



Weatherford®

REAL RESULTS

Casing Jacks, Custom-Built Work Beams Repair Damaged Casing Below Wellhead, Eliminate Need for Drilling Rig in Louisiana

Objectives

- Rig down the wellhead in a newly completed 16,000 ft (4,877 m) well, where a failed wing valve bent and damaged a 10 3/4-in. casing.
- Gain access to the bent 10 3/4-in. casing, so that the damaged area could be replaced safely and cost-effectively.
- Return the well to production.

Results

- Weatherford personnel custom-designed a set of heavy-duty work beams to match the 12° angle of the bent casing, enabling the operator to safely extract the 5 1/2-in. and 7 5/8-in. casing in the well, above the 10 3/4-in. casing.
- The custom-built beams were placed under the casing jack, matching the angle of the bent casing, which enabled free travel of the hangers from the wellhead.
- The casing jacks and angle beams were rigged down to cut off the 10 3/4-in. casing head below the kink, and a new head was installed.
- The custom work beams were removed from the casing rig, and the 7 5/8-in. casing was rehung at the correct tension in a new casing hanger.
- After installing the next section of the wellhead, the 5 1/2-in. casing was rehung at the correct tension, and production at the well was restored.

Value to Client

- Weatherford's custom-built, heavy-duty work beams and casing provided the operator with the ability to repair the 10 3/4-in. bent casing below the wellhead, avoiding the need to bring in a drilling rig, saving significant operational and logistical costs.
- Potential safety risks and environmental impacts associated with the damaged well were mitigated.



Weatherford's casing jacks and custom-built work beams are aligned with a bent casing to repair damage and bring a newly completed well back into production in Louisiana, USA.

Location

Louisiana, USA

Well Type

Onshore gas

Well Depth

16,000 ft (4,877 m)

Casing Size

5 1/2-in., 7 5/8-in., 10 3/4-in.

Products/Services

- Decommissioning services
- Casing jack (385 ton)
- Custom-built heavy-duty work beams
- Casing spear

Weatherford
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