

Case Study

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.

HIGHLIGHTS



- Alternative to TCP Guns
- Perforated thru 4 Casing Strings
- Customized Solution



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