

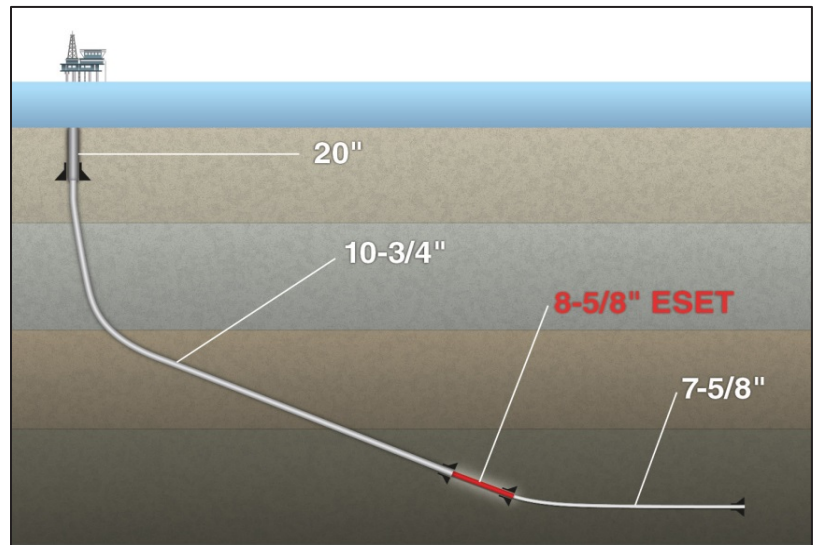


Case Study

ESET™ High Performance (HP) System Enables Maximum Size Completion

Challenge

A major operator in the Norwegian North Sea anticipated problems while drilling a 12-¼ x 13-½ in. hole section which required setting 10-¾ in. casing early. This left a section of overburden exposed above the reservoir. Conventional practice would utilize a 7-5/8 in. liner to isolate the overburden and 5-½ in. pipe across the reservoir, greatly reducing production capability and return on investment (ROI).



- ▶ **When:**
July, 2015
- ▶ **Location:**
Norwegian North Sea
- ▶ **Well Type:**
Development (Platform)
- ▶ **Base Casing:**
10-3/4 in. 55.5 lb/ft
- ▶ **System:**
8-5/8 in. ESET HP
- ▶ **Depth:**
17,750 ft
- ▶ **System length:**
1,881 ft
- ▶ **Wellbore Inclination:**
69 deg

Added Value

The 8-5/8 in. ESET HP System isolated the overburden section, providing an 8-1/2 in. drift ID. This enabled the reservoir to be drilled and completed with a 7-5/8 in. liner, maximizing production capability.

The 8-5/8 in. ESET HP System provided:

- Rotational capability that enabled the system to reach the planned setting depth and improved cementation of the liner.
- Solid Blade centralization that reduced drag while running the liner and optimized cementation.
- Bottom up expansion ensured the entire overburden was isolated.
- Increased yield and collapse values (compared to standard SET systems).

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