CoilGlide℠ Service
Enables more economic Coiled tubing applications in extended-reach wells

Achieving the benefits of Coiled tubing operations in the extremities of today's extended-reach wells can be difficult and expensive. Overcoming the frictional forces (drag and torque) often requires the use of tractors. In addition, the frictional forces can greatly reduce the amount of set-down and pick-up force that can be applied via the Coiled tubing. Also, the additional drag and torque can shorten the life of the Coiled tubing string, affecting both cost and reliability. The CoilGlide℠ service addresses all of these challenges and makes Coiled tubing operations in extended-reach wells more viable, efficient, and economical (Figure 1).

- Enables Coiled tubing operations in extended-reach, deviated, and horizontal wells without a tractor
- Enables higher set-down and pick-up force at the bottom hole assembly
- Compatible with fresh water and NaCl (sodium-chloride) or KCl (potassium-chloride) brines
- Highly water-soluble, nonpolymeric gelled fluid that can be easily removed if necessary
- Enhances the capabilities of Halliburton's DeepReach™ tapered Coiled tubing
- Formulations can be tailored for both carbonate and sandstone formations
- Can be used to help improve the lubricity of completion and workover fluids
- Applicable up to 300°F (149°C)
- Effective in cased-hole and openhole wells

Applying the CoilGlide™ Fluid
The CoilGlide™ fluid can be batch mixed or mixed on-the-fly, depending on the equipment used. The addition of nitrogen for use in low bottomhole-pressure wells does not affect the friction-reduction properties of the CoilGlide fluid system.

Figure 1: The CoilGlide℠ service uses a gelled fluid designed specifically to help reduce drag friction in water-based fluids. The service helps make Coiled tubing applications in extended-reach wells more economical by eliminating the need for a tractor.

Case Histories

Case History #1
Several trips and slack-offs at 8,883 ft (2,708 m) and 9,500 ft (2,896 m). Tried agitator and slacked off at 9,500 ft (2,896 m). Pumped 20 bbl (3.18 m³) of CoilGlide fluid above the lateral section and went to total depth (TD) of 11,300 ft (3,444 m).

Case History #2
CoilGlide fluid and nitrogen pumped continuously during entry into the horizontal section. A total of 8,960 ft (2,731 m) of horizontal section traversed. The installed tractor was not required to reach TD.

Case History #3
As a preventative, CoilGlide fluid pills have been used while running in hole to help reach TD on the longest horizontal sections to date, close to 10,000 ft.

Case History #4
Coiled tubing locked up at 9,775 ft (2,979 m), almost 200 ft (61 m) short of required depth. Applying CoilGlide fluid enabled reaching the required depth and successfully performing the planned operations (Figure 2).
Figure 2: The CoilGlide™ service helped a Rocky Mountain operator successfully complete a Coiled tubing operation by enabling the Coiled tubing to reach the required depth without the use of a tractor.