

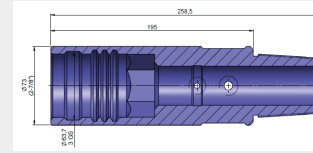
EVALUATIVE CASE STUDY

Debris on Fishing Profile

SCENARIO:

Hardware with a GS internal fishing profile needs to be removed from the well.

Expected fish



A GS spear is run, but unfortunately, engaging the fish is impossible.

Multiple failed runs



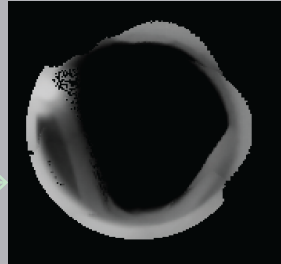
A lead impression block is run; results are ambiguous.

LIB



VR90 X-ray imaging run on wireline.

2D



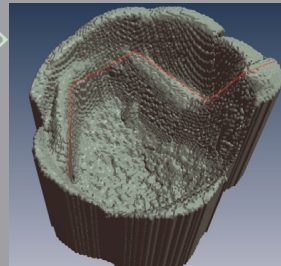
VR90 real-time 2D images show that there is a 6mm tube-like object bent inside the fishing profile.

Actual



Transportable 3D PDF is made whilst the tool is pulled out of the well. Requiring only a standard PDF reader, the document allows fully manipulatable 3d renderings to be quickly and easily sent to the right people.

3D



The 3D rendering shows that there is a 6 mm tube bent in four places sitting inside the GS profile and bent across the top edge of the fish. This is preventing the spear from engaging as well as stopping an overshot from swallowing the fish.

Actual



The size, shape and position of the debris sitting in and on the fish is now known.