

Xpediate™ Near-Wellbore Remediation Program



Xpediate™ Nano Technology:

Is a process to remove near-wellbore damage such as:

- Water blocks
- Condensate banking
- Paraffin and/or Asphaltene deposits
- Formation fines
- Formation scale
- Drilling fluid invasion

Why Use Xpediate™ Nano Technology?

X-Chem's Xpediate™ nano-fluid is a proprietary product that is formulated with nanotechnology chemistry that can be targeted to remove these mechanisms. Xpediate™ is multifunctional as a result of blended oil/water/surfactants/solvents in a single molecule. The main benefit of Xpediate™ nano-fluid is to lower the interfacial tension of the reservoir which drives performance.

Xpediate™ Nano Technology Advantages:

- Uses nanotechnology chemistry to penetrate deeper into the formation
- Maximizes fluid penetration, contact efficiency and fluid recoveries
- Maintains reservoir wettability
- Works well in mixed wet environments
- Thermodynamically stable in reservoir temperatures from 70° to 390°F

Xpediate™ Candidate Identification:

- Lost production after a workover
- Kill job "killed" the well
- Casing leak of incompatible fluids onto producing formation.
- Indications of positive skin factors
- Having abnormal decline curves
- Scaling issues or tendencies
- Producing fines or other solids
- Having high paraffin and/or asphaltene deposition issues

Xpediate™ Nano Technology Application:

- Treatments are quick and simple to perform
- Treatments can be pumped down tubing or casing.
- Treatments usually a "Rig-less Entry" event
- Typically applied at 20 gpt of treatment fluid
- Requires a 24 to 72 hour shut-in period

When production declines, "*outsmart your wellbore*" with our Xpediate™ line of products and nanotechnology to help you:

Enhance better. Recover more.

Benefits

- Increased oil and gas production
- Lowers interfacial tension
- Increased pore penetration
- Non-emulsifying
- Removes carbonate, sulfide and oxide scales
- Lowers injection pressures
- Safe and effective in all types of formations
- Proven to be cost-effective

Challenges

- Decreased oil & gas production
- Near-wellbore skin damage
- High interfacial tension, IFT
- Water blocks
- High Injection pressure
- Abnormal decline curve

What is Xpediate™ CnF?

X-Chem's Xpediate™ nano-fluid, XnF is a proprietary product that is formulated with nanotechnology chemistry. Molecules reduced to the nanoscale exhibit very different properties compared to what they exhibit at the macroscale. Our unique nanoscale applications increase stability and improve functionality of the formation. Nano molecules in XnF penetrate formations, dissolve plugging solids and enhance absorption of rock formations.

Xpediate™
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For more information, please contact us:

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