

Study materials provided by the Department may not necessarily cover all matters tested. Candidates are required to seek additional study material on their own.

Other study resources are listed below:

UNL School of Natural Resources-Conservation and Survey Division

1. Practical Handbook of Ground-Water Monitoring-David Nielsen
2. Groundwater and Wells, Driscoll
3. Groundwater Atlas of Nebraska-CSD
4. Transfer of Technology
5. Baroid Brochure
6. NDEE Tech Guide manual for LUST
7. NDEE Title 118
8. Title 178, Chapter 12

BARAD-658-Cement Additive - [BARAD-658™ \(baroididp.com\)](http://baroididp.com)

BAROTHERM GOLD-2 part Thermally Conductive Grout - [BAROTHERM® GOLD \(baroididp.com\)](http://baroididp.com)

BORE-GROUT-Horizontal Grout - [BORE-GROUT™ \(baroididp.com\)](http://baroididp.com)

## Drilling Review Material

Know what a confined aquifer is

Know what can cause volatiles

Know when to consider drilling fluids acidic

Know what bentonite drilling fluid is used for

Know what type of water bentonite mixes better in

Know what can cause a cone of depression

Know how much of the US population relies on ground water

Know what a flowing artesian well is

Know what MCL means

Know what porosity means

Know what hard water is

Know what a coliform count is

Know what the maximum contaminant level for nitrate/nitrogen is (mg/l)

Know what permeability measures

Know what coliform bacteria is

Know what pH is and what it measures

Know what artesian pressure is

Know how jetted wells are constructed

Know why wells are purged

Know what viscosity means

Know what a filter cake is

Know what reverse rotary is

Know what top head drive rotary is

Know the procedure for decommissioning a well

Know what cable tool drilling is

Know what a water table is

Know who to report the decommissioning of a well to

Know the purpose of a well seal

Know when to measure the water level in a well exhibiting head pressure

Know what galvanic corrosion is

Know what a Material Safety Data Sheet (MSDS) is

Know the purpose of a reamer

Know what specific capacity of a well means

Know the purpose of a monitoring well

Know why ground water pollution has become a problem

Know how drilling mud should be prepared

Know the purpose of driller collars

Know what cross contamination is

Know when to calibrate field instruments

Know what aliquot means

Know what an aquifer is

Know the purpose of chain-of-custody