



Water Well Hard Rock Drilling Specialist

May 30, 2017

To: David Brummond
Environmental Health Santa Barbara County

Site Address:

Romaldo Water Co.
5639 Camino Cielo
Santa Barbara, CA

Alternate Seal Request Plan

Due to unfortunate circumstances, the 10" diameter x 60' steel production casing will have to remain in place. Typically this is only used as a temporary casing and pulled after the 3" x 50' Annular Seal is completed. We experienced a major loss of air circulation while drilling. So we pumped 10-sack slurry cement from below the 10" casing to a drill depth of 320' and forced cement in the earth voids. The cement must have come up on the outside of our 10" production casing, locking it in place. We regret that we are unable to remove the 10" production casing from our 12" annular bore area.

Our plan is to use 10-sack slurry and pressure grout the inner 1.8" annular area between the 6" liner and the 10" steel casing. We then will pressure grout the outside of the 10" casing to the natural earth walls of 12.5" ID. After completing the two annular areas, we will then pour the 10' x 10' x 6" slab monolithically.

On page two I have provided a drawing plan for your approval to correct any possible water contamination from entering the well from the surface.

We appreciate your urgent attention to this matter as we have men and equipment on the site and would like to set up a final seal.

Sincerely

Ken Patrick, President
DCA Drilling and Construction Inc.
Cell: 805.427.0593
Office: 805.491.2926
Email: dcadrilling@gmail.com