

Apprentice Well Driller Licensing Study Topics

Definitions and terminology

- Confined & Unconfined Aquifers
- Geothermal well
- Static water level
- Pumping water level
- Most common types of pumps
- Check valve & other types of valves
- Cross Connection
- Perched Groundwater
- Vertical elevation

Conversions / Math

- Air measurements = Volume (cubic feet per minute) and Pressure (pounds per square inch)
- Pressure (psi) – ft of head to psi
- Volume of various sized pipes
- Yield
- Maximum yield

Maintenance

- Pump tests
- Electrical system equipment
- Safety
- Devices required for pumps

Water Treatment/Prevention Processes

- Location of well near contamination
- Disinfection
- Chlorination
- Free / Residual Chlorine
- Iron
- Hardness
- pH
- Reverse osmosis
- Stages of a well pump
- Causes of cloudiness

State Regulations

- Grouting
- Casing (types, depth)
- Screen
- Well Abandonment
- Hydrogeologic Areas 1-5
- Well Permits
- Emergency Permits
- Location of a potable water well
- Domestic water supply system production
- Chlorination
- “Miss Utility”
- Notifications to Approving Authority