



Geothermal Exploratory Well Drilled to 6000 Feet.

**PROJECT PROFILE
DRILLING**

VALUE OF WORKED PERFORMED
\$5,165,975

DIVISION NAME
Water Resources
waterresourcesinfo@layne.com

PROJECT REFERENCE
Kim Griffin
Senior Project Manager
HDR Constructors, Inc.
720-985-7532

ARMY CORPS OF ENGINEERS

Fort Bliss Hospital
El Paso, TX

SITUATION:

Layne Christensen Company was hired by HDR Constructors, Inc. to drill a geothermal exploratory well to investigate the feasibility of heating the new hospital complex using an environmentally friendly alternative energy source.

SOLUTION:

The geology on site varied drastically from that anticipated by the geothermal geology consultants. Layne drilled using a blowoff preventer to control potential gas encounters and successfully kept over 3,700 feet of 12-1/2" mudded borehole open and conditioned through swelling clays and installed casing successfully on the first attempt.

Layne successfully completed this project while working in compliance with the requirements of U.S. Army Corps of Engineers Safety and Health Requirements Manual EM-385-1-1.

WELL DATA:

Total Depth Drilled: 6,000'

Installed Casings:

13.365" K55 to 1,195' bls

9.625" K55 to 4,950' bls

SERVICES EMPLOYED:

+ Injection Well Construction

