Protex-All™ Scale Inhibitor

Protex-All™ liquid scale inhibitor is made from Scalechek® LP-55 scale remover and a cationic surfactant. In aqueous fluids, it forms an organic complex that adheres strongly to tubular goods as well as sandstone and limestone formations. Once adhered, Protex-All inhibitor is difficult to remove, but it slowly becomes soluble in produced water.

**Applications**

Protex-All scale inhibitor can be used at bottomhole temperatures (BHTs) up to 400°F (204°C). The typical inhibitor concentration is 1 to 5 gal/Mgal of aqueous carrier fluid.

Protex-All scale inhibitor can be dumped directly down the annulus and followed by a water overflush. It can also be added to aqueous-based fracturing fluids and carrier fluids.

**Features**

In produced fluids, Protex-All scale inhibitor acts as a nonemulsifier and provides a degree of corrosion inhibition.

**Benefits**

Protex-All scale inhibitor can provide the following benefits:

- It is dispersible in hydrochloric acid (HCl), fresh water, and produced brines.
- It has a shelf-life of up to 24 months.
- Protex-All scale inhibitor can provide tubular materials with long-term protection against gypsum, carbonate, and barium sulfate scales.

**Protex-All™ Scale Inhibitor—Product Specifications**

<table>
<thead>
<tr>
<th>Part No. (55-gal drum)</th>
<th>100012251</th>
<th>Bulk Density</th>
<th>8.89 lb/gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Clear, red liquid</td>
<td>pH</td>
<td>6.5 (5% solution)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.067</td>
<td>Flash Point</td>
<td>95°F (35°C)</td>
</tr>
</tbody>
</table>
Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.