

0100 HIGHWAY 12
 SEBASTOPOL, CA 95472
 WWW.WEEKSDRILLING.COM

OFFICE: (707) 823-3184
 (707) 549-3377
 FAX: (707) 823-4258

CUSTOMER INFORMATION

W/O#: 35227		DATE OF TEST: 5/2/2022
CUSTOMER NAME: Patricia Granger		CUSTOMER PHONE:
AGENT NAME:	AGENT PHONE:	AGENT EMAIL:
BILLING ADDRESS: 240 Valle Vista Way, Durango, CA 81301		SENT TO:

WELL DATA

LOCATION OF WELL: 5050 Bennett Valley Road, Santa Rosa CA 95404 - Located behind house in the field.			
DEPTH OF COMPLETED WELL: 80'			
DIAMETER AND TYPE OF WELL CASING: 5" Steel			
PUMP HP: 1	TYPE: Submersible	PHASE: Single	RUNNING AMPS: 8.4
PUMP SETTING: 60'			

WATER PRODUCTION RESULTS

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

WATER LEVEL AT START (STATIC LEVEL): 7.5'	FLOW RATE AT START: 18 GPM
FINAL PUMPING LEVEL: 7.5'	FINAL FLOW RATE: 18 GPM
WATER LEVEL DRAW DOWN: 0.5'	TOTAL LENGTH OF TEST: 2 hours

CONSTANT PUMPING LEVEL INFORMATION

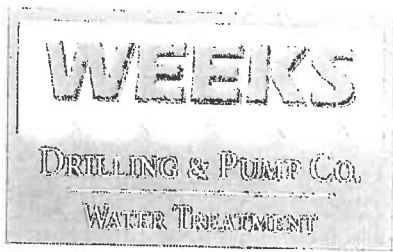
STABILIZED PUMPING LEVEL: 7.5'	STABILIZED FLOW RATE (YIELD): 18'
DURATION OF CONSTANT PUMPING LEVEL: 2 hours	TOTAL YIELD:

WATER SYSTEMS INSPECTION

WELL PUMP	YES	TECHNICAL INFO: 1HP Submersible	<input type="checkbox"/> PHOTOS: SEE ATTACHED
ELECTRICAL	YES	TECHNICAL INFO: Fused disconnect	
MOTOR PROTECTION	N/A	TECHNICAL INFO: N/A	
PRESSURE TANK	YES	TECHNICAL INFO: 85 Gallon	
FILTRATION	N/A	TECHNICAL INFO: N/A	

STORAGE AND BOOSTER SYSTEMS

STORAGE TANK TYPE: N/A	GALLONS:	CONDITION:
NOTES:		
BOOSTER PUMP: N/A	HP:	VOLTS:
NOTES:	PHASE:	RUNNING AMPS:



WATER ANALYSIS INFORMATION

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.

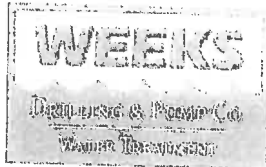
WATER QUALITY TESTING

THE FOLLOWING SAMPLES ARE BEING ANALYZED. PLEASE REFER TO THE FOLLOW UP REPORT FOR RESULTS.

BACTERIA – COLIFORM & E. COLI	DATED: 5/2/2022	TURNAROUND: 3-5 Working Days
ARSENIC	DATED: 5/2/2022	TURNAROUND: 3-5 Working Days
NITRATE	DATED: 5/2/2022	TURNAROUND: 10-12 Working Days
MINERAL	DATED: 5/2/2022	TURNAROUND: 3-5 Working Days
ADDITIONAL :	DATED:	TURNAROUND:

WELL TEST COMMENTS: Water has a slight sulfur smell and feels cooler than room temperature. Static level only dropped 1/2' during the test. Pump motor within spec

WELL TEST RECOMMENDATIONS:



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

Safe Clear Water Solutions

Report of Water Analysis

Date: 5/2/2022

Work Order # 35227

For: Patricia Granger
5050 Bennett Valley Road
Santa Rosa, CA 95404

Phone Number:

Email:

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

<u>Sample Description</u>	→	Well Head
Total Alkalinity	mg/l	223
Total Hardness	gpg	6.4
Total Iron	mg/l	0.4
Total Manganese	mg/l	0
pH		7.6
Total Dissolved Solids	mg/l	190
Visual Appearance		clear
Nitrate (N)	mg/l	0
Other:		
Other:		

Comments and Recommendation:

Please see attached Water Analysis Sheet

Please call Jessie Weatherly (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.

Corporate Laboratory #1551
 208 Mason Street, Ukiah CA 95482
 707-468-0401 F) 707-468-5267
 email: clientservices@alpha-labs.com

Bay Area Laboratory #2728 262 Richterbacker Circle,
 Livermore CA 94551
 925-828-6226 F) 925-828-6309

CHAIN OF CUSTODY

Alpha Analytical Laboratories Inc.
 WATERS, SEDIMENTS, SOLIDS

North Bay Area Laboratory #2303
 737 Southpoint Blvd - Unit D, Petaluma CA 94954
 707-769-3128 F) 707-769-8093

Central Valley Laboratory #2922 9090 Union Park
 Way #113, Elk Grove CA 95624
 916-686-5192

Lab Project Number: 2-2 E-0093

Weeks Customer Name: Patricia Granger

Weeks W/O Number: 35227

CLIENT INFORMATION

Company Name: Weeks Drilling & Pump
 Address: P.O. Box 176
Sebastopol, CA 95473

Contact: Alyssa Andrade
 Phone #: 707 823-3184
 Fax #: 707 823-4258
 e-mail: alyssa@weeksdriilling.com

Job Site Address:
 5050 Bennett Valley Road
 Santa Rosa, CA 95404

Billing Information:

TURNAROUND TIME (check one)

Same Day 24 Hours
 48 Hours 72 Hours
 5 Days Normal

Item	Client Sample ID	Date Sampled	Time	Matrix	# Cont.	Presv. Y/N	Back	ANALYSIS					Comments	Lab Sample #	
								Arsenic	Boron	Ag. Suitability	Dom. Suitability	Nitrate			Hexavalent Chromium
1	<u>well head</u>	<u>5/2/2022</u>	<u>11:30</u>	<u>W</u>	<u>1</u>	<u>Y</u>	<u>X</u>								
2	<u>well head</u>	<u>5/2/2022</u>		<u>W</u>	<u>1</u>	<u>N</u>									
3															
4															
5															
6															
7															
8															

Phone:
 Email:

SIGNATURES

Requested By: [Signature]
 Signature

Sampled By: Josh Siedentopf
 Date: 5/2/22 Time: 12:12

Received By: [Signature]
 Date: 5/2/22 Time: 12:23

Signature: [Signature] Date: 5/2/22 Time: 12:12



Alpha

Alpha Analytical Laboratories, Inc.

email: clientservices@alpha-labs.com

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

Sample Name: Well Head
Laboratory ID: 22E0091-01
Notes:

Report Date: 05/06/22 06:32
Sample Date: 05/02/22 11:30
Sample Received: 05/02/22 13:12

General Mineral and Physical

Parameter	Result	MCL	Reporting Limit	Units	Test Method	ELAP #	Notes
Nitrate as N	<0.40	10	0.40	mg/L	EPA 300.0	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.



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

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 or contact your Project Manager directly.

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North Bay Area Laboratory #2303
737 Southpoint Blvd. - Unit D, Petaluma CA 94954
707-769-3128 F) 707-769-8093

Central Valley Laboratory #2922
Way #1.13, Elk Grove CA 95624
916-686-5190 F)

Bay Area Laboratory #2728
Livermore CA 94551
925-828-6226 F) 925-828-6309

CHAIN OF CUSTODY

Lb Project Number: 22E0091

Weeks Customer Name: Patricia Granger

Weeks W/O Number: 35227

CLIENT INFORMATION

Company Name: Weeks Drilling & Pump
Address: P.O. Box 176
Sebastopol, CA 95473

Contact: Alyssa Andrade
Phone #: 707 823-3184
Fax #: 707 823-4258
e-mail: alyssa@weeksdriilling.com

Job Site Address:
5050 Bennett Valley Road
Santa Rosa, CA 95404

Shipping Information:

TURNAROUND TIME (check one)

Same Day 24 Hours
48 Hours 72 Hours
5 Days Normal X

Item	Client Sample ID	Date Sampled	Time	Matrix	# Cont.	Presv. Y/N	Bact	Arsenic	Boron	Ag. Suitability	Dom. Suitability	Nitrate	Hexavalent Chromium	Comments	Lab Sample #
1	<u>well head</u>	<u>5/2/2022</u>	<u>11:30</u>	<u>W</u>	<u>1</u>	<u>N</u>						<u>X</u>			
2															
3															
4															
5															
6															
7															
8															

SIGNATURES

Requested By: [Signature] Signature: [Signature]
Sampled By: Josh Siedentopf Received By: [Signature]
Date: 5/2/22 12:22 Date: 5/2/22 12:22
Time: 13:12 Time: 13:12



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: 22E0093-01
Notes:

Report Date: 05/04/22 17:01
Sample Date: 05/02/22 11:30
Sample Received: 05/02/22 13:12

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	

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