

January 5, 2022

Steve Weiss
108 Spencer Ave.
Sausalito, CA 94965

Re: Report of Well Test

Dear Steve,

Attached please find the well test recently completed at 75 Horseshoe Hill Road in Bolinas, California.

Sincerely,

Jim Mickelson
Jerry & Dons Yager Pump & Well

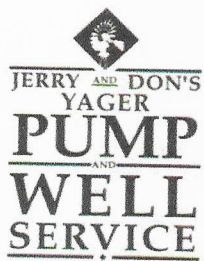


Quality • Satisfaction • Trust

JM/pf

Encl.

ALL MAIL TO: P.O. BOX 2689, PETALUMA, CA 94952-2689
1290 BODEGA AVENUE, PETALUMA, CA 94952
Telephone (707)762-1473 • Facsimile (707)769-9102



Jerry & Don's Yager Pump and Well
 1290 Bodega Ave - Petaluma, CA 94952
 Ph: 707-762-1473 Fax: 707-769-9102
 License: C-36, C-57 424778

WELL TEST REPORT

CUSTOMER INFORMATION

REPORT#:	1522
DATE OF TEST:	12/28/2021
CUSTOMER NAME:	Steve Weiss
AGENT NAME:	Kirsten Walker
PROPERTY ADDRESS:	75 Horseshoe Hill Road
MAILING ADDRESS:	108 Spencer Ave., Sausalito, CA 94965
CONTACT:	Kirsten Walker
CONTACT PHONE:	415-699-0475
EMAIL:	
FAX:	

WELL DATA

LOCATION OF WELL:	In Pump Shed
TYPE OF WELL:	Drilled
WELL DEPTH:	Unknown
CASING SIZE & TYPE:	5" PVC
SANITARY WELL SEAL	No
PUMP HP & TYPE:	½ Hp Submersible
PUMP SETTING:	126'
PUMP STATIC PRESSURE:	65 PSI
PRESSURE TANK MODEL:	N/A

WATER PRODUCTION OPERATING PRESSURE

RESULTS

WATER LEVEL AT START (STATIC LEVEL):	58'5"
WATER LEVEL DRAWDOWN:	63'7"
STABILIZED PUMPING LEVEL:	122'
FINAL PUMPING LEVEL:	122'
DURATION OF CONSTANT PUMPING LEVEL:	1 Hour
FLOW RATE OPEN DISCHARGE:	12.5
TOTAL LENGTH OF TEST:	1 Hour 38 Minutes
STABILIZED FLOW RATE (YIELD):	7.3
TOTAL YIELD - GALLONS:	827

SYSTEM INSPECTION

CONDITION

BOOSTER PUMP MODEL:	J10S	
ELECTRICAL:		Good
BOOSTER TANK MODEL:	V-250	
OPERATING PRESSURE SETTING:	35-55	
BOOSTER PUMP CAPACITY:		
STORAGE TANK TYPE & SIZE:	2500 Poly	
WATER TREATMENT EQUIP:	Triple O	

WATER SAMPLE TESTING

PARAMETER	DATE COLLECTED	RESULTS		RECOMMENDED LEVELS
		Raw	Treated	
HARDNESS	12/28/2021	12	10	Less than 3 G.P.G.
PH	12/28/2021	6.0	7.5	7.0 to 8.5
IRON	12/28/2021	0.3	0.1	Less than 0.3 P.P.M.
T.D.S.	12/28/2021	200	200	Less than 500 P.P.M.
MANGANESE	12/28/2021	Trace	Trace	Less than 0.05 P.P.M.
ARSENIC	12/28/2021	ND	N/A	<10ug/L-EPA Recommended Limit
NITRATE	12/28/2021	6.3	N/A	<10mg/L-Reported as N -EPA Recommended Limit
VISUAL APPEARANCE	12/28/2021	Clear		

BACTERIA

COLIFORM	12/28/2021	17.8	144.5	<1.0 Safe to Consume
E. COLI	12/28/2021	<1.0	<1.0	<1.0 Safe to Consume

COMMENTS

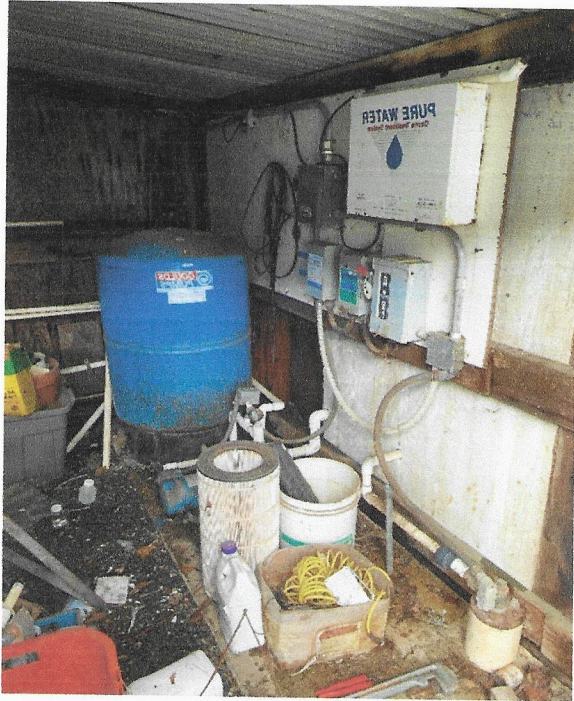
The electrical appears to be in good condition and the well pump was operating properly. The bearings in the booster pump motor are noisy and given the apparent age and condition of the booster pump, it should be replaced soon. Unions and miscellaneous plumbing should be added to the inlet and outlet of the pump and pressure tank when the pump is changed. The pressure tank was charged to 30 PSI and should be charged to 33 PSI. The pressure switch and control box were in good condition. The well seal is a split style well seal and should be replaced with a solid sanitary seal. All samples were drawn during the flow test. The static water level in the well before the start of the well test was 58' 5" from the top of casing. The max flow rate from the pump was 12.5 gpm. During the test the water level in the well stabilized with 25 psi back pressure producing 7.3 gpm at 122'. At the start of the test the dead head pressure was at 65 psi. The well pump does not perform at the manufacturers factory specifications but the pump is still able to fill the storage tanks at a greater rate than the yield of the well.

Test completed by Technician: Jacob Emschweiler

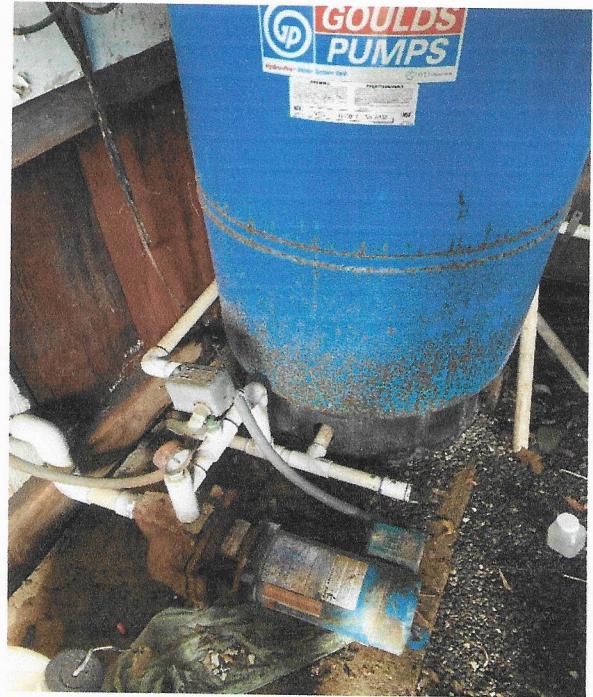
APPROVED BY: JIM MICKELSON

This report is for informational use only. It is in lieu of, and supersedes any other representation or statements of the agents or employees 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 well are subject to dramatic changes even in short periods of time. Therefore, the data and conclusions are valid only as of the date of the test or installation indicated, and should not be relied upon to predict either the future quality or quantity of water that the well will produce. The company makes no warranties, either express or implied, as to such future water production, and expressly disclaims and excludes any liability for consequential or incidental damages arising out of the breach of any express or implied warranty of future water production, or out of any further use of this report by the customer.

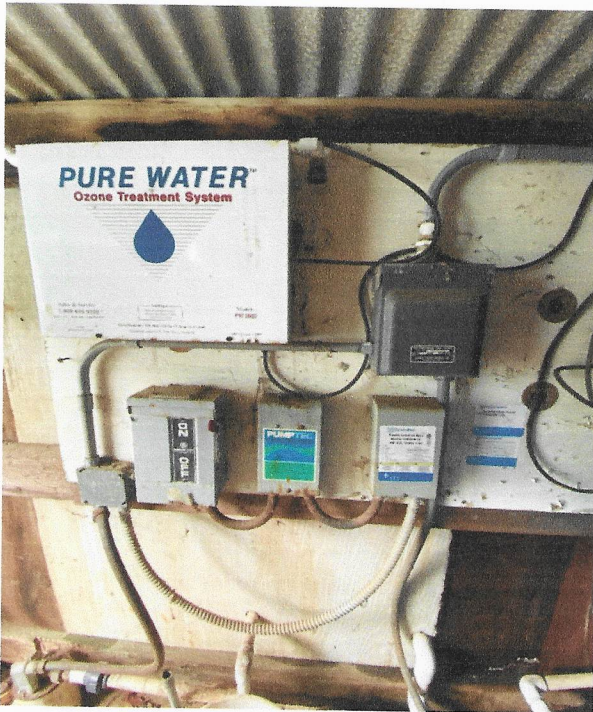
PUMP SHED W/ WELL HEAD, BOOSTER PUMP, PRESSURE TANK, OZONE GENERATOR AND ELECTRICAL CONTROLS



BOOSTER PUMP, PRESSURE SWITCH & PRESSURE TANK

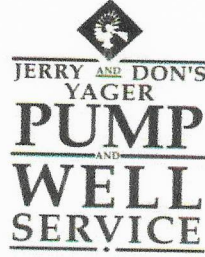


OZONE GENERATOR & ELECTRICAL CONTROLS



STORAGE TANK





WATER ANALYSIS REPORT

Date Report Prepared: 1/3/2022

Customer Name: Scott Weiss

Mailing/Billing Address: 108 Spencer Ave.

City & State: Sausalito, CA 94965

Sample Taken By: Jacob E.

Location of Sample (Address & Collection Point): 75 Horseshoe Hill Road – Raw at Well Head

Date Sample Collected: 12/28/2021

Date Sample Testing Completed: 12/28/2021

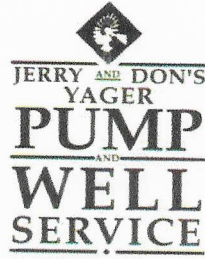
Recommended Levels:	Sample Result Level(s):
Bacteria (Coliform) Less than 1 M.P.N.*	<u>17.8</u>
Bacteria (E. Coli) Less than 1 M.P.N.*	<u><1.0</u>

*The M.P.N. is the Most Probable Number

Comments
Bacteriological Interpretation — Contaminated

IMPORTANT INFORMATION:

Our liability for error or omissions is expressly limited to the amount paid for the analysis. The intent of this report is to provide information concerning the basic mineral makeup of the above tested water supply. This report does not include analysis for bacteria or any other health related contaminants, unless noted. This analysis is not suitable for determining the safety of a drinking water supply and is intended for the exclusive use of our client named above.



WATER ANALYSIS REPORT

Date Report Prepared: 1/3/2022

Customer Name: Scott Weiss

Mailing/Billing Address: 108 Spencer Ave.

City & State: Sausalito, CA 94965

Sample Taken By: Jacob E.

Location of Sample (Address & Collection Point): 75 Horseshoe Hill Road – After Triple O

Date Sample Collected: 12/28/2021

Date Sample Testing Completed: 12/28/2021

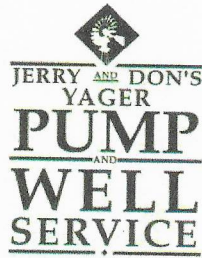
Recommended Levels:	Sample Result Level(s):
Bacteria (Coliform) Less than 1 M.P.N.*	<u>144.5</u>
Bacteria (E. Coli) Less than 1 M.P.N.*	<u><1.0</u>

*The M.P.N. is the Most Probable Number

Comments
Bacteriological Interpretation — Contaminated

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WATER ANALYSIS – BASIC MINERAL

Date: 12/28/2021
Customer: Scott Weiss
Contact Person: Scott
Property Address: 75 Horseshoe Hill Road
Billing Address: 108 Spencer Ave. Sausalito, CA 94965
City & State: Bolinas, CA 94924
Phone Number: 415-699-0475
Sample Location: Raw at Well Head / Treated – After Triple O
Sample Taken By: JE
E-Mail: _____

PARAMETER	RESULTS	RECOMMENDED LEVELS
	Before / After	
Hardness (as CA CO3)	12 / 10	Less than 3 G.P.G.
P.H.	6.0 / 7.5	7.0 to 8.5
Iron	0.3 / 0.1	Less than 0.3 P.P.M.
T.D.S.	200 / 200	Less than 500 P.P.M.
Manganese	Trace / Trace	Less than 0.05 P.P.M.

Others Samples Taken:

PHYSICAL APPEARANCE OF SAMPLE:

Clear: Excessive Solids: Slight Turbidity: Cloudy:

CUSTOMER COMPLAINTS/ REASON FOR SAMPLE:

Well Test

RECOMMENDATION:

Please see the attached water analysis information. For further information including a quote to correct any issues above please contact our office, at 707-762-1473.

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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

Jerry & Don's Yager Pump & Well 1290 Bodega Ave. Petaluma, CA 94952	Project Manager: Shannon Jones Project: Water Quality Project Number: Scott Weiss 75 Horseshoe Hill Rd Bolinas	Reported: 01/03/22 10:24
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Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922
North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510 | ELAP# 3055

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
At Well Head	21L3914-01	Water	12/28/21 10:40	12/28/21 14:27

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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	Result	Units	Reporting Limit	Dilution	Batch	Prepared	Analyzed	ELAP#	Method	Note
At Well Head (21L3914-01)			Sample Type: Water			Sampled: 12/28/21 10:40				
Metals by EPA 200 Series Methods										
Arsenic	ND	ug/L	2.0	1	AL15473	12/29/21 15:00	12/30/21 09:33	2303	EPA 200.5	
Anions by EPA Method 300.0										
Nitrate as N	6.3	mg/L	0.80	2	AL15327	12/28/21 15:00	12/29/21 11:43	2303	EPA 300.0	

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Non-accredited analytes are reported only when ELAP accreditation for a requested analyte 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.