**Bulk Density of Cuttings (Using Mud Balance)**

**Procedure**

1. Cuttings must be washed free of mud. In an oil mud, diesel oil can be

used instead of water.

2. Set mud balance at 8.33 ppg.

3. Fill the mud balance with cuttings until a balance is obtained with the

lid in place.

4. Remove lid, fill cup with water (cuttings included), replace lid, and

dry outside of mud balance.

5. Move counterweight to obtain new balance.

The specific gravity of the cuttings is calculated as follows ;

Where ;

SG = specific gravity of cuttings — bulk density  
Rw = resulting weight with cuttings plus water (ppg)

Sample Case : Rw = 13.8 ppg. Determine the bulk density of cutttigs :