



**JCJ Water Well Service**  
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### **Water Well Inspection Report**

Name	Paul Taylor III
Well Site Address	139 Rivers Edge San Patricio, NM 88348
Billing Address	PO Box 344 Roswell, NM 88202
Phone Number(s)	(575) 420-5585
Email	paul@ranchline.com

#### **Well Information**

Total Depth	100 ft (According to well log H-04029)
Static Water Level	18 ft (According to well log H-04029)
Yield	100 GPM (According to well log H-04029)
Date Drilled	Nov. 9, 2007

#### **Casing Information**

Casing Type	Steel Surface Casing to 80 ft PVC Screen and Casing to 100 ft
Casing Size	Steel- 6 5/8" OD PVC- 4" ID
Cap/Seal	Cap
Condition	Fair- Only a conduit cap, not an adequate sealing cap
Height	15 Inches- Does not meet OSE required minimum of 18 inches.

#### **System Information**

Type of System	Constant Pressure
Control Type	Franklin Electric Subdrive 150 Date Code-July 2008
Pressure Tank Size	35 Gallon
P-Tank Precharge	43 PSI
P-Tank Cond	Good
System Pressure	62 PSI
Electrical Condition	Submersible cable from well head to control box- Not to code Wire tested bad on short to ground with megaohm meter from control box to pump, well head to pump and control box to well head. However, multimeter did not detect short. Wiring from well head to control box should be replaced and installed in conduit especially since rodent activity was seen. Other electrical tests performed were normal for age of system. System does show normal wear for age.

Plumbing Condition	There is not a tank tee or manifold installed on this system. This means that the system is not plumbed to industry standards. There is no boiler drain/hose bib near the system controls and pressure tank, nor is there a pressure relief valve installed on this system. It is advised that this system have a tank tee installed along with the above mention parts. The water conditioning system needs maintenance. The softener was in bypass mode and the filter appeared to be plugged.
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### Pump Information

Horse Power	3 HP 3 Phase 230 Volts				
Voltage	240~				
Motor Test Info	Y-B 2.4 Ω	Y-R 2.4 Ω	Y 4.2-10.5 Amps	B 4.2-10.5 Amps	R Amps
Motor/Wire Conductivity	Motor tested within operational range for voltage, amperage and resistance. Tested bad with megaohm meter. (See Electrical Condition)				
Flow Rate	Due to plumbing condition, this test could not accurately be completed.				

### Overall Condition/Notes

Please see notes in electrical and plumbing condition. System was operational on day of testing. I cannot estimate the life expectancy of this system due to age of system and plumbing conditions that hindered full testing of system. At a minimum, it is recommended to re-plumb well house with recommended parts and to replace electrical wiring from the well head to the control box. Casing should be extended to meet minimum height requirements and the well cap should be replaced.

System tested negative for bacteria.

The estimated cost of doing the minimum is going to be \$1,500-\$1,700.