

FlexShoe in Horizontal Boron Well



Client challenge:

Perforated composite casing is needed for acid resistance for solution extraction of boron. Running this casing is a challenge due to:

- Passing through sidetracks
- Drag running horizontally
- Being light weight
- Circulation not possible
- Rotation not possible

Results:

A 4-1/2" FlexShoe with a JetReam nose was run through cased and open-hole sidetracks in a multilateral horizontal well. With near zero surface tension or hookload available to set down, the FlexShoe pushed past doglegs to set the perforated composite casing within a lateral for production.

