes diversion of 3.2 cfs for irrigation of 160 acres and 4.0 cfs for industrial purposes, with a maximum diversion rate of 4.0 cfs. A permit condition is that water levels in one well authorized under the permit shall be measured on a monthly basis.
4. Water right permit 63-34038 authorizes diversion of 3.2 cfs for irrigation of 160 acres and 4.0 cfs for industrial purposes, with a maximum diversion rate of 4.0 cfs. A permit condition is that water levels in each well authorized under the permit shall be measured on a monthly basis.
5. Conditions of water right permits 63-34038 and 63-33207 monthly measurements of flow rate and diversion volume. This is the first annual report prepared for permits 63-34038 and 63-33207.

2016 Permit Activities

6. One irrigation supply well (Irrigation Well No. 3) was constructed in the summer of 2016. A pump and sounding tube were installed late in 2016. The well will be put into service in 2017.
7. Two industrial supply wells (Plant Wells 1 and 2) installed in 2015 were equipped with pumps in 2016. Both wells will be put into service in 2017.
8. The sounding tube in Irrigation Well No. 1 has collapsed. A water level measurement was unable to be obtained during the November 2016 monitoring event due to the electric-line well sounder continually snagging in the sounding tube. The electronic datalogger was retrieved from Well No. 1, but was unable to be re-installed.

9. Irrigation Well No. 2 experienced a pump failure that resulted in loss of the water level transducer and sounding tube in July 2016.

10. Work items to be completed in 2017 include re-installing a sounding tube and water level transducer into Well No. 1, re-installing the pump, a new sounding tube, and water level transducer into Well No. 2, surveying a measurement point elevation for Well No. 3, and installing a water level transducer into Well No. 3.

11. Water-level monitoring in 2016 suggests that the static water-level elevation beneath the site ranges from approximately 2588 to 2597 feet (based on surveyed measuring points); the 2016 water-level fluctuation in the monitoring well was approximately 8 feet. There was an approximate 1.0-foot water level decline between November 2015 and November 2016.

12. Total diversion volume in 2016 was 1152 acre feet, with 824 acre feet at Irrigation Well 1 and 328 acre feet at Irrigation Well 2. These diversions occurred under permits 63-32680 and 63-33296.

13. No diversions, other than for testing or construction purposes, occurred under permits 63-34038 and 63-33207 in 2016. Monitoring of diversions will occur beginning in 2017.

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1. BACKGROUND

1.1. Applicable Water Right Permits

Four water right permits utilize wells monitored as part of this monitoring program. Water right permit reports are provided as Appendix A and the permits are described below.

1.1.1. Permits 63-32680 and 63-33296

Kuna Cole-880, LLC, Azel Development Group, LLC, Boise Investment Group, LLC, Noelle Holdings, LLC, as tenants in common, applied for water right 63-32680 on May 22, 2007. The water right application sought 7.0 cfs for municipal use by 2250 homes as part of a proposed planned community. The application was amended on September 1, 2009 to seek 5.22 cfs for irrigation of 261 acres, and was subsequently assigned to Kirkwood Bank & Trust Company on September 22, 2011.

Kuna Cole-880, LLC, Azel Development Group, LLC, Boise Investment Group, LLC, Noelle Holdings, LLC, as tenants in common, applied for water rights 63-33296 on November 6, 2009. The water right application sought 15.22 cfs for irrigation of 761 acres. The application was assigned to Kirkwood Bank & Trust Company on September 22, 2011 and was subsequently amended to seek 10.46 cfs for irrigation of 521 acres on January 12, 2012.

Both water right permit applications were protested by United Water Idaho and the Idaho Department of Corrections. A stipulation was entered between the protestants and the applicant to settle the protests. The stipulation included combined limits on diversion rates and irrigated acres, and the requirement for compliance with an approved monitoring plan.

The permits were approved by the Idaho Department of Water Resources (IDWR) on July 17, 2013. The two permits authorize irrigation of up to 784 acres within the property, with a combined maximum diversion rate of 11.76 cfs (5,278 gpm) and a maximum annual diversion volume of 3,528 acre feet (4.5 acre feet per acre).

- Permit 63-32680 authorizes diversion of up to 5.22 cfs for irrigation of up to 261 acres within a 360-acre permissible located in Sections 11 and 14. The right authorizes construction of up to 2 wells located in Sections 11 and 14. Priority date is May 22, 2007.
- Permit 63-33296 authorizes diversion of up to 10.46 cfs for irrigation of up to 523 acres located within a 1022-acre permissible place of use that covers the entire property. The right authorizes construction of up to 2 wells located in Sections 12 and 13. Priority date is November 6, 2009.

Kirkwood Bank assigned the permits to Ray and Susan Montierth on March 14th, 2014. Ray and Susan Montierth assigned the permits to J.R. Simplot Company on January

6, 2015. J.R. Simplot Company assigned the permits to CS Property Development LLC on April 6, 2016.

1.1.2. Permit 63-33207

Jim Hutchings applied for water right 63-33207 on May 15, 2009 and amended the permit on March 24, 2010. The permit application sought 3.0 cfs for irrigation of 200 acres. The permit was approved on September 25, 2013, and assigned to J.R. Simplot Company on March 26, 2015. The application was amended to change the use to industrial purposes, and was subsequently assigned to CS Property Development LLC on April 6, 2016. The permit requires monthly measurement of flow rate and volume, and requires monthly water level measurements from one point of diversion authorized for this right.

1.1.3. Permit 63-34038

J.R. Simplot Company applied for water right 63-34038 on February 6, 2015 and amended the application on June 26, 2015. The amended permit application sought 3.2 cfs for irrigation of 160 acres and 4.0 cfs for industrial use, with a total diversion rate of 4.0 cfs. The permit was approved on October 26, 2015, and assigned to CS Property Development LLC on April 6, 2016. The permit requires monthly measurement of flow rate and volume, and requires monthly water level measurements from all points of diversion authorized for this right.

1.2. Project Site

The project area is located approximately 7 miles southeast of Kuna, Idaho, in portions of Sections 11, 12, 13, 14, 23, and 24 of Township 1 North, Range 1 East, and Section 6 of Township 1 North, Range 2 East, Ada County, Idaho (Figure 1). Total area is approximately 1900 acres.

The project site is accessed from Cole Road. The northern portion of the property is bisected by the Union Pacific Railroad.

Two irrigation wells (Irrigation Wells 1 & 2), a monitoring well, and a drill water supply well were constructed in 2014. Two plant industrial water supply wells were constructed in 2015. One irrigation well (Irrigation Well 3) was constructed in 2016. Well locations and authorized diversion points are summarized in Table 1.

Center pivot sprinklers were installed in the winter of 2014-15, and irrigation began in 2015. Irrigated area in 2016 was approximately 685 acres. Additional lands are planned for irrigation in 2017, along with initiation of diversions for industrial purposes.

Township	Range	Section	1/4-1/4	Well	Authorized Point of Diversion			
					63-34038	63-33207	63-32680	63-33296
1N	1E	11	SWSE		X	X	X	
1N	1E	11	SESE		X	X	X	
1N	1E	12	SWNW		X	X		X
1N	1E	12	SENW		X	X		X
1N	1E	13	NWNE		X	X		X
1N	1E	13	NWNW	Irrigation Well 2	X	X		X
1N	1E	13	NESE		X	X		X
1N	1E	14	NENE	Irrigation Well 1	X	X	X	
1N	1E	14	NWNE		X	X	X	
1N	1E	14	SWNE		X	X	X	
1N	1E	14	SENE		X	X	X	
1N	1E	14	NESE	Irrigation Well 3	X	X	X	
1N	1E	14	NWSE		X	X	X	
1N	2E	6	NWSW Lt 6		X	X		
1N	2E	6	NWSW Lt 6		X	X		
1N	2E	6	SWSW Lt 7	Plant Well 1	X	X		
1N	2E	6	SWSW Lt 7	Plant Well 2	X	X		

Table 1. Authorized points of diversion and well locations

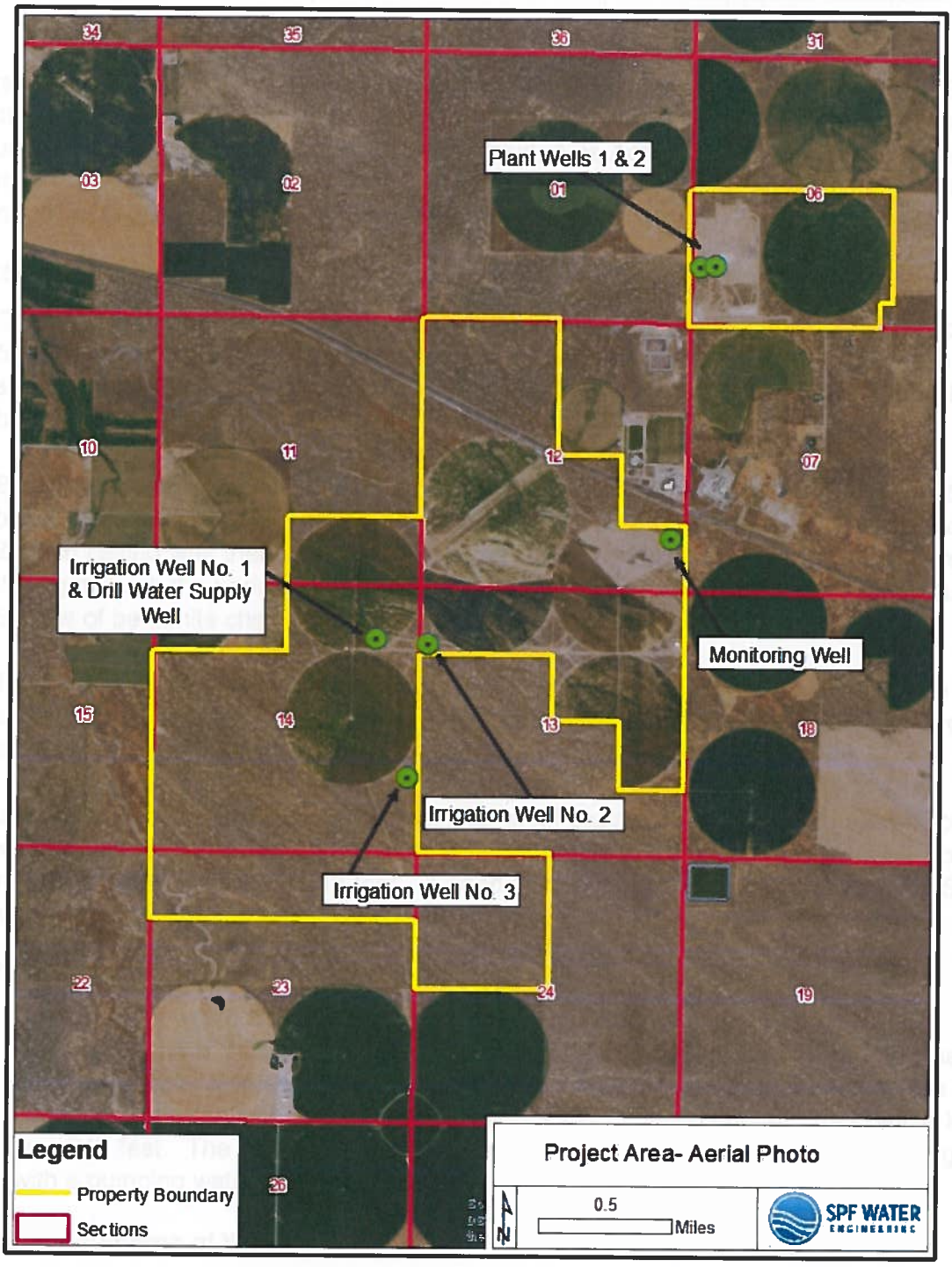

Figure 1. Project Location Map

2. 2016 ACTIVITIES

2.1. Irrigation Well No. 3

Irrigation Well No. 3 was completed on June 30, 2016. The well is located in the NESE of Section 14, T1N, R1E. Approximate well site elevation is 2830 feet. A well driller's report is included in Appendix B and testing data are included as Appendix C. The well is a point of diversion authorized under permits 63-32680, 63-33207, and 63-34038. Drilling, construction, testing, and equipping are described below.

2.1.1. Well Drilling

Construction of the well began by installing 26-inch diameter surface casing to a depth of 53 feet within a 36-inch diameter borehole. This borehole extended through top soil, sand, and clay encountering basalt at 53 feet. The casing is sealed with 15,800 lbs of bentonite chips.

Below the surface casing, a nominal 25-inch diameter borehole was drilled through the basalt (extending to a depth of approximately 309 feet) using the air-rotary method. A 20-inch casing was then installed to 280 feet to seal off the basalt and allow mud-rotary drilling through the underlying sediments. The 20-inch casing was sealed in place using 500 lbs of bentonite chips from approximately 280 to 265 feet.

The drilling method was switched to mud rotary and a 19-inch diameter borehole was extended to a total depth of 545 feet. The 19-inch diameter borehole penetrated through sand, clay, and gravel.

Upon reaching total depth, 16-inch diameter steel casing and stainless steel well screen were installed in the borehole. The well screen has 0.040-inch slots. The screen interval is from 345 feet to 545 feet. A sand filter pack of No. 6-9 Colorado Silica Sand was placed outside the well screen from 273 feet to 545 feet.

2.1.2. Development and Test-Pumping

Development with limited test pumping was conducted on July 18 and 19, 2016. The test pump was a 14-inch diameter line-shaft turbine set to a depth of approximately 440 feet. Water levels were measured in the pumping well using an electric-line well sounder. Pumping rate was measured using a 10x9.25-inch orifice. Static water level was 242 feet. The well was pumped at a maximum rate of approximately 3400 gpm, with a pumping water level of 320 feet.

2.1.3. Equipping of Well No. 3

Well No. 3 was equipped with a 500-hp variable speed vertical turbine pump. The pump is a 6-stage Goulds 14RHHO full diameter trim rated to produce 2700 gpm at 560 feet TDH. The pump setting depth is 330 feet with 10-inch column and 1-15/16th

shaft. As required by the monitoring plan, the well is also equipped with a dedicated sounding tube and an airline that extends to near the top of the bowls. A recording water-level transducer will be installed in the sounding tube in the near future.

2.2. Water-Level Monitoring

Water levels are required to be measured manually using a non-stretch well sounder between November 15 and November 30, between January 15 and January 30, and between March 1 and March 15, and data from the electronic dataloggers and flow meters retrieved at the same time. In 2016, water levels from all wells were measured on January 14, and March 15, and water levels from all wells excluding Irrigation Wells No. 1 and 2 on November 29.

Well No. 1 reportedly has a pinched sounding tube. A water-level measurement was unable to be obtained during the November 2016 monitoring event due to the electric-line well sounder continually snagging in the installed sounding tube. The pressure transducer was retrieved from Well No. 1 and data were downloaded, but the pressure transducer could not be re-installed. To remedy the issue, it is planned for the pump in Well No. 1 to be lifted, allowing the sounding tube to be removed and then replaced. The pressure transducer will then also be re-installed.

The Well No. 2 pump failed in July 2016 due to prolonged operation at zero flow. At this time, the water level sounding tube and pressure transducer were lost downhole. As a result, water levels data after March 2016 for this well were lost. The well was capped and inaccessible during the November measurement event.

Water-level data through November 29, 2016 are provided electronically on a compact disk in Appendix D. Changes in water level measurement points at the supply wells resulting from installation of pumping equipment are described in the data set. Water levels are summarized below on Figure 2.

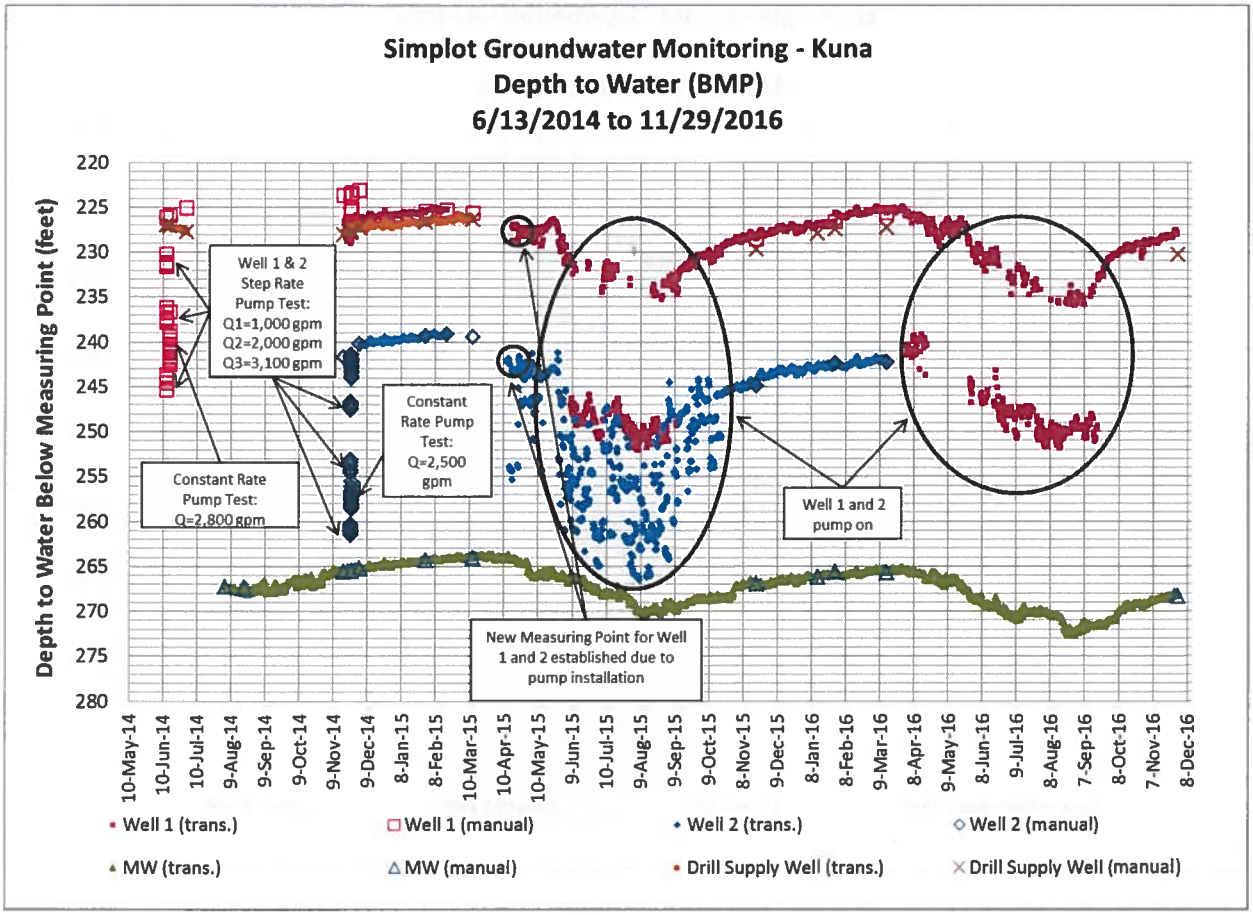

Figure 2. Summary hydrograph 6/13/2014 through 11/29/2016

Depth to water measurements in the monitoring well, based on data collected in 2016, suggest approximately 8 feet of annual fluctuation, from a high of 265 feet depth-to-water in March to a low of 273 feet depth-to-water in August. Annual fluctuation increased from approximately 7 feet in 2015 to approximately 8 feet in 2016. Water-level elevations are illustrated in Figure 3.

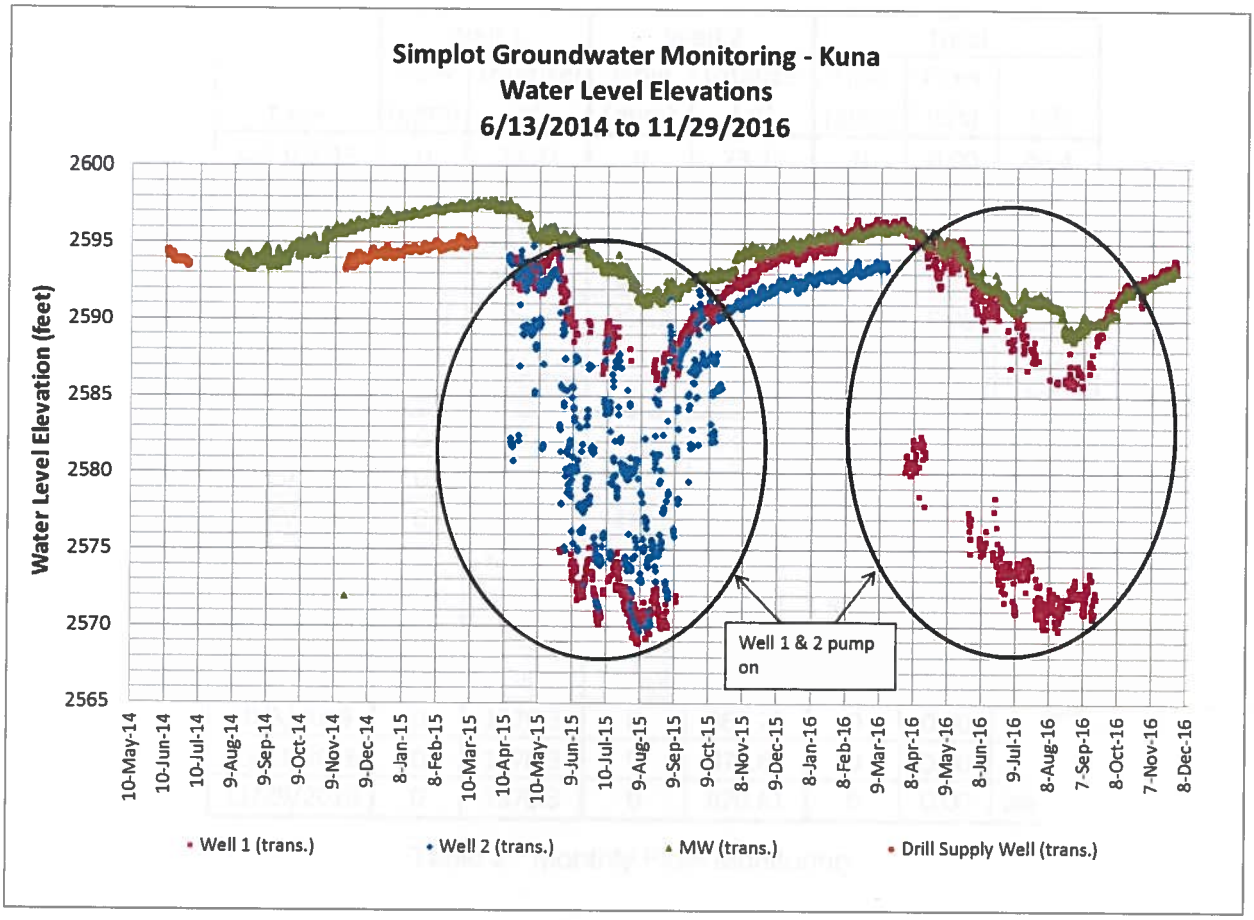

Figure 3. Summary Water Level Elevations 6/13/2014 through 11/29/2016

2.3. Flow Monitoring

Both operating supply wells were equipped with full-profile electromagnetic flow meters in 2015. Irrigation pumping in 2016 occurred between March 15 and October 31, with a total diversion volume of 1151.2 acre feet. Monthly pumping volumes by well are summarized in Table 1. Maximum instantaneous pumping rate in 2016 measured 11.25 cfs (5048 gpm).

Date	Well 1		Well 2		Total		
	Flow (gpm)	Totalizer (af)	Flow (gpm)	Totalizer (af)	Flow (gpm)	Flow (cfs)	(af)
4/23/2015	0	23.21	0	23.21	0	0.00	46.4
5/29/2015	0	23.21	1094	81.87	1094	2.44	105.1
6/29/2015	2393	211.38	2008	243.04	4401	9.81	454.4
7/31/2015	0	446.35	2326.5	373.97	2327	5.18	820.3
8/27/2015	2368	705.09	764.2	489.42	3132	6.98	1194.5
10/1/2015	0	752.77	0	529.20	0	0.00	1282.0
10/30/2015	0	752.77	0	542.96	0	0.00	1295.7
1/29/2016	0	752.77	0	542.96	0	0.00	1295.7
3/15/2016	0	752.77	0	542.96	0	0.00	1295.7
4/30/2016	0	843.96	1411.5	543.71	1412	3.14	1387.7
6/8/2016	0	876.21	2145.5	569.25	2146	4.78	1445.5
6/29/2016	2479	980.51	2393.7	614.01	4873	10.86	1594.5
7/28/2016	2372	1168.8	2676.3	681.90	5048	11.25	1850.7
9/2/2016	2342	1458.24	1176.4	818.84	3518	7.84	2277.1
10/3/2016	0	1576.3	0	863.25	0	0.00	2439.6
10/31/2016	0	1576.3	0	870.61	0	0.00	2446.9
11/29/2016	0	1576.3	0	870.61	0	0.00	2446.9

Table 2. Monthly Flow Monitoring

Figure 4. Well No. 1 flow meter – November 29, 2016 (totalized volume in acre feet)

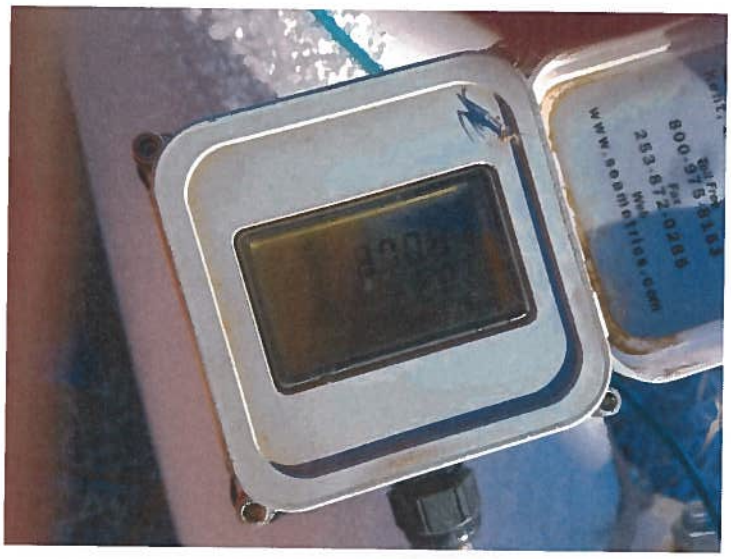

Figure 5. Well No. 2 flow meter – November 29, 2016 (totalized volume in acre feet)

3. SUMMARY

1. Monitoring was conducted in 2016 as required for permits 63-32680, 63-33296, 63-33207, and 63-34038.
2. One irrigation supply well (Irrigation Well No. 3) was installed and equipped in 2016. No diversions occurred except for initial development and test pumping. A water-level transducer will be installed in the well in 2017.
3. Irrigation Well No. 1 has a pinched sounding tube, which prevented water level measurement after November. The sounding tube will be replaced in 2017
4. The Irrigation Well No. 2 sounding tube and water-level transducer were lost during a pump failure in July 2016. The sounding tube and water-level transducer will be replaced in 2017.
5. The 2016 water-level fluctuation in the monitoring well was approximately 8 feet. There was an approximate 1.0-foot water level decline between November 2015 and November 2016.
6. Diversions in 2016 occurred for irrigation purposes from Irrigation Wells 1 and 2. Total diversion volume in 2016 was 1151 acre feet, with 824 acre feet at Well 1 and 328 acre feet at Well 2. Diversions from Plant Wells 1 and 2 were limited to testing and construction.

Appendix A
Water Right Reports

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report

2/5/2017

WATER RIGHT NO. 63-32680

Owner Type	Name and Address
Current Owner	CS PROPERTY DEVELOPMENT LLC PO BOX 27 BOISE, ID 83707 (208)336-2110
Original Owner	BOISE INVESTMENT GROUP LLC C/O NICK FERGIS 12515 COUNTY RD 22 CORTEZ, CO 81321 (602)980-8182
Original Owner	AZEL DEVELOPMENT GROUP LLC
Original Owner	KUNA COLE 880
Original Owner	NOELLE HOLDINGS LLC C/O NICK FERGIS BOISE INVESTMENT GROUP LLC 12515 COUNTY RD 22 CORTEZ, CO 81321 (602)980-8182
Security Interest	WELLS FARGO BANK FOOD & AGRIBUSINESS COMMERCIAL BANKING OFFICE 905 S FILLMORE STE 701 MAC T3005-072 AMARILLO, TX 79101 806-371-3769

Priority Date: 05/22/2007
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/01	11/15	5.22 CFS	
Total Diversion			5.22 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SWSE	Sec. 11	Township 01N	Range 01E	ADA County
GROUND WATER	SESE	Sec. 11	Township 01N	Range 01E	ADA County
GROUND WATER	NENE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWNE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	SWNE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	SENE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NESE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWSE	Sec. 14	Township 01N	Range 01E	ADA County

Place(s) of use:

Place of Use Legal Description: IRRIGATION ADA County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
01N	01E	11		SWSE	40		SESE	40						
		12		NENW	40		NWNW	40		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NWSE	40		SWSE	40		SESE	40			
		13		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40						
				NESE	40									
		14		NENE	40		NWNE	40		SWNE	40		SENE	40
				SWNW	40		SENW	40						
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		23		NENE	40		NWNE	40						
				NENW	40		NWNW	40						
		24		NENW	40		NWNW	40		SWNW	40		SENW	40

Total Acres: 1680

Conditions of Approval:

1.		Rights 63-32680 and 63-33296, when combined, shall not exceed a total diversion rate of 11.76 cfs, a total annual maximum diversion volume of 3,528 af at the field headgate, and the irrigation of 784 acres.
2.		This right is limited to the irrigation of 261 acres within the place of use described above in a single irrigation season.
3.		Diversion and use of water in connection with this right is subject to a Monitoring Plan approved by the Department. In the event of a failure to comply with any component of the Monitoring Plan, after actual notice and a reasonable opportunity to cure, the right holder shall cease further diversions under the right until such noncompliance is remedied. Failure to comply with any approval condition, including the Monitoring Plan, shall be cause for the Department to cancel or revoke this right, or for an administrative or judicial action enjoining use of the right after actual notice and a reasonable opportunity to cure.
4.		Proof of application of water to beneficial use shall be submitted no sooner than July 1, 2017 and no later than July 1, 2018.
5.		No less than four (4) years of ground water monitoring data shall be submitted in connection with filing proof of beneficial use for this right. The right holder shall also submit a report from a qualified professional engineer, hydrologist, or hydrogeologist summarizing hydrogeologic data collected to fulfill the approved Monitoring Plan and the conditions of approval of this right. Submittal of a proof of beneficial use statement without the required report will not be accepted by the Department and may result in lapsing or cancellation of the permit.
6.		Prior to submitting proof of beneficial use, the right holder shall not assign ownership of the permit to another individual, corporation, partnership, or association without prior notification to the Department.
7.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
8.		Diversion and use of water with a temperature greater than 85 degrees Fahrenheit is not authorized under his right.
9.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
10.	121	The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
11.	004	This right does not grant any right-of-way or easement across the land of another.
12.	R65	This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.5 afa per acre at the field headgate for irrigation of the place of use.
13.		This right authorizes the construction of 2 supply wells as points of diversion.
14.		The Department shall be notified prior to the installation and calibration of flow meters on all supply wells.

Dates:
Proof Due Date: 07/01/2018
Proof Made Date:
Approved Date: 07/17/2013
Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Application Received Date: 09/07/2016
Protest Deadline Date: 01/02/2017
Number of Protests: 0
Field Exam Date::
Date Sent to State Off:
Date Received at State Off:

Other Information:
State or Federal:
Owner Name Connector:
Water District Number:
Generic Max Rate per Acre: 0.02
Generic Max Volume per Acre: 4.5
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Application Report

2/5/2017

WATER RIGHT NO. 63-33207

Owner Type	Name and Address
Current Owner	CS PROPERTY DEVELOPMENT LLC PO BOX 27 BOISE, ID 83707 (208)336-2110
Original Owner	JIM HUTCHINGS 13690 S CLOVERDALE RD KUNA, ID 83634 (208)362-2963
Security Interest	WELLS FARGO BANK FOOD & AGRIBUSINESS COMMERCIAL BANKING OFFICE 905 S FILLMORE STE 701 MAC T3005-072 AMARILLO, TX 79101 806-371-3769

Priority Date: 03/24/2010
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
INDUSTRIAL	01/01	12/31	3 CFS	
Total Diversion			3 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SWSE	Sec. 11	Township 01N	Range 01E	ADA County
GROUND WATER	SESE	Sec. 11	Township 01N	Range 01E	ADA County
GROUND WATER	SWNW	Sec. 12	Township 01N	Range 01E	ADA County
GROUND WATER	SENW	Sec. 12	Township 01N	Range 01E	ADA County
GROUND WATER	NWNE	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NWNW	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NESE	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NENE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWNE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	SWNE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	SENE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NESE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWSE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWSW Lt 6	Sec. 06	Township 01N	Range 02E	ADA County
GROUND WATER	NWSW Lt 6	Sec. 06	Township 01N	Range 02E	ADA County
GROUND WATER	SWSW Lt 7	Sec. 06	Township 01N	Range 02E	ADA County
GROUND WATER	SWSW Lt 7	Sec. 06	Township 01N	Range 02E	ADA County

Place(s) of use:

Place of Use Legal Description: INDUSTRIAL ADA County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
01N	01E	11		SWSE			SESE							
		12		NENW			NWNW			SWNW			SENW	
				NESW			NWSW			SWSW			SESW	
				NWSE			SWSE			SESE				
		13		NENE			NWNE			SWNE			SENE	
				NENW			NWNW							
				NESE										
		14		NENE			NWNE			SWNE			SENE	
				NESE			NWSE							
		23		NENE			NWNE							
				NENW			NWNW							
		24		NENW			NWNW			SWNW			SENW	
	02E	6		NESW		6	NWSW		7	SWSW			SESW	
				NWSE			SWSE							

Conditions of Approval:

1.	004	This right does not grant any right-of-way or easement across the land of another.
2.		The right holder shall install a measuring device acceptable to the Department at the points of diversion authorized under this right. The measuring device shall be capable of displaying diversion flow rate and totalized volume measurement. The right holder shall record the flow rate and volume measurements monthly for any calendar year in which water is diverted and used in connection with this right until notified by the Department. The records shall be made available to the Department upon request.
3.	073	Diversion and use of water with a temperature greater than 85 degrees Fahrenheit is not authorized under this right.
4.		Use of water under this permit shall not exceed an annual diversion volume of 700 acre-feet.
5.		If the Department determines, based on credible evidence, measurement reports, area data, or otherwise, there is a substantial likelihood that diversion and use of groundwater under this right is causing material injury to any senior water right(s), the Department may issue an order to the right holder to show cause why existing diversions should not be reduced under the permit, forego additional diversions, or provide adequate mitigation to remedy any such material injury. Any senior water user alleging material injury may petition the Department to commence a show cause hearing, and the Department shall conduct a hearing.
6.	121	The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
7.		Industrial use is for a meat processing and packing facility.
8.		One point of diversion (well) authorized for this right shall include a measuring device or other suitable method to allow measurement of the static water level in the well. Water level measurements shall be made monthly throughout the year from the beginning of the diversion and use of water in connection with this right until notified by the Department. The records shall be made available to the Department upon request.
9.	196	The right holder shall install or construct a straight length of conduit or ditch suitable for installation of a device for measuring the entire flow of water being diverted in connection with this right. If the right holder uses conduit, the straight length of conduit shall be at least fifteen times the diameter of the conduit and shall be above ground or otherwise easily accessible.
10.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
11.	069	Failure of the right holder to comply with any condition of approval is cause for the Director to cancel this permit.
12.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
13.		Proof of application of water to beneficial use shall be submitted no sooner than October 1, 2017, and no later than October 1, 2018. A report with no less than 4 years of diversion measurement and aquifer level water monitoring data shall be submitted in connection with filing proof of beneficial use. Submittal of a proof of beneficial use statement without the required report will not be accepted by the Department and may result in cancellation of the permit.

Dates:
Date Application Received: 09/07/2016
Date Application Denied:
Last Date of Beneficial Use:
Extension End Date:
Protest Deadline Date: 1/2/2017
Number of Protests: 0
Enlargement Use Priority Date:
Enlargement Statute Priority Date:

Other Information:
State or Federal:
Owner Name Connector:
Water District Number:
Generic Max Rate per Acre:
Generic Max Volume per Acre:
Application Type: Amendment
Applicant Remarks: The proposed change is to increase the size of the place of industrial use.
Other Water Rights:
Time to Complete Works:
Transfer Affected Description:
Transfer Affected Contracts:
Old Transfer Number:
Transfer Reason:
Transfer Return Flows:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report

2/5/2017

WATER RIGHT NO. 63-33296

Owner Type	Name and Address
Current Owner	CS PROPERTY DEVELOPMENT LLC PO BOX 27 BOISE, ID 83707 (208)336-2110
Original Owner	BOISE INVESTMENT GROUP LLC C/O NICK FERGIS 12515 COUNTY RD 22 CORTEZ, CO 81321 (602)980-8182
Original Owner	KUNA COLE 880 LLC C/O NICK FERGIS BOISE INVESTMENT GROUP 12515 COUNTY RD 22 CORTEZ, CO 81321 (208)383-4140
Original Owner	AZEL DEVELOPMENT GROUP LLC
Original Owner	NOELLE HOLDINGS LLC C/O NICK FERGIS BOISE INVESTMENT GROUP LLC 12515 COUNTY RD 22 CORTEZ, CO 81321 (602)980-8182
Security Interest	WELLS FARGO BANK FOOD & AGRIBUSINESS COMMERCIAL BANKING OFFICE 905 S FILLMORE STE 701 MAC T3005-072 AMARILLO, TX 79101 806-371-3769

Priority Date: 11/06/2009

Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/01	11/15	10.46 CFS	
Total Diversion			10.46 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SWNW	Sec. 12	Township 01N	Range 01E	ADA County
GROUND WATER	SENW	Sec. 12	Township 01N	Range 01E	ADA County
GROUND WATER	NWNE	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NWNW	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NESE	Sec. 13	Township 01N	Range 01E	ADA County

Place(s) of use:

Place of Use Legal Description: IRRIGATION ADA County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
01N	01E	11		SWSE	40		SESE	40						
		12		NENW	40		NWNW	40		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NWSE	40		SWSE	40		SESE	40			
		13		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40						
				NESE	40									
		14		NENE	40		NWNE	40		SWNE	40		SENE	40
				SWNW	40		SENW	40						
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		23		NENE	40		NWNE	40						
				NENW	40		NWNW	40						
		24		NENW	40		NWNW	40		SWNW	40		SENW	40

Total Acres: 1680

Conditions of Approval:

1.		Rights 63-32680 and 63-33296, when combined, shall not exceed a total diversion rate of 11.76 cfs, a total annual maximum diversion volume of 3,528 af at the field headgate, and the irrigation of 784 acres.
2.		This right is limited to the irrigation of 523 acres within the place of use described above in a single irrigation season.
3.		Diversion and use of water in connection with this right is subject to a Monitoring Plan approved by the Department. In the event of a failure to comply with any component of the Monitoring Plan, after actual notice and a reasonable opportunity to cure, the right holder shall cease further diversions under the right until such noncompliance is remedied. Failure to comply with any approval condition, including the Monitoring Plan, shall be cause for the Department to cancel or revoke this right, or for an administrative or judicial action enjoining use of the right after actual notice and a reasonable opportunity to cure.
4.		Proof of application of water to beneficial use shall be submitted no sooner than July 1, 2017 and no later than July 1, 2018.
5.		No less than four (4) years of ground water monitoring data shall be submitted in connection with filing proof of beneficial use for this right. The right holder shall also submit a report from a qualified professional engineer, hydrologist, or hydrogeologist summarizing hydrogeologic data collected to fulfill the approved Monitoring Plan and the conditions of approval of this right. Submittal of a proof of beneficial use statement without the required report will not be accepted by the Department and may result in lapsing or cancellation of the permit.
6.		Prior to submitting proof of beneficial use, the right holder shall not assign ownership of the permit to another individual, corporation, partnership, or association without prior notification to the Department.
7.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
8.		Diversion and use of water with a temperature greater than 85 degrees Fahrenheit is not authorized under his right.
9.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
10.	121	The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
11.	004	This right does not grant any right-of-way or easement across the land of another.
12.	R65	This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.5 afa per acre at the field headgate for irrigation of the place of use.
13.		This right authorizes the construction of 2 supply wells as points of diversion.
14.		The Department shall be notified prior to the installation and calibration of flow meters on all supply wells.

Dates:
Proof Due Date: 07/01/2018
Proof Made Date:
Approved Date: 07/17/2013
Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Application Received Date: 09/07/2016
Protest Deadline Date: 01/02/2017
Number of Protests: 0
Field Exam Date::
Date Sent to State Off:
Date Received at State Off:

Other Information:
State or Federal:
Owner Name Connector:
Water District Number:
Generic Max Rate per Acre: 0.02
Generic Max Volume per Acre: 4.5
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report

2/5/2017

WATER RIGHT NO. 63-34038

Owner Type	Name and Address
Current Owner	CS PROPERTY DEVELOPMENT LLC PO BOX 27 BOISE, ID 83707 (208)336-2110
Original Owner	J R SIMPLOT COMPANY PO BOX 27 BOISE, ID 83707 (208)336-2110
Security Interest	WELLS FARGO BANK FOOD & AGRIBUSINESS COMMERCIAL BANKING OFFICE 905 S FILLMORE STE 701 MAC T3005-072 AMARILLO, TX 79101 806-371-3769

Priority Date: 06/26/2015
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/01	11/15	3.2 CFS	
INDUSTRIAL	01/01	12/31	4 CFS	
Total Diversion			4 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SWSE	Sec. 11	Township 01N	Range 01E	ADA County
GROUND WATER	SESE	Sec. 11	Township 01N	Range 01E	ADA County
GROUND WATER	SWNW	Sec. 12	Township 01N	Range 01E	ADA County
GROUND WATER	SENW	Sec. 12	Township 01N	Range 01E	ADA County
GROUND WATER	NWNE	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NWNW	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NESE	Sec. 13	Township 01N	Range 01E	ADA County
GROUND WATER	NENE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWNE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	SWNE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	SENE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NESE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWSE	Sec. 14	Township 01N	Range 01E	ADA County
GROUND WATER	NWSW Lt 6	Sec. 06	Township 01N	Range 02E	ADA County
GROUND WATER	NWSW Lt 6	Sec. 06	Township 01N	Range 02E	ADA County
GROUND WATER	SWSW Lt 7	Sec. 06	Township 01N	Range 02E	ADA County
GROUND WATER	SWSW Lt 7	Sec. 06	Township 01N	Range 02E	ADA County

INDUSTRIAL Use:
Number of other uses: meat process & packing

Place(s) of use:

Place of Use Legal Description: IRRIGATION ADA County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
01N	01E	11		SWSE	40		SESE	40						
		12		NENW	40		NWNW	40		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NWSE	40		SWSE	40		SESE	40			
		13		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40						
				NESE	40									
		14		NENE	40		NWNE	40		SWNE	40		SENE	40
				SWNW	40		SENW	40						
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		23		NENE	40		NWNE	40						
				NENW	40		NWNW	40						
		24		NENW	40		NWNW	40		SWNW	40		SENW	40

Place of Use Legal Description: INDUSTRIAL ADA County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
01N	01E	11		SWSE			SESE							
		12		NENW			NWNW			SWNW			SENW	
				NESW			NWSW			SWSW			SESW	
				NWSE			SWSE			SESE				
		13		NENE			NWNE			SWNE			SENE	
				NENW			NWNW			SWNW			SENW	
				NESW			NWSW			SWSW			SESW	
				NESE			SWSE			SESE				
		14		NENE			NWNE			SWNE			SENE	
				NESE			NWSE							
		23		NENE			NWNE							
				NENW			NWNW							
		24		NENW			NWNW			SWNW			SENW	
	02E	6		NESW			SESW							
				NWSE			SWSE							

Total Acres: 1680

Conditions of Approval:

1.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
2.		Each point of diversion (well) authorized for this right shall include a measuring device or other suitable method to allow measurement of the static water level in the well. Water level measurements shall be made monthly throughout the year from the beginning of the diversion and use of water in connection with this right until notified by the Department. The records shall be made available to the Department upon request.
3.	196	The right holder shall install or construct a straight length of conduit or ditch suitable for installation of a device for measuring the entire flow of water being diverted in connection with this right. If the right holder uses conduit, the straight length of conduit shall be at least fifteen times the diameter of the conduit and shall be above ground or otherwise easily accessible.
4.		The right holder shall install a measuring device acceptable to the Department at each point of diversion authorized under this right. The measuring device shall be capable of displaying diversion flow rate and totalized volume measurement. The right holder shall record the flow rate and volume measurements monthly for any calendar year in which water is diverted and used in connection with this right until notified by the Department. The records shall be made available to the Department upon request.

5.	073	Diversion and use of water with a temperature greater than 85 degrees Fahrenheit is not authorized under this right.
6.		If the Department determines based on credible evidence, measurement reports, area data or otherwise that diversion and use of ground water under this right is causing material injury to any senior water right(s), the Department may order the diversion reduced, the diversion curtailed, or the right holder to provide adequate mitigation to remedy the injury.
7.		Prior to submitting proof of beneficial use, the right holder shall not assign ownership of the permit to another individual, corporation, partnership, or association without prior approval of the Department.
8.		Proof of beneficial use may not be submitted until one month prior to the deadline to submit proof of beneficial use set forth in these conditions; provided, however, if less than four (4) years of ground water monitoring data have been collected while beneficial use authorized under this permit has occurred, then an extension of time for up to five additional years shall be requested by the permit holder. The permit holder shall submit a report from a qualified professional engineer, hydrologist, or hydrogeologist summarizing hydrogeologic data collected to fulfill the conditions of approval of this permit. Submittal of a proof of beneficial use statement without the required data and report will not be accepted by the Department and may result in lapse of the permit.
9.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
10.	R65	This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.5 afa per acre at the field headgate for irrigation of the place of use.
11.	121	The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
12.	069	Failure of the right holder to comply with any condition of approval is cause for the Director to cancel this permit.

Dates:
Proof Due Date: 11/01/2020
Proof Made Date:
Approved Date: 10/26/2015
Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Application Received Date: 09/07/2016
Protest Deadline Date: 01/02/2017
Number of Protests: 0
Field Exam Date::
Date Sent to State Off:
Date Received at State Off:

Other Information:
State or Federal:

Owner Name Connector:
Water District Number:
Generic Max Rate per Acre: 0.02
Generic Max Volume per Acre: 4.5
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

Appendix B

Well Driller's Reports for Production and Monitoring Wells

Plant Well 1

RECEIVED
OCT 06 2015
WATER RESOURCES
WESTERN REGION

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Q3

1. WELL TAG NO. D 0069003
Drilling Permit No. 968768 - 874825
Water right or injection well #

2. OWNER: JR Simplot Co.
Name
Address P.O. Box 27
City Boise State Idaho Zip 83707

3. WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 2 East ☒ or West ☐
Sec. 6 NW 1/4 SW 1/4 1/4
Gov't Lot County ADA
Lat. 43 ° 26.841 (Deg. and Decimal minutes)
Long. 116 ° 16.380 (Deg. and Decimal minutes)
Address of Well Site S. Cole Rd. 1/4 mile North of Barker
(Give at least name of road + Distance to Road or Landmark) City Kuna
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

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
Neat cement	188ft	0	9 yd3	pumped
Neat cement	315ft	0	11 yd3	pumped

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
20"	0	188	.375	steel	☒	☐	☐	☒
14"	+2	395	.375	steel	☒	☐	☐	☒
					☐	☐	☐	☐
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☐ N Method
Manufactured screen ☒ Y ☐ N Type Joston
Method of installation set in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
395	455	30	60ft	14"	ss	.375

Length of Headpipe Length of Tailpipe
Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
6-9	315	455	9850lbs	trimmie

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG)
Describe control device plat

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 315 Static water level (ft) 294
Water temp. (°F) 83 Bottom hole temp. (°F) 83
Describe access port

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Test method: Pump	Bailer	Air	Flowing artesian
43.1	1520	7.7 hrs	☒	☐	☐	☐
			☐	☐	☐	☐

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	Water N
24	0	2	top soil		
24	2	8	sandy dirt and gravel		
24	8	30	hard black lava		
24	30	38	broken soft black lava		
24	38	44	hard black lava		
24	44	48	soft red lava		
24	48	55	hard black lava		
24	55	77	soft black lava		
24	77	95	hard black lava		
24	95	105	soft black lava		
24	105	135	hard black lava		
24	135	145	soft black lava		
24	145	155	red cinders		
24	155	162	hard black lava		
24	162	177	hard black lava		
19	177	312	large gravel and sand		
19	312	315	rock and clay		
19	315	320	sand and gravel		
19	320	325	rock and clay		
19	325	402	sand and gravel		
19	402	425	white clay		
19	425	448	sand and gravel		
19	448	460	brown clay with gravel		
19	460	465	sand and gravel		
19	465	471	brown clay and little rock		
19	471	477	sand and gravel		
19	477	490	brown clay and rock		
19	490	523	big gravel and sand		
19	523	531	sand and gravel		
19	531	543	gravel and sand with clay		
19	543	555	sandstone		
19	555	560	gravel and sand		

Completed Depth (Measurable): 455
Date Started: 6/1/2015 Date Completed: 9/16/2015

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 Treasure Valley Drilling Co. No. 560
*Principal Driller [signature] Date 9-22-15
*Driller Date
*Operator II Date
Operator I Date

* Signature of Principal Driller and rig operator are required.

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0069003
Drilling Permit No.
Water right or injection well #
2. OWNER: J R Simplot Co.
Name
Address P.O Box 27
City Boise State ID Zip 83707
3. WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 2 East ☒ or West ☐
Sec. 6 NW 1/4 SW 1/4 1/4 1/4
Gov't Lot County Ada
Lat. ° (Deg. and Decimal minutes)
Long. ° (Deg. and Decimal minutes)
Address of Well Site S Cole Rd. ¼ mile north of Ustick
(Give at least name of road + Distance to Road or Landmark) City Kuna
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
7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
Neat Cement	188'	0	13 Yards	Pumped
Neat Cement	315'	0	10½ Yards	Pumped

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
20"	0	188	.375	Steel Casing	☒	☐	☐	☒
					☐	☐	☐	☐
14"	42	395	.375	Steel	☒	☐	☐	☒
					☐	☐	☐	☐

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☐ N Method
Manufactured screen ☒ Y ☐ N Type Alloy Screen
Method of installation Set in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
395	455		60'		Stainless	.375

Length of Headpipe Length of Tailpipe
Packer ☐ Y ☒ N Type
10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
6-9	315	455	9,850 CBS	Tremie

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): 315 Static water level (ft) 294
Water temp. (°F) 83 Bottom hole temp. (°F) 83
Describe access port
Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
33	200	60

Test method: Pump ☒ Bailer ☐ 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	Water N
24"	0	2	Top Soil		
" "	2	8	Sandy dirt + Gravel		
"	8	30	Hard black lava		
	30	38	Broken / soft Black lava		
	38	44	Hard black lava		
	44	48	Soft + red lava		
	48	55	Hard black lava		
	55	77	Soft black lava		
	77	95	Hard black lava		
	95	105	Soft black lava		
	105	135	Hard black lava		
	135	145	Soft black lava		
	145	155	red cinders		
	155	160	Hard black lava		
	160	177	Hard black lava		
19"	177	312	Big Gravels + Sand		
" "	312	315	Rock + Clay		
↓	315	320	Sand + Gravel		
	320	325	rock + Clay		
	325	402	Sand + Gravel		
	402	405	White Clay		
	405	448	Sand + Gravel		
	448	460	Brn Clay with Gravel		
	460	465	Sand + Gravel		
	465	471	Brn Clay + little rock		
	471	477	Sand + Gravel		
	477	490	Brn clay + rock		
	490	523	Big Gravels + Sand		
	523	531	Sand + Gravel		
	531	543	Gravels and little Clay		
	543	555	Sandstone		
	555	560	Gravel + Sand		

Completed Depth (Measurable): 455
Date Started: 7-1-15 Date Completed: 8-30-15

14. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
#560
Company Name Treasure Valley Drilling and Pump
*Principal Driller Shawn Mikelson Date 9-28-15
*Driller Shawn Mikelson Date 9-28-15
*Operator II Date
Operator I Date
* Signature of Principal Driller and rig operator are required.

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WATER RESOURCES
WESTERN REGION

Plant Well 2

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0070211
Drilling Permit No. 970455-876512
Water right or injection well # 63-33207

2. OWNER: JR Simplot Company
Name
Address PO Box 27
City Boise State Idaho Zip 83707

3.WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 2 East ☒ or West ☐
Sec. 6 ___ 1/4 SW 1/4 SW 1/4
Gov't Lot 7 County
Lat. 43 ° 26.845 (Deg. and Decimal minutes)
Long. -116 ° 16.419 (Deg. and Decimal minutes)
Address of Well Site 150' East of south cole rd
1075' North of Barker Rd City Near Kuna
(Give at least name of road + Distance to Road or Landmark)
Lot. ___ Blk. ___ Sub. Name

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☒ Other Industrial

5. TYPE OF WORK:
☒ 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 (lbs or ft³)	Placement method/procedure
Neat cement	188	0	9yd3	pumped
Neat cement	315	0	11yd3	pumped

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
26	0	11	.375	steel	☒	☐	☐	☐
20	+1	176	.375	steel	☒	☐	☐	☒
14	+1	395	.375	steel	☒	☐	☐	☒
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method
Manufactured screen ☒ Y ☐ N Type
Method of installation

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
395	455	40	60	14	ss	.375

Length of Headpipe ___ Length of Tailpipe
Packer ☐ Y ☒ N Type

10.FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
silica sand	320	455	8400lbs	trimmie

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG)
Describe control device plat

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 290 Static water level (ft) 289
Water temp. (°F) 82 Bottom hole temp. (°F) 82
Describe access port

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Test method: Pump	Bailer	Air	Flowing artesian
338	2190	4hrs	☒	☐	☐	☐
			☐	☐	☐	☐

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	Water N
32	0	1	top soil		X
32	1	11	cleachy basalt		
26	11	93	weathered basalt		
26	93	97	red cinders		
26	97	124	black basalt		
26	124	128	red cinders		
26	128	176	hard black basalt		
20	176	186	sand and gravel		
20	186	211	gravel and basalt boulders		
20	211	255	sand and gravel boulders		
20	255	266	cemented gravel		
20	266	290	sand and gravel	X	
20	290	367	clay		
20	367	376	sand		
20	376	460	pea gravel and silty sand		

Completed Depth (Measurable): 455
Date Started: 9/10/2015 Date Completed: 9/30/2015

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 Treasure Valley Drilling Co. No. 560
*Principal Driller [signature] Date 9-30-15
*Driller Date
*Operator II Date
Operator I Date

* Signature of Principal Driller and rig operator are required.

Drill Water Supply Well (Monitoring)

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066263
Drilling Permit No.
Water right or injection well #

2. OWNER
Name Ray Montierth
Address 825 Hartland Dr
City Nampa State ID Zip 83686

3. WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec 14 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot County ADA
Lat. 34 ° 25.612 (Deg. and Decimal minutes)
Long. 116 ° 17.845 (Deg. and Decimal minutes)
Address of Well Site Cross tracks on Cole heading south first right 1 mile left 1/2 mile left 1/4 mile City Kuna
Lot Blk. 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 (lbs or ft³)	Placement method/procedure
Bentonite	0	38	950lbs	Pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
6	+2	38	.230	Steel	☒	☐	☐	☒
					☐	☐	☐	☐
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method
Manufactured screen ☐ Y ☒ N Type
Method of installation

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe Length of Tailpipe
Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
na	na	na	na na	na

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) 265 Static water level (ft) 230
Water temp. (°F) 56 Bottom hole temp. (°F)
Describe access port Cap

Well test: Test method:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
35	20	1HR	☐	☐	☒	☐

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	Water N
10	0	2	Top Soil		x
10	2	8	Sandy Clay		x
10	8	15	Brown Clay		x
10	15	34	Brown Sandy Clay		x
10	34	38	Broken up Lava		x
6	38	54	Lava		x
6	54	57	Red Lava		x
6	57	81	Black Lava		x
6	81	83	Red Lava		x
6	83	101	Black Lava		x
6	101	104	Brown Lava		x
6	104	232	Brown Lava		x
6	232	245	Fractured Lava		x
6	245	258	Lava		x
6	258	265	Brown Lava		x
6	265	270	Corse Sand	x	
6	270	280	Lava		x
6	280		Gravel	x	

Completed Depth (Measurable) 270
Date: Started 04/17/2014 Completed 4/20/2014

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 Treasure Valley Drilling Co. No. 560
*Principal Driller Date
*Driller Date
*Operator II Date
Operator I Date
* Signature of Principal Driller and rig operator are required.

Irrigation Well 1

63

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066300
Drilling Permit No. 965586-871645
Water right or injection well # 63-32680

2. OWNER
Name Ray Montierth
Address 825 Heartland Dr.
City Nampa State Id Zip 83686

3. WELL LOCATION:
Twp. 1 North ☒ or South ☒ Rge. 1 East ☒ or West ☐
Sec. 14 sw (10 acres) 1/4 ne (40 acres) 1/4 ne (160 acres) 1/4
Gov't Lot ____ County Ada
Lat. 43 ° 25.967 (Deg. and Decimal minutes)
Long. 116 ° 16.803 (Deg. and Decimal minutes)
Address of Well Site 1 mi.w .of S.Cole Rd 1 mi. S. of railroad ROW
City Kuna
(Give at least name of road + Distance to Road or Landmark)
Lot. ____ Blk. ____ 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 (lbs or ft³)	Placement method/procedure
3/4bentonite	0	38	23000 lbs	pour
cement	150	300	43 ft 3	trimmed

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
26	0	38	.375	steel	☒	☐	☐	☒
20	0	149	.375	steel	☒	☐	☐	☒
16	1	150	.250	steel	☒	☐	☐	☒

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method ____
Manufactured screen ☒ Y ☐ N Type johnson
Method of installation set in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
330	430	.40	100	16	ss	.375
440	540	.40	100	16	ss	.375

Length of Headpipe na Length of Tailpipe ____
Packer ☐ Y ☒ N Type ____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
silico sand	80	540	23000 lbs	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) ____ Static water level (ft) ____
Water temp. (°F) 70 Bottom hole temp. (°F) 70
Describe access port flat plat

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
23	3300	20 hr

Test method: Pump ☒ Bailer ☐ 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	Water N
30	0	2	top soil		X
30	2	8	sandy clay		X
30	8	17	brown clay		X
30	17	35	brown sandy clay		X
30	35	38	broken up lava		X
25	38	73	lava		X
25	73	85	brown lava		X
25	85	130	lava		X
25	130	140	brown lava		X
25	140	153	fractured lava		X
25	153	175	red lava		X
25	175	186	brown lava		X
25	186	200	fractured lava		X
25	200	255	lava		X
25	255	266	brown lava		X
25	266	270	sand	X	
25	270	273	brown clay		X
25	273	278	lava		X
25	278	284	gravel	X	
20	284	291	corse sand	X	
20	291	305	brown clay		X
20	305	317	brown sand	X	
20	317	335	brown clay		X
20	335	356	gravel	X	
20	356	360	brown clay		X
20	360	368	corse sand	X	
20	368	373	medium sand	X	
20	373	378	brown clay		X
20	378	381	brown sand	X	
20	381	389	gravel	X	
20	389	410	corse sand and gravel	X	
20	410	430	medium sand	X	
Completed Depth (Measurable)					

Date: Started 4-16-14 Completed

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 Treasure Valley Drilling Co. No. 560
*Principal Driller Monte Post Date 6-27-14
*Driller [signature] Date 7-31-14
*Operator II ____ Date ____
Operator I Jeremy Bullock Date 7-31-14
* Signature of Principal Driller and rig operator are required.

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WATER RESOURCES
WESTERN REGION

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066300
Drilling Permit No. 965586-871645
Water right or injection well # 63-32680

2. OWNER
Name Ray Montierth
Address 825 Heartland Dr
City Nampa State Id Zip 83686

3. WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec. 14 sw (10 acres) 1/4 ne (40 acres) 1/4 ne (160 acres) 1/4
Gov't Lot ____ County Ada
Lat. 43 ° 25.967 (Deg. and Decimal minutes)
Long. 116 ° 16.803 (Deg. and Decimal minutes)
Address of Well Site 1 mi.W.of Cole Rd 1 mi. S. of railroad ROW
City Kuna
[Give at least name of road + Distance to Road or Landmark]
Lot. ____ Blk. ____ 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 (lbs or ft³)	Placement method/procedure

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
16	155	330	.375	steel	☒	☐	☐	☒
16	430	440	.375	steel	☒	☐	☐	☒
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☐ N Method ____
Manufactured screen ☐ Y ☐ N Type ____
Method of installation ____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☐ N Type ____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	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) 266 Static water level (ft) 225
Water temp. (°F) 70 Bottom hole temp. (°F) 70
Describe access port flat plate

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
23	3300	20 hr

Test method: Pump ☒ Bailer ☐ 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	Water N
20	430	438	brown clay		X
20	438	455	corse sand	X	
20	455	480	gravel	X	
20	480	499	corse sand	X	
20	499	502	brown clay		X
20	502	508	medium sand	X	
20	508	513	brown clay		X
20	513	518	gravel	X	
20	518	540	brown clay with sand strips	X	

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Completed Depth (Measurable) 540
Date: Started 4-16-14 Completed 6-4-14

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 Treasure Valley Drilling Co. No. 560
*Principal Driller Monte Post Date 6-27-14
*Driller ____ Date ____
*Operator II ____ Date ____
Operator I Jeremy Bullock Date 6-27-14
* Signature of Principal Driller and rig operator are required.

63

Irrigation Well 2

1 of 2

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0067448
Drilling Permit No. 967343-873402
Water right or injection well # _____

2. OWNER:
Name Ray Montierth
Address 825 Hartland
City Nampa State ID Zip 83686

3.WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec. 13 ____ 1/4 (10 acres) nw 1/4 (40 acres) nw 1/4 (160 acres)
Gov't Lot _____ County ADA
Lat. 43 ° 25.608 (Deg. and Decimal minutes)
Long. 116 ° 17.611 (Deg. and Decimal minutes)
Address of Well Site S.Cole
(Give at least name of road + Distance to Road or Landmark) City Kuna
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 _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
3/4bentonite	0	39	4000 lbs	pour
concrete	270	300	31/2 yd	pumped

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
26	0	39	.375	steel	☒	☐	☐	☒
20	1	284	.375	steel	☒	☐	☐	☒
16	270	350	.250	steel	☒	☐	☐	☒
16	510	535	.250	steel	☒	☐	☐	☒

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method _____
Manufactured screen ☒ Y ☐ N Type Alloy
Method of installation set in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
350	510	.35	160	16	ss	.98
535	575	.35	40	16	ss	.98

Length of Headpipe 80 Length of Tailpipe _____
Packer ☒ Y ☐ N Type double wing k-packer

10.FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
6/9 silca sand	305	575	16500 lbs	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) 293 Static water level (ft) 236
Water temp. (°F) 70 Bottom hole temp. (°F) 70
Describe access port flat plate

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
22	2980	6 hr

Test method:

Pump	Bailer	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	Water N
30	0	3	top soil		x
30	3	27	sandy clay		x
30	27	35	corse sand		x
30	35	39	red clay		x
24	39	65	hard lava		x
24	65	69	red cinders		x
24	69	82	gray lava		x
24	82	87	red broken up lava		x
24	87	99	black lava		x
24	99	101	broken up lava		x
24	101	107	gray lava		x
24	107	111	red lava		x
24	111	122	gray lava		x
24	122	151	gray broken up lava		x
24	151	158	black broken up lava		x
24	158	170	brown and red cinders		x
24	170	223	gray lava		x
24	223	230	broken up lava		x
24	230	258	black lava		x
24	258	267	corse sand		x
24	267	286	brown lava		x
24	286	293	broken up lava		x
24	293	305	red cinders	x	
20	305	320	brown clay and red cinders		x
20	320	335	brown clay		x
20	335	370	gravel	x	
20	370	373	brown clay		x
20	373	429	corse sand and gravel	x	
20	429	431	brown clay		x
20	431	435	corse sand	x	
20	435	438	brown clay		x
20	438	445	gravel	x	

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JAN 05 2015
WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 575
Date Started: 9-14-14 Date Completed: 11-21-14

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 Treasure Valley Drilling Co. No. 560
*Principal Driller Monte Post Date 11-30-14
*Driller Jimmy Bullock Date 11-30-14
*Operator II _____ Date _____
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

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Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0067448
Drilling Permit No. 96 7343-873402
Water right or injection well #

2. OWNER:
Name Ray Montierth
Address 825 Hartland
City Nampa State Id Zip 83686

3.WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec. 13 ___ 10 acres 1/4 NW 40 acres 1/4 NW 160 acres 1/4
Gov't Lot ___ County ada
Lat. 43 ° 25.608 (Deg. and Decimal minutes)
Long. 116 °17.611 (Deg. and Decimal minutes)
Address of Well Site S.Cole
(Give at least name of road + Distance to Road or Landmark) City Kuna
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 ___

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
3/4 bentonite	270	250	750 lbs	pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☐ N Method ___
Manufactured screen ☐ Y ☐ N Type ___
Method of installation ___

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe ___ Length of Tailpipe ___
Packer ☐ Y ☐ N Type ___

10.FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	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) 293 Static water level (ft) 236
Water temp. (°F) 70 Bottom hole temp. (°F) 70
Describe access port flat plate

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
22	2980	6 hr

Test method:

Pump	Bailer	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	Water N
20	445	447	brown clay		x
20	447	496	gravel	x	
20	496	511	brown clay		x
20	511	513	gravel	x	
20	513	516	brown clay		x
20	516	519	gravel	x	
20	519	536	brown clay		x
20	536	540	gravel	x	
20	540	547	brown clay		x
20	547	549	gravel	x	
20	549	551	brown clay		x
20	551	569	gravel	x	
20	569	575	brown clay		x

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Completed Depth (Measurable): 575
Date Started: 9-14-14 Date Completed: 11-21-14

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 Treasure Valley Drilling Co. No. 560
*Principal Driller Monte Post Date 11-30-14
*Driller Jeremy Bullock Date 11-30-14
*Operator II ___ Date ___
Operator I ___ Date ___

* Signature of Principal Driller and rig operator are required.

Irrigation Well 3

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D0071844
Drilling Permit No. _____
Water right or injection well # 63-33207-3403863-32680

2. OWNER:
Name JR Simplot Company
Address PO box 27
City Boise State Idaho Zip 83707

3.WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec. 14 ____ 1/4 (10 acres) NE 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot _____ County Ada
Lat. 43 ° 25.154 (Deg. and Decimal minutes)
Long. 116 ° 17.628 (Deg. and Decimal minutes)
Address of Well Site West of S. Cole rd. south of train tracks
(Give at least name of road + Distance to Road or Landmark) City Kuna
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 _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
3/8 chip	0	53	15800	overbore
3/8 chip	280	265	500lbs	overbore

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
26	0	53	.375	steel	☒	☐	☐	☒
20	+1	280	.375	steel	☒	☐	☐	☒
16	257	345	.375	steel	☒	☐	☐	☒
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☐ N Method _____
Manufactured screen ☒ Y ☐ N Type Johnson S.S.
Method of installation set in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
545	345	.040		16"	S.S	.250

Length of Headpipe _____ Length of Tailpipe _____
Packer ☒ Y ☐ N Type Double k 257-255

10.FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
6-9 silica	545	273	8700lbs	overbore

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) 280 Static water level (ft) 270
Water temp. (°F) 74 Bottom hole temp. (°F) _____
Describe access port flat plate

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
60'	3425	

Test method: Pump ☐ Bailer ☐ 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	Water N
36	0	4	top soil		
36	4	12	sand		
36	42	53	brown clay		
25	53	78	black basalt		
25	78	86	red cinder		
25	86	192	black basalt		
25	192	204	brown clay		
25	204	227	sand and brown clay		
25	227	259	fractured basalt		
25	259	271	brown sand		
25	271	280	basalt	X	
19	280	303	basalt	X	
19	303	309	fractured basalt	X	
19	309	318	baked brown clay		
19	318	324	sticky brown clay		
19	324	326	brown silt	X	
19	326	329	sticky brown clay		
19	329	334	fine brown sand and silt		
19	334	347	sticky brown clay		
19	347	349	fine brown sand	X	
19	349	357	sticky brown clay		
19	357	368	cemented sand	X	
19	368	370	sticky brown clay		
19	370	394	brown sand and pea gravel	X	
19	394	417	sticky brown clay		
19	417	436	brown sand	X	
19	436	444	sticky brown clay		
19	444	529	brown sand with small clay seams		
19	529	555	sticky tan clay		

Completed Depth (Measurable): 545
Date Started: 5-15-16 Date Completed: 6-30-16

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 Treasure Valley Drilling Co. No. 560
*Principal Driller _____ Date Jul 26, 2016
*Driller _____ Date Jul 26, 2016
*Operator II _____ Date Jul 27 2016
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Monitoring Well

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066301
Drilling Permit No. 965601-871660
Water right or injection well #

2. OWNER
Name Ray Montierth
Address 825 Hearland Dr
City Nampa State Id Zip 83686

3. WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec. 12 NE 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot County Ada
Lat. 43 ° 25.967 (Deg. and Decimal minutes)
Long. 116 ° 16.803 (Deg. and Decimal minutes)
Address of Well Site 1/4 mi.w.of Cole Rd 1/4 mi.s.of railroad ROW
City Kuna
(Give at least name of road • Distance to Road or Landmark)
Lot. Blk. 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 (lbs or ft³)	Placement method/procedure
gran/bentoni	0	80	3600/lbs	pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
10	+3	4	.250	steel	☒	☐	☐	☒
6	+2	378	.250	steel	☒	☐	☐	☒
5	368	388	.250	steel	☒	☐	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 376

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method
Manufactured screen ☒ Y ☐ N Type johnson
Method of installation set in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
388	398	.16	10 ft	5	ss	.250

Length of Headpipe 20 Length of Tailpipe
Packer ☒ Y ☐ N Type neoprene

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG)
Describe control device

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12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 280 Static water level (ft) 268
Water temp. (°F) 72 Bottom hole temp. (°F)
Describe access port cap

Well test: Test method:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
122	40	2hr	☐	☐	☒	☐

Water Quality test or comments: tested great, no smell, no sand

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	Water N
10	0	2	top soil		X
10	2	9	brokin up lava		X
10	9	37	black lava		X
10	37	40	soft		X
8	39	46	brown lava		X
8	46	68	black lava		X
8	68	70	brown lava		X
8	70	84	black lava		X
8	84	86	fractured lava		X
8	86	88	crack		X
8	88	127	lava		X
8	127	131	soft lava		X
8	131	162	lava		X
8	162	170	soft lava		X
8	170	230	lava		X
8	230	238	sinders		X
6	238	262	gravel	X	
6	262	268	clay		X
6	268	340	gravel sand	X	
6	340	343	clay		X
6	343	347	gravel	X	
6	347	351	clay		X
6	351	356	sand	X	
6	356	360	clay		X
6	360	367	sand	X	
6	367	370	clay		X
6	370	375	sand	X	
6	375	378	clay		X
6	378	385	gravel	X	
6	385	387	clay		X
6	387	404	corse sand	X	

Completed Depth (Measurable) 398
Date: Started July 8, 2014 Completed July 20, 2014

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 Treasure Valley Drilling Co. No. 560
*Principal Driller Monte Post Date 4-3-15
*Driller Date
*Operator II Date
Operator I Mike Lanagan Date 4-3-15
*Signature of Principal Driller and rig operator are required.

Appendix C
Irrigation Well No. 3 Testing Data

AURORA PUMP GS
A UNIT OF GENERAL SIGNAL
1760 Kimberly Road
P. O. Box 892
Twin Falls, Idaho 83301

WELL TEST REPORT

NAME Simplot Well #3 DATE 7-18-16

LOCATION Kuna

WELL DEPTH 505' WELL SIZE CASING

TEST PUMP SETTING 440' BOWLS 4 stgs 14 ORIFICE SIZE 10" std. 9 1/4" orifice

STATIC WATER LEVEL 242' STARTING TIME 12:30

TIME	PUMPING LEVEL	ORIFICE READING	G.P.M.	MINERS INCHES
12:30	256'	—	—	STARTED DIRTY/CLEARED QUICK.
1:00	265'	5 1/2"	—	CLEAR/CLOUDY
1:30		HAD OIL LEAK NEEDED FILED SHUT DOWN		SET MOTOR BACK TO 1500 RPM
2:00	274'	9 1/2"	1850	CLEAR
2:30	286'	14 1/2"	2125	"
3:00	295'	18 1/2"	2325	"
3:30	301'	24"	2575	"
4:00	318'	29 1/2"	2825	"
		SHUT DOWN.		
	7-19-16	START UP 9:00	STATIC 244'	
9:30	318'	36 3/4"	3120	MAXED AT 2100 RPM CLEAN
10:00	332'	43 1/4"	3390	"
10:30	334'	43"	3375	"
11:00	337'	42 1/2	3350	"
11:30	337'	42 1/2"	3350	"
12:00		SAME		SURGED WELL
REMARKS: 12:30	327'	43"	3375	STAYED CLEAN SURGED
1:00	320'	44"	3425	

PAGE #1

AURORA PUMP GS
A UNIT OF GENERAL SIGNAL
1760 Kimberly Road
P.O. Box 892
Twin Falls, Idaho 83301

WELL TEST REPORT

NAME Simplot DATE 7-19-16

LOCATION Kuna, ID

WELL DEPTH 505' WELL SIZE CASING

TEST PUMP SETTING 440' BOWLS 4 STG 14 ORIFICE SIZE 10" STD x 9 1/4" ORIFICE

STATIC WATER LEVEL STARTING TIME

TIME	PUMPING LEVEL	ORIFICE READING	G.P.M.	MINERS INCHES
1:30	320'	44"	3425	CLEAN / SURGE
2:00		SAME		
		START RECOVERY		
2:15	309'	36 1/2"	3119	CLEAN
2:30	304'	30"	2850	CLEAN
2:45	295'	22 1/4"	2519	CLEAN
3:00	286'	16 1/4	2225	CLEAN
3:15	274'	9 1/4	1925	CLEAN
		SHUT DOWN		

REMARKS:

PAGE #2

Appendix D
Water Level Data

APPENDIX D

SUBMITTED AS A DISC

PLEASE SEE PC DOCS FOR THE EXCEL FILE