



Case Study

GLV Retrieved After 20 Years Downhole with ISI's Ultra Heavy Duty (UHD) Fishing Package

Challenge

- A major operator working offshore was trying to retrieve a Gas Lift Valve (GLV) that had been stuck downhole for 20 years.
- Previous attempts to retrieve the fish with conventional slickline jars and pulling tools designed for both conventional and heavy jarring applications had been unsuccessful.

Solution

- The decision was made to mobilize Impact Selector's UHD Fishing Tool Package to latch and attempt to pull the valve out of hole using continuous heavy upward jarring.
- The UHD XCS Slickline Jar was packaged with the UHD Intensifier to deliver Ultra-high output jarring forces – the key to dislodging obstacles stuck in the wellbore.
- After Jar setting analysis/planning with SmartPlanner, the UHD XCS Slickline Jar was field adjusted on the surface for a predetermined release tension of 1400lbs, offering the operator their desired impact force at the downhole stuck GLV. The tension setting and load was calibrated with a box spanner supplied with the UHD Package.

Results

After several jarring cycles with ISI's UHD Fishing Package, the GLV was retrieved:

- Cycle 1: Jarring activating at 1400lbs surface tension for 17 activations. Rest wire for 4 hours.
- Cycle 2: Jarring continued at 1400lbs at surface tension for 30 activations. Tool string comes free and is retrieved to surface.

Value to Customer

- The well, which had been "shut in" for 20 years was successfully brought back online and was handed over to production to flow open pocket and monitor performance. This was after years of unsuccessful attempts with other Jars.

Datasheets

- ↓ Intensifier – UHD
- ↓ XCS UHD Jar

- ↓ Low Friction Tubular Jar - UHD
- ↓ SmartPlanner Wireline Simulation