

# How to Calculate the Volume of a Well

## Activity At A Glance

Participants will learn how to calculate the volume of a well.

## Learning Objectives

Upon completion of this session, participants will be able to calculate the volume of a well.

## Suggested Materials

### Handouts

- Example problem
- Formula sheet

### Other

- Blackboard or flipchart to work example problem on.

## Vocabulary

Abandoned well  
Casing  
Mud  
Well

## Presentation:

### 1. Introduction

In this portion we will learn how to calculate the total volume of a well.

### 2. Discuss

- a. **According to the video what dimensions are needed in order to accurately calculate the volume of a well?**

*Record the participants responses on the flip board or chalk board.*

- b. **Do you agree with this? Why? Why not?**

*Have the students voice their opinions, in addition have them give supporting arguments for their views.*

- b. **What is the purpose of disinfecting the well before plugging?**

*Allow them to brainstorm aloud*

### 3. Summarize the Major Points

- Length and diameter are needed for calculating volume of a well
- Calculating the proper volume of the well is a very important step. A wrong calculation could lead to a larger problem in the future.