



Weatherford®

REAL RESULTS

Weatherford's Liner Systems Service Improves Drilling Efficiency, Eliminates Losses in Problematic Onshore Russian Well

Objectives

- Improve drilling efficiency, minimize losses, and place production liner across production zone in a Russian producer well with a history of drilling problems resulting in nonproductive time.

Results

- A Weatherford premium hydraulic-set, rotating (WPHR) liner hanger and WTSP liner-top packer were run into the hole and drilled to 13,077 ft (3,986 m) total depth (TD) in 125 hr. The well was drilled deeper than other wells in the field.
- A total of 410 ft (125 m) of virgin hole was drilled with the combination of liner equipment and conventional rock bit.
- After the liner was run and set, the packer was set, providing a pressure-tight liner string that was tested to 2,900 psi (200 bar).

Value to Client

- Using Weatherford's liner-system service enabled the client to improve drilling efficiency, increase the ROP, and drill deeper than expectations, resulting in higher production rates and a savings of 255 hr rig time from previous jobs.

Weatherford's R running tool and WPHR liner hanger enabled the client to drill deeper than expected, improve drilling efficiency and ROP in a Russian well with a history of drilling problems.



"R" Tool

WTSP4R

Client
Major Russian operator

Location
Tomsk, Russia

Well Type
Producer

Rig Type
Land rig, rotary Kelly drive

Hole Size
6 in.

Casing and Liner Size
Casing: 7-in., N-80, 29 lb
Liner: 5-in., N-80, 15 lb

Setting Depth
5-in. liner shoe: 13,077 ft (3,986 m)
7-in. shoe: 12,707 ft (3,873 m)

Total Length Drilled
410 ft (125 m)

Products/Services
Weatherford liner systems



WPHR