

MRT @sample

Fig. 1. Well locations with current production bubble map over the structural map

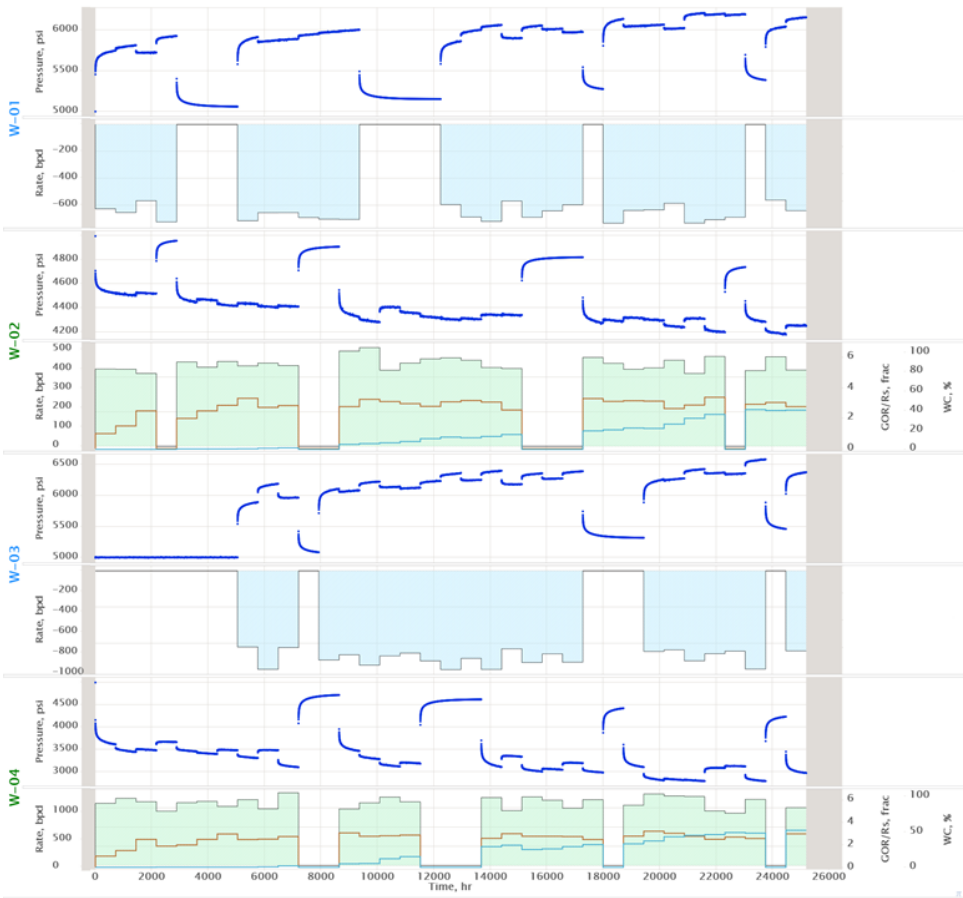


Fig. 2. Production / Injection history

Outputs

Production History

Fig. 3. Simulated total subsurface flowrate history

Fig. 4. Simulated BHP history

Fig.5. Simulated formation pressure history
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Fig. 6. Simulated Productivity Index history

Fig. 7. Simulated Cross-well interference history
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Production Forecast

Fig. 8. Rate forecast under Pressure Control regime
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Fig. 9. BHP forecast under Liquid Control regime

Fig. 10. Formation pressure forecast under Liquid Control regime

Diagnostic Metrics

Fig. 11. Cross-well interference map

Fig. 12. Unit-rate Transient Response Matrix (UTRM)
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Fig. 13. Unit-rate Transient Response Spider (UTRS)
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Fig. 14. Material Balance Pressure Plot
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Fig. 15. Inflow Performance Relationship (IPR)

Fig. 16. Cumulative Productivity Plot (Hall Plot)
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Fig. 17. J-plots

Fig. 18. WOR diagnostics

Fig. 19. GOR diagnostics

Primary Well & Reservoir properties

Fig. 20. Potential drainage volume

Fig. 21. Current dynamic drainage volume

Secondary Well & Reservoir properties

Fig. 22. Apparent transmissibility

Fig. 23. Apparent skin-factor

Fig. 24. Fracture half-length

Fig. 25. Dynamic fracture pressure threshold

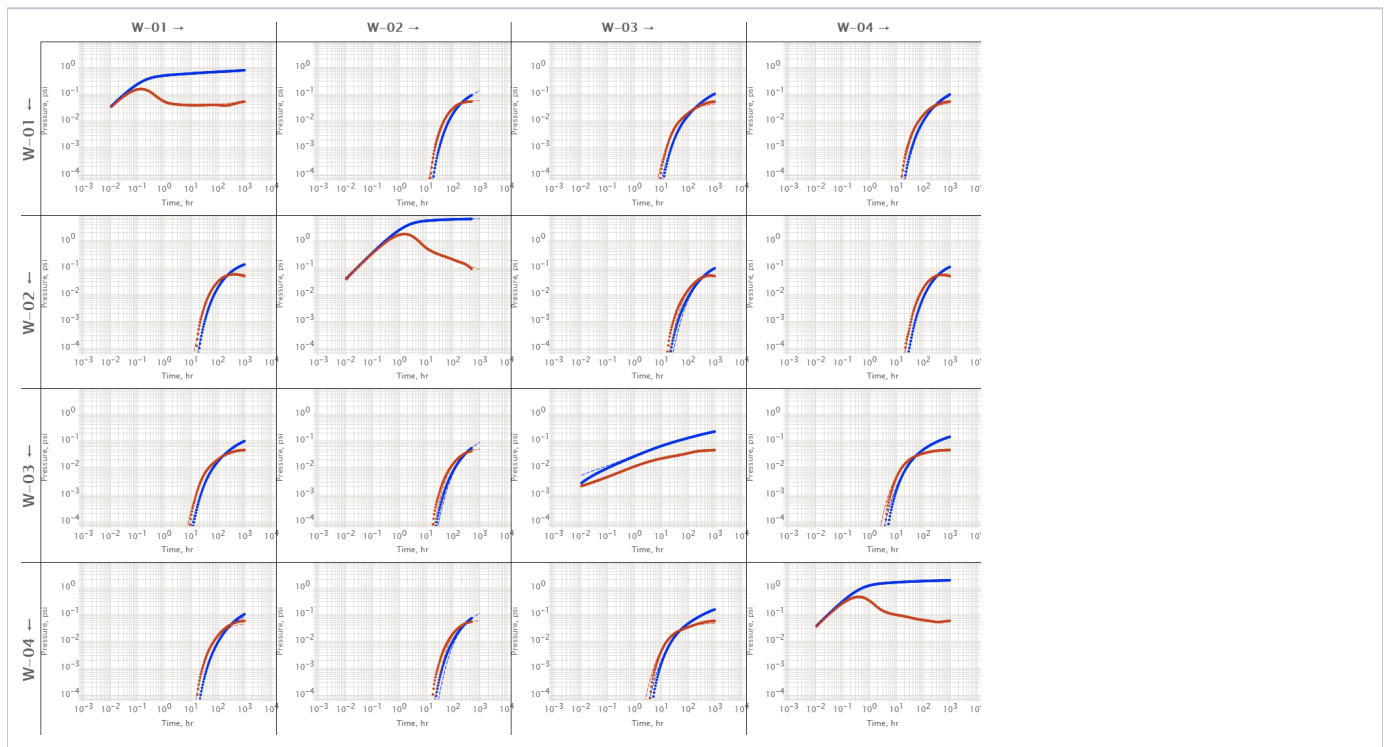


Fig. XXX. [UTR](#) output diagram from [MDCV](#) which is a key element of [MRT](#). The column wells showing pressure response to row wells.

Diagonal elements are showing self-response [DTRs](#). Non-diagonal elements showing cross-well response [CTRs](#).

See Also

[Petroleum Industry](#) / [Upstream](#) / [Production](#) / [Subsurface Production](#) / [Field Study & Modelling](#) / [Production Analysis](#) / [Multiwell Retrospective Testing \(MRT\)](#)