



April 18, 2024

Ashley M. Ritter, Associate Engineer
Idaho Department of Water Resources
2735 W Airport Way
Boise, Idaho 83705

Subject: Groundwater Monitoring-Reporting Plan Associated with Water Right Transfer No. 78356

Dear Ashley,

In accordance with conditions related to the approved Water Right Transfer No. 78356 for Shekinah Industries, Inc. (Shekinah) and in response to communications with Kenneth Neely, Hydrogeologist, Idaho Water Engineering (IWE), attached is an updated Monitoring Plan for your review and approval.

Water Right Transfer No. 78356 was approved by IDWR in January, 2016. The approved transfer included six water rights: 61-12283, 61-12284, 61-12285, 61-12281, 61-12280, and 61-12282. The following table summarizes land ownership associated with the transferred water rights.

Table 1: Shekinah Water Right Ownership

Land Owner	Acres	Water Ownership (%)	Water Vol. (AFA)
Duane & Cheryl Amyx	32.14	3.39	50.0
Paul & Sheila Hudson	100.00	10.56	155.9
J&M Solid Rock, LLC	160.00	16.89	249.3
Shekinah Industries Inc.	481.76	69.16	1020.8
Totals	773.90	100.00	1,476.0

Background Information

The initial Groundwater Monitoring Plan dated May 4th, 2020 provided the context to collect sufficient information to characterize groundwater level response to withdrawals at the indicated points of diversion (J&M PW No. 1 and J&M PW No. 2) in both production wells and an associated monitoring well (J&M MW No. 1) within the limits of 1,476 acre-feet annually at a maximum diversion rate of 5.56 cfs applied to a total of 369-acres within the total 774 acres within the approved place of use. Updates to recording instruments, updates to monitoring frequency and reporting date agreed to are presented in the following Groundwater Monitoring-Reporting Plan. Conditions encountered during the measurement season may require updates to specific measurement instruments utilized and deployment depths. Such departures will be documented in the associated monitoring report.

Please contact me directly with questions or comments regarding this updated monitoring and reporting plan. Following IDWR review of the report, we request a brief conference call to discuss any concerns with the updated monitoring plans and the 2023 annual monitoring report submitted forward.

Respectfully submitted.



L. Flint Hall, PG

Idaho Water Engineering

208 520-5382

Flint.hall@idahowaterengineering.com

Cc: Angela Hansen, IDWR

Attachment: Groundwater Monitoring-Reporting Plan Associated with Water Right Transfer No. 78356

Shekinah Groundwater Monitoring-Reporting Plan

Monitoring Well (J&M MW No. 1), J&M PW. No. 1 (D0080123), J&M PW No. 2 (D0082843)

April 18, 2024

Groundwater Monitoring-Reporting Plan

1. Groundwater Monitoring

- 1.1. Continuous water level monitoring by pressure transducer for production wells (J&M PW. No.1 D0080123, J&M PW No. 2 D0082843), and observation (monitoring) well (J&M MW No. 1 D0073073) with a reading frequency of every six hours.
- 1.2. Continuous barometric pressure monitoring by transducer placed in the monitoring well (J&M MW No. 1) with a reading frequency of every six hours, concurrent with the production and observation well transducer recording frequency.
- 1.3. Manual water level measurements for production wells and monitoring well three time per calendar:
 - Once within 30 days prior to commencement of pumping (typically sometime in April)
 - Once within 30 days of the cessation of pumping (typically mid to late October)
 - Once on or shortly after January 1st.

Table 1. Well Name, Tag No, Transducer, and deployed depth for Shekinah Groundwater Monitoring

Well Name	Tag No.	Deployed Transducer	Deployed Depth
J&M PW No. 1 (Simco Well No. 1)	D0080123	Transducer A – 200281 (Keller)	495' bgs
J&M PW No. 2 (Simco Well No. 2)	D0082843	Transducer C – 104000 (Keller)	455' bgs
J&M MW No. 1 (Simco Monitoring Well)	D0073073	MW transducer - 2080073 (Solinst)	460' bgs
		Barometric transducer - 2120643 (Solinst)	50' bgs

2. Flow Monitoring

- 2.1. A flowmeter on the production wells (e.g. magmeter) to record discharge will be maintained.
- 2.2. The flowmeter should meet IDWR's minimum acceptable standards for measurement and reporting of surface and groundwater diversions;
 - Minimum manufacturers' design accuracy of +/- 2 percent of reading.
 - Installed accuracy of at least +/- 10 percent of reading.
 - Must read instantaneous flow or be capable of flow rate calculation.
 - Must record total volume.
 - Non-volatile memory (power outage does not zero volume reading).
 - Sufficient digits to assure "roll-over" to zero does not occur within 2 years.
 - Volume reading cannot be "reset" to zero.
 - Installed to manufacturers' specifications.

3. IDWR Reporting

- 3.1. Submission of an annual report to IDWR that would include:
 - Analysis of water level trends in the production wells, and shallow monitoring well.
 - Reporting of discharge rates over time and analysis in relation to water level trends.
 - Reporting of crops grown and acres irrigated during the year.
 - This report will include any departure from monitoring plans for the reporting year.
 - This report will be due February 15th for the monitoring from the previous year.

RECEIVED

MAY 08 2013

WATER RESOURCES
WESTERN REGION

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0080123

Drilling Permit No. 887433
Water right or injection well # Transfer #78356

2. OWNER:

Name J&M Solid Rock LLC
Address 1761 S. Phillippi
City Boise State Id Zip 83705

3. WELL LOCATION:

Twp. 1 North ☒ or South ☐ Rge. 4 East ☒ or West ☐
Sec. 14 1/4 N.W. 1/4 S.W. 1/4

Gov't Lot _____ County Elmore
Lat. 43 20.052' N (Deg. and Decimal minutes)
Long. 115 57.240' W (Deg. and Decimal minutes)
Address of Well Site 3,400' South of I 84 on Simco Rd.

(Give all fractions of road = distance to road or landmark)
City _____
Lot _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other Reverse Rotary

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite chips	0'	90'	5 yards	Poured
Cement	90'	556'	21 yards	Pumped

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Linear	Threaded	Welded
18"	+2'	556'	.375	Steel	☒	☐	☐	☒
10"	540'	580'	.365	Steel	☐	☒	☐	☒
10"	680'	710'	.365	Steel	☐	☒	☐	☒
10"	750'	770'	.365	Steel	☐	☒	☐	☒

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson Vee Wire

Method of installation Lowered

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
580'	680'	.30	100'	10"	Stainless	250'
710'	750'	.30	40'	10"	Stainless	250'
770'	800'	.30	30'	10"	Stainless	250'

Length of Headpipe _____ Length of Tailpipe 5'

Packer ☒ Y ☐ N Type Figure K Swedge Packer

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
8-12	808'	765'	3,000 lbs	Poured
6-9	765'	540'	16,200 lbs	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) 345' Static water level (ft) 345'

Water temp. (°F) 64 Bottom hole temp. (°F) 64

Describe access port Will be added 2" pipe

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
<u>121'</u>	<u>1500</u>	<u>480</u>	☒	☐	☐	☐
<u>124'</u>	<u>1250</u>	<u>960</u>	☐	☐	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
24"	0'	10'	Clay topsoil		X
	10'	120'	Cemented sand & gravel		X
	120'	129'	Sand & gravel		X
	129'	170'	Cemented sand & gravel		X
	170'	183'	Sand & gravel		X
	183'	203'	Tan clay		X
	203'	225'	Sand & gravel		X
	225'	270'	Tan clay		X
	270'	285'	Sand & gravel	X	
	285'	400'	Cemented sand & gravel		X
	400'	430'	Basalt		X
	430'	450'	Sandstone		X
	450'	480'	Cemented sand & gravel	X	
	480'	498'	Basalt		X
	498'	515'	Cemented sand		X
	515'	525'	Hard sandstone		X
	525'	578'	Cemented sand & clay streaks	X	
	578'	680'	Course sand with clay streaks	X	
	680'	691'	Brown clay		X
	691'	705'	Cemented fine sand		X
	705'	710'	Blue clay		X
	710'	741'	Fine blue sand	X	
	741'	769'	Blue clay		X
	769'	800'	Fine blue sand	X	
	800'	840'	Light blue clay with fine sand streaks		X

Completed Depth (Measurable): 805'

Date Started: 7-10-18

Date Completed: 4-23-19

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 Stevens & Sons Co. No. 153

*Principal Driller [Signature] Date 4-24-19

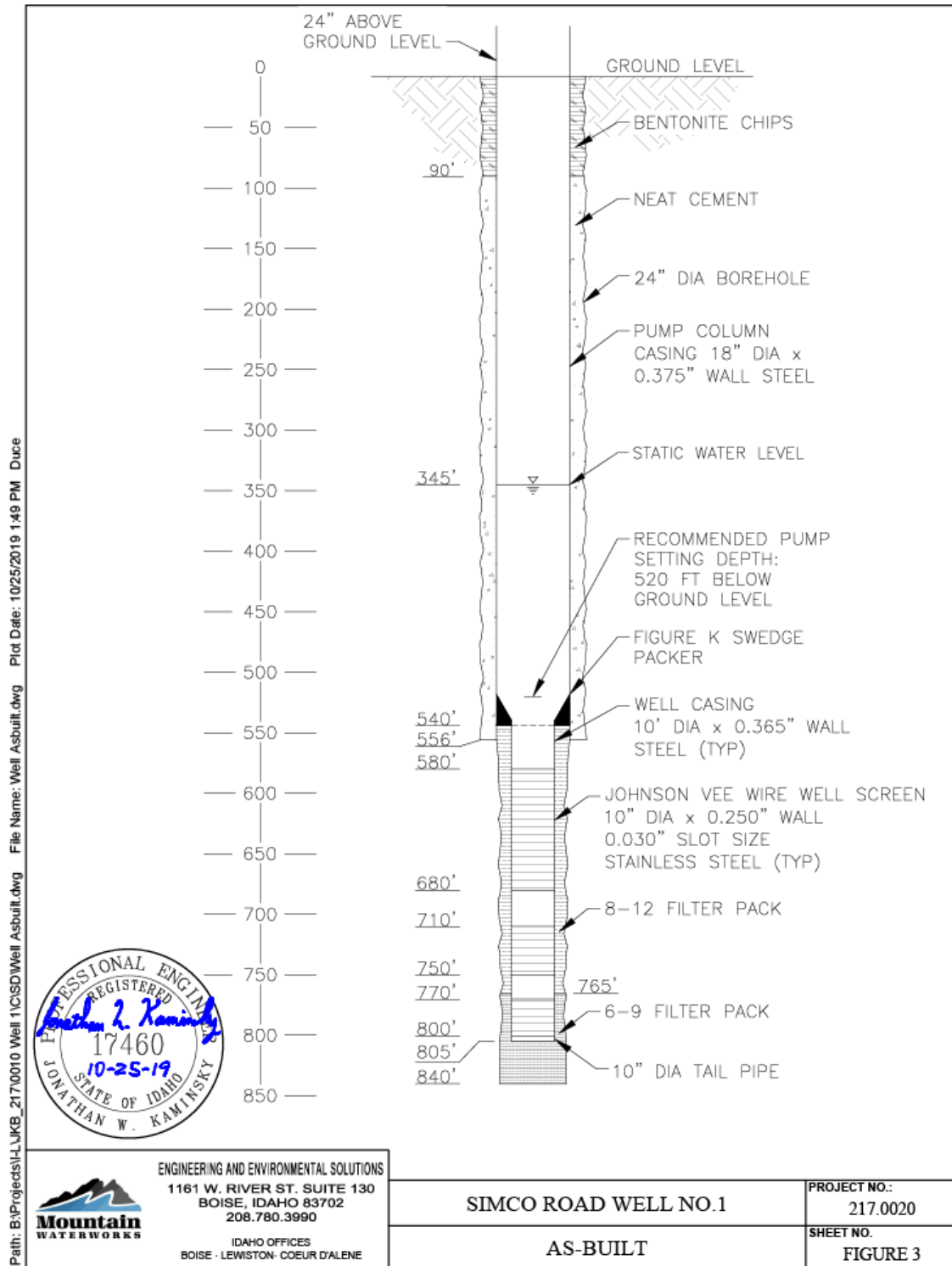
*Driller [Signature] Date 4-24-19

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Figure I J&M PW No. 1 (Simco Well No. 1)



Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0082843

Drilling Permit No. _____

Water right or injection well # _____ Transfer No. 783566 61-12280

2. OWNER: 61-12281 61-12282 61-12283 61-12284

Name J&M Solid Rock

Address 1761 S. Philippi

City Boise State Id. Zip 83705

3. WELL LOCATION:

Twp. 1 North ☐ or South ☒ Rge. 4 East ☒ or West ☐

Sec. 14 _____ 1/4 N.E. 1/4 S.W. 1/4

Gov't Lot _____ County Elmore

Lat. 43 20.184 (Deg. and Decimal minutes)

Long. 115 56.770 (Deg. and Decimal minutes)

Address of Well Site 34.00' South of I 84 on Simco Road.

2,400' East City _____

(Drive at least 1/4 mile 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 Reverse Rotary

7. SEALING PROCEDURES:

Seal material From (ft) To (ft) Quantity (lbs or ft³) Placement method/procedure

Bentonite chips 0' 165' 7 Yards Poured

Cement 165' 503.5' 20 Yards Pumped

8. CASING/LINER:

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

18" + 2' 503' .375 Steel ☒ ☐ ☐ ☒

10" 490' 510' .365 Steel ☐ ☒ ☐ ☒

10" 550' 640' .365 Steel ☐ ☒ ☐ ☒

10" 670' 700' .365 Steel ☐ ☒ ☐ ☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) 8' 800'

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type 304 Stainless V-wire

Method of installation Lowered

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

510' 550' .030 40' 10" Stainless

640' 670' .030 30' 10" Stainless

700' 730' .030 30' 10" Stainless

Length of Headpipe 20' Length of Tailpipe 5'

Packer ☐ Y ☐ N Type _____

10. FILTER PACK:

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

6-9 Sand 490' 785' 21,700 lbs 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) 330' Static water level (ft) 326'

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

Describe access port _____

Well test:

Drawdown (feet) Discharge or yield (gpm) Test duration (minutes) Pump Bailer Air Flowing artesian

100' 1,500 1,740 ☒ ☐ ☐ ☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in) From (ft) To (ft) Remarks, lithology or description of repairs or abandonment, water temp. Water Y N

24" 0' 4' Clay topsoil X

4' 19' Course cemented sand X

19' 230' Clay, course sand, sandy clay X

230' 240' Basalt X

240' 250' Cemented sand tan X

250' 265' Darker brown cemented sand X

265' 300' Course cemented sand tan X

300' 322' Sand stone X

322' 325' Tan clay X

325' 330' Sand clay X

330' 345' Sand X

345' 363' Sandy clay X

363' 388' Tan clay X

388' 405' Cemented sand X

405' 415' Sandy clay X

415' 500' Course compacted sand X

17" 500' 510' Clay X

510' 550' Sand and gravel X

550' 580' Clay X

580' 630' Cemented finer sand X

630' 643' Clay X

643' 666' Sand X

666' 703' Cemented finer sand X

703' 730' Sand X

730' 750' Blue clay X

750' 770' Sand X

8' 800' 770' 1005' Blue, gray clay and very fine sand X

Casing

10" 730' 750' .365 Steel Liner Welded

10" 770' 775' .365 Steel Liner Welded

Screen

10" 750' 770' .030 30' Stainless

Completed Depth (Measurable): 775'

Date Started: Jun 12, 2019 Date Completed: Sep 4, 2019

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 Stevens & Sons Co. No. 153

*Principal Driller _____ Date Sep 10, 2019

*Driller _____ Date Sep 10, 2019

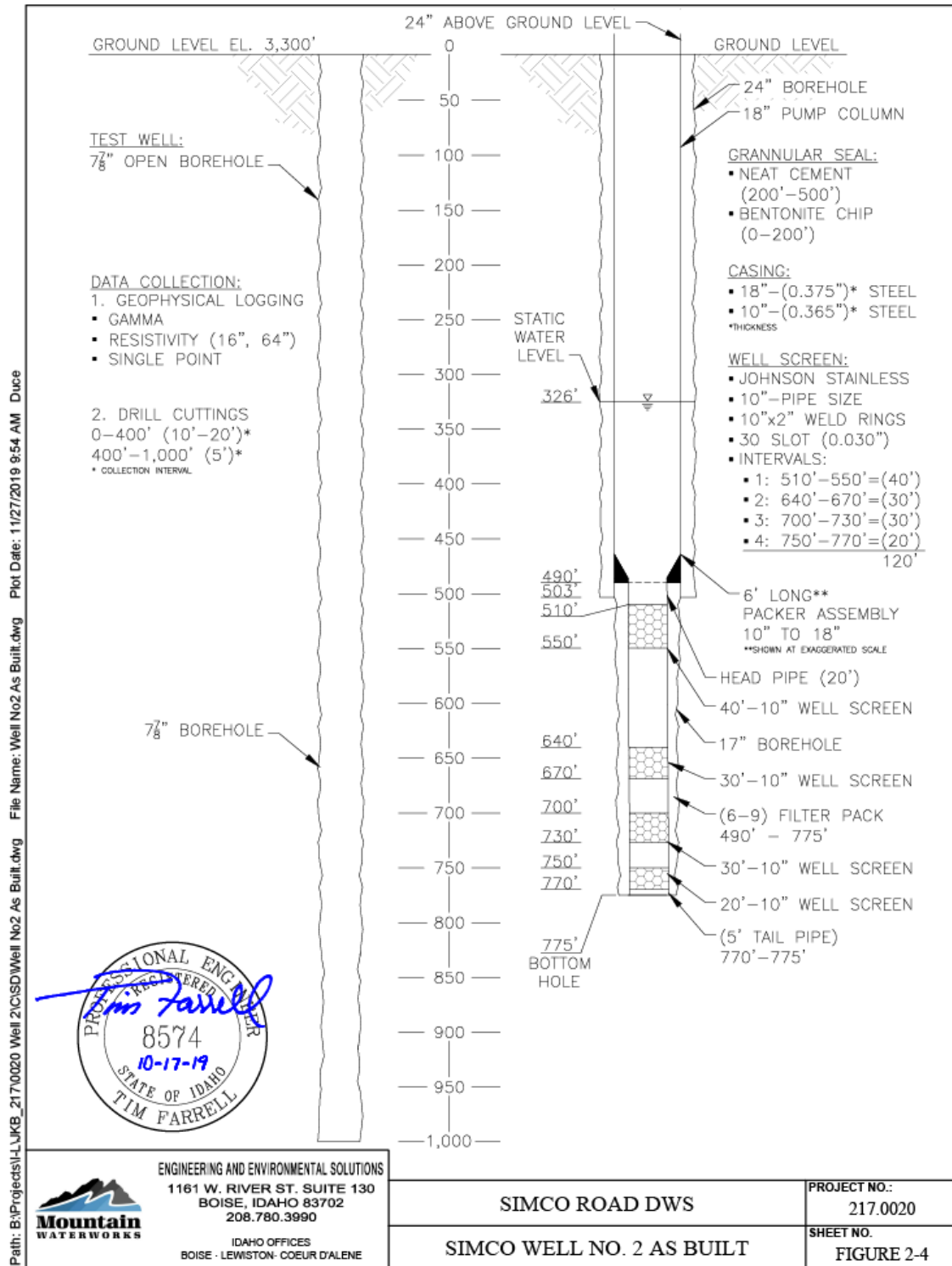
*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Back filled from 800' to 1005' with Bentonite & well cuttings

Figure 2 J&M PW No. 2 (Simco Well No. 2)



Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0073073
Drilling Permit No. 974035-880092
Water right or injection well # _____

2. OWNER:
Name Mike Preston
Address 420 Bitterroot
City Boise State Id. Zip 83709

3. WELL LOCATION:
Twp. 1 North ☐ or South ☒ Rge. 4 East ☒ or West ☐
Sec. 14 1/4 N.W. 1/4 S.W. 1/4
Gov't Lot _____ County Elmore
Lat. 43 ° 20.157 (Deg. and Decimal minutes)
Long. 115 ° 57.220 (Deg. and Decimal minutes)
Address of Well Site 400' E. of Simco Road 1/2 mile S. of I84
City Mountain Home
Lot _____ Blk. _____ Sub. Name _____

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

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
Cement bentonite	1,000	695'	100 cubic ft	Pumped
Cement bentonite	450'	200'	60 cubic ft	Pumped

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
8"	1.5'	5'	.250	Steel	☒	☐	☐
5"	1'	580'	sdr17	PVC	☒	☐	☐

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

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

From (ft)	To (ft)	Slot size	Number	Diameter (nominal)	Material	Gauge or Schedule
580'	680'	.020	100'		PVC	sdr17

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	450'	695'	3,300 lbs.	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) 345' Static water level (ft) 345'
Water temp. (°F) cold Bottom hole temp. (°F) _____
Describe access port _____

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
480'	100	120

Test method:

Pump	Bailer	Air	Flowing artesian
☐	☐	☒	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water		
			Y N		
12"	0'	5'	Clay soil		X
8"	5'	12'	Clay soil		X
	12'	200'	Cemented sand & gravel		X
	200'	206'	Tan clay		X
	206'	400'	Sand & gravel	345'	X
	400'	415'	Medium to fine sand		X
	415'	450'	Black sand		X
	450'	480'	Course black sand		X
	480'	505'	Quartz sand		X
	505'	550'	Sand with thin silt/clay streaks		X
	550'	680'	Course to fine sand		X
	680'	755'	Very sandy clay		X
	755'	760'	Blue clay		X
	760'	1,000'	Blue gray sand		X
	200'	0'	Bentonite chips	41 sacks	

Completed Depth (Measurable): 680'
Date Started: Sep 5, 2016 Date Completed: Oct 19, 2016

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 Stevens & Sons Co. No. 153
*Principal Driller: [Signature] Date Oct 26, 2016
*Driller: [Signature] Date Oct 26, 2016
*Operator II: _____ Date _____
Operator I: _____ Date _____
*Signature of Principal Driller and rig operator are required.

Figure 3 J&M MW No. 1 (Simco Monitoring Well)

