SPF WATER ENGINEERING

March 17, 2020

Manuel Rauhut
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, 63-34038, 63-34221, and 63-34202*

Dear Manuel:

Accompanying this letter, please find one copy of the 2019 monitoring report for permits 63-32680, 63-33207, 63-33296, 63-34038, 63-34221, and 63-34202.

This report presents the sixth year of monitoring under permits 63-32680 and 63-33296, the fourth year of monitoring under permits 63-33207 and 63-34038, the third year of monitoring under permit 63-34202, and the second year of monitoring under permits 63-34221. These permits share some of the same diversion points so we have combined the monitoring data into a single comprehensive report. An excel spreadsheet of the water level data (Appendix D) will be provided to IDWR in a separate email through a file sharing website.

Please contact me with any questions.

Sincerely,

Terry M. Scanlan, P.E., P.G.
Principal Engineer/Hydrogeologist

Enclosure

Cc: Steve Meyer – CS Beef Packers
Vic Conrad – JR Simplot Company
Ann Vonde, Deputy Attorney General – Attorney for Idaho Department of Corrections
Michael Lawrence, Givens Pursley – Attorney for Suez

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2019 MONITORING REPORT FOR WATER RIGHT PERMIT NOS. 63-32680, 63-33207, 63-33296, 63-34038, 63-34202, AND 63-34221

Prepared for

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Prepared by

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March 2020

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Executive Summary

This report is the sixth annual report prepared as required by the monitoring plan for water right permits 63-32680 and 63-33296 and the fourth annual report prepared for permits 63-34038 and 63-33207. Additionally, this is the second year that this report contains data for permits 63-34202 and 63-34221.

2019 Permit Activities

1. Four irrigation supply wells (Irrigation Wells No. 1, No. 2, No. 3, and No. 4) were monitored throughout the 2019 irrigation season.
2. Two industrial supply wells (Plant Wells 1 and 2) for the CS Beef packing plant were monitored throughout 2019.
3. A new monitoring tube was installed in Irrigation Well No. 1 in June 2019. However, there was an obstruction in the tube so it was removed and another monitoring tube was installed in July. Manual water levels could then be measured, but a Solinst Levelogger (0.845-inch diameter) did not fit so a Van Essen Micro-Diver with a smaller diameter (0.71-inch) was installed instead. The Micro-Diver has been recording data since July.
4. A transducer was installed in the Drill Water Supply Well in January 2018 to act as a surrogate for Irrigation Well No. 1. On January 22, 2020, the transducer was pulled and data was downloaded. When the transducer was reinstalled, it became lodged in the well and could not be removed.
5. The pump and motor for Irrigation Well No. 2 were removed due to excessive vibration in August and the transducer was lost down the well. A new monitoring tube was installed when the pump was replaced and a logger on direct-read cable was deployed in January 2020.
6. A new Solinst Edge transducer was installed in Irrigation Well No. 3 on December 29, 2017 to a depth of approximately 260 feet. The logger maintained consistent records throughout 2019. Water-level measurements are difficult in this well due to a thick oil layer on top of the water in the well.
7. Irrigation Well No. 4 was used for its first full irrigation season in 2019. The well is only equipped with an airline because there is no access port in the well head which prevents installation of the permit-required sounding tube. Airline water levels and flow meter data were consistently recorded throughout 2019.
8. Water-level data was lost due to December 27, 2018 to January 28, 2019 and from January 30, 2019 to February 28, 2019 due to transducer malfunction. A new Solinst Edge logger was installed using the same cable on February 28, 2019.

9. A Solinst Edge water-level data logger was installed in Plant Well No. 2 on October 4, 2018 for monitoring purposes associated with permit 63-34221. The logger maintained consistent records throughout 2019.
10. Based on the surveyed measuring point elevation at the Monitoring Well, static water-level elevations at the Monitoring Well ranged from approximately 2587 to 2595 feet during 2019. Water levels in December 2019 were roughly 1 foot lower compared to December 2018.
11. For the 2019 irrigation season, the totalizer on Irrigation Well No. 1 provides a total diversion volume of 1,088.9 acre-feet, the totalizer on Irrigation Well No. 2 provides a total diversion volume of 599.6 acre-feet, the totalizer on Irrigation Well No. 3 provides a total diversion volume of 887.7 acre-feet, and the totalizer on Irrigation Well No. 4 provides a total diversion volume of 355.1 acre-feet. The total diversion volume for the four irrigation wells in 2019 is then 2,931 acre-feet.
12. Total diversion volume in 2019 was approximately 693.8 acre-feet for Plant Well 1 (East) and 625.3 acre-feet for Plant Well 2 (West), which is equivalent to a total diversion volume of 1,319 acre-feet. These diversions are covered by permits 63-33207 and 63-34038.

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1. BACKGROUND

1.1. Applicable Water Right Permits

Six 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 permit 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 right permit 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 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 (Appendix A). 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

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 permit authorized 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. The permit authorized 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. Statements of completion for submitting proof of beneficial for 63-32680 and 63-33296 were submitted to the Idaho Department of Water Resources (IDWR) on June 20, 2018.

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. There is a 700-acre-foot annual diversion limit associated with this permit. 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.

1.1.4. Permit 63-34202

CS Property Development LLC applied for water right 63-34202 on February 29, 2016 seeking 4.96 cfs for irrigation of 248 acres. The permit was approved April 21, 2017 and requires monthly recording of flow rates diversion volumes, and water levels at the points of diversion. An annual report is not required, but a report will be needed for submission with proof of beneficial use.

1.1.5. Permit 63-34221

Ray and Susan Montierth applied for water right 63-33884 on December 6, 2013, then submitted an amended application on February 2, 2015 and a second amended application on March 16, 2015. A portion of 63-33884 was subsequently assigned to J.R. Simplot Company on September 28, 2015 and the assigned portion was renumbered to 63-34221. Permit 63-34221 sought 0.44 cfs for irrigation of up to 22 acres within a 147-acre permissible place of use. J.R. Simplot Company then assigned permit 63-34221 to CS Property Development LLC on May 26, 2016, who amended the permit on August 16, 2017. The permit requires monthly flow rate and diversion volume

records as well as installation of a permanent water-level transducer in one of the production wells. Water-level measurements are not required on a monthly basis, but manual water levels are to be taken approximately 30 days before and after irrigation season. No annual report is required, but a report will be needed for submission with proof of beneficial use.

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, and one irrigation well was constructed (Irrigation Well 4) in 2018.

Well locations and authorized diversion points are summarized in Table 1 and driller's reports for each listed well are provided in Appendix B.

Center pivot sprinklers were installed in the winter of 2014-15, and irrigation began in 2015. Additional pivot sprinklers were installed in 2017.

Table 1. Authorized Points of Diversion and Well Locations

					Authorized Point of Diversion					
Township	Range	Section	1/4-1/4	Well	63-34038	63-33207	63-32680	63-33296	63-34221	63-34202
1N	1E	11	SWSE		X	X	X			X
1N	1E	11	SESE		X	X	X			X
1N	1E	12	SWNW		X	X		X		X
1N	1E	12	SENW		X	X		X		X
1N	1E	13	NWNE		X	X		X		X
1N	1E	13	NWNW	Irr. Well 2	X	X		X		X
1N	1E	13	NESE		X	X		X		X
1N	1E	14	NENE	Irr Well 1	X	X	X			X
1N	1E	14	NWNE		X	X	X			X
1N	1E	14	SWNE		X	X	X			X
1N	1E	14	SENE		X	X	X			X
1N	1E	14	NESE	Irr. Well 3	X	X	X			X
1N	1E	14	NWSE		X	X	X			X
1N	2E	6	NWSW Lt6		X	X				
1N	2E	6	NWSW Lt6		X	X				
1N	2E	6	SWSW Lt7	Plant Well 1	X	X			X	
1N	2E	6	SWSW Lt7	Plant Well 2	X	X			X	
1N	2E	6	SESW	Irr. Well 4					X	

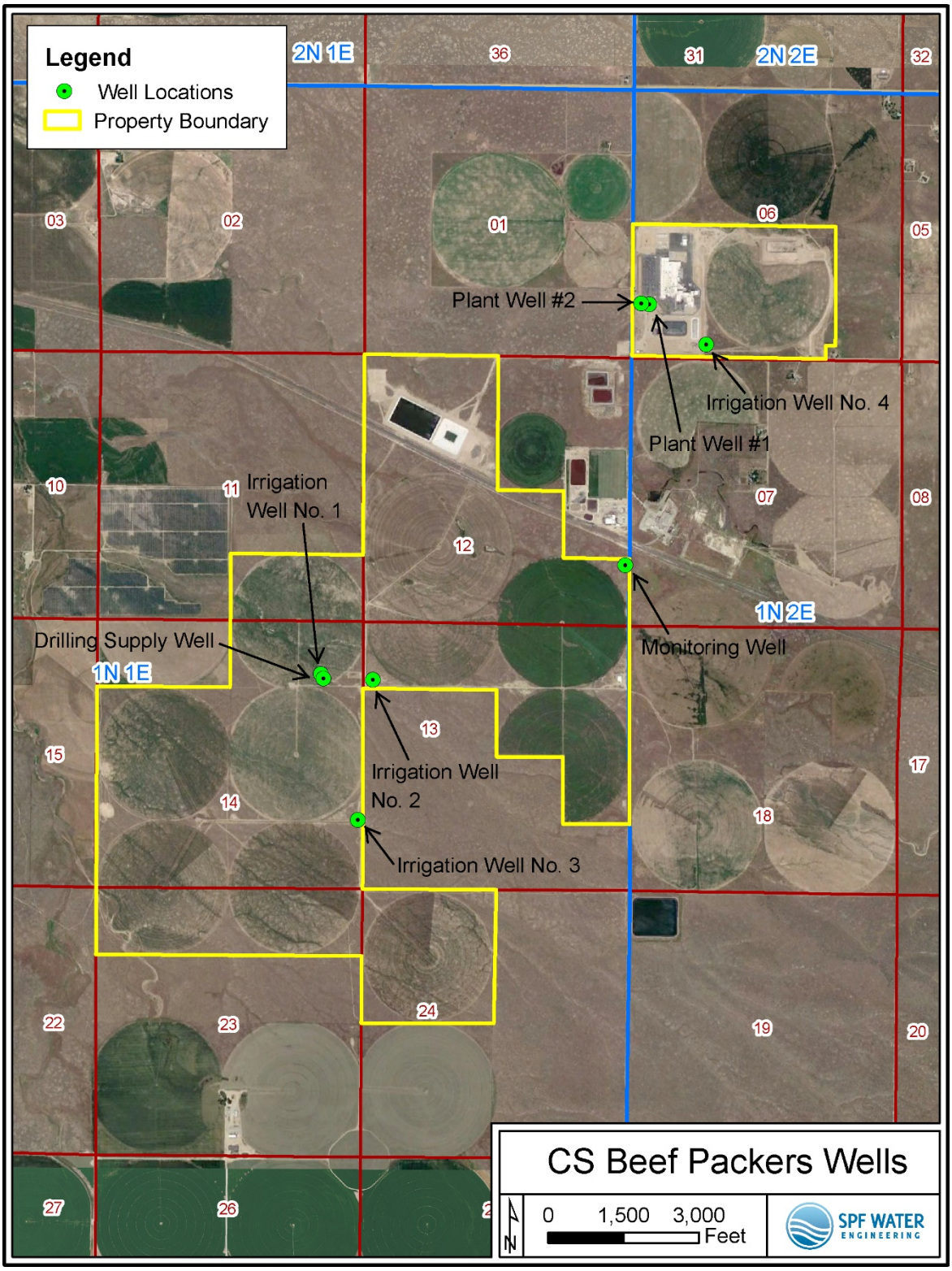


Figure 1. Project Location Map

2. 2019 ACTIVITIES

2.1. Water Level Monitoring

Water-level data from electronic transducers in the irrigation wells and Monitoring Well are required to be collected 3 times per year. The current schedule specifies that these events should occur between January 15th and 30th, March 1st and 15th, and November 15th and 30th of each year. During the data collection events, manual groundwater-level measurements are also to be taken at each well with a non-stretch electric well sounder, and flow meter readings should be recorded. Monthly airline water-level measurements and flow meter readings are also scheduled for each of the four irrigation wells and both of the plant wells.

Monitoring details for each well during the 2019 monitoring period are provided below.

Irrigation Well No. 1. The transducer for Irrigation Well No. 1 was removed on November 29, 2016, but could not be redeployed due to a pinched sounding tube. In 2019, manual water-level measurements were collected in January, March, July, October, and November. Airline water-level measurements were taken in every month except October and November. The airline gauge readings December thru February were taken with incorrect air-line depth setting and were later corrected for the error. Water-level measurements indicate groundwater levels fluctuated approximately 42 feet during the irrigation season and had recovered to within 1 foot of pre-irrigation levels by February 28, 2020.

A new monitoring tube was installed in Irrigation Well No. 1 in June 2019. An attempt was made to get a manual water-level reading through the monitoring tube during that month, but the sounder could not pass an obstruction at approximately 238 feet. The monitoring tube was subsequently removed and reinstalled in July 2019, at which point water levels could be measured again, but a Solinst Levelogger encountered an apparent dent in the tube before reaching the water level. The dent was impassable with the Levelogger (0.875-inch diameter), a new Van Essen Micro-Diver transducer with a smaller diameter (0.71-inch diameter) than the Solinst Levelogger was installed on August 6, 2019 to a depth of approximately 280 feet. The Micro-Diver has been recording water-level data on a 6-hour interval since that time. Data collected from the logger indicates a maximum pumping water-level depth of 256 feet.

Irrigation Well No. 2. Manual water-level measurements to the top of the oil layer in Irrigation Well No. 2 were collected in January, March, May, August, September, and November in 2019. Airline water-level measurements were collected in every month but February and August. Based on manual and airline data, water levels fluctuated roughly 20 feet during the irrigation season and had recovered to within 1.5 feet of pre-irrigation levels by February 28, 2020.

The transducer was removed and its data was downloaded in March 2019. However, when an attempt was made to remove the transducer again in May, it was stuck in the

well. On November 26, 2019 the transducer cable was pulled out and the bottom of the cable appeared to be sheered off. It appears the monitoring tube may have separated and the cable was stuck between a coupler and the casing. Due to this, no transducer data has been available for Irrigation Well No. 2 since March 2019. A new transducer on direct-read cable was installed in January 2020 approximately 20 feet higher. The direct-read cable will allow for collection of water-level data from the transducer without needing to pull the wire out of the well which should prevent the transducer from being lost in the future.

Irrigation Well No. 3. Irrigation Well No. 3 was constructed in 2016 and put into service as a supply well during the 2017 irrigation season. Manual water-level measurements in Irrigation Well No. 3 were collected in January and March for 2019. Airline measurements were taken in every month except February. There is consistently a thick oil layer on top of the water in the well which makes manual water-level measurements difficult and sometimes results in inconsistent readings. Based on manual and airline measurements, water levels in Irrigation Well No. 3 appear to fluctuate roughly 40 feet during the irrigation season and had recovered to within a foot of pre-irrigation levels in 2019.

The Solinst Edge water-level transducer installed in Irrigation Well No. 3 maintained consistent records throughout the year and did not experience any issues. Analysis of the transducer data shows a difference of at least 18 feet between the static and pumping water levels, but the maximum drawdown cannot be determined from the logger data because the hydrograph appears to show that the transducer hangs above the pumping water level for much of the irrigation season. Water levels in Irrigation Well No. 3 had recovered to within approximately 1 foot of the pre-irrigation season levels by February 28, 2020.

Irrigation Well No. 4. Irrigation Well No. 4 was constructed in 2018 to a total depth of 555 feet with casing to 450 feet and stainless-steel screens from 450 to 530 feet. The well was first brought on line towards the end of the 2018 irrigation season. An airline has been installed in the well, although there is some uncertainty about its setting depth and the water-level readings do not match anticipated groundwater levels. Since there is no access port in the well head, a sounder cannot be used to calibrate the airline and a transducer cannot be installed. Airline water levels were recorded in every month but February, April, and June in 2019. Based on these measurements, water levels fluctuated roughly 17 feet during the irrigation season and had recovered to within 3 feet of pre-irrigation water levels by February 28, 2020.

Monitoring Well. A non-stretch electric line well sounder was used to determine water levels in the Monitoring Well in January, February, March, May, November, and December of 2019. The transducer collected data consistently throughout the year and was downloaded in January, March, and November. The manual measurements indicate roughly 3 feet of water level fluctuation over the course of the year, but no manual measurements were taken from June to October during the peak of the

irrigation season. Transducer data shows approximately 8 feet of water-level fluctuation over the course of the irrigation season and the groundwater had recovered to within 2 feet of the pre-irrigation levels by February 28, 2020.

Drill Water Supply Well. The Drill Water Supply Well is located approximately 100 feet southeast of Irrigation Well No. 1 and is a non-production well with no pump installed. Manual water-level measurements were taken in January and March of 2019. A transducer was installed in this well on January 24, 2018 to serve as a surrogate for Irrigation Well No. 1 and data has been collected on a regular basis since then. Irrigation Well No. 1 was equipped with a new transducer in August 2019, and the Drill Water Supply Well logger was going to remain in use as a backup, but on January 22, 2020 after downloading, the transducer got lodged above the water level in the well during reinstallation. We do not plan to replace this transducer as long as Irrigation Well #1 transducer is functioning. The logger data shows a fluctuation of approximately 8.5 feet over the course of the irrigation season. Water levels had recovered to within 2 feet of pre-irrigation depths by January 22, 2020

Plant Well No. 1. Plant Well No. 1 was completed in 2015, but had not been used as a water supply until late spring of 2017 when the CS Beef Packers plant opened. A manual water-level measurement was collected on August 30, 2017 using a well sounder, but subsequent water-level measurements have been taken using an airline to minimize potential for contamination of this public drinking water system well. Airline measurements were taken every month in 2019. The minimum depth to water during the year was 295 feet in July (during a period when the pump was off), and the maximum depth to water was 312.5 feet in September.

Plant Well No. 2. Plant Well No. 2 was also completed in 2015 and first used in 2017. The well is equipped with an airline which is calibrated against a non-stretch well sounder. According to the airline measurements, water levels ranged from a minimum depth to water of 291 feet in May to a maximum depth to water of 311 feet in July. The July depth-to-water was also the only time that the pump was on while an airline measurement was taken. A new Solinst Edge water-level transducer was installed in this well on October 4, 2018 to meet the monitoring requirements of water permit 63-34221. The transducer data shows three distinct water-level trendlines: one when the well is being pumped, one when Plant Well No. 1 is pumping, and one when neither Plant Well is pumping. Water levels fluctuated from roughly 287 to 293 feet with both wells off, from 290 to 296 feet with Plant Well No. 1 pumping, and 305 to 311 feet with Plant Well No. 1 pumping for a total fluctuation of 6 feet on all trendlines.

Water-level data through February 28, 2020 are provided electronically to IDWR and summarized below in Figure 2. Manual water levels include calibrated airline measurements.

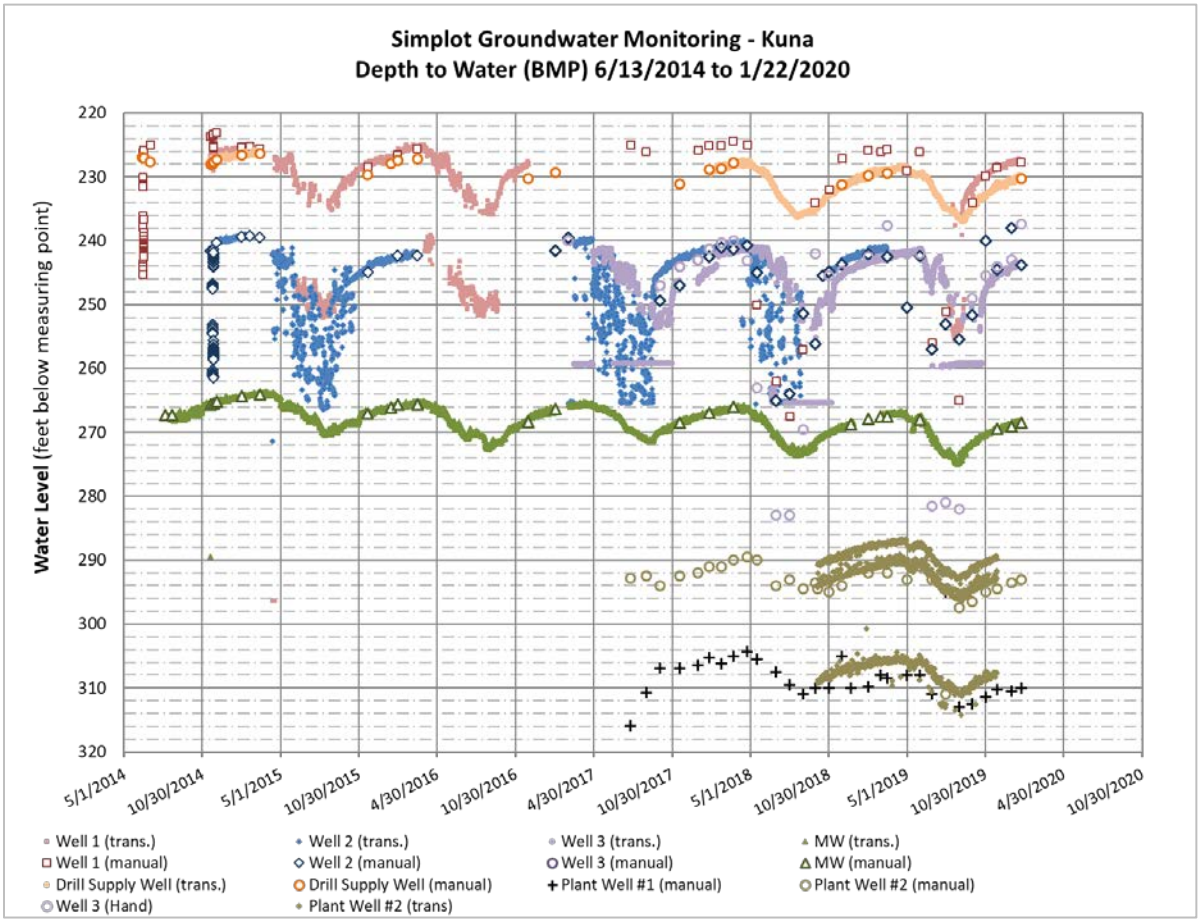


Figure 2. Water-level Hydrograph through January 22, 2020

2.2. Flow Monitoring

All four of the irrigation wells are equipped with electromagnetic flow meters. Irrigation pumping occurred between March 15 and October 31 in 2019. Total volume pumped was 2,931 acre feet.

- The flow meters at Irrigation Well No. 1 and Irrigation Well No. 2 have complete totalizer readings for 2019.
- Irrigation Well No. 3 also has complete flow readings for 2019, but the flow meter screen was broken during the June and July monitoring events. This did not appear to affect the flow meter's operation, although flow rates in August were fluctuating during the monitoring event.
- Table 2 summarizes the monthly instantaneous and totalized flow readings for the Irrigation Wells. Total volumes are based on acre-feet since previous reading.

Table 2. Irrigation Wells Monthly Flow Monitoring (through 12/30/2019)

	Well 1			Well 2			Well 3			Well 4			Total		
Date	Flow (gpm)	Totalizer (af)	AF since previous reading	Flow (gpm)	Totalizer (af)	AF since previous reading	Flow (gpm)	Totalizer (af)	AF since previous reading	Flow (gpm)	Totalizer (af)	AF since previous reading	Flow (gpm)	Flow (cfs)	Volume (af)
4/23/2015	0	23.21		0	23.21		---	---	---	---	---	---	0	0.00	46.4
5/29/2015	0	23.21	0.00	1094	81.87	58.66	---	---	---	---	---	---	1094	2.44	105.1
6/29/2015	2393	211.38	188.17	2008	243.04	161.17	---	---	---	---	---	---	4401	9.81	454.4
7/31/2015	0	446.35	234.97	2326.5	373.97	130.93	---	---	---	---	---	---	2326.5	5.18	820.3
8/27/2015	2368	705.09	258.74	764.2	489.42	115.45	---	---	---	---	---	---	3132.2	6.98	1194.5
10/1/2015	0	752.77	47.68	0	529.20	39.78	---	---	---	---	---	---	0	0.00	1282.0
10/30/2015	0	752.77	0.00	0	542.96	13.76	---	---	---	---	---	---	0	0.00	1295.7
1/29/2016	0	752.77	0.00	0	542.96	0.00	---	---	---	---	---	---	0	0.00	1295.7
3/15/2016	0	752.77	0.00	0	542.96	0.00	---	---	---	---	---	---	0	0.00	1295.7
4/30/2016	0	843.96	91.19	1411.5	543.71	0.75	---	---	---	---	---	---	1411.5	3.14	1387.7
6/8/2016	0	876.21	32.25	2145.5	569.25	25.54	---	---	---	---	---	---	2145.5	4.78	1445.5
6/29/2016	2479.1	980.51	104.30	2393.7	614.01	44.76	---	---	---	---	---	---	4872.8	10.86	1594.5
7/28/2016	2371.5	1168.80	188.29	2676.3	681.90	67.89	---	---	---	---	---	---	5047.8	11.25	1850.7
9/2/2016	2342	1458.24	289.44	1176.4	818.84	136.94	---	---	---	---	---	---	3518.4	7.84	2277.1
10/3/2016	0	1576.30	118.06	0	863.25	44.41	---	---	---	---	---	---	0	0.00	2439.6
10/31/2016	0	1576.30	0.00	0	870.61	7.36	---	---	---	---	---	---	0	0.00	2446.9
11/29/2016	0	1576.30	0.00	0	870.61	0.00	---	---	---	---	---	---	0	0.00	2446.9
1/30/2017	0	1576.30	0.00	0	870.61	0.00	---	---	---	---	---	---	0	0.00	2446.9
3/15/2017	0	1576.30	0.00	0	870.61	0.00	---	---	---	---	---	---	0	0.00	2446.9
4/27/2017	0	1606.02	29.72	0	888.09	17.48	---	---	---	---	---	---	0	0.00	2494.1
5/31/2017	2278	1867.29	261.27	314.8	983.07	94.98	---	---	---	---	---	---	2592.8	5.78	2909.3
6/30/2017	(1)	(1)		0	1012.21	29.14	---	---	---	---	---	---	0	0.00	0.0
7/25/2017	(2)	(2)		1563.7	1032.15	19.94	---	321.88	262.99	---	---	---	5432.7	12.10	1352.0
8/30/2017	(1)	(1)		2519.3	1046.20	14.05	---	613.15	291.27	---	---	---	9987.8	22.25	1658.3
10/2/2017	0	3.08	3.22	0	1052.91	6.71	---	757.97	144.82	---	---	---	0	0.00	1814.0
11/17/2017	0	19.03	15.80	0	1052.91	0.00	---	758.23	0.26	---	---	---	0	0.00	1830.2
12/29/2017	0	19.03	0.00	0	1052.91	0.00	---	758.23	0.00	---	---	---	0	0.00	1830.2
1/24/2018	0	19.03	0.00	0	1052.91	0.00	0	760.25	2.03	---	---	---	0	0.00	1832.2
2/21/2018	0	19.03	0.00	0	1052.91	0.00	0	761.36	1.11	---	---	---	0	0.00	1833.3
3/22/2018	0	19.03	0.00	0	1052.91	0.00	0	-	-	---	---	---	0	0.00	1833.3
4/23/2018	0	19.64	0.61	0	1062.85	9.94	0	797.49	36.13	---	---	---	0	0.00	1880.0
5/15/2018	0	19.64	0.00	0	1078.58	15.73	(1)	1023.51	226.01	---	---	---	0	0.00	2121.7
6/29/2018	2345	107.69	88.05	2628	1284.30	205.72	2680	1295.02	271.51	---	---	---	7653	17.05	2687.0
7/31/2018	2209	146.51	38.82	2225	1532.19	247.89	2640	1619.82	324.81	---	---	---	7074	15.76	3298.5
8/31/2018	2188	101.67	262.05	0	1685.95	153.76	1850	1839.49	219.66	---	---	---	4038	9.00	3934.0
9/28/2018	0	26.05	231.27	0	1745.65	59.70	0	1956.45	116.96	---	---	---	0	0.00	4341.9
10/31/2018	0	26.05	0.00		1745.65	0.00	0	1956.45	0.00	---	---	---	0	0.00	4341.9
11/30/2018	0	26.05	0.00	0	1745.65	0.00	0	1956.45	0.00	---	---	---	0	0.00	4341.9
1/30/2019	0	639.83	0.00	0	1745.65	0.00	0	1956.45	0.00	0.00	2.46	-0.55	0.00	0.00	4341.4
2/28/2019	0	639.89	0.06	0	1745.65	0.00	---	---	---	---	---	---	0.00	0.00	4341.5
3/15/2019	0	639.89	0.00	0	1745.65	0.00	0	1956.45	0.00	0.00	2.46	0.00	0.00	0.00	4341.5
4/30/2019	0	639.89	0.00	1843	1751.07	5.42	0	1956.73	0.28	---	---	---	1843.00	4.11	4347.1
5/30/2019	0	917.90	278.01	0	1819.27	68.20	0	1967.22	10.50	0.00	1.49	-0.97	0.00	0.00	4702.9
6/28/2019	2226	1040.35	122.45	1812.7	1952.41	133.14	2600	2166.00	198.78	---	---	---	6638.70	14.79	5157.3
7/30/2019	2235	1332.82	292.46	745	2163.40	210.99	2630	2421.92	255.92	708.00	271.08	269.59	6318.00	14.08	6186.2
8/30/2019	2328	1638.48	305.66	0	2278.60	115.20	2700	2774.05	352.13	753.00	330.95	59.87	5781.00	12.88	7019.1
9/30/2019	0	1728.70	90.23	836	2341.69	63.09	0	2844.01	69.96	0.00	346.62	15.68	836.00	1.86	7258.0
10/31/2019	0	1728.70	0.00	0	2345.28	3.59	0	2844.11	0.10	0.00	356.00	9.37	0.00	0.00	7271.1
11/26/2019	0	1728.70	0.00	0	2345.28	0.00	0	2844.11	0.00	0.00	357.23	1.23	0.00	0.00	7272.3
12/30/2019	0	1728.70	0.00	0	2345.28	0.00	0	2844.11	0.00	0.00	357.53	0.00	0.00	0.00	7272.3

(1)- Flow Meter Inoperative, (2) – Flow Meter Missing,
(3) – Flow meter totalizing in gallons, appears to be rolling over at 100 million gallons

The two plant wells were put into service in 2017 and both are equipped with electromagnetic flow meters. These wells are used year-round to supply water to the CS

Beef Packers plant. From December 21, 2018 to December 30, 2019, Plant Well No. 1 provided 694 acre-feet to the plant and Plant Well No. 2 supplied 626 acre-feet for a combined volume of 1,320 acre-feet. Table 4 provides a summary of the recorded instantaneous and totalized flows from the Plant Wells.

Table 3. Plant Wells Monthly Flow Monitoring

Date	Plant Well #1		Plant Well #2		Total		
	Flow (gpm)	Totalizer (af)	Flow (gpm)	Totalizer (af)	Flow (gpm)	Flow (cfs)	Volume (af)
7/25/2017	1247	0	0	3.87	1247	2.74	3.87
8/30/2017	1245	0	0	17.56	1245	2.74	17.56
10/2/2017	1236	0	0	54.80	1236	2.72	54.80
11/17/2017	1237	637.28	0	120.64	1237	2.72	757.93
12/29/2017	1243	713.18	0	175.56	1243	2.73	888.74
1/24/2018	1242	760.99	0	207.24	1242	2.73	968.2
2/21/2018	1252	819.42	0	240.75	1252	2.75	1060.2
3/22/2018	1241	876.47	0	279.58	1241	2.73	1156.0
4/23/2018	1242	934.17	0	325.00	1242	2.73	1259.2
5/15/2018	1238	979.28	0	359.06	1238	2.72	1338.3
6/29/2018	1115	1061.74	0	440.39	1115	2.45	1502.1
7/31/2018	1113	1108.76	0	491.91	1113	2.45	1600.7
8/31/2018	1116	1158.01	0	547.46	1116	2.46	1705.5
9/28/2018	1112	1208.13	0	583.27	1112	2.45	1791.4
10/31/2018	1113	1262.36	0	633.11	1113	2.45	1895.5
11/30/2018	1113	1313.39	0	683.69	1113	2.45	1997.1
12/21/2018	1113	1350.68	0	717.14	1113	2.45	2067.82
1/30/2019	1117	1417.76	0	786.25	1117	2.46	2204.0
2/28/2019	1119	1472.51	0	832.31	1119	2.46	2304.8
3/15/2019	1120	1498.78	0	857.63	1120	2.46	2356.4
4/30/2019	1121	1583.13	0	932.85	1121	2.47	2516.0
5/30/2019	1120	1638.77	0	986.92	1120	2.46	2625.7
6/28/2019	1115	1698.21	0	1038.93	1115	2.45	2737.1
7/30/2019	0	1760.62	1093	1092.83	1093	2.40	2853.5
8/30/2019	1108	1818.93	0	1144.69	1108	2.44	2963.6
9/30/2019	1108	1875.70	0	1190.38	1108	2.44	3066.1
10/31/2019	1111	1936.47	0	1243.82	1111	2.44	3180.3
11/26/2019	1111	1985.57	0	1288.01	1111	2.44	3273.6
12/30/2019	1117	2044.49	0	1342.77	1117	2.46	3387.26

3. SUMMARY

1. Monitoring was conducted in 2019 as required for permits 63-32680, 63-33296, 63-33207, 63-34038, 63-34202, and 63-34221.
2. A new monitoring tube has been installed in Irrigation Well No. 1 as of July 2019. A Van Essen Micro-Diver water-level transducer has been installed in the well and has been collecting data since that time. No issues have been observed since the transducer was installed.
3. The last readings retrieved from a transducer in Irrigation Well #2 was on March 15, 2019. Since that data retrieval the transducer was stuck in the well and was found sheared off on November 26, 2019. This transducer was replaced on January 22, 2020 with a transducer hung on a direct read cable approximately 20 feet higher.
4. Irrigation Well No. 3 was utilized throughout the 2019 irrigation season. There were no issues with the transducer during this monitoring year.
5. The 2019 irrigation season was the first full season for Irrigation Well No. 4. An airline has been installed in the well, but no sounder access is available and the airline water-level measurements are suspect.
6. Irrigation diversions in 2019 occurred from Irrigation Wells No. 1, No. 2, No. 3, and No. 4. Total diversion volumes for the four wells was determined based on totalizer readings collected from each of the well sites. The combined total diversion volume was approximately 2,931.2 acre-feet in 2019 with 1,088.9 acre-feet from Well No. 1, 599.6 acre-feet from Well No. 2, 887.7 acre-feet from Well No. 3, and 355.1 acre-feet from Well No. 4.
7. The 2019 water-level fluctuation in the Monitoring Well was approximately 8 feet. There was an approximate 0.70-foot water-level decrease between January 2019 and January 2020.
8. Plant Wells #1 (East) and #2 (West) were used throughout 2019 to supply industrial water for the CS Beef Packers plant. The wells are equipped with airlines for water-level measurements and electromagnetic flow meters. Total combined diversion volume was approximately 1,319.5 acre-feet in 2019 based on readings from the flow meter totalizers.

Appendix A
Water Right Reports and
63-32680/63-33296 Monitoring Plan

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

WATER RIGHT REPORT

4/25/2019
IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report
WATER RIGHT NO. 63-34202

Owner Type	Name and Address
Current Owner	CS PROPERTY DEVELOPMENT LLC PO BOX 27 BOISE, ID 83707 2083362110
Security Interest	WELLS FARGO BANK FOOD & AGRIBUSINESS COMMERCIAL BANKING OFFICE 905 S FILLMORE STE 701 MAC T3005-072 AMARILLO, TX 79101 8063713769

Priority Date: 02/29/2016
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/01	11/01	4.96 CFS	
Total Diversion			4.96 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

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	14		SWSE	31		SESE	31						
		23		NENE	31		NWNE	31						
		24		NENW	31		NWNW	31		SWNW	31		SENW	31

Total Acres: 248
Conditions of Approval:

1.		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.
2.		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.
3.	073	Diversion and use of water with a temperature greater than 85 degrees Fahrenheit is not authorized under this right.
4.		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.
5.	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.
6.	004	This right does not grant any right-of-way or easement across the land of another.
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.	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.
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.	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: 05/01/2022
Proof Made Date:

Approved Date: 04/21/2017
Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Application Received Date: 02/29/2016
Protest Deadline Date: 02/20/2017
Number of Protests: 1
Field Exam Date::
Date Sent to State Off:
Date Received at State Off:

Other Information:
State or Federal:
Owner Name Connector:
Water District Number: TBD
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

WATER RIGHT REPORT

4/25/2019
IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report
WATER RIGHT NO. 63-34221

Owner Type	Name and Address
Current Owner	CS PROPERTY DEVELOPMENT LLC PO BOX 27 BOISE, ID 83707 2083362110
Security Interest	WELLS FARGO BANK FOOD & AGRIBUSINESS COMMERCIAL BANKING OFFICE 905 S FILLMORE STE 701 MAC T3005-072 AMARILLO, TX 79101 8063713769

Priority Date: 02/02/2015
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/01	11/15	0.44 CFS	
Total Diversion			0.44 CFS	

Location of Point(s) of Diversion:

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
GROUND WATER	SESW	Sec. 06	Township 01N	Range 02E	ADA County

IRRIGATION Use:
Acre Limit: 22
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	02E	6		NESW	40		SESW	40						
				NWSE	34		SWSE	33						

Total Acres: 147
Conditions of Approval:

1.	X27	This right is limited to the irrigation of 22 acres within the authorized place of use in a single irrigation season.

2.	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.
3.		Each authorized point of diversion constructed after issuance of this permit shall contain a dedicated sounding tube extending from above ground level to near the top of the pump bowls to facilitate groundwater-level measurements.
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 otherwise by the Department. The records shall be made available to the Department upon request.
5.		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 approximately thirty (30) days before the start and approximately thirty (30) days following cessation of seasonal irrigation 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.
6.		At least one production well shall be equipped with a non-vented submersible pressure transducer/digital data logger suspended by stainless steel cable of a known length and at a depth that will allow the pressure transducer to always remain submerged. The submersible pressure transducer(s) shall be housed in a sounding tube. The data logger shall be set to collect two (2) water level and temperature readings per day on a year-round basis.
7.	020	The diversion and use of water described in this right may be subject to additional conditions and limitations agreed to by the protestant and the right holder under a separate agreement to which the Department is not a party. Because the Department is not a party, the Department is not responsible for enforcement of any aspect of the agreement not specifically addressed in other conditions herein. Enforcement of those portions of the agreement not specifically addressed in other conditions shall be the responsibility of the protestant and the water right holder.
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. The report shall include raw water level measurements, barometrically corrected water level data, and diversion data. 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.	069	Failure of the right holder to comply with any condition of approval is cause for the Director to cancel this permit.
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.	004	This right does not grant any right-of-way or easement across the land of another.

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.	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.

Dates:
Proof Due Date: 10/01/2021
Proof Made Date:
Approved Date: 09/20/2016
Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Application Received Date: 08/16/2017
Protest Deadline Date: 03/05/2018
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: TBD
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

Monitoring, Recording, and Reporting Plan
Applications for Permit 63-32680 and 63-33296

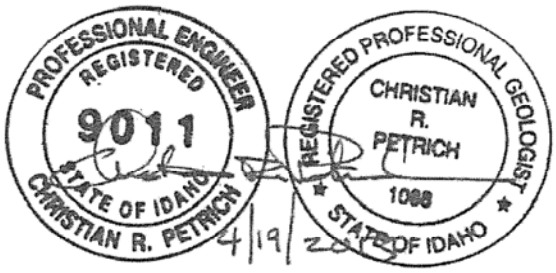
Submitted by

Kirkwood Bank & Trust Company
2911 N. 14th Street, Suite 101
Bismarck, North Dakota 58503

Pete Jahner, Senior Vice President
Kirkwood Bank & Trust Company

Prepared by

SPF Water Engineering, LLC
300 East Mallard, Suite 350
Boise, Idaho 83706
(208) 383-4140



April 19, 2013

SPF WATER ENGINEERING

Exhibit A

1. INTRODUCTION

This document presents a monitoring plan for Applications 63-32680 and 63-33296. The monitoring plan is based on (1) anticipated Idaho Department of Water Resources (IDWR) requirements and (2) a Stipulation and Joined Motion to Approve Conditions, signed by the Kirkwood Bank & Trust Company ("Applicant," "Kirkwood," or "Right Holder"), United Water Idaho Inc. ("United Water"), and Idaho Department of Correction ("IDOC"), completed on December 13, 2012.

Application for Permit 63-32680 and amended Application for Permit 63-33296 request authorization to divert 11.76 cfs of ground water for the irrigation of 784 acres in Township 1 North, Range 1 East. The places of use (POUs) under both applications are overlapping, and are located between Cloverdale and Cole roads approximately eight miles southeast of the City of Kuna (Figures 1 and 2).

2. MONITORING PLAN

This monitoring plan includes the construction of a dedicated monitoring well, discharge measurements from production wells, and groundwater-level measurements in production and monitoring wells. Specifically, the monitoring plan consists of the following:

Supply Wells

1. Each new Supply Well[1] shall contain a dedicated sounding tube extending from above ground level to near the top of the pump bowls to facilitate groundwater-level measurements.
2. An airline tube of known length extending from above ground level to near the top of the pump bowls shall be installed in all supply wells with oil-lubricated pump shafts.
3. Each Supply Well will be pump-tested in connection with the completion of its construction. The water-level drawdown versus time, discharge, and water-level recovery data from these pump test will be submitted to IDWR, United Water, and IDOC as part of the monitoring data reported for the year in which the well was constructed.

[1] There are no known existing supply wells within the place of use for applications 63-32680 and 63-33296.

4. Each authorized point of diversion ("Supply Well") constructed under approved Permits 63-32680 and 63-33296 will be equipped with an electromagnetic induction totalizing flowmeter ("mag meter") of a type approved by IDWR (an approved list is attached as Attachment A).

Monitoring Well

5. One dedicated, non-pumped monitoring well ("Monitoring Well") will be drilled and constructed for electronic and manual water level measurements. Siting criteria include proximity to protestants' wells, access, and distance from supply wells and irrigated areas.
6. The monitoring well shall be constructed within one year of application approval and permit issuance, and shall be constructed prior to the drilling and construction of supply wells.
7. The Monitoring Well shall be constructed with at least 10 feet of stainless steel well screen placed at the same depth as the anticipated uppermost portion of the screened interval of the first Supply Well constructed under these rights (e.g., 100 feet or more below the water table).
8. The Monitoring Well will be developed by pumping (using a temporary electric pump or by air-lifting) to confirm that the wells capable of producing water and therefore suitable for monitoring water level changes. In the event that the monitoring well is not suitable for monitoring, the well will be decommissioned and a new monitoring well will be drilled at a similar location.

Monitoring Period

9. Manual and digital measurements in the Monitoring Well and in the Supply Wells will commence no later than the start of withdrawals under the rights and shall continue for a period of 10 years following the beginning of withdrawals under the approved permits/licensed rights (the "Monitoring Period").
10. No less than 4 years of groundwater monitoring data shall be submitted in connection with filing proof of beneficial use for this right.
11. After the Monitoring Period has ended, the Right Holder shall continue to submit flowmeter data from Supply Wells on an annual basis as set forth above, but shall have no further obligations with respect to other data submissions listed in this Monitoring Plan.

Instrumentation

12. Each Supply Well will be equipped with a non-vented submersible pressure transducer/digital datalogger.
13. The Monitoring Well shall initially be equipped with two non-vented submersible pressure transducers/dataloggers. Following the completion of the first supply well, one of these pressure transducers/dataloggers will be moved to the first

supply well, leaving one pressure transducer/datalogger installed in the monitoring well.

14. Submersible pressure transducers will be suspended by a stainless steel cable of known length and at a depth that will allow the pressure transducers to always remain submerged. Submersible pressure transducers in the Supply Wells will be housed in the sounding tube.

15. The Monitoring Well will be equipped with a digital barometric datalogger inside the well head.

Manual Measurements

16. Manual groundwater-level measurements from all Supply Wells and the Monitoring Well will be obtained using chalked-steel tapes and/or non-stretch electric well sounders.

17. All manual water level measurements will be recorded and reported to 0.01 foot. All electronic water-level measurements (e.g., those recorded by pressure transducers/dataloggers) will be recorded and reported to 0.5 foot or less. The height of the measurement datum above the land surface or floor level of known elevation will be documented for each manual measurement.

18. After the Monitoring Period, the Right Holder or successor shall provide the Department reasonable access to the Monitoring Well for continued electronic and manual water level measurements at the Department's discretion.

19. The Right Holder shall be responsible for the groundwater measuring, monitoring, and reporting obligations set forth in this Monitoring Plan, and for keeping the instrument and equipment maintained in working order so that the Monitoring Plan's data submitting and reporting goals are fulfilled during the Monitoring Period.

Measurement and Data-Retrieval Frequency

20. All electronic dataloggers will be set to measure and record pressures at 6-hour intervals.

21. Manual on-site water-level measurements in each Supply Well and in the Monitoring Well will be taken at a minimum frequency of 3 times per year. Measurements will be taken according to the following schedule (the "Measuring Times"):

    a. Between November 15 and November 30;

    b. Between January 15 and January 31; and

    c. Between March 1 and March 15.

22. Data from the electronic dataloggers and flow meters will be retrieved at the same time that manual measurements are taken.

Reporting

23. The Right Holder shall prepare and submit to IDWR an annual interpretive report ("Monitoring Report") by April 30 of each year during the Monitoring Period[2]. The Monitoring Report shall include the following:
    a. Water right numbers (e.g., permits 63-32680 and 63-33296);
    b. Legal description of the points of diversion;
    c. Well locations (established by GPS coordinates) and well-head elevation referenced to sea-level datum;
    d. Monthly volumes diverted per supply well during irrigation season;
    e. Total volume diverted during the reporting period;
    f. Description of physical changes to the diversion works that have been made during the reporting period;
    g. Depth of water in any well prior to commencement of pumping (based on measurement taken between March 1 and March 15 as outlined above);
    h. Depth of water during the pumping (presented as hydrographs for each monitored well, along with a discussion of notable changes in water levels and an explanation of any other factors or anomalies that may have influenced the measured water levels);
    i. All raw submersible transducer and barometric data, flow meter readings, and manual measurements in Microsoft Excel format.
24. Hydrographs in the Monitoring Report shall be based on digital pressure-transducer data that have been corrected for barometric pressure changes.
25. All hydrographs in the Monitoring Report will show both groundwater-level data derived from digital recorders and manual measurements.
26. A copy of each annual Monitoring Report prepared during the monitoring period shall be sent to United Water and IDOC.
27. The Monitoring Report shall be prepared by a registered professional engineer or registered professional geologist.

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[2] Idaho Code § 42-701(5) gives the Director of IDWR general authority to require monitoring and reporting of diversions and groundwater levels. Such monitoring could be requested by IDWR following the Monitoring Period.

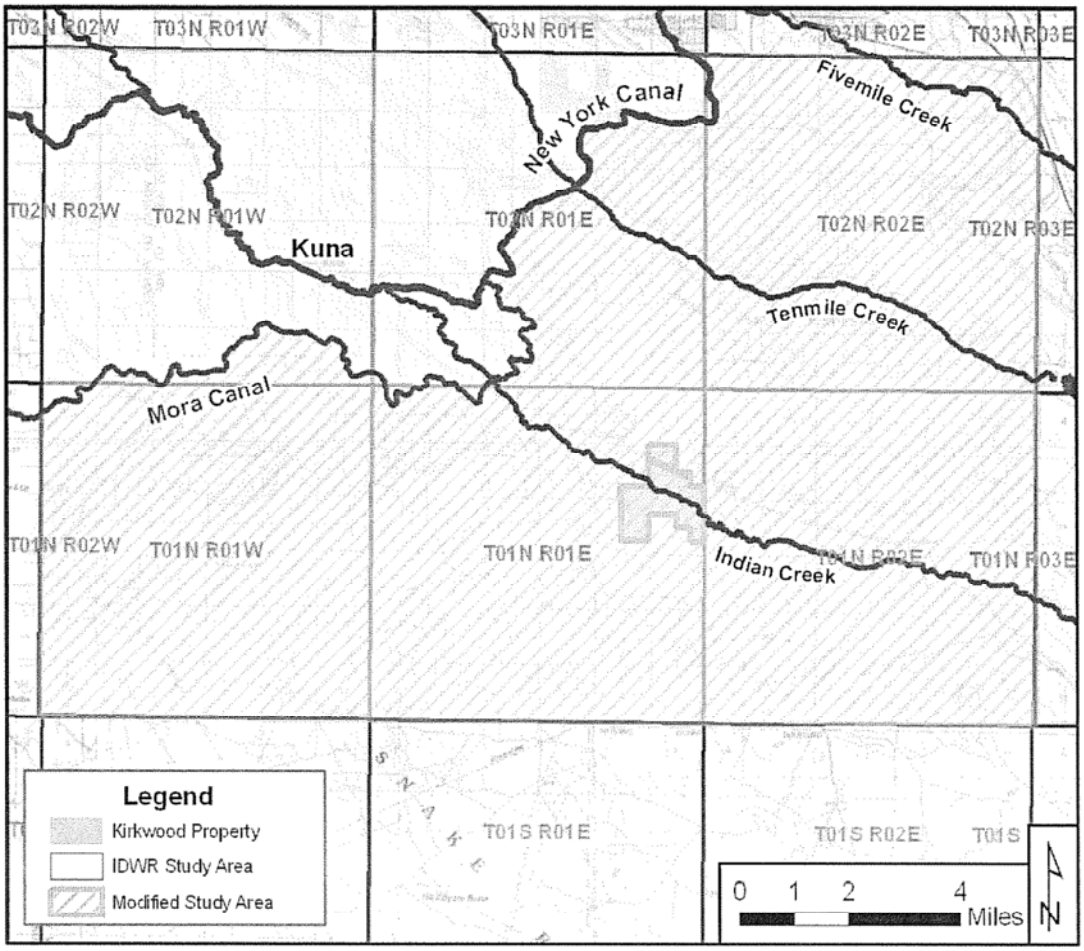

Figure 1. Location map.

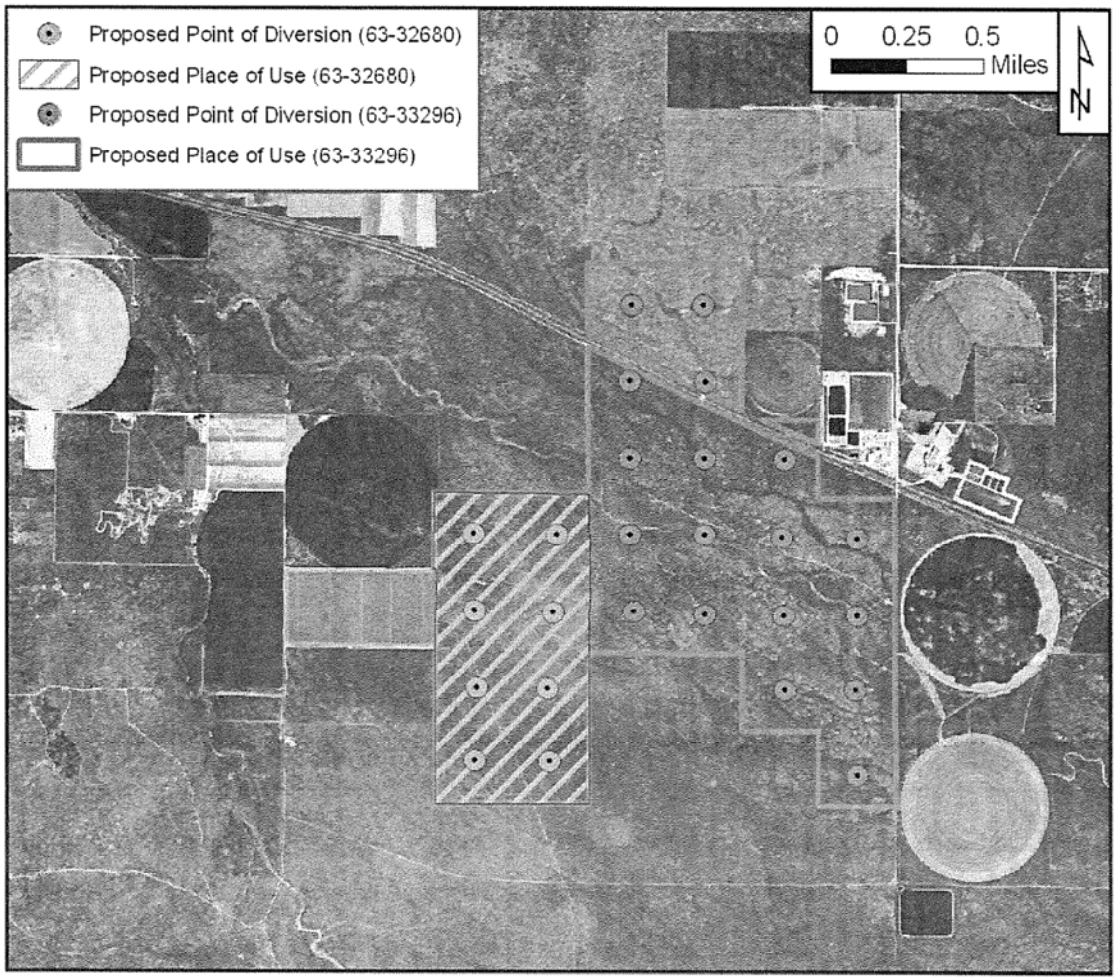

Figure 2. Place of Use and Points of Diversion for Amended Application 63-32680 and Application 63-33296.

Attachment A: IDWR Approved Flow Meter List

Version 2.2

Idaho Department of Water Resources
List of Approved Closed Conduit Flow meters

The table below lists flow meters **that have been tested and approved by IDWR for use in closed conduit measurement applications where the installation configuration and application meet manufacturer's requirements for the selected model.** These approved flow meters were subject to testing requirements outlined by IDWR and conducted by staff from Utah State's NIST[1] traceable lab in Logan Utah and performed at or above IDWR minimum acceptable standards for accuracy when installed in piping distances that met or exceeded minimum straight run piping requirements specified by IDWR. The approved list is current as of this printing, but may change as additional models and manufacturers undergo testing and approval. The current version of these standards, including this list, is posted on the IDWR Internet site at the following URL:

http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/PDFs/Approved_flow_meter_list.pdf

Note that not all models are appropriate for every application. Pipe size, available straight pipe lengths, water chemistry, pressure, velocity, environmental exposure, and power requirements are among the factors affecting whether a given meter will perform for a given application. Prior to selecting a meter, consult the manufacturer's installation requirements to assure they can be met.

Manufacturer	Model/Specifications	Type	IDWR-accepted Pipe Applications (Nominal Pipe Size)
Siemens	CLAMP-ON ULTRASONIC -SITRANS FUS 1010 w/ HIGH PRECISION TRANSDUCERS	Clamp-On Ultrasonic	>12"
Siemens	SITRANS F M MAGFLO MAG 5100W w/ 5000 converter	Full profile Electro-Magnetic	1" to 78"
Siemens	SITRANS FM, MAGFLO 8000, model 7ME6880	Full profile Electro-Magnetic	1" to 48"
Fuji	Time Delta C w/ 1MHz transducers	Clamp-On Ultrasonic	>12"
Seametrics	AG 2000	Full profile Electro-Magnetic	4" to 10"
GE Panametrics	AT868 w/ 1MHz transducers	Clamp-On Ultrasonic or Wetted Transducer	>12"
McCrometer	Ultra Mag w/ M-Series Converter	Full profile Electro-Magnetic	2" to 48"

(continued on next page)

[1] NIST - National Institute of Standards and Technology.

Version 2.2

Manufacturer	Model/Specifications	Type	IDWR-accepted Pipe Applications (Nominal Pipe Size)
Badger	M2000 Amplifier w/ M2000 Detector	Full profile Electro-Magnetic	1/4" to 54"
Khrone	Enviromag 2000 w/ Optiflux 2000 F/G	Full profile Electro-Magnetic	3/8" to 80"
Rosemount	8705 w/ 8732E transmitter	Full profile Electro-Magnetic	1/2" to 36"
Burkert	8054/8055 w/ Magflow transmitter	Full profile Electro-Magnetic	1" to 80"
Sparling	Tiger Mag W/FM6561051110 Converter	Full profile Electro-Magnetic	3/8" to 48"
Sensus	IPerl	Full profile Electro-Magnetic	5/8"-1"

(Approved Flow Meter list continued)

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

Q3

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

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 (10 acres) SW 1/4 (40 acres) _____ 1/4 (160 acres)
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)
43.1	1520	7.7 hrs

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		
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 _____ 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 (10 acres) SW 1/4 (40 acres) _____ 1/4 (160 acres)
Gov't Lot _____ County Ada
Lat. _____ ° _____ (Deg. and Decimal minutes)
Long. _____ ° _____ (Deg. and Decimal minutes)
Address of Well Site 5 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 (temp)	☒	☐	☐	☒
					☐	☐	☐	☐
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	425	White Clay		
	425	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 Mikkelsen Date 9-28-15
*Driller Shawn Mikkelsen Date 9-28-15
*Operator II _____ Date _____
Operator I _____ Date _____
* Signature of Principal Driller and rig operator are required.

RECEIVED
OCT 02 2015
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 ____ 10 acres 1/4 SW 40 acres 1/4 SW 160 acres 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
(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
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 1/4 (10 acres) ne 1/4 (40 acres) ne 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 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: **Test method:**

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
23	3300	20 hr	☒	☐	☐	☐

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 6-27-14
* Signature of Principal Driller and rig operator are required.

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WATER RESOURCES
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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 6-22-14
* Signature of Principal Driller and rig operator are required.

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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 ____ 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
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:
☒ 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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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 Jeremy 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. 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 ____ 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
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:
☒ 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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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 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.**

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Irrigation Well 4

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0775377
Drilling Permit No. 885283
Water right or injection well #

2. OWNER: Simplot Land & Live Stock
Name
Address 1301 Hwy 67
City Grandview State ID Zip 83624

3. WELL LOCATION:
Twp. 1 North ☒ or South ☐ Rge. 2 East ☒ or West ☐
Sec. 6 SE 1/4 (10 acres) SW 1/4 (40 acres) 1/4 (160 acres)
Gov't Lot County Ada
Lat. 43 ° 26.694 (Deg. and Decimal minutes)
Long. 116 ° 16.113 (Deg. and Decimal minutes)
Address of Well Site South Cole & Berther Rd City
(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:
☒ 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
Med. Chips	0	18	1600	Poured
Granular	0	193	7600	Poured

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
20"	+1	18	.250	Steel	☒	☐	☐	☒
16"	+1	193	.250	Steel	☒	☐	☐	☒
12"	+1	450	.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
450	530	.020		12"	S.S.	.250

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 Sand	550	350	8400	Poured

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) 301 Static water level (ft) 301
Water temp. (°F) 55.7 Bottom hole temp. (°F) 55.7
Describe access port

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
14'	1800	2 days

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
25"	0	2	Top Soil		
25"	2	6	Clicky		
25"	6	18	Weathered Basalt		
20"	18	47	Weathered Basalt		
20	47	63	Red Cinder		
20	63	177	Solid Basalt		
20	177	183	Fractured Basalt		
20	183	193	Gravel and Sand		
16	193	496	Gravel and Sand	X	
16	496	501	Silty Tan Clay		
16	501	533	Sand and Gravel	X	
16	533	537	Tan Clay		
16	537	542	Fine to Med Sand	X	
16	542	555	Sticky Tan Clay		

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WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 550
Date Started: 5-1-18 Date Completed: 6-1-18

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 6-7-18
*Driller Date 6-7-18
*Operator II Date
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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WATER RESOURCES
WESTERN REGION

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:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
122	40	2hr

Test method: Pump ☐ Bailer ☐ Air ☒ Flowing artesian ☐

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 Pike Langer Date 4-3-15
* Signature of Principal Driller and rig operator are required.

Appendix C
Totalizer Photos

Irrigation Well No. 1 Totalizer (10/31/2019)

Irrigation Well No. 2 Totalizer (10/31/2019)

Irrigation Well No. 3 Totalizer (9/28/2018, no additional flow after this date)

Plant Well #1 (East) Totalizer (12/21/2018)

Plant Well #2 (West) Totalizer (12/21/2018)

Appendix D
Water Level Data