# Case Study
# Abrasive Perforating

## Abrasive Perforating System Equalizes Annular Pressure

Case Study No. 3203

### DETAILS:

| | |
|---|---|
| **Location:** | **Offshore, Australia** |
| **Conveyance:** | **1 3/4” Coiled Tubing** |
| **Operation Depth:** | **Multiple Holes from 1300M to 2700M** |
| **Fluid:** | **9.6 ppg Mud with 100 Mesh Sand at 1 ppg concentration** |
| **Tools Used:** | **2.13” Motor Head Assembly**<br>**2.63” Abrasive Perforator**<br>**2.13” High Velocity Wash Nozzle** |

### RESULTS:

A customer in Offshore Australia had 5-7/8” 26.3# drill pipe stuck in the wellbore. Gas trapped in the annulus needed to be relieved before the drill pipe could be safely cut and removed from the wellbore. The customer needed to perforate the drill pipe at 2700m, to perform a cement squeeze and at 1300m below BOPs to relieve the trapped pressure. Utilizing Thru Tubing Solutions’ **Abrasive Perforating System,** the drill pipe was perforated with as little as 20 bbl of sand slurry pumped. Trapped gas in the annulus was circulated out of the hole to allow for a safer environment to cut and remove the drill pipe. (See Part 2 of this case study, No. 3802).

### HIGHLIGHTS

- Alternative to TCP Guns
- Pressure was Equalized
- Multiple Zone Perforations in One Trip