

Journeyman Well Driller – Water Supply

Licensure Study Topics

Terms-to-know/Vocabulary

- Confined/unconfined aquifers
- Activated-carbon filters
- Domestic yield test
- Types of wells
- Pumping water level
- Yield
- Potable water
- Static water level
- Drawdown
- Recovery
- Maximum yield
- Hydrologic cycle
- Water mining
- Groundwater recharge
- Annular velocity
- pH
- Storage capacity
- Fishing
- Horizontal/vertical lengths of suction pipe
- Uses of Barite
- Types of valves
- Cross connection
- Artificial gravel-packing
- Formation permeability
- Pitless adapter
- Recovery test

Calculations/Conversions

- Maximum yield
- Air measurements (Volume & Pressure units)
- Parts per million to grains per gallon
- Pressure in a tank
- Volume of a well's annular space
- Psi to feet of lift water

State Regulations

- Procedures of properly developing a water well
- Transferring permits
- Hydrogeologic Areas 1-5
- Seal
- Abandonment
- Casing
- Grouting
- Emergency well permit
- Approval of domestic water supply system
- Disinfection/chlorination
- Location/consumption of potable water well
- Siting a well
- Well completion report
- Well permit
- “Miss Utility”
- Well log information

Safety

- Clothing
- Causes of electrocution
- Acetylene torches
- Ear protection standards by MOSHA

Electrical

- Submersible pump installation

Chemistry

- Causes of hardness in water
- pH
- Free chlorine residual
- Controls of groundwater quality
- Differences of Hypo, Super, Residual, and Breakpoint Chlorination