

WELL DATA AND COMPLETION REPORTS

MNS21-0002

Lot 1	WEL20-0313	8/27/21
Lot 2	Well Report	10/17/19
Lot 3	WEL22-0101	7/08/22
Lot 4	WEL22-0111	7/05/22

State of California
Well Completion Report
 Form DWR 188 Submitted 11/2/2021
 WCR2021-014042

Owner's Well Number WW1 Date Work Began 08/25/2021 Date Work Ended 08/27/2021
 Local Permit Agency Sonoma County Permit & Resource Management Department
 Secondary Permit Agency _____ Permit Number WEL20-0313 Permit Date 12/01/2020

Name <u>Joshua Melcon</u> Mailing Address <u>53 Everett Road</u> City <u>Petaluma</u> State <u>CA</u> Zip <u>94952</u>	Activity <u>New Well</u> Planned Use <u>Water Supply Domestic</u>
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Address <u>2485 Middle Two Rock RD</u> City <u>Petaluma</u> Zip <u>94952</u> County <u>Sonoma</u> Latitude <u>38</u> <u>14</u> <u>29.54</u> N Longitude <u>-122</u> <u>42</u> <u>20.29</u> W Deg. Min. Sec. Deg. Min. Sec. Dec. Lat. <u>38.2415389</u> Dec. Long. <u>-122.7056361</u> Vertical Datum _____ Horizontal Datum <u>WGS84</u> Location Accuracy <u>20 Ft</u> Location Determination Method _____	APN <u>021-160-041</u> Township <u>05 N</u> Range <u>08 W</u> Section <u>35</u> Baseline Meridian <u>Mount Diablo</u> Ground Surface Elevation _____ Elevation Accuracy _____ Elevation Determination Method _____
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Orientation <u>Vertical</u> Specify _____ Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Polymer</u> Total Depth of Boring <u>280</u> Feet Total Depth of Completed Well <u>275</u> Feet	Depth to first water <u>92</u> (Feet below surface) Depth to Static _____ Water Level <u>100</u> (Feet) Date Measured <u>08/27/2021</u> Estimated Yield* <u>4</u> (GPM) Test Type <u>Air Lift</u> Test Length <u>1.5</u> (Hours) Total Drawdown <u>173</u> (feet) *May not be representative of a well's long term yield.
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Depth from Surface	Feet to Feet	Description
0	1	Sandy top soil
1	10	Brown sandstone
10	17	Tan soft sandstone
17	18	Orange soft sandstone
18	19	Grey sandstone
19	32	Tan soft sandstone
32	34	Orange sand
34	52	Grey sandstone
52	190	Hard sandstone with fractures
190	194	Purple rock
194	242	Red volcanic rock
242	258	Multicolor rock
258	280	Shale

Casings

Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	115	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	115	255	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	255	275	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			

Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
0	5	Bentonite	Non Hydrated Bentonite		Seal
5	100	Bentonite	High Solids		Seal
100	280	Filter Pack	8 x 16		Sand

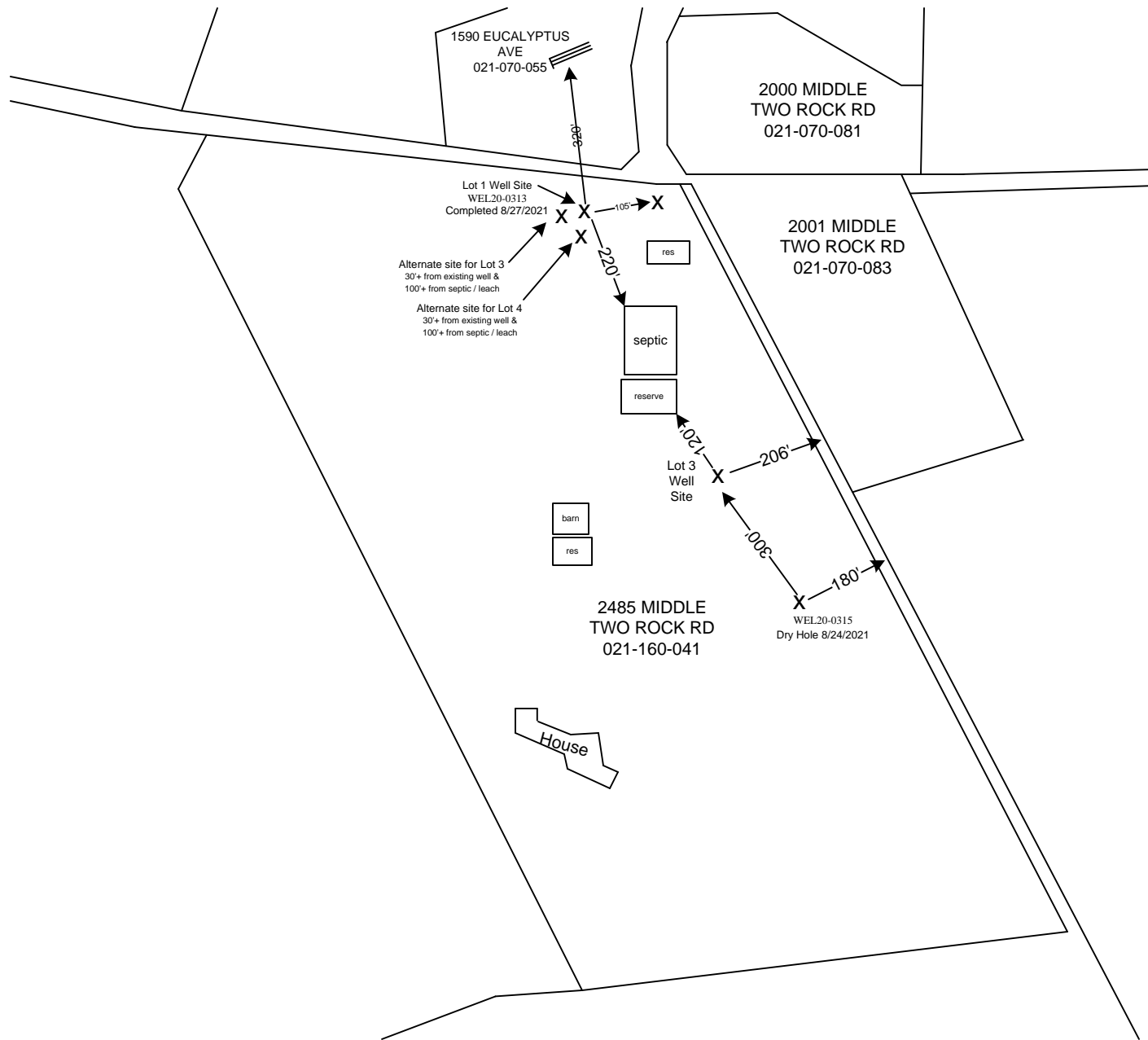
Other Observations:

Borehole Specifications		
Depth from Surface Feet to Feet	Borehole Diameter (inches)	
0	280	11

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief			
Name	WEEKS DRILLING AND PUMP CO		
	Person, Firm or Corporation		
	PO BOX 176	SEBASTOPOL	CA 94573-
	Address	City	State Zip
Signed	<i>electronic signature received</i>	11/02/2021	177681
	C-57 Licensed Water Well Contractor	Date Signed	C-57 License Number

Attachments
021-160-041 wcr.pdf - Location Map

DWR Use Only			
CSG #	State Well Number	Site Code	Local Well Number
		N	W
Latitude Deg/Min/Sec		Longitude Deg/Min/Sec	
TRS:			
APN:			



GPS:

Lot #1 - 38°14'29.54"N / 122°42'20.29"W
 Lot #3 - 38°14'22.96"N / 122°42'17.50"W
 Lot #3 Alt Site - 38°14'29.59"N / 122°42'21.13"W
 Lot #4 - 38°14'20.73"N / 122°42'15.70"W
 Lot #4 Alt Site - 38°14'29.16"N / 122°42'20.45"W
 APN:021-160-041



TITLE JOSHUA MELCON New Well	DESCRIPTION 2485 MIDDLE TWO ROCK RD PETALUMA CA 94952
	PAGE 1 of 1
DATE 8/13/2020 Updated 11/1/2021	



Lot 2



Ray's Well Testing Service Inc.
 853 Vine Hill Rd, Sebastopol Ca 95472
 Phone 707 823 3191 Fax 707 317 0057 Lic# 903708

CUSTOMER INFORMATION

REPORT #: 11362 - By: Matt Owens	DATE OF TEST: 10/17/19
CUSTOMER NAME: Tim Watson	CONTACT: 559 288 4715
AGENT NAME: Karyn Battenberg - Coldwell Banker	CONTACT: 415 525 9901
PROPERTY ADDRESS: 2485 Middle Two Rock Rd, Petaluma CA 94952	SENT TO: karyn@karynbattenberg.com

WELL DATA

LOCATION OF WELL:	To left of driveway at gate entrance
TYPE OF WELL:	
DEPTH OF COMPLETED WELL:	Probe stopped at 190 Feet in casing
DIAMETER OF WELL CASING:	
SANITARY WELL SEAL (PLATE SEAL AT OPENING OF WELL CASING):	
ANNULAR SEAL (IN-GROUND SEAL OF BOREHOLE):	
PUMP HP AND TYPE:	
DEPTH OF PUMP SUCTION:	Unkonwn - Probe stopped at 20 Feet in drop pipe

WATER PRODUCTION RESULTS

WATER LEVEL AT START (STATIC LEVEL):	13 Feet	FLOW RATE AT START:	32.1 GPM
FINAL PUMPING LEVEL:	119.7 Feet	FINAL FLOW RATE:	23 GPM
WATER LEVEL DRAWDOWN:	106.7 Feet	TOTAL LENGTH OF TEST:	

CONSTANT PUMPING LEVEL INFORMATION

STABILIZED PUMPING LEVEL:	119.7 Feet	STABILIZED FLOW RATE (YIELD):	23 GPM
DURATION OF CONSTANT PUMPING LEVEL:	1 Hour	TOTAL YIELD:	1,380 Feet

WATER SYSTEM INSPECTION

WELL PUMP	TECHNICAL INFO: 16 GPM @ 100 PSI @ 31', 5.4 amps
ELECTRICAL	TECHNICAL INFO: 15 amp fuse disconnect at well head
PRESSURE TANK	TECHNICAL INFO: See comments
STORAGE TANK	TECHNICAL INFO: Two 2500 gallon polyethylene tanks behind main house (2525)
BOOSTER PUMP	TECHNICAL INFO: 2 HP 230V 1PH horizontal jet, Berkely B82458-01, 2013

WATER QUALITY TESTING

THE FOLLOWING SAMPLES ARE BEING ANALYZED. PLEASE REFER TO FOLLOW-UP REPORT FOR RESULTS.		
	DATED: 10/17/19	TURNAROUND:
	DATED:	TURNAROUND:
	DATED:	TURNAROUND:
	DATED:	TURNAROUND:

SEE NEXT PAGE FOR FURTHER INFORMATION...

DATE: 10/17/19

ADDRESS: 2485 Middle Two Rock Rd, Petaluma CA 94952

COMMENTS:
1. The recharge rate at the end of the test was 23 gallons per minute. This test may not represent the long term or seasonal yield.
2. The water was visibly clear, sediment and odor free for the duration of the test.
3. The well pump pressurizes the 250 gallon galvanized pressure tank. The operating pressure range is set 55 to 75 PSI. This system pressurizes water for domestic and irrigation use at the 2485 front unit. It also pressurizes water to fill the two 2500 gallon polyethylene storage tanks at the 2525 main unit. The tank fill is controlled by a mechanical float valve in the tank. The water in the tanks was visibly clear on the day of the inspection. The well may also fill the upper 2500 gallon storage tank along the fence line, however the tank was empty on the day of the inspection with the fill and outlet valves both in the closed position.
4. The 2 HP 230V 1PH Berkeley horizontal jet pump draws water from the two 2500 gallon polyethylene storage tanks and pressurizes the 40 gallon WM-12 pressure tank. The operating pressure range is set 30 to 50 PSI. This system pressurizes water for domestic & irrigation at the main house (2525). The booster pump is protected by a Cycle Sensor device.
5. The interior of the steel well casing indicates moderate scaling/corrosion.
RECOMMENDATIONS:
1. There is no sanitary well seal installed at the well head. Recommend installation of a sanitary well seal.
2. The well pump pressure switch is dated and worn. Recommend preventative replacement.
3. There is a shut off valve installed on the outlet of the booster pump. Recommend relocating shut off valve downstream of pressure tank and pressure switch.
4. There is no pressure relief valve installed on the booster system. Recommend installation of a pressure relief valve.
5. Water test results and possible follow up recommendations pending.

Thank you for allowing us to do your well inspection!

APPROVED BY: NICK BRASESCO



Water levels and well depth are measured as feet below top of well casing unless otherwise noted.

All wells and springs are subject to seasonal and yearly changes in regards to water yield, production and quality. Wells may be influenced by creeks or other water sources and are likely to yield less water during dry months of the year; typically August, September, & October. We make no predictions of future water production or water quality.

This report is for informational use only and is in lieu of and supercedes any other representation or statements of the agent or employee of the company, and all other such representations or statements shall be relied upon at the customer's own risk. The data and conclusions provided herein are based upon the best information available to the company using standard and accepted practices of the water well drilling industry. However, conditions in water wells are subject to dramatic changes in short periods of time. Therefore, the data and conclusions are valid only as of the date of the test and should not be relied upon to predict either the future quantity or quality the well will produce. The company makes no warranties either expressed or implied as to future water production and expressly disclaims and excludes any liability for consequential or incidental damages arising out of the breach of any expressed or implied warranty of future water production or out of any further use of the report by the customer.

Well Head



Well Pump Fuse Disconnect



Well Pump Pressure Tank



Main Shut Off Valve



Storage Tanks



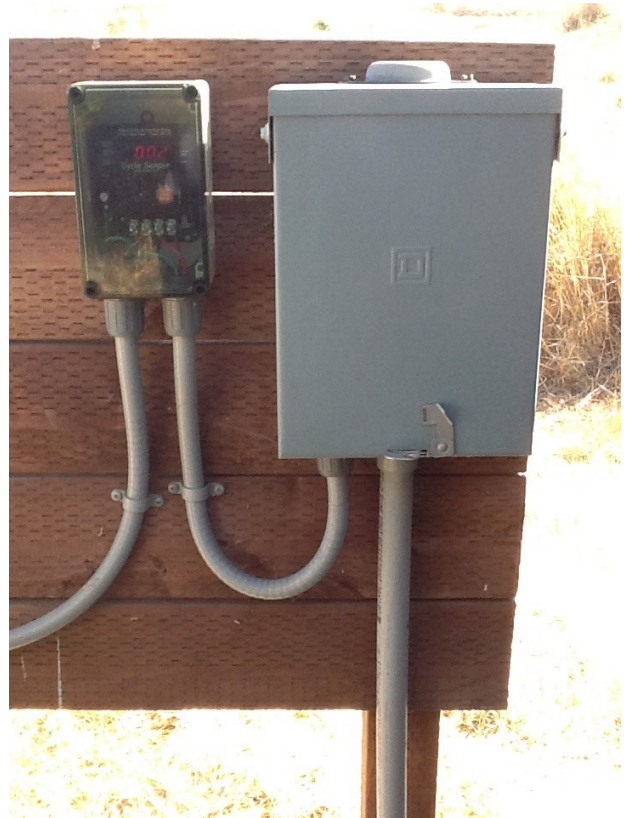
Booster Pump



Booster Pump Pressure Tank



Booster Pump Sub Panel



Upper Storage Tank



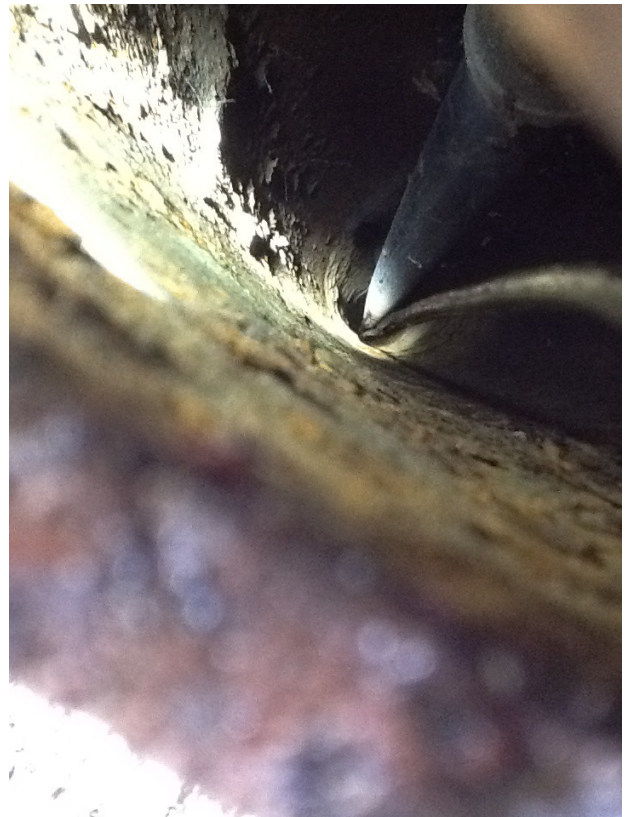
Upper Tank Fill Valve



Upper Tank Outlet Valve



Interior View of Well Casing



Lot 3

State of California
Well Completion Report
 Form DWR 188 Submitted 7/27/2022
 WCR2022-008471

Owner's Well Number 3 Date Work Began 07/08/2022 Date Work Ended 07/15/2022
 Local Permit Agency Sonoma County Permit & Resource Management Department
 Secondary Permit Agency _____ Permit Number WEL22-0101 Permit Date 03/30/2022

Name <u>Joshua Melcon</u> Mailing Address <u>53 Everett Road</u> City <u>Petaluma</u> State <u>CA</u> Zip <u>94952</u>	Activity <u>New Well</u> Planned Use <u>Water Supply Domestic</u>
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Address <u>2485 Middle Two Rock RD</u> City <u>Petaluma</u> Zip <u>94952</u> County <u>Sonoma</u> Latitude <u>38</u> <u>14</u> <u>22.96</u> N Longitude <u>-122</u> <u>42</u> <u>17.5</u> W Deg. Min. Sec. Deg. Min. Sec. Dec. Lat. <u>38.2397111</u> Dec. Long. <u>-122.7048611</u> Vertical Datum _____ Horizontal Datum <u>WGS84</u> Location Accuracy _____ Location Determination Method _____	APN <u>021-160-041</u> Township <u>05 N</u> Range <u>08 W</u> Section <u>35</u> Baseline Meridian <u>Mount Diablo</u> Ground Surface Elevation _____ Elevation Accuracy _____ Elevation Determination Method _____
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Orientation <u>Vertical</u> Specify _____ Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Bentonite</u>
Total Depth of Boring <u>260</u> Feet Total Depth of Completed Well <u>260</u> Feet

Depth to first water _____ (Feet below surface) Depth to Static _____ Water Level <u>22</u> (Feet) Date Measured <u>07/15/2022</u> Estimated Yield* <u>4</u> (GPM) Test Type <u>Air Lift</u> Test Length <u>1</u> (Hours) Total Drawdown <u>218</u> (feet) *May not be representative of a well's long term yield.

Depth from Surface	Feet to Feet	Description
0	2	Top soil
2	28	Brown sandstone
28	68	Tan sandstone
68	176	Blue sandstone
176	232	Volcanic rock
232	260	Hard serpentine rock

Casings

Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	118	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	118	138	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	138	158	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	158	178	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	178	198	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	198	218	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	218	238	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	238	258	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	258	260	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			

Annular Material

Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
0	100	Bentonite	Other Bentonite		Grout
100	260	Filter Pack	8 x 16		

Other Observations:

Borehole Specific		
Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	120	11
120	260	9.875

Attachments
021-160-041 Lot 3.pdf - Location Map

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief			
Name	WEEKS DRILLING AND PUMP CO		
	Person, Firm or Corporation		
Address	PO BOX 176	SEBASTOPOL	CA 94573- 0176 Zip
Signed	<i>electronic signature received</i>	07/27/2022	177681
	C-57 Licensed Water Well Contractor	Date Signed	C-57 License Number

DWR Use Only			
CSG #	State Well Number	Site Code	Local Well Number
		N	W
Latitude Deg/Min/Sec		Longitude Deg/Min/Sec	
TRS:			
APN:			

Lot 4

State of California
Well Completion Report
 Form DWR 188 Submitted 8/1/2022
 WCR2022-008856

Owner's Well Number S4 Date Work Began 07/05/2022 Date Work Ended 07/08/2022
 Local Permit Agency Sonoma County Permit & Resource Management Department
 Secondary Permit Agency _____ Permit Number WEL22-0111 Permit Date 04/11/2022

Name <u>Joshua Melcon</u> Mailing Address <u>53 Everett Road</u> City <u>Petaluma</u> State <u>CA</u> Zip <u>94952</u>	Activity <u>New Well</u> Planned Use <u>Water Supply Domestic</u>
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Address <u>2485 Middle Two Rock RD</u> City <u>Petaluma</u> Zip <u>94952</u> County <u>Sonoma</u> Latitude <u>38</u> <u>14</u> <u>29.16</u> N Longitude <u>-122</u> <u>42</u> <u>20.45</u> W Deg. Min. Sec. Deg. Min. Sec. Dec. Lat. <u>38.2414333</u> Dec. Long. <u>-122.7056806</u> Vertical Datum _____ Horizontal Datum <u>WGS84</u> Location Accuracy _____ Location Determination Method _____	APN <u>021-160-041</u> Township <u>05 N</u> Range <u>08 W</u> Section <u>35</u> Baseline Meridian <u>Mount Diablo</u> Ground Surface Elevation _____ Elevation Accuracy _____ Elevation Determination Method _____
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Orientation <u>Vertical</u> Specify _____ Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Bentonite</u>
Total Depth of Boring <u>260</u> Feet Total Depth of Completed Well <u>260</u> Feet

Depth to first water _____ (Feet below surface) Depth to Static _____ Water Level <u>30</u> (Feet) Date Measured <u>07/08/2022</u> Estimated Yield* <u>6</u> (GPM) Test Type <u>Air Lift</u> Test Length <u>1</u> (Hours) Total Drawdown <u>210</u> (feet) *May not be representative of a well's long term yield.

	Depth from Surface Feet to Feet	Description
	0 2	Top soil
	2 21	Tan sandstone
	21 30	Brown sandstone
	30 190	Blue sandstone
	190 204	Volcanic rock
	204 248	Red volcanic rock
	248 260	Shale

Casings

Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
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Fill				
Depth from Surface Feet to Feet	Fill	Fill Type Details	Filter Pack Size	Description
0	100	Bentonite	Other Bentonite	Grout
100	260	Filter Pack	8 x 16	

Other Observations:

Borehole Specifications		
Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	120	11
120	260	9.875

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I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief			
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Person, Firm or Corporation			
PO BOX 176	SEBASTOPOL	CA	94573-
Address	City	State	Zip
			0176
Signed	<i>electronic signature received</i>	08/01/2022	177681
	C-57 Licensed Water Well Contractor	Date Signed	C-57 License Number

Attachments
0 Site Map Revised 2022.pdf - Location Map

DWR Use Only			
CSG #	State Well Number	Site Code	Local Well Number
	N		W
Latitude Deg/Min/Sec		Longitude Deg/Min/Sec	
TRS:			
APN:			