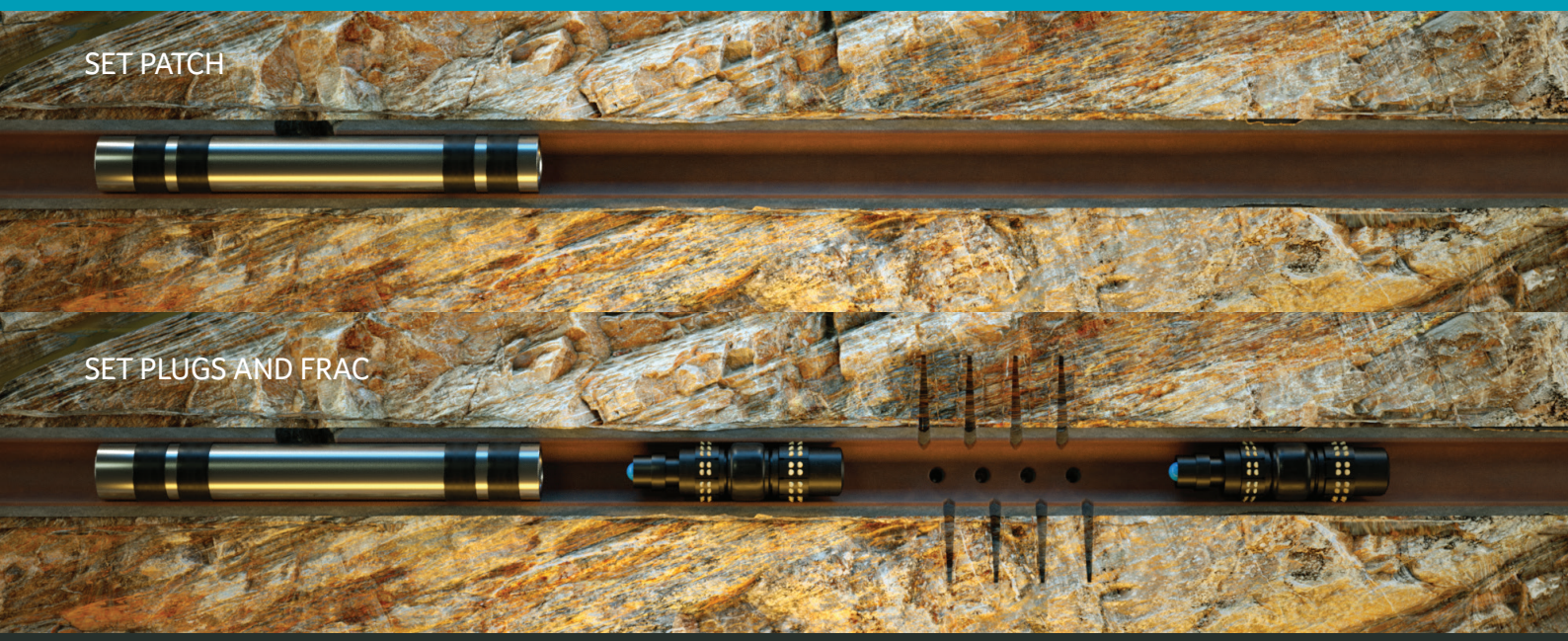
CORE
METAL EXPANDABLES

ReLine Prime



Repairing Casing in the Horizontal and Stimulating Below the Patch

PROBLEM

The operator developed a leak during the early stages of a frac job. After evaluation, the leak was found approximately 2,000 ft into the lateral section stranding the remaining 7,000 ft of the lateral from being stimulated.

SOLUTION

- Coretrax's ReLine Prime system was expanded over the leaking interval from 13,865 ft to 14,025 ft
- Metal to metal seals were used on the patch to isolate the leak from high frac pressures
- Coretrax's proprietary expandable flush joint connections allowed 160 ft of liner to be fully expanded
- The large post expanded patch ID of 3.416-in. allowed the operator to pump at the high rates needed for the frac job and still pass frac plugs
- The ReLine Prime running tool eliminates the need for a conventional shoe at the bottom of the patch, so no drilling is required after patch installation

RESULTS

- The ReLine Prime liner was successfully deployed and expanded in one trip with no shoe milling required keeping the lateral clean of debris
- After the installation of the ReLine Prime, 30 stages were successfully stimulated below the patch utilizing long range frac plugs and 10 stages were stimulated above the patch using standard frac plugs
- During the frac operation, 4.4 million pounds of proppant was pumped through the patch at 55 BPM to frac the lower 30 stages

PROJECT DETAILS

Location: North Dakota
Date: October 2015
Well Measured Depth: 21,200 ft
KOP: 10,900 ft
Inclination: 90° F
Casing: 4-1/2" 11.60#

Total Patch Interval: 160 ft
Patch Setting Depth: 14,025 ft
Installed Patch ID: 3.416"
Frac Rate: 55 BPM
Treating Pressure: 9,000 PSI

CORETRAX
AN EXPRO COMPANY