Ray's Well Testing Service Inc.
4031 Shadowhill Dr, Santa Rosa Ca 95404
Phone 707 823 3191 **Fax** 707 317 0057 **Lic#** 903708

Well Report

CUSTOMER INFORMATION

REPORT #: 5078	DATE OF TEST: 9/24/12
CUSTOMER NAME: Alvin James Hansen Trust	CONTACT:
AGENT NAME: Karl Bundesen - Century 21 Real Estate	CONTACT: 707 769 9000
PROPERTY ADDRESS: 6195 Chileno Valley Rd, Petaluma Ca 94952	SENT TO: karl@bundesen.com

WELL DATA

LOCATION OF WELL:	Inside shed along driveway at base of hillside
TYPE OF WELL:	Drilled
DEPTH OF COMPLETED WELL:	Probe stopped at 35 Feet
DIAMETER OF WELL CASING:	8 -5/8" O.D. Steel
SANITARY WELL SEAL (PLATE SEAL AT OPENING OF WELL CASING):	Yes
ANNULAR SEAL (IN-GROUND SEAL OF BOREHOLE):	Unknown - Please Refer to well log
PUMP HP AND TYPE:	1/2 HP 230V Submersible
DEPTH OF PUMP SUCTION:	32.5 Feet

WATER PRODUCTION RESULTS

WATER LEVEL AT START (STATIC LEVEL):	7.7 Feet	FLOW RATE AT START:	19 GPM
FINAL PUMPING LEVEL:	32.5 Feet	FINAL FLOW RATE:	**7 GPM**
WATER LEVEL DRAWDOWN:	24.8 Feet	TOTAL LENGTH OF TEST:	4 Hours

CONSTANT PUMPING LEVEL INFORMATION

STABILIZED PUMPING LEVEL:	32.5 Feet	STABILIZED FLOW RATE (YIELD):	**7 GPM**
DURATION OF CONSTANT PUMPING LEVEL:	1 hour @ 7 GPM	TOTAL YIELD:	420 Gallons

WATER SYSTEM INSPECTION

WELL PUMP	Functional	TECHNICAL INFO: 13 GPM @ 60 PSI, control box dated 2005, 5.6 amps
ELECTRICAL	Functional	TECHNICAL INFO: 15 amp fuse disconnect
PRESSURE TANK	Deficient	TECHNICAL INFO: 44 Gallon WR 140, 0 PSI, Tank dated 1990
STORAGE TANK	See Comments	TECHNICAL INFO: 8000 Gallon Concrete
BOOSTER PUMP	None	TECHNICAL INFO:

WATER QUALITY TESTING

THE FOLLOWING SAMPLES ARE BEING ANALYZED. PLEASE REFER TO FOLLOW-UP REPORT FOR RESULTS.		
Homeowners panel 1	DATED: 9/24/12	TURNAROUND: Standard
	DATED:	TURNAROUND:
	DATED:	TURNAROUND:
	DATED:	TURNAROUND:

SEE NEXT PAGE FOR FURTHER INFORMATION...

DATE: 9/24/12

ADDRESS: 6195 Chileno Valley Rd, Petaluma Ca 94952

COMMENTS:
1. The recharge rate at the end of the test was 7 gallons per minute. This test may not represent the long term or seasonal yield.
The water level recovered to 17 feet below surface 25 minutes after shutting off the pump.
2. The water was visibly clear at the start of the test, light yellow/brown for 2 hours and visibly clear the remainder.
3. The well pump and pressure tank fill the concrete storage tank on the hillside above the house. From the concrete tank, water gravity
pressurizes the house. The pressure at the house measured 28 PSI.
4. The well is a shallow drilled well at the base of the hillside. It has a steel casing and it could not be confirmed that the well has an
in-ground annular seal. It may be possible that during rains, the water may become discolored with silt/clay.
RECOMMENDATIONS:
1. The probe device meant to protect the well pump from dry running does not work. Recommend installing a pumpsaver 231 device.
2. The storage tank has a crack that is seeping water. The installation date is 1969. The tank has a wood roof that does not properly seal
the opening of the tank. I recommend bypassing the tank and installing a modernized tank to serve as a better sealed method of water
storage. Alternatively, this tank can just be used for agriculture and a smaller tank can be installed for the domestic supply.
3. The pipeline running up the hill to the tank has corroded couplings and is not buried completely. Recommend upgrading piping.
4. Water test results and treatment recommendations pending. It is recommended to use Ultraviolet treatment as a safeguard against
bacteria when water is stored in a vented tank before it services the house.
5. The pressure switch is worn and should be replaced.
6. The pressure tank has a failed bladder and does not hold air pressure. Recommend replacing tank.
7. The wiring overhead and inside the pump shed is messy. The wiring in the pump house is not protected in conduit. Recommend
electrical upgrades to prevent a hazard.
8. There is a hand dug well along the driveway. It does not have a pump in it. It measured 19 feet deep and the water level is 4 feet below
surface. Recommend covering the well with a steel plate to prevent a hazard.

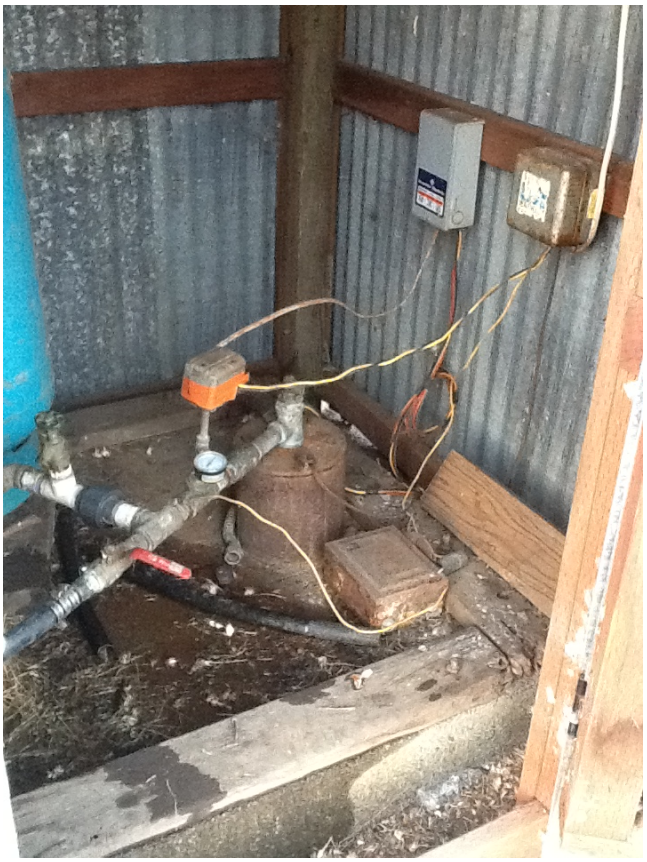
Thank you for allowing us to do your well inspection!

APPROVED BY: NICK BRASESCO

Water levels and well depth are measured as feet below top of well casing unless otherwise noted.

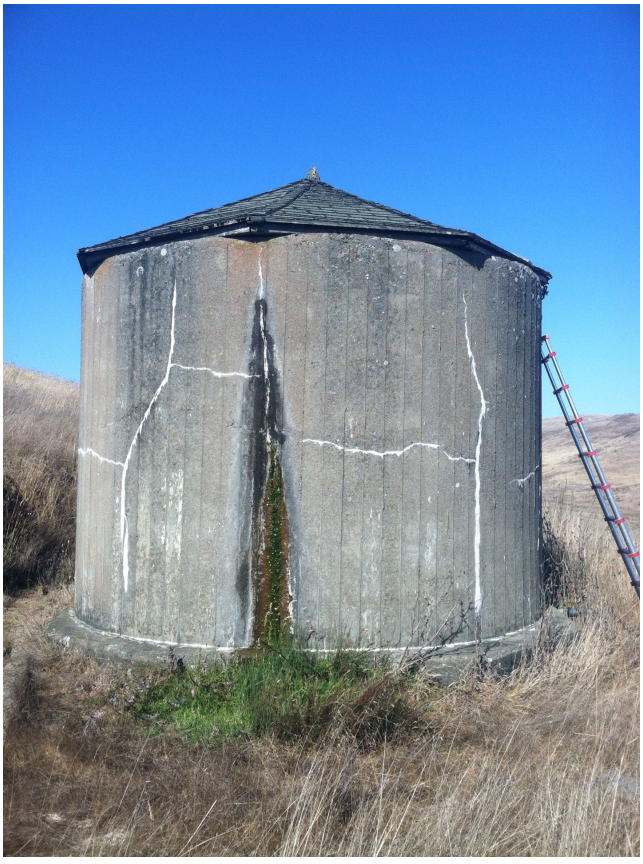
All wells and springs are subject to seasonal and yearly changes in regards to water yield, production and quality. Wells may be influenced by creeks or other water sources and are likely to yield less water during dry months of the year; typically August, September, & October. We make no predictions of future water production or water quality.

Well head

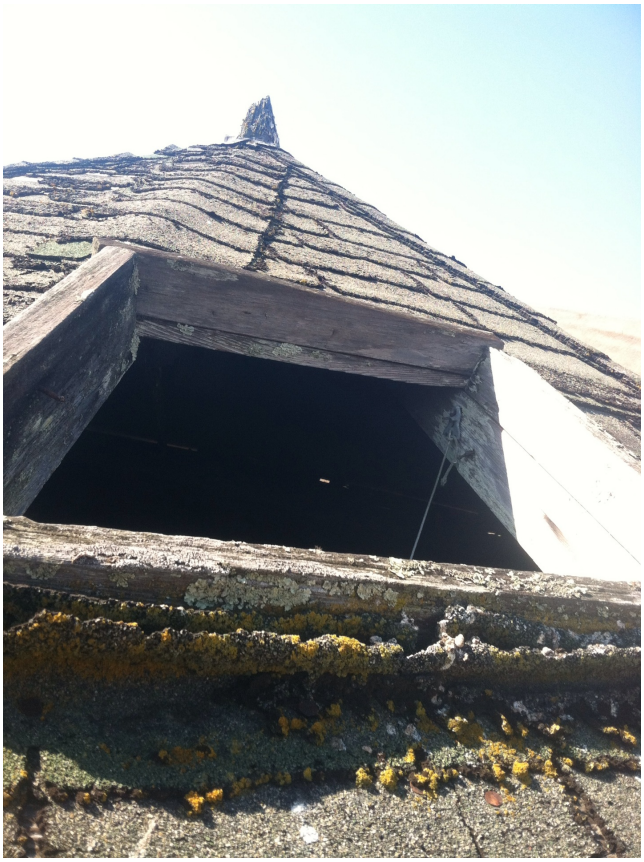


Pressure tank

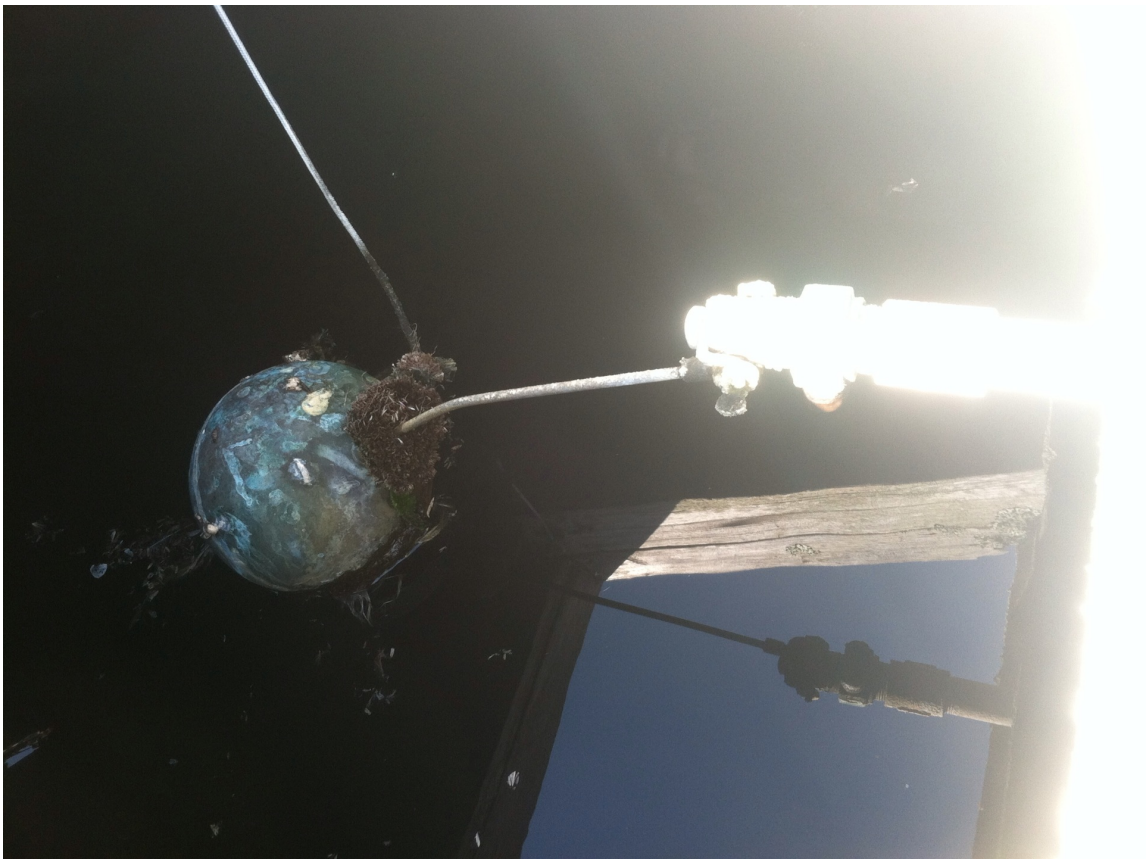
Storage tank



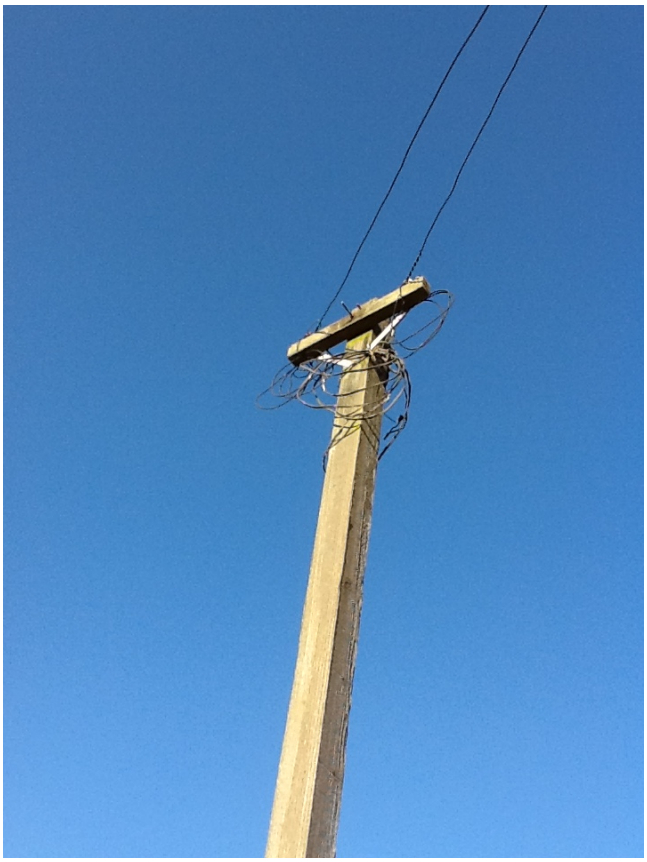
Hatch opening on tank



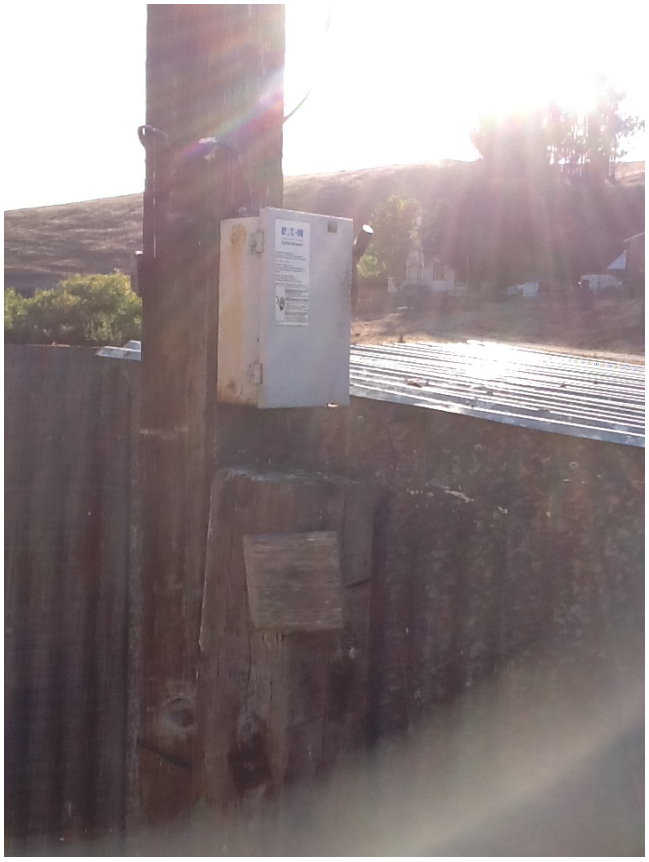
Float valve in storage tank



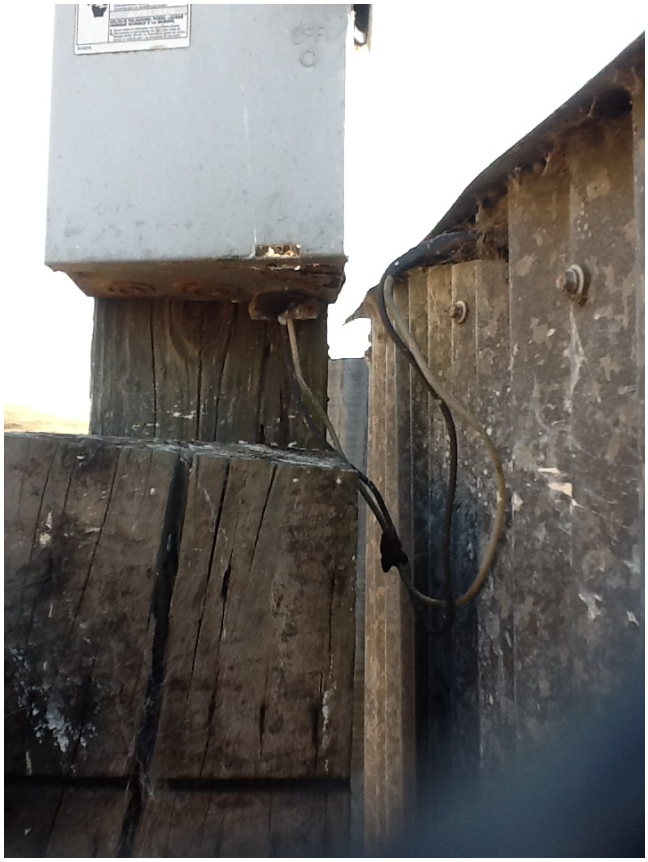
Overhead electrical



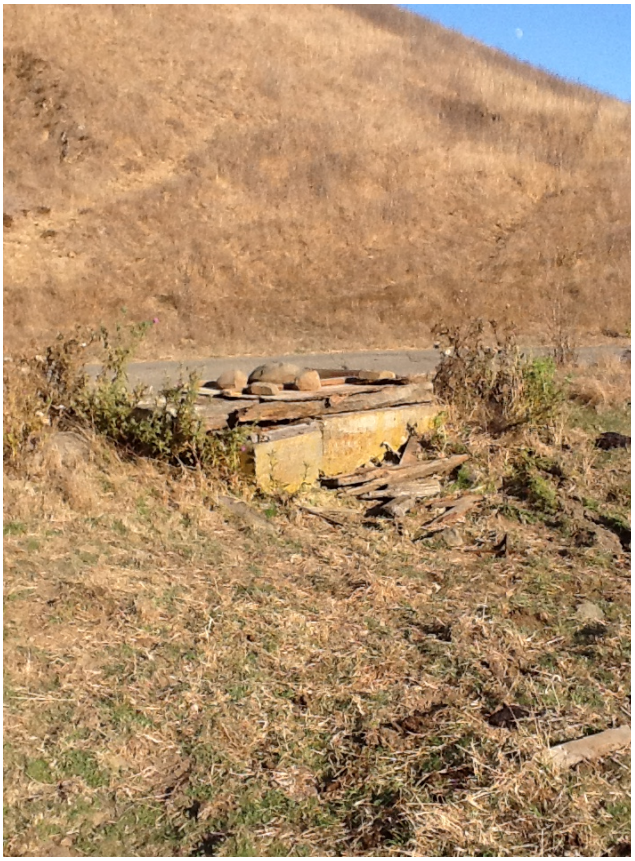
Fuse disconnect for well pump



Electrical into building



Hand dug well



Hand dug well