

EZ GLIDE™ Lubricant Prevents High Torque in Oil Sands, Saving Rig Time

LUBRICANT ENABLES OPERATOR TO RECOVER SIGNIFICANT RESERVOIR DRILLING FLUID FOR REUSE

ORINOCO BELT, VENEZUELA

CHALLENGES

- » Enable operator to avoid excessive torque and stuck-pipe issues while drilling in oil sands
- » Provide lubricant that would improve lubricity without harming reservoir drilling fluid's properties

SOLUTION

Treat the active system with EZ GLIDE™ lubricant to minimize torque issues without altering BARADRIL-N® properties

RESULTS

- » Drilled 8½-inch section with zero downtime related to fluids
- » Minimized torque issues without altering BARADRIL-N properties
- » Saved 72 hours of rig time, valued at USD 64,000
- » Recovered 550 bbl of BARADRIL-N RDF for reuse

OPERATOR SEEKS INNOVATIVE LUBRICANT TO IMPROVE DRILLING

In Venezuela, the target zone on the CGO-0055 well drilled by PetroCarabobo consisted of oil sands, which posed a significant risk of high torque, stuck pipe, and loss of the bottomhole assembly (BHA). A cumulative footage of 10,441 feet (3,182 meters) was to be drilled in the 8½-inch section, including three sidetracks (see graph).

The operator needed to preserve and reuse as much of the BARADRIL-N® reservoir drilling fluid (RDF) as possible, but treating the fluid with conventional lubricants or diesel could have an adverse impact on the fluid properties.

EZ GLIDE™
LUBRICANT
SAVES
72 HOURS
of rig time

HAL122670

LUBRICANT IMPROVES LUBRICITY WITHOUT HARMING FLUID PROPERTIES

The Baroid team recommended adding EZ GLIDE™ lubricant to the active system in a concentration of 3 percent volume/volume (V/V).

EZ GLIDE lubricant is a blend of synthetic oils and surfactants designed specifically to help reduce friction in water-based fluids. It is non-damaging to producing formations, helps preserve return permeability, and provides resistance to oil-wetting problems. It is ideal for applications in environmentally sensitive areas, as it contains no petroleum hydrocarbons.



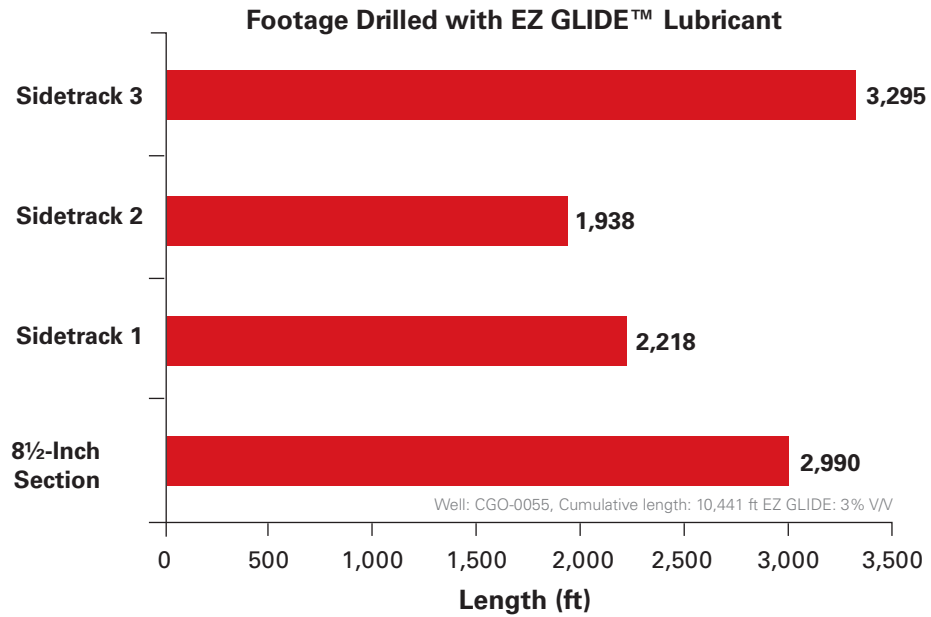
PetroCarabobo rig, Orinoco Belt, Venezuela

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EZ GLIDE LUBRICANT IMPROVES DRILLING AND PRESERVES RDF

After the RDF was treated with EZ GLIDE lubricant, the 8½-inch section of the CGO-0055 well was drilled with zero issues attributed to the fluid.

Improved drilling performance saved 72 hours of rig time, valued at USD 64,000. PetroCarabobo was able to reuse 550 bbl of the BARADRIL-N system on the next well.



A cumulative footage of 10,441 feet (3,182 meters) was drilled in the 8½-inch section, including three sidetracks.

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