



Weatherford®

REAL RESULTS

MetalSkin® System Isolates High-Pressure Shale Zone, Maximizes Hole Size for Increased Production

Objectives

- Isolate an over-pressured shale zone directly under the 7-in. casing shoe and above the reservoir and drill the largest-possible directional hole.

Results

- A 5 1/2-in. *MetalSkin* openhole liner was installed to extend the 7-in. casing through the shale zone, enabling the operator to isolate the shale zone without downsizing the well and providing a 5 1/4-in. pass-through diameter into the reservoir. This larger hole diameter enabled the operator to use a high-performance bottomhole assembly (BHA) to directionally drill into the required drain.

Value to Client

- Weatherford's *MetalSkin* openhole liner enabled the operator to drill with a larger, high-performance BHA, which provided a 5-in. openhole size rather than the typical 3 1/2-in. size. This larger drill-bit size accelerated drilling time, reduced rig time and operating costs, and, upon completion, increased the production rate to 1,056 BOPD.
- Weatherford's *MetalSkin* openhole liner system's metal-to-metal premium expandable connectors and the 50-ksi (345-MPa) seamless expandable tubular, provided the operator with superior reliability, fast implementation, and enhanced safety conditions for subsequent well operations.



Weatherford's *MetalSkin* openhole liner system facilitated an innovative, integrated workover, maximizing production from this Algerian well.

Location

Onshore Algeria

Field

Hassi Messaoud

Well Type

Workover oil producer

Casing Size and Type

7-in., 32-lb/ft J-55

Products/Services

- Well construction services
- *MetalSkin* 5 1/2-in. × 7-in. openhole liner system

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