

Come join the Desert Area Branch for lunch and a presentation

Water Well Design and Construction

Wednesday November 6, 2013 11:00 am to 1:30 pm

LADWP Office, 300 Mandich Street, Bishop

Lunch will be provided – Please RSVP

There has never been a more critical time to design, operate, and maintain ground water production wells in the most cost efficient manner possible. The primary goal of most well designers is to construct a well that produces the maximum amount of water with as little sand as possible. For gravel envelope wells, the desire to limit sand production can often lead to selection of finer gravel packs and screen slot sizes than are truly necessary. When this occurs, the success of sand control is often at the expense of well efficiency. This presentation will highlight the critical components of the well design process; formation sampling, gravel pack selection, slot size selection, and well development and how these processes can maximize the well's production potential with minimal losses. In minimizing well losses, the well owner can operate the well with greater cost efficiency.

Well Design and Construction Overview

The presentation will consist of a general overview of the considerations and steps involved in the design and construction of a ground water production well. The following topics will be addressed during the presentation:

- a. Well design criteria
- b. Casing and screen selection
- c. Sieve analysis, gravel pack and slot size selection
- d. Gravel pack selection
- e. Well development

Speaker - Kevin McGillicuddy. P.G.

Kevin McGillicuddy is the Chief Hydrogeologist of Roscoe Moss Company and a Professional Geologist. Specializing in ground water development, he has designed several hundred high-capacity water supply wells, conducted numerous well siting studies, and managed large and small-scale well rehabilitation projects. In his capacity as Chief Hydrogeologist for Roscoe Moss Company, he assists consultants, municipalities, and water districts to plan and design water supply wells.

Contact Charlotte Rodrigues at (760) 873-0223 to RSVP or for more information.