

NORTH STATE WATER TESTING/PUMP**P.O. Box 1933****Chico, Ca 95927****Phone: (530) 345-3412****D1 Operator License NO: 38720****Contractors license NO: 1084872**

Well Water Production and Analysis Report**Date:** 07/12/22**Test Location:** 105 Harvey Road**Well Driller:** N/A **Depth of Well:** N/A**Date Drilled:** N/A **Well Size:** 6"**Pipe Size:** 1"**Depth to Water:** N/A **Original G.P.M.:** N/A**Well Number:** 1 **Of: (Wells)** 1**Type of Pump Used:** Submersible and booster **Model Number:** 1/2 HP Sub, 3/4 HP Booster**G.P.M. Rate:** 8 at hose bib **Pumping System Supplied By:** N/A

Start of Test: 1715

Time:	Water Clarity:	G.P.M.:
1715	Good	8
1725	Good	8

Reason For Stopping Test: The 10 minute test was complete.

Total Test Time: 10 minutes. A longer test is not necessary due to the system being supplied by a storage tank

G.P.M.: 8 Booster, 10 submersible

Testing Operator: Jordan Hagstrom

Comments: See attached system check documents.

NORTH STATE WATER TESTING/PUMP IS PERFORMING THIS TEST TO PROVE MINIMUM CAPACITY OF THIS WELL, AND HEREBY CERTIFIES THAT THE ABOVE DATA IS CORRECT AND THAT DURING THE ENTIRE TESTING PERIOD, AN OPERATOR WAS PRESENT AND OPERATING THE EQUIPMENT NECESSARY FOR THIS TEST. NORTH STATE WATER TESTING/PUMP MAKES NO CLAIM AS TO THE PERFORMANCE OR RELIABILITY OF THE ABOVE-NAMED WELL WATER SYSTEM.

Paul A. Behr Paul Behr

Systems Check

Pressure System

1. Pressure Tank

Type:	(2) Bladder and (1) Storage	Size:	35, 50 (Bladder) and 1100 (Storage)
Operating Pressure:	0-125	Condition:	Good

2. Safety Relief Valve

Location:	None found	Condition:	Good, Recommend installing a safety relief valve on the pressure system to prevent over pressurization of the system and possible catastrophic failure of the system.
------------------	------------	-------------------	---

3. Check Valve:

Location:	Well head	Condition:	Good
------------------	-----------	-------------------	------

4. Schrader Valve:

Location:	None needed	Condition:	-
------------------	-------------	-------------------	---

5. Air Control

Location:	None needed	Condition:	-
------------------	-------------	-------------------	---

6. Vacuum Break:

Location:	None found	Condition:	-
------------------	------------	-------------------	---

7. Pressure Switch:

Location:	Tank tee (Submersible)	Type:	SK-II
P.S.I. On:	20	P.S.I. Off:	40

Condition:

Good. Starting to show signs of light burning at contact points.

8. Leak Check:

Location:	Well head and pressure system	Results:	None found
------------------	-------------------------------	-----------------	------------

9. Piping Used:

Type:	PVC, Galvanized	Condition:	Good
--------------	-----------------	-------------------	------

10. Well Seal:

In Place:	Yes	Type:	Pressure expansion
Condition:	Good		

Weather Protection:**1. Tank House:**

Location:	West of house	Type:	Cement pad, wooden structure with tin roof
Condition:	Good		

2. External Piping:

Protection Used:	None	Condition:	Insulation incomplete at well head. Recommend insulating all exterior pipes to protect against freeze and UV damage.
-------------------------	------	-------------------	--

Electrical System:**1. Service Disconnect:**

Location:	Blue shed east of pump house	Type:	Double reset sub, Single reset booster
Amps:	30 sub, 20 booster	Condition:	Good

2. Wiring Service:

Conduit:	Underground	Type:	Poly flex, metal flex
Condition:	Good		

3. Capacitor Unit:

Location:	Well head	Type:	Franklin Electric
Volts:	230	Condition:	Good

4. Load Test:

Amp Check:	6.51 Sub, 11.20 Booster	Heat Factor:	None
Performance:	Good		

5. Main Panel:

Location:	Southside of property near backside of house	Type:	Unknown Double Reset Main on/ off
Amps:	-	Condition:	-

Summary:

Recommend installing a safety relief valve on the pressure system to prevent over pressurization of the system and possible catastrophic failure of the system.

Insulation incomplete at well head. Recommend insulating all exterior pipes to protect against freeze and UV damage.

The safety rope is running through the well seal (6 x 1-1/4) with a 1 inch pipe and the safety rope running through the gap. This opening in the well seal could lead to bacteria contamination of the well.

3/4 HP Zoller Booster pump installed after storage tank and plumbed into main line. SK-II pressure switch 20/40 installed onto booster and is starting to show signs of light burning at contact points. 8 GPM flow rate.

1/2 HP Submersible pump installed and plumbed into 1100-gallon storage tank. SK-II pressure switch 20/40 installed and is starting to show signs of light burning at contact points. 10 GPM flow rate into tank.

Unknown sediment filter installed in pressure system.

Paul Behr

Paul A. Behr
North State Water Testing/Pump