

# WEEKS

DRILLING & PUMP CO. ♦ WATER TREATMENT

6100 HIGHWAY 12  
SEBASTOPOL, CA 95472  
WWW.WEEKSDRILLING.COM

OFFICE: (707) 823-3184  
(707) 542-3272  
FAX: (707) 823-4258

## CUSTOMER INFORMATION

W/O#: 41464	DATE OF TEST: 1/6/23	
CUSTOMER NAME: [REDACTED]	CUSTOMER PHONE: [REDACTED]	
AGENT NAME:	AGENT PHONE:	AGENT EMAIL:
BILLING ADDRESS: [REDACTED]	SENT TO: [REDACTED]	
PHOTOS TAKEN/SENT <input type="checkbox"/>		

## WATER PRODUCTION RESULTS

\*\*\*ALL WATER LEVEL READINGS TAKEN FROM THE TOP OF WELL CASING UNLESS OTHERWISE SPECIFIED\*\*\*

WATER LEVEL AT START (STATIC LEVEL): 79'	FLOW RATE AT START: 12.5GPM
FINAL PUMPING LEVEL: 103'	FINAL FLOW RATE: 12 GPM
WATER LEVEL DRAW DOWN: 24'	TOTAL LENGTH OF TEST: 2 hours

## CONSTANT PUMPING LEVEL INFORMATION

STABILIZED PUMPING LEVEL: 103'	
DURATION OF CONSTANT PUMPING LEVEL: 1hr 50 min	TOTAL YIELD: 1,444.00

## WELL SYSTEM DATA

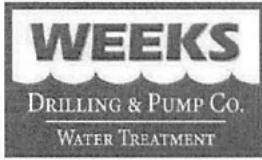
LOCATION OF WELL (ADDRESS): 2001 Mark West Springs Road, Santa Rosa, Ca 95404			
(LATITUDE & LONGITUDE): 38°32'6"N, 122°43'34"W			
CASING SIZE & TYPE: 5" PVC		CURRENT DEPTH OF WELL: 145'	
PUMP MAKE & TYPE: Submersible		PUMP HP: 1	PUMP VOLTS/PHASE: 230v 1 phase
PUMP SETTING SIZE & DEPTH: Set 135' on 1" PVC			
WINDINGS TO GROUND: R: 2.7M Y: 2.7M B: 2.7M		WINDINGS: R-Y: 12.8	R-B: 4.3 Y-B: 15.9
RUNNING AMPS: R: 0	Y: 8.2	B: 8.2	
VFD: <input type="checkbox"/>	MODEL: N/A	STARTER PANEL <input type="checkbox"/>	
FLOAT SWITCH: <input type="checkbox"/>	PRESSURE SWITCH: <input type="checkbox"/>	PRESSURE SWITCH SETTING: N/A	
MOTOR PROTECTION MODEL: N/A		PRESSURE TANK: See comments	
<input checked="" type="checkbox"/> SEE COMMENTS			

## BOOSTER SYSTEM DATA

STORAGE TANK :	SIZE: N/A	TYPE : N/A		
BOOSTER PUMP:	MODEL/TYPE: N/A	HP: N/A	VOLTS: N/A	PHASE: N/A
PRESSURE TANK:	SIZE: N/A	PRESSURE SWITCH SETTING: N/A		
VFD <input type="checkbox"/> :	MODEL: N/A	STARTER PANEL <input type="checkbox"/>	MOTOR PROTECTION MODEL: N/A	
<input type="checkbox"/> SEE COMMENTS				







6100 HWY 12 / PO BOX 176  
SEBASTOPOL, CALIFORNIA 95473  
WWW.WEEKSDRILLING.COM  
(707) 823-3184  
LIC. 177681

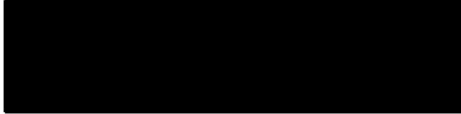
Safe Clear Water Solutions

## Report of Water Analysis

Date: 1/6/2023

Work Order # 41464

For:



Phone Number:

Email:

The following information was derived from water samples we recently received:

<u>Sample Description</u>	—————>	Well Head
Total Alkalinity	mg/l	154
Total Hardness	gpg	8
Total Iron	mg/l	2.5
Total Manganese	mg/l	0
pH		7.4
Total Dissolved Solids	mg/l	100
Visual Appearance		cloudy/yellow
Nitrate (N)	mg/l	0
Other:		
Other:		

### Comments and Recommendation:

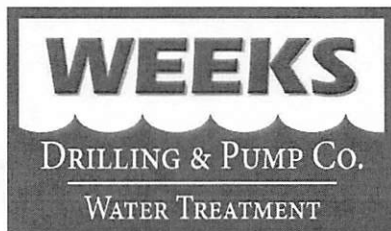
Please see attached Water Analysis Sheet

Please call Lilia Contreras (707) 823-3184, for questions on this report or for water treatment cost information.

By: Alyssa M Andrade

**Abbreviations: gpg = Grains per US Gallon mg/l = Milligrams per liter**

IMPORTANT INFORMATION ON THE LIMITATIONS OF THIS REPORT: The purpose of this report is to provide information regarding the general mineralogical character of a water supply. Unless specifically noted, this report does not include analysis for coliform bacteria or any other health related contaminant and this analysis alone is therefore not suitable for determining the safety of a drinking water supply. This report is intended for the sole and exclusive use of our client named above. Our liability for errors or omissions is expressly limited to the amount paid for the analysis.



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## WATER ANALYSIS INFORMATION

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### ABOUT OUR ANALYSIS

We use industry standard methods of informational water analysis both in the field and in our lab. We analyze water to assist our customers in securing a useful water supply and to support our water treatment work. The tests performed and the way we report the results are tailored to these two goals. Certified analysis for other purposes such as regulatory compliance or litigation should be performed by a commercial laboratory

### TOTAL ALKALINITY

Total alkalinity is an indicator of the general character of well water. The values for total alkalinity can be useful when evaluating other water quality parameters. There is no recommended upper or lower limit.

### TOTAL HARDNESS

Hardness in water is the total of the calcium and magnesium. These metals cause numerous problems in water, primarily by reacting with soap or by creating limestone scale when water is heated. Hardness causes excessive soap consumption and causes a buildup of difficult-to-remove soap deposits on plumbing fixtures and in fabrics. In some cases when water containing hardness is heated the hardness may precipitate as limestone scale, causing inefficiencies in the water heater as well as other problems. Hardness is shown here as grains per gallon (GPG). The degree of hardness in water can be determined by the following chart prepared by the US Geologic survey:

SOFT:	LESS THAN 1 GPG
SLIGHTLY HARD:	1 TO 3.5 GPG
MODERATELY HARD:	3.5 TO 7. GPG
HARD:	7.0 TO 10.5 GPG
VERY HARD:	GREATER THAN 10.5 GPG

### IRON AND MANGANESE

Iron can occur in water in several forms. We report the total iron content. The recommended limit is 0.3 milligrams per liter, although levels slightly higher than this are not always objectionable. Iron can cause stains on plumbing fixtures, appliances, and laundry. It can plug pipelines, and cause unpleasant tastes and odors in water. Manganese is a metal similar in occurrence to iron. The recommended limit is 0.05 milligrams per liter. The problems caused by manganese are similar to iron except that the stains caused by manganese are brown or black. Both iron and manganese are aesthetic nuisances in water but are not of health concern.

### pH

The pH scale is a measure of the relative balance between acid and basic properties of water. The pH scale runs from 0 to 14 with 7, in the middle, being considered neither acid nor basic or, in other words, neutral. Values less than 7 are increasingly acidic; values greater than 7 are increasingly basic. There is no specific recommended limit for pH but because this factor can play a major role in the corrosion of plumbing, water with a pH of less than 6.8 should be considered potentially corrosive.

### TOTAL DISSOLVED SOLIDS

Total dissolved solids (TDS) is a measurement of the all the dissolved minerals in the water. The recommended limit for TDS is 500 mg/l based mainly on taste considerations rather than physiological effects. Depending on what minerals are present in the water to account for high TDS the recommended limit may in many cases be too low. Some water substantially above the recommended limit may be completely acceptable in some cases but not in others. Although there is no recommended lower limit it is important that TDS not be too low as very low TDS water is often corrosive. We usually consider TDS lower than 50 to 75 mg/l to be cause for further inquiry into possible corrosion.

### NITRATE

Nitrate is a ground water pollutant of health significance. It is found in ground water due to excessive use of fertilizers, faulty septic systems, the existence of feed lots, or several other surface activities. Our analysis for nitrate is a brief screening test and if the presence of nitrate is shown we recommend a nitrate test by a commercial laboratory. According to public health experts, nitrate in drinking water at elevated levels is a hazard for infants but is not considered a hazard for adults. Not all researchers agree that nitrate is harmless to adults. Call us for current information.

### ODOR

If our analysis reports odor it is usually expressed as a description of what is causing the odor rather than a numerical result. In some cases we report sulfur odor as parts per million of hydrogen sulfide. On water samples tested at our office we usually do not report odor because it may not persist in a transported sample.

### APPEARANCE

As with odor, we report the appearance of water as a visual description rather than a numerical value. Iron or manganese may discolor a water sample before analysis, resulting in a report of discoloration or haziness even though the water was clear at the time of sampling.

*For further information on water quality, water treatment, or a quotation for water quality improvement, please call us.*



*Alpha*

Alpha Analytical Laboratories, Inc.

email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

10 January 2023

Weeks Drilling and Pump

Attn: Alyssa Andrade

P.O. Box 176

Sebastopol, CA 95473

RE: Water Quality



Work Order: 23A0976

Enclosed are the results of analyses for samples received by the laboratory on 01/06/23 16:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stephen F. McWeeney

Project Manager



# Alpha

Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | 925-828-6226 | ELAP# 2728  
 Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | 916-686-5190 | ELAP# 2922  
 North Bay: 737 Southpoint Blvd Unit D | Petaluma, CA 94954 | 707-769-3128 | ELAP# 2303  
 San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | 760-930-2555 | ELAP# 3055  
 Los Angeles: 1230 E. 223rd Street Suite 205 | Carson, CA 90745 | 424-267-5032 | Service Center

Weeks Drilling and Pump P.O. Box 176 Sebastopol CA, 95473	Project: Water Quality Project #: <span style="background-color: black; color: black;">XXXXXXXXXX</span> Project Mgr: Alyssa Andrade	Reported: 01/10/23 11:40
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### Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Well Head	23A0976-01	Water	01/06/23 15:05	01/06/23 16:35



# Alpha

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 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Name: Well Head  
 Laboratory ID: 23A0976-01  
 Notes:

Report Date: 01/10/23 11:40  
 Sample Date: 01/06/23 15:05  
 Sample Received: 01/06/23 16:35

Parameter	Result	MCL	Reporting Limit	Units	Test Method	ELAP #	Notes
Total Coliforms	<1.0	1	1.0	MPN/100mL	SM9223B	2303	
E. Coli	<1.0	1	1.0	MPN/100mL	SM9223B	2303	

### Inorganic Chemicals

Parameter	Result	MCL	Reporting Limit	Units	Test Method	ELAP #	Notes
Arsenic	<2.0	10	2.0	ug/L	EPA 200.5	2303	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*





**Alpha**

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Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

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#### Notes and Definitions

- MCL Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water regulated by the state of California. If no MCL is listed, the MCL has not been established.
- ND Analyte NOT DETECTED at or above the reporting limit
- \* Tiered Maximum Contaminant and/or Action Levels: Sulfate and Chloride 250-500-600 mg/L, Specific Conductance 900-1600-2200 umho/cm, TDS 500-1000-1500 mg/L.

Non-accredited analytes are reported only when ELAP accreditation for a requested analyte method pair is not available. For a list of accredited analytes, view our certificates at the Company link on our website at [www.alpha-labs.com](http://www.alpha-labs.com) or contact your Project Manager directly.



Corporate Laboratory #1551  
208 Mason Street, Ukiah CA 95482  
707-468-0401 F) 707-468-5267  
email: clientservices@alpha-labs.com  
North Bay Area Laboratory #2303  
110 Liberty Street, Petaluma, CA 94952  
707-769-3128 F) 707-769-8093

Bay Area Laboratory #2728  
282 Rickenbacker Circle, Livermore CA 94551  
925-828-6226 F) 925-828-6309

Central Valley Laboratory #2822  
9090 Union Park Way #113, Elk Grove CA 95824  
916-686-5190 F) 916-686-5192

# Chain of Custody - Work Order

Reports and Invoices delivered by email in PDF format

Lab No 23A0976 Pg      of     

Report to		Invoice to (if different)		Project Information		Signature below authorizes work under terms stated on reverse side.																																															
Company: <b>Weeks Drilling &amp; Pump</b>		Company:		Project Name:		<table border="1"> <thead> <tr> <th colspan="10">Analysis Request</th> <th>TAT</th> <th>Temp upon Receipt °C</th> </tr> </thead> <tbody> <tr> <td colspan="10" rowspan="3"> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>Standard 10 days</span> <span><input type="radio"/></span> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>RUSH: 5 days</span> <span><input type="radio"/></span> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>48 hours</span> <span><input checked="" type="radio"/></span> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>Other: _____ days</span> <span><input type="radio"/></span> </div> </div> </td> <td>Lab preapproval required</td> <td>Ukiah temp:</td> </tr> <tr> <td>Petaluma temp:</td> </tr> <tr> <td>Other temp:</td> </tr> <tr> <td colspan="12">Residual Chlorine mg/L</td> </tr> </tbody> </table>										Analysis Request										TAT	Temp upon Receipt °C	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>Standard 10 days</span> <span><input type="radio"/></span> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>RUSH: 5 days</span> <span><input type="radio"/></span> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>48 hours</span> <span><input checked="" type="radio"/></span> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>Other: _____ days</span> <span><input type="radio"/></span> </div> </div>										Lab preapproval required	Ukiah temp:	Petaluma temp:	Other temp:	Residual Chlorine mg/L											
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Phone/Fax: <b>707-823-8134</b>		Phone/Fax:																																																			
Email Address: <b>Weeks Distribution</b>						<div style="display: flex; flex-direction: column;"> <div style="display: flex; justify-content: space-between;"> <span>Total Number of Containers per Sample ID</span> <span>Bac-T</span> </div> <div style="font-size: 2em; margin-top: 10px;">7</div> <div style="font-size: 2em; margin-top: 10px;">AS</div> </div>																																															
Field Sampler - Printed Name & Signature:																																																					
Sample Identification		Sampling		Container												Preservative				Matrix																																	
		Date	Time	40ml Vial	100ml Bacti											Glass	Sleeve	Other	HCl	HNO3	H2SO4	Other	None	Water	Soil	Other																											
Well head		1-6-23	3:05pm																																																		
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Relinquished by <i>[Signature]</i>		Received by <i>[Signature]</i>		Date	Time	DDW Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No																																															
				1/6/23	1635	State System Number: _____ If "Y" please enter the Source Number(s) in the column above																																															
						CA Geotracker EDF Report? <input type="radio"/> Yes <input type="radio"/> No																																															
						Global ID: _____ Sampling Company Log Code: _____																																															
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