

CHALLENGE

A major operator in Malaysia was encountering skin damage in their wells due to perforations plugged with CaCO₃ scale. The customer was looking for a cost-effective alternative to remove the scale and improve production.

HIGHLIGHTS

Conventional offshore oil field
Directionally drilled
Perforated Completion

LOCATION

Sarawak, Malaysia

CONDITIONS

Depth: 5,000ft (1,500 m)
Temperature: 195 °F (90 °C)
~50 deg deviation



Producing Well

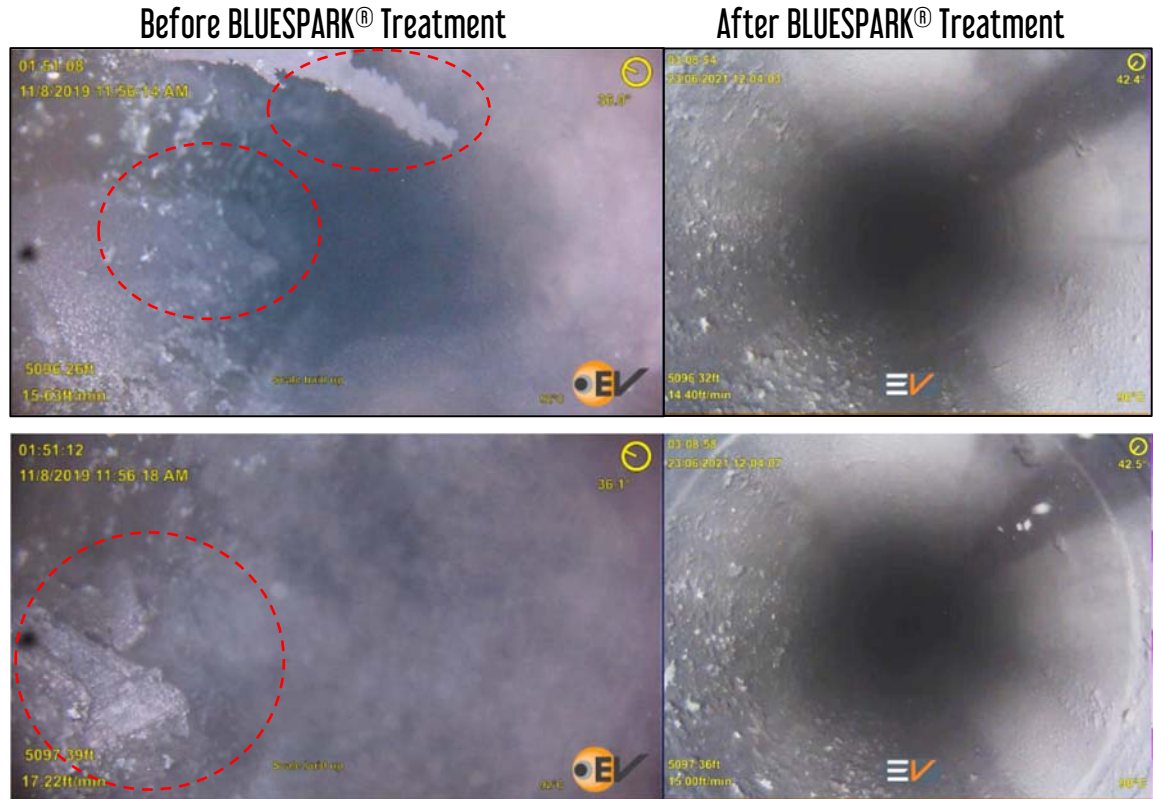


Scale Removal

OUTCOME

- Comparison of camera images from before and after treatment show removal of a majority of the scale present, as seen in the images below
- Preliminary results indicate an increase of gas production of 2.4 MMscf/d

Up to 20% increase in gas production



Photos captured by EV Camera and provided by client

SOLUTION

Improve connectivity to the reservoir clearing out blockages using electro-hydraulic pulsing technology

- The BLUESPARK® 275 tool was run on third-party E-Line to the treatment interval
- An interval of 220 ft (67 m) was treated in 20 hrs of total operating time
- A camera was run to determine the extent of any scale remaining
- The well was put back on production and monitored