

Lithology	Shale
Well depth	12,500-ft TVD [3,810-m TVD]
Bottomhole flowing pressure	250 psi [1.7 MPa]
Bottomhole static temperature	310 degF [154 degC]
Casing size	4.5 in
Lateral length	4,639 ft [1,414 m]

Background

To generate future cash flows and increase estimated ultimate recovery, an operator began investigating the benefits and risks of refracturing various existing unconventional wells. The operator sought to increase reserves without adding new drill rigs to its portfolio and potentially improve the rate of return on refractured wells over new wells drilled in the Eagle Ford in the current business cycle. However, the operator needed to identify and select a candidate well to begin this industry-first operation.

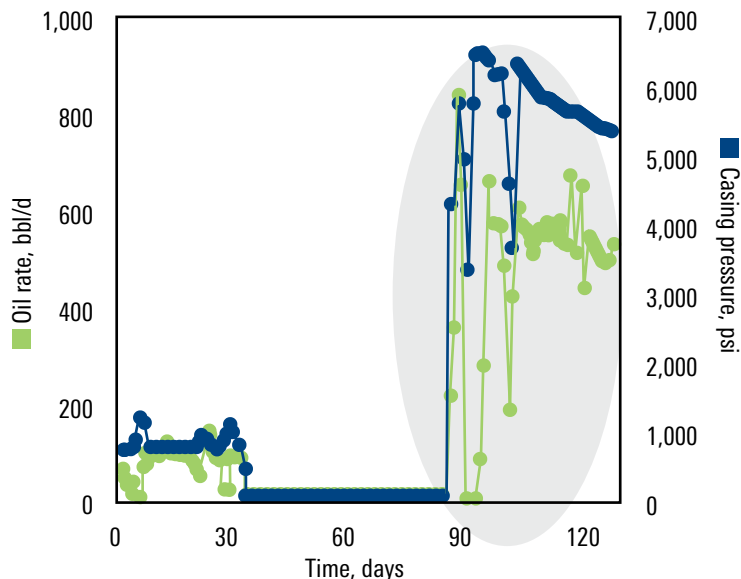
Technologies

- BroadBand* unconventional reservoir completion services
- BroadBand Sequence* fracturing service

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BroadBand Sequence Service Increases Production in Refractured Well by 600 bbl/d

Schlumberger restimulates well, accesses new rock, increases reserves, and increases flowing pressure by 4,750 psi



Schlumberger performed a refracturing screening analysis to identify a candidate well. BroadBand Sequence service was used to stimulate a lateral of the candidate well with 12 proppant stages separated by 11 composite pills from BroadBand services. The fracturing service boosted production from approximately 50 bbl/d to 650 bbl/d and increased the flowing pressure from 250 psi to 5,000 psi [1.7 MPa to 34.5 MPa].

Refracturing using Broadband Sequence fracturing service significantly improved the production profile following shut in of the well to prepare for treatment.