

State of California
Well Completion Report
Form DWR 188 Submitted 11/22/2023
WCR2023-012725

Owner's Well Number Site 2 Date Work Began 10/30/2023 Date Work Ended 11/08/2023
Local Permit Agency Sonoma County Permit & Resource Management Department
Secondary Permit Agency _____ Permit Number WEL21-0402 Permit Date 08/22/2023

Well Owner (must remain confidential pursuant to Water Code 13752)	Planned Use and Activity
Name <u>Aravinth Babu</u>	Activity <u>New Well</u>
Mailing Address <u>1875 Mountain View Drive</u>	Planned Use <u>Water Supply Irrigation - Landscape</u>
City <u>Belvedere Tiburon</u> State <u>CA</u> Zip <u>94920</u>	

Well Location	
Address <u>2199 Diamond Mountain RD</u>	APN <u>120-240-015</u>
City <u>Calistoga</u> Zip <u>94515</u> County <u>Sonoma</u>	Township <u>08 N</u>
Latitude <u>38</u> <u>32</u> <u>23.0963</u> <u>N</u> Longitude <u>-122</u> <u>35</u> <u>3.228</u> <u>W</u>	Range <u>07 W</u>
Deg. Min. Sec. Deg. Min. Sec.	Section <u>13</u>
Dec. Lat. <u>38.539749</u> Dec. Long. <u>-122.58423</u>	Baseline Meridian <u>Mount Diablo</u>
Vertical Datum _____ Horizontal Datum <u>WGS84</u>	Ground Surface Elevation _____
Location Accuracy _____ Location Determination Method _____	Elevation Accuracy _____
	Elevation Determination Method _____

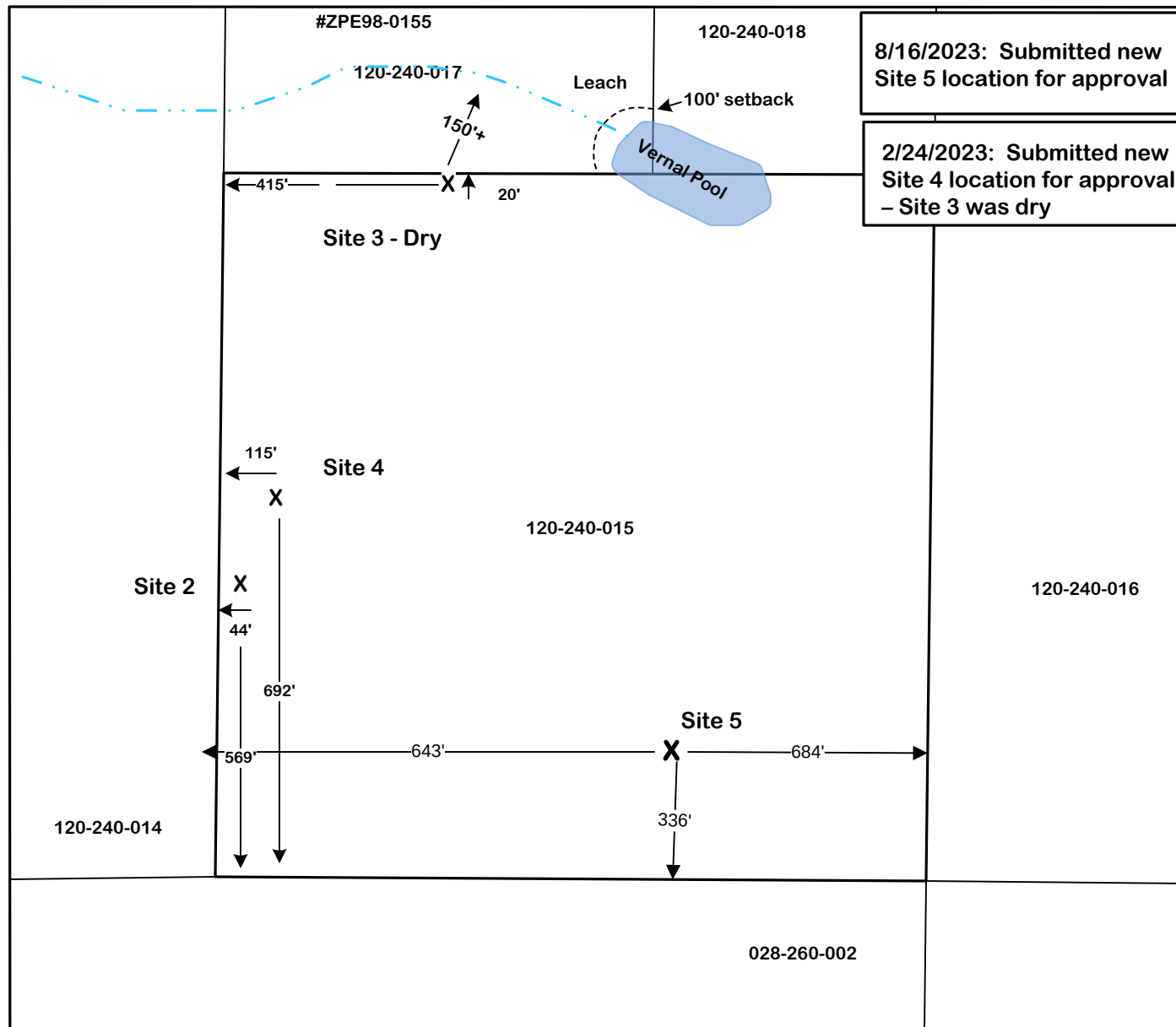
Borehole Information	Water Level and Yield of Completed Well
Orientation <u>Vertical</u> Specify _____	Depth to first water _____ (Feet below surface)
Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Air</u>	Depth to Static _____
Total Depth of Boring <u>600</u> Feet	Water Level <u>360</u> (Feet) Date Measured <u>11/06/2023</u>
Total Depth of Completed Well <u>600</u> Feet	Estimated Yield* <u>40</u> (GPM) Test Type <u>Air Lift</u>
	Test Length <u>3</u> (Hours) Total Drawdown _____ (feet)
	*May not be representative of a well's long term yield.

Geologic Log - Free Form		
Depth from Surface Feet to Feet		Description
0	16	Red dirt, bubbles, boulders
16	40	Tan and red volcanic tuff
40	60	Grayish volcanic tuff
60	140	Colored layered sandy tuff
140	220	Brown silty sandy tuff
220	300	Grayish brown sandy tuff
300	320	Tan brown tuff
320	326	Gray brown rock tuff
326	360	Harder gray brown rock
360	365	Little bit of volcanic rock
365	415	Tan orange brown silty tuff
415	450	Harder blue block w/ brown rock
450	490	Harder blue block w/ brown rock w/ red volcanic rock
490	600	Black w/ gray and green rock w/ some fractured zones

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	410	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	410	430	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	430	450	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	450	470	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	470	490	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	490	510	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	510	530	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	530	550	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	550	570	Blank	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563			
1	570	590	Screen	PVC	OD: 5.563 in. SDR: 21 Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	
1	590	600	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	30	Bentonite	Non Hydrated Bentonite		Surface seal
30	600	Filter Pack	Other Gravel Pack		1/8 x 1/4 gravel

Other Observations:



GPS:

Site 2: 38°32'25.17"N / 122°35'10.88"W

Site 3: 38°32'32.23"N / 122°35'5.97"W - Dry Hole

Site 4: 38°32'26.53"N / 122°35'9.95"W

Site 5: 38°32'23.10"N 122°35'3.22"W



TITLE	2199 Diamond Mtn Road Calistoga	DESCRIPTION
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