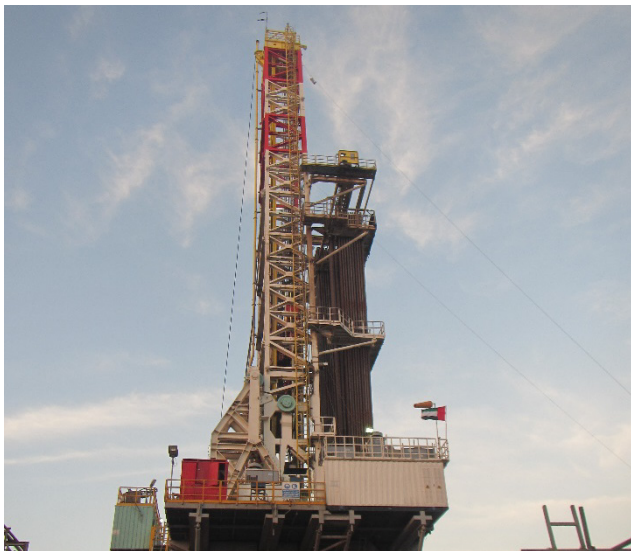


## Weatherford Liner Systems Helps UAE Operator Set New Record for Running The World's Longest Single-Trip Liner String



Weatherford crews deployed to this rig to help the operator run a record 21,971 ft (6,697 m) of liner in an offshore extended-reach well.

### Objectives

- Run a liner string to total depth (TD) in a single trip without incurring nonproductive time (NPT). The operator wanted to head off any difficulties through the high-angle extended-reach interval.

### Our Approach

- Following a thorough pre-job analysis, Weatherford specialists recommended the FREGS free rotating eccentric guide shoe for running the liner to TD. The guide shoe is designed to overcome wellbore obstructions—including openhole bridges, sloughing, ledges, and ridges—by directing the liner string to the path of least resistance.
- After making up the guide shoe, liner, and swellable packers, the drilling crew ran in the hole with 21,971 ft (6,697 m) of liner on drillpipe, reaching TD in 65.5 hours.
- Once on bottom, the Weatherford crew pumped the setting ball downhole. After the ball was seated, they pressured up to release the setting tool and shear the ball seat, and the drilling crew pulled the drillpipe out of the hole.

### Value to Customer

- The Weatherford team enabled the operator to meet all objectives by running the liner to TD with no NPT or safety issues.
- By running 21,971 ft of liner in one trip, the operator set a record for the longest liner string.\*

\* This liner string is considered the longest liner in the world to be run in one trip, according to Weatherford and UAE published records as of March, 2019.

#### LOCATION

Abu Dhabi, United Arab Emirates

#### WELL TYPE

Offshore extended-reach oil producer

#### TOTAL MEASURED DEPTH

32,851 ft (10,013 m)

#### CASING SIZE

9-5/8 in.

#### HOLE SIZE AND ANGLE

8 1/2 in., 90°

#### LINER SIZE AND TYPE

6 5/8- x 7-in. limited entry liner (LEL)

#### LINER LENGTH

21,971 ft (6,697 m)

#### PRODUCTS/SERVICES

- Upper polished bore receptacle
- Setting sleeve
- Lower polished bore receptacle
- FREGS free rotating eccentric guide shoe
- Running Tools
  - WRTE Running Tool Extension
  - HNG hydraulic releasing tool
  - RSM retrievable seal mandrel
- Stingers
- Bypass ball
- Pickup sub

