

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
WATER WELL DRILLERS REPORT

Do not fill in  
**No. 133969**

State Well No. \_\_\_\_\_  
Other Well No. \_\_\_\_\_

Owner of Interest No. 1/28/78  
Local Permit No. or Date \_\_\_\_\_

**(1) OWNER:** Mr. Callison  
3506 Erland Road  
Erland, CA 95104

**(2) LOCATION OF WELL** (See instructions):  
County: Erland  
Well address, if different from above: 6505 Erland Rd., S. Ross, CA  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_  
Distance from cities, roads, railroads, fences, etc.: 3 miles N.E.

**(3) TYPE OF WORK:**  
New Well  Deepening   
Reconstruction   
Reconditioning   
Horizontal Well   
Destruction  (Describe destruction materials and procedures in Item 12)

**(4) PROPOSED USE:**  
Domestic   
Irrigation   
Industrial   
Tees Well   
Stock   
Municipal   
Other

**(5) WELL LOG:** Total depth 125 ft. Depth of completed well 125 ft.  
from ft. to ft. Formations (Describe by color, change, size or material)  
50 - 60 Hard Volcanic Basalt  
60 - 68 Sandy Brown Clay  
68 - 125 Gray Volcanic Rock

**(6) GRAVEL PACK:**  
Yes  No  Size 20 to 120

**(7) CASING INSTALLED:**  
Steel  Plastic  Concrete   
From 0 To 125 Dia. in. 4 Gauge or Wall 125

**(8) PERFORATIONS:**  
Type of perforation or size of screen  
From 60 To 120 Slot size \_\_\_\_\_

**(9) WELL SEAL:**  
Was surface sanitary seal provided? Yes  No  If yes, to depth 20 ft.  
Were strata sealed against migration? Yes  No  Interval \_\_\_\_\_ ft.  
Method of sealing \_\_\_\_\_

**(10) WATER LEVELS:**  
Depth of first water, if known 65 ft.  
Standing level after well complete \_\_\_\_\_ ft.

**(11) WELL TESTS:**  
Was well test made? Yes  No  If yes, by whom? driller  
Type of test Pump  25  Bailor  Air lift 50  
Depth to water at end of test 3 ft. At end of test \_\_\_\_\_ ft.  
Discharge \_\_\_\_\_ gal/min after \_\_\_\_\_ hours Water temperature \_\_\_\_\_  
Chemical analysis made? Yes  No  If yes, by whom? \_\_\_\_\_  
Was electric log made? Yes  No  If yes, attach copy to this report

Work started May 4 19 78 Completed May 8 19 78

**WELL DRILLER'S STATEMENT:**  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED: \_\_\_\_\_  
NAME: ABC Drilling Company  
Address: 2211 Fourth Street  
City: Santa Rosa, CA  
Phone No. 5071 Date of this report 5/17/78

DWR 150 (Rev. 7-74) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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Theodore Sweeney  
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Dominique Sweeney  
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8/29/2016

8/29/2016

State of California  
Department of Water Resources

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WATER WELL DRILLERS REPORT

Do not fill in  
No. 44599

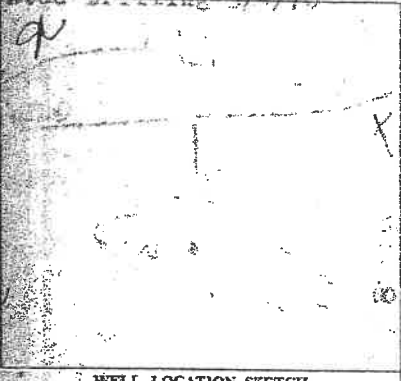
Local Permit No. or Date: 612-80

State Well No.  
Other Well No.

(1) OWNER: Name: Herald Callison  
Address: 6505 Briand Rd.  
Santa Rosa, Calif. Zip 95404

(2) LOCATION OF WELL (See instructions):  
County: Sonoma Owner's Well Number:  
Well address if different from above: same  
Township: Range: Section:

Distance from cities, roads, railroads, fences, etc.: 30' from driveway  
on down hill side, 20' from east prop.  
line approx. 400' from well drilled by  
Atco Drilling 5/4/78



(3) TYPE OF WORK:  
New Well  Deepening   
Reconstruction   
Reconditioning   
Horizontal Well   
Distinction  (Describe  
distinction materials and  
procedures in Item 12)  
(4) PROPOSED USE:  
Domestic   
Irrigation   
Industrial   
Test Well   
Stock   
Municipal   
Other

(12) WELL LOG: Total depth 146 ft. Depth of completed well 146  
from ft. to ft. Formation (Describe by log, diameter, size or material)

0	12	coil and boulders
12	40	reddish brown volcanic rock
40	45	brown volcanic ash
45	90	gray hard volcanic rock
90	94	red hard volcanic rock
94	110	green & blue hard vol. rock
110	146	blue hard fractured volcanic rock & water

(5) EQUIPMENT:  
Pumps  Reverse   
Cable  Air   
Other  Bucket

(6) GRAVEL PACK:  
Yes  No  Size 3/8"  
Diameter of bore 8"  
Packed from 20 to 146 ft.

(7) CASING INSTALLED:  
Steel  Plastic  Concrete   
From ft. To ft. Dia. In. Casing or Wall

0	146	5	9/16
			138

(8) PERFORATIONS:  
Type of perforation or size of screen

From ft.	To ft.	Slot size
83	146	1/8" x 4 rows

factory mill perf.  
per ft, 4 slots per row

(9) WELL SEAL:  
Was surface sanitary seal provided? Yes  No  If yes, to depth 24 ft.  
Were strata sealed against pollution? Yes  No  Interval \_\_\_\_\_ ft.  
Method of sealing: concrete pour

Work started 11/4 1980 Completed 11/6 1980

(10) WATER LEVELS:  
Depth of first water at start \_\_\_\_\_ ft.  
Standing level after well completion 25 ft.

WELL DRILLER'S STATEMENT:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(11) WELL TESTS:  
Was well test made? Yes  No  If yes, by whom? Callison  
Type of test:  Pump  Bulb   
Depth to water at start of test 80 ft. At end of test 146 ft.  
Discharge 60 gallons per hour. Water temperature 60.0  
Chemical analysis made? Yes  No  If yes, by whom?  
Was chlorine made? Yes  No  If yes, attach copy to this report.

SIGNED: \_\_\_\_\_ (Well Driller)  
NAME: Puttins & Jensen Drilling  
(Person, firm, or corporation) (Typed or printed)  
Address: 1924 Ravenstein Avy. So.  
City: Santa Rosa, Calif. Zip: 95402  
License No: 74081 Date of this report: 11/15/80

**MIKE TREINEN, REHS**  
**ONSITE WASTEWATER CONSULTANT**  
**4910 HAYFIELD CT.**  
**SANTA ROSA CA 95404-9550**  
**707-526-0872**  
*treinen@sonic.net*

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*Joan Santon* 8/30/2016  
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August 25, 2016

DocuSigned by:  
*Theodore Sweeney* 8/29/2016  
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Ted Sweeney, Prospective Buyer  
Martin Humphrey, Broker Associate / Realtor ®, Sotheby's

DocuSigned by:  
*Dominique Sweeney* 8/29/2016  
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Subject: Report of Findings in regard to an evaluation of the onsite wastewater treatment system at 6505 Erland, Santa Rosa on August 25, 2016

**Permit History**

Sonoma County Permit and Resource Management Department (PRMD) Well and Septic Division records were requested and reviewed. For this address, no septic system permit was located, likely due to the pre-code age (<1962) of the house & system.

**Septic Tank**

1. There is a concrete, hand-poured two-compartment approximately 800 gallon septic tank located at the front of the house. The tank is at surface grade and the lids are visible. The tank was pumped at the time of the inspection by Vineyard Septic Service (477-0556). The tank, lids, and terra cotta inlet and outlet baffles are in reasonably good condition. The water level was appropriate in the tank at the time of the inspection.
2. The outlet pipe outside of the tank is broken and clogged with roots. Water added to the tank as a load test poured out of the pipe immediately outside of the tank at which time the test was halted.
3. There is a small graywater tank in the driveway. It is not clear where the outlet pipe goes. We added over 100 gallons to the tank which handled the water well. No surfacing of the water was noted downhill. It was not clear which fixtures are served by this tank.

**Dispersal System / Leach Field**

4. The precise location size and age of the leach field are unknown at this time. The system is likely somewhere downhill of the tank. As no water is reaching the leach field, I am unable to make an accurate statement re: leach field function at this time.

**System Replacement Area**

5. There is substantial area for replacement leach lines on this very large parcel. Some of that may be by pumping to higher elevations or more distant locations.

**System Evaluation**

6. Pending further exploration.

**MIKE TREINEN, REHS**  
**ONSITE WASTEWATER CONSULTANT**  
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**SANTA ROSA CA 95404-9550**  
**707-526-0872**  
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**System Evaluation**

6. Pending further exploration.

**Recommendations / Comments**

- A. Have a pumping service company or septic system contractor further explore the outlet pipe. They will attempt to get through the root blockage and locate the leach field electronically. If successful, they will load test the leach field. The outlet pipe and a portion of the pipe following the tank will need replacement. Vineyard charges \$295 for the first 1.5 hours then \$67/hr thereafter. A worst case scenario of installing a new leach field meeting voluntary repair standards may run \$7,000 - \$10,000 including permit and design. See E below. I would suggest a contractor's bid for more accuracy.
- B. Regular pumping is important to the long-term health of the systems. With full time occupancy by 2-3 people, it is recommended that the septic tank be pumped regularly every 3-5 years. This time interval may be increased or decreased if use is heavier or lighter than described or as recommended by the pumping service company. Sewage flow can be substantially reduced, and system lifespan extended, through the use of low flow toilets, showerheads and dishwashers, as well as faucet aerators and a front loading or high efficiency top loading laundry machine. Liquid detergent is suggested. If biocidal pharmaceuticals are used long term by the occupants, the septic tank will need more frequent pumping. Note septic tank additives are generally not needed for proper septic system function.
- C. Food-related grease and oils should be placed in cans or jars and disposed of in the home's solid waste container and not drained into the septic tank as it can lead to premature clogging of leach lines.
- D. Note that a *laundry-only* subsurface graywater system may be installed without permits; however, there are specific standards which I could discuss with you if there is interest.
- E. We discussed a Class 1 system which may allow for an additional bedroom. This would require a larger tank and most probably an upgraded system following county monitored soil testing to determine the type and scope of such a system. This would also require hooking the graywater to the new tank. (Also see "D" above).

No warranty or guaranty is given or implied regarding the future function of the sewage systems.

Should you need further information regarding this report, please contact me at 707-526-0872.

Respectfully,

Mike Treinen,  
California Registered Environmental Health Specialist # 3826

