

# CETCO gas vapor barrier chosen by top home builder for site with former oil wells

The Palisades at Vista del Verde is a multi-family housing development that is situated on a site that once was home to numerous oil wells. The oil wells have since been removed and capped, however detectable levels of methane gas are present in the soil.



### PROJECT DETAILS

Palisades at Vista del Verde

Engineer: GeoKinetics, Inc.

General Contractor: Taylor Morrison

Certified Installer: Advanced Construction Technologies

### LOCATION

Yorba Linda, CA

### PRODUCTS USED

LIQUID BOOT® 500  
Gas Vapor Mitigation System

GEOVENT™ Gas Venting System

A CETCO-pioneered smoke test (image on left) was performed on the LIQUID BOOT® gas vapor barrier after it was installed to ensure a quality and gas tight installation. Certified LIQUID BOOT® inspector, GeoKinetics, Inc., conducted a thorough inspection of the membrane with the approved LIQUID BOOT® installer, Advanced Construction Technologies, on site to instantly detail any areas required noted by the inspector.

### CHALLENGE:

A gas vapor barrier was needed to on site to protect the structures from methane gas by providing a seamless barrier around critical vapor intrusion pathways and eliminate potential risk.

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### **SOLUTION:**

CETCO, the engineer and the approved LIQUID BOOT® installer, worked directly with the general contractor to ensure that correct design and installation would allow the project to come in under budget and within the construction schedule. CETCO solutions were chosen based on reputation, design assistance and capability of accommodating a tough construction schedule. CETCO was instrumental in helping the engineer complete the proper ventilation and membrane design. The gas vapor mitigation consisted of installation of GEOVENT™ sub-slab ventilation and 117,000 square feet of the LIQUID BOOT® gas vapor mitigation system.

### **RESULT:**

Installation of the LIQUID BOOT® 500 gas vapor mitigation system was extremely successful and was able to be installed much quicker than any of the competing products due to its benefit of a spray-application and rapid curing time. CETCO products installed by CETCO trained and certified installers provided the buildings with proven protection against vapor intrusion while also saving the customer time and money.

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