



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



WELL DRILLING (C-57)

Content of the Examination

The Well Drilling (C-57) Examination is divided into seven major sections:

1. Planning and Estimation (20%)

- Planning well drilling projects
- Estimating well drilling projects

2. Water Well Drilling and Well Development (25%)

- Water well drilling
- Water well development

3. Geotechnical Borings and Environmental Wells (10%)

- Geotechnical borings
- Environmental wells

4. Water Well Delivery Systems (11%)

- Pump systems
- Delivery systems

5. Water Delivery System Repair (7%)

- Pump system repair
- Delivery system repair

6. Water Well Rehabilitation and Destruction (5%)

- Water well rehabilitation
- Water well destruction

7. Safety (22%)

- Employee safety
- Job site and equipment safety

Percentages are approximate

Test Site Policy

This is a closed-book examination. No reference materials may be used during the examination. All materials brought to the examination site must be left in an unmonitored area at your own risk.

Test Strategy

This is a multiple-choice examination with four choices per question. Examination questions are written to provide only one BEST answer. Some questions require mathematical computation. A calculator will be provided.

There is no penalty for guessing. If you are unsure about a particular question, it is better to try to answer the question than to leave the question blank.

Plenty of time is provided to answer all examination questions, so be sure to read each question and its four choices completely and carefully before selecting the BEST possible answer to the question.

Sample Questions

Below are three typical examination questions. The correct answer is underlined.

1. In a new well with a borehole diameter of 12" and a well casing diameter of 5-1/2" at 500' deep, how many cubic feet would be in the annular space?
 - a. 23.76
 - b. 25.85
 - c. 89.34
 - d. 113.10

2. What method should be used to install electrical and telephone conduit in the same trench?
 - a. Electrical over telephone conduit with a concrete barrier and 4" between them
 - b. Electrical over telephone conduit with a separation of at least 12" in between
 - c. Telephone over electrical conduit secured together every 12"
 - d. Telephone over electrical conduit with a separation of at least 12" in between

3. When replacing pavement over a trench, what is meant by "overcutting"?
 - a. All wide spots and bell holes are cut square before paving.
 - b. Paving is reinstalled one inch thicker than what was removed.
 - c. The trench is base-paved and capped later.
 - d. The paving is cut outside the ditch line by a few inches.

All questions are written and reviewed by licensed contractors who are actively working in the trade

Resources

*Publisher information for reference books and code is provided below. Other sources for reference books may be found online. **California code books can be viewed online:***
www.bsc.ca.gov

California Well Standards, Bulletin 74-81: Water Well Standards and Bulletin 74-90: California Well Standards. California Department of Water Resources.

PHONE: (916) 653-1097

INTERNET: www.water.ca.gov/groundwater/wells/standards.cfm

Drilling: The Manual of Methods, Applications, and Management. Australian Drilling Industry Training Committee Limited. CRC Press.

ISBN: 1566702429

PHONE: (800) 272-7737

INTERNET: www.crcpress.com

Groundwater and Wells, Robert J. Sterrett. Johnson Screens.

PHONE: (800) 397-6110

INTERNET: www.johnsonscreens.com

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2015. California Code of Regulations, Title 8. Mancomm.

PHONE: (877) 626-2666

INTERNET: www.mancomm.com

Publisher information is current as of 1/17