

CASE STUDY- 2021- GULF OF MEXICO

13 3/8” Stronghold® Barricade® Successful Gulf of Mexico Deepwater Operation

Challenge

A major deepwater operator in the Gulf of Mexico needed to set a 330 ft cross sectional cement barrier in 13 3/8” x 20” casing. This well in over 6,000 ft+ MD water depth required a cement barrier placed just above the 20” casing shoe in order to meet the qualifications to plug and abandon the well.

“Following the successful Stronghold® operation, we would like to award the next P&A work to Archer”



Solution

The Archer 13 3/8” Stronghold® Barricade® system was the best solution to circulate/place cement in a controlled and focused area. The 330 ft long section was planned to be washed and cemented in one run and verified by pressure testing and tagging top of cement.



13 3/8” Casing

Result

The 13 3/8” Stronghold® Barricade® was successfully deployed for washing and cementing of the 330 ft long interval with even rates at 1200 lpm. The tests run after performing the operation firmly tagged top of cement 6 ft above planned height, and a successful positive/negative test allowed the operator to move on with the completion of the plug and abandonment.



330 ft cross sectional cement barrier