

# AlphaV™ Single-Trip Casing-Exit System and AccuView® Real-Time, Remote Support Enables Equinor to Exit 13-3/8 in. Casing in Adverse Wellbore Conditions with Enhanced Efficiency and Reliability

## Objectives

- Exit 13-3/8 in. casing in a deviated well in a single trip following previous plug and abandonment operations.
- Eliminate the need of a dedicated wellbore-preparation run.
- Increase tripping speed while running in hole.
- Provide a permanent installation with a secondary abandonment barrier.

## Our Approach

- Weatherford recommended Equinor run the AlphaV system with an integral scraper assembly to ensure a clean setting area prior to setting the whipstock and avoid additional cleanup trips prior to installing the whipstock.
- To deliver the high-torque and load-bearing capabilities needed to perform the cleanup operation in the same run and increase tripping speeds, the exclusive AlphaV system was selected.
- The AlphaV system enhances safety in tripping operations when abrupt workstring movement can cause premature shear release of the whipstock assembly.
- AccuView was used to plan and manage the casing-exit operations. In addition, the AccuView software provided real-time collaboration and support between Weatherford re-entry experts and the wellsite.

## Value to Customer

- The integral full-coverage scraper in the AlphaV system enabled Equinor to clean and scrape the setting area in the same trip prior to setting the whipstock.
- The retractable pin within the patented Hydraulic Mill Release (HMR) system, combined with its rigid, millable collar, allowed Equinor to increase trip speed without fear of accidental shear-off.
- Equinor was able to exit the 13-3/8 in. casing in a single trip with minimal gauge loss to the mills.
- The drilling bottomhole assembly (BHA) passed the window without any restriction, ensuring the quality and reliability of the sidetrack.
- The AccuView software contributed significantly to the efficiency of the casing-exit operation by allowing remote data-monitoring, enabling subject-matter experts to make critical, real-time decisions.
- Due to unplanned changes in the mud parameters, the secondary mechanical release of the AlphaV system was utilized to avoid an additional trip.



The AlphaV system features its patented Hydraulic Mill Release (HMR) that provides an alternative method over conventional shear bolts for releasing the milling BHA while delivering high-torque and load-bearing capabilities. Together, this increases tripping rates while removing risk of accidental shear-off.

**OPERATOR**  
Equinor

**RIG**  
Statfjord A

**LOCATION**  
North Sea, Norway

**WELL TYPE**  
Offshore, deviated

**FORMATION**  
Rogaland

**HOLE SIZE**  
12-1/4 in. (31.12 cm)

**HOLE ANGLE**  
50°

**CASING SIZE/TYPE**  
13-3/8 in. (33.97 cm)/72# N80

**CASING-EXIT DEPTH**  
6,968 ft (2,123 m)

### PRODUCTS/SERVICES

- Re-Entry Services
- AlphaV single-trip, casing-exit system
- AccuView, real-time remote support

