



CHALLENGE

The well of a major operator was unable to produce from the long horizontal sand screen section. An attempt to stimulate production with coiled tubing was not successful and the horizontal section was left idle for over 5 years after it was completed.

HIGHLIGHTS

Offshore
Conventional horizontal oil producer
Premium screens completion

LOCATION

Malaysia

CONDITIONS

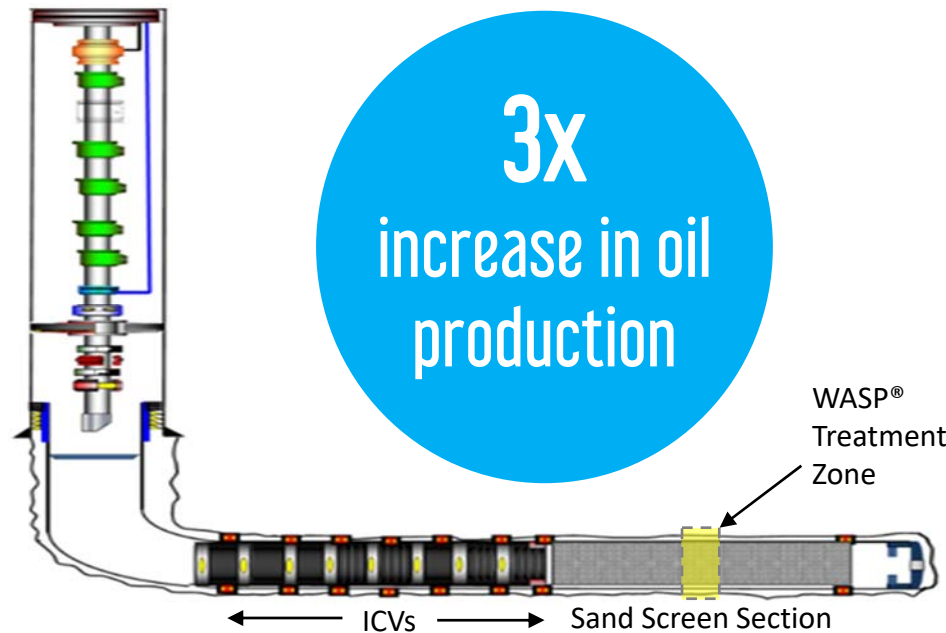
Depth: 3,600 m MD (11,800 ft)
Temperature: 107 °C (225 °F)
Sour Conditions (>50% CO₂; >10ppm H₂S)
Mud-filled HZ section (based on PLT)



Producing Well

OUTCOME

- WASP® stimulation was successful in treating the sand screen section, remediating the wellbore damage created during the drilling and completion of the well
- WASP® stimulation was successful in spite of the heavy well fluid (1.6g/cc as measured by pre-job PLT) that was encountered
- WASP® saved operator more than USD 1 M versus another coiled tubing stimulation job
- Production for the HZ well section went from approx. 300 bopd to 900 bopd (average during 3 weeks of post treatment testing)



SOLUTION

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

- Pre-job PLT was run and confirmed that the long horizontal section was filled with heavy well fluid (potentially drilling mud & barite settling)
- Stimulation carried out with slim-hole through-tubing WASP® 212 tool over 3 runs via electric-wireline tractor
- Only 10% of the total screen section was treated
- Job completed in 3 days (versus up to 2 weeks for coiled tubing)



BLUESPARK