

Well Plugging Steps

Activity At A Glance

Participants will discuss and learn the six main steps involved in plugging a well.

Learning Objectives

Upon completion of this session, participants will be able to:

- Describe the six steps that should be taken when plugging a well.
- Understand the importance of each step for protecting groundwater resources

Suggested Materials

Handouts

- Needed formulas for calculating well volume
- Plugging Materials Calculation Guild
- Disinfection Calculation Table
- Figures of well types I-VIII
- Example problem

Other

- Chalkboard or flipchart to show example of calculations.

Vocabulary

Annular space
Capped well
Casing
Groundwater conservation district
TDLR
TNRCC
Well
State well report (Well Log)

Presentation:

1. Introduction

We will now go through the key six steps used to plug a well.

2. Discuss

a. **What are the six main steps used to plug a well?**

- *Allow them to brainstorm aloud. Record responses so that everyone can see them. Before moving on make sure that they have described: Determining the size of the well, removing debris from well, disinfecting the well, removing as much casing as possible, filling the well with plugging materials and completing and filing the state plugging form.*

b. **Why is the shape of the well important?**

- *Explain how the shape of the well changes the way the volume is calculated.*

Summarize the Major Points

- The shape of the well makes a difference
- The six steps
- Needed formulas