



ReLine Prime

Coretrax deploy 7,000ft ReLineMNS system to rejuvenate well for Permian operator

SOLUTION

Coretrax was asked to provide a solution that would allow for existing perforations to be isolated and refrac operations to be carried out. Refrac operations drastically increase the life of the field by fixing wells that were underperforming due to small, old, inferior completions and/or mechanical issues.

As production from this type of well is depleted - only three barrels were produced per day - a 4-1/2" 13.5# expandable liner with plug and perf was selected as the most suitable method for a slickwater frac.

Following three drift runs to recover debris, a 7,253 ft liner was expanded across the length of the with a new 3.321" ID. This gave the largest ID for restimulation to allow 7.8 MMLbs of proppant to be placed at high pump rates.

System deployment is simple and straightforward:

1. Make up the tool, expandable casing, work string, and RIH
2. Initiate hydraulic expansion to set the lower seals
3. Expand casing by pulling the work string @ approx. 1,000ft/min
4. Set upper seal by applying hydraulic pressure
5. Pull out of hole.

This resulted in a "like-new" wellbore in the cased-hole environment. Mechanical isolation then restored pressure integrity with minimal wellbore ID loss for the purpose of refracturing.

BENEFITS

- 7000ft casing patch deployed in a single trip
- Old perforations mechanically isolated and refrac completed successfully
- Oil production increased from 3 BPD to 293BD
- Gas production increased from 10,000 BTU to 26,000 BTU

