Case Study

A abrasive Perforating

Perforating through 4 Strings of Casing
Case Study No. 3206

DETAILS:
Location: St. Mary, LA

Casing Size: 5-1/2” | 7-5/8” | 9-5/8” | 13-5/8”

Conveyance: 1-1/2” Coiled Tubing

Operation Depth: 14,214’ (4,332 m)

Well Orientation: Vertical

Fluid: Water/Sand Slurry

Tools Used: 2.13” Nitro Tuff Abrasive Perforator

RESULTS:
On an inland water barge in Louisiana, a customer was attempting to pass through 2-7/8” tubing (2.323” ID) and perforate four strings of casing at a depth of 14,214’. After several unsuccessful attempts with strip guns, it was decided that Thru Tubing Solutions would deploy a Nitro Tuff Perforator to access the target formation. TTS designed a custom tubing end locator to correlate depth below the tubing and ensure precise placement of the perforations. The Nitro Tuff Perforator successfully penetrated all four strings of casing (5-1/2”, 7-5/8”, 9-5/8” and 13-5/8”) allowing the operator to produce a gas zone that they otherwise would not have been able to access.