

GROUNDGUARD creates a seamless bond on well cellar containment

GROUNDGUARD pre-sprayed liner provides a seamless bond to eliminate environmental contaminates

Pennsylvania, USA

The challenge

A containment was needed to prevent contaminates such as drilling mud, frac fluid and any other hazardous liquids from penetrating the surrounding area—all while supporting the weight and movement of the rig, as well as preventing other heavy equipment from puncturing holes in the apron. This apron needed to remain on the containment's surface and inside the well cellars for the life of the well, from construction to production. The liner chosen would have to be adhered to HDPE 40 mil plastic, requiring proper surface preparation to ensure a solid bond.

The solution

The GROUNDGUARD Slip-Resistant pre-fabricated liner with 16 oz geotextile backing was preferred, as it rolled out evenly over the well cellars. The installation team was able to cut out the cellar holes to tie the liner in and spray the inside of the cellars with ASSETGUARD proprietary polyurea. This created a seamless containment within the cellars that extended onto the surface.

The results

The containment successfully created a seamless barrier eliminating the risk of contamination. The project was completed on time due to field service efficiency and the immediate return-to-service characteristics of polyurea.

A quote from the client

"This apron shows no signs of wear around the outside perimeter and inside the cellar. We are very much pleased, and we believe that this was the solution we had been looking for."

Project Details

Client: Oil & Gas

Location: Pennsylvania, USA

Application: Well cellar containment

Product: GROUNDGUARD SR



GROUNDGUARD Slip Resistant 16 oz non-woven geotextile backing bonded to 40 mil HDPE



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