



# Weatherford®

## REAL RESULTS

### Successful 7-in. StarBurst™ Multilateral Deployment for Twin-Bore Well Construction

#### Objectives

- Drill a twin-bore well from existing 9 5/8-in. casing to access Gyda B and C reservoirs.
- Deploy a 7-in. *StarBurst* system for commingled production from both legs.
- Engineer a *StarBurst* system suitable for this high-temperature, high-pressure environment.
- Engineer a high-temperature perforation charge.
- Produce from two separate reservoir intervals to increase reservoir exposure.

#### Results

- *StarBurst* system engineered in short time frame and delivered on time
- *StarBurst* multilateral system deployed successfully, and lateral drilled to total depth
- *StarBurst* whipstock perforated successfully after initial problems with firing system caused by high downhole temperature
- Commingled flow established from both legs

#### Value to Client

- The initial plan was to drill only the AY2 leg, but the *StarBurst* multilateral system made it possible to drill the AY1 leg as well. Most production was expected from AY2, but AY1 turned out to be the main producer.
- Initial production increased by 400 percent, to 3,200 BOPD.
- Multilateral twin-bore well increased reservoir exposure without sacrificing available slot space.



#### Client

Talisman Energy Norge AS

#### Location

Gyda field, North Sea, Norwegian sector

#### Well

2/1-A-16, AY1 and AY2

#### Formations

Gyda B and C sands (late Jurassic sandstone)

#### Depth

15,682 ft (4,780 m)

#### Well Type

Multilateral Level 3

#### Hole Size

7-in. main-bore casing with 6-in. lateral

#### Products/Services

*StarBurst* multilateral system