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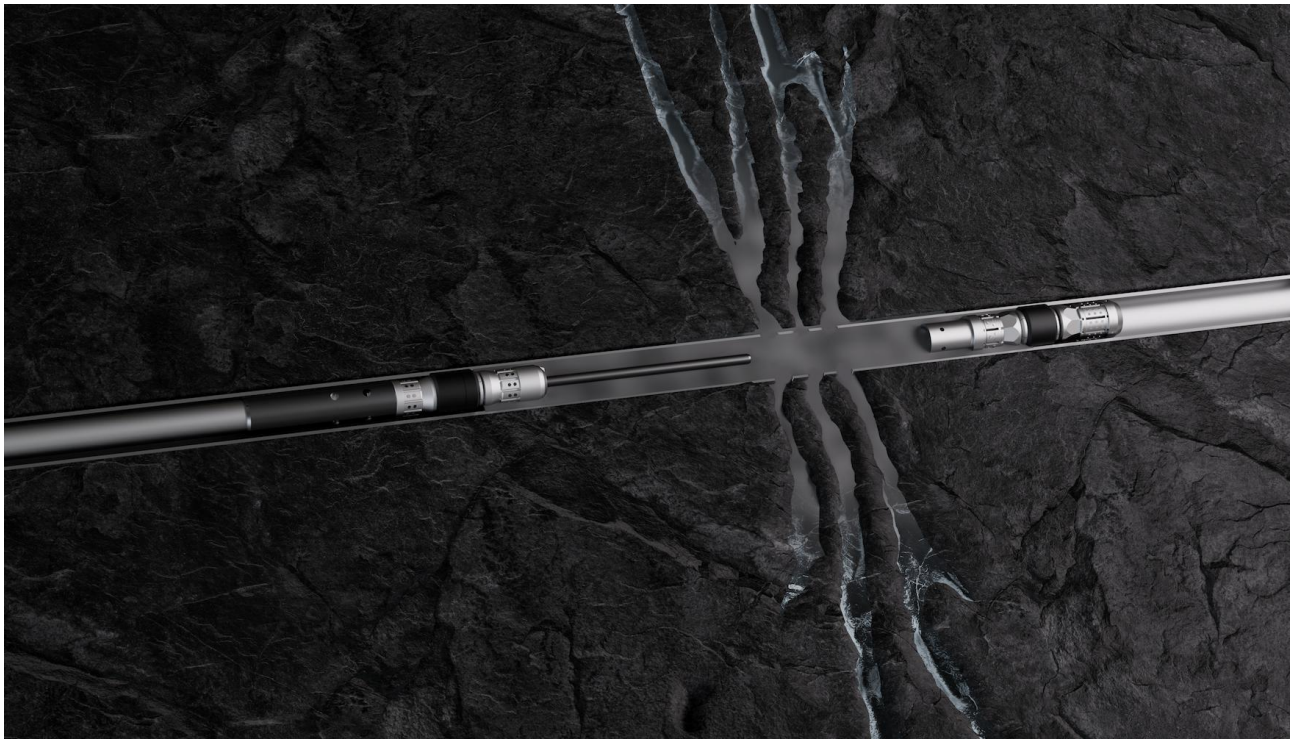
# PIRANHA Dissolvable Cement Retainer

## Case Study: One-trip Dissolvable Cement Retainer and Dissolvable Plug for Zonal Water Shut-Off in North Europe

### BACKGROUND

In a North Europe field, three water producing zones were successfully treated with one-trip dissolvable cement retainers and dissolvable plugs. By setting a Chameleon Dissolvable Plug below the problem zone and thereafter setting the PIRANHA Dissolvable Cement Retainer above, cement slurry was squeezed and sealed. Mill-out operation quickly cleaned out the wellbore with minimal debris from the cement retainers and plugs.



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## CHALLENGES

- Tubing ID 3.958″ with 3.688″ downhole restriction requires cement retainer to be customized with smaller OD and longer setting range
- Debris left in hole after mill-out if setting traditional cement retainer and plug
- High risk of clogging the well if non-dissolvable plug parts left downhole
- Low temperature (125°F) and low salinity (KCl 450ppm) will impair dissolvability of dissolvable tools

## SOLUTION

- PIRANHA Dissolvable Cement Retainer and Chameleon Dissolvable Plug with 3.5″ OD to set in 3.958″ tubing ID
- Customized dissolvable metal & elastomer for low temperature;
- No tubing clogging risk after dissolving
- One-trip dissolvable cement retainer reducing overall treating time and cost for one more CTU run


## Contact Us

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