

Production Optimization

Helig E

Managing Editor, Journal of Petroleum and Environmental Biotechnology, UK

VIEWPOINT

Production improvement refers to the varied activities of measure, analyzing, modelling, prioritizing and implementing actions to reinforce productivity of a field: reservoir/well/surface. Production improvement could be an elementary follow to confirm recovery of developed reserves whereas maximizing returns. Production improvement activities include:

Near-wellbore profile management gas-water coning and fingering, o near-wellbore correspondence management

- Removal of near-wellbore injury o matrix stimulation or acidizing.
- Maximize the productivity index o hydraulic fracturing o maximum-reservoir-contact well with four-party completion.
- Prevention of organic and inorganic solid deposition within the near-wellbore/completion/pipeline

- Well integrity on prevention and redress of casing and cement failure.
- Design of well completion on optimization of artificial carry performance at field and well level o sand management.
- Efficiency of oil and gas transport.
- Design of surface facilities and fluid handling capability .
- Production system debottlenecking Production improvement, at the side of Reservoir Management, could be a central a part of a company's field development and deliverability strategy. Key think about production improvement is that the capability to mitigate formation injury throughout well construction and production routine operations. Formation injury mitigation are often accomplished reassuring that operational details area unit achieved before reaching the pay zone to the last production parameters recorded.

Correspondence to: Helig E, Managing Editor, Journal of Petroleum and Environmental Biotechnology, UK, E-mail: editor.jpeb@journaloa.org

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