



Weatherford®

REAL RESULTS

DDV® Tool Solves Lost-Circulation Problem, Reduces Drilling Costs by Cutting Nonproductive Tripping and Well Control Expenses

Objectives

- Correct a severe lost-circulation-while-drilling problem, resulting in well control issues and difficulties installing liners and running tools. These problems had contributed to a significant increase in nonproductive time (NPT) and costs.

Results

- Weatherford installed a 7-in., 32-lb/ft *DDV* downhole deployment valve in the 7-in. intermediate casing.
- The *DDV* tool allowed the operator to safely trip bottomhole assemblies without killing the well.
- Pressure was isolated below the *DDV* tool while tripping, permitting the operator to safely install a liner and running tools.
- Losses to the invert mud system were significantly reduced.

Value to Client

- Safety was enhanced while deploying the drilling bottomhole assembly (BHA) and the liner BHA.
- Costs were reduced by lowering NPT associated with tripping and well control, and by reducing mud costs.



The *DDV* downhole deployment valve decreases well costs by reducing tripping time, increases well productivity by minimizing formation damage, and improves environmental and personal safety by eliminating the need for snubbing.

Location

Northern U.S. Rockies

Type of Well

Onshore, conventionally drilled oil

Products/Services

- Controlled Pressure Drilling® services
- *DDV* downhole deployment valve
- Williams® Model 7100 rotating control device