

Time-lapse Drainage Frac of Stacked Well A2 & B2

CHALLENGE

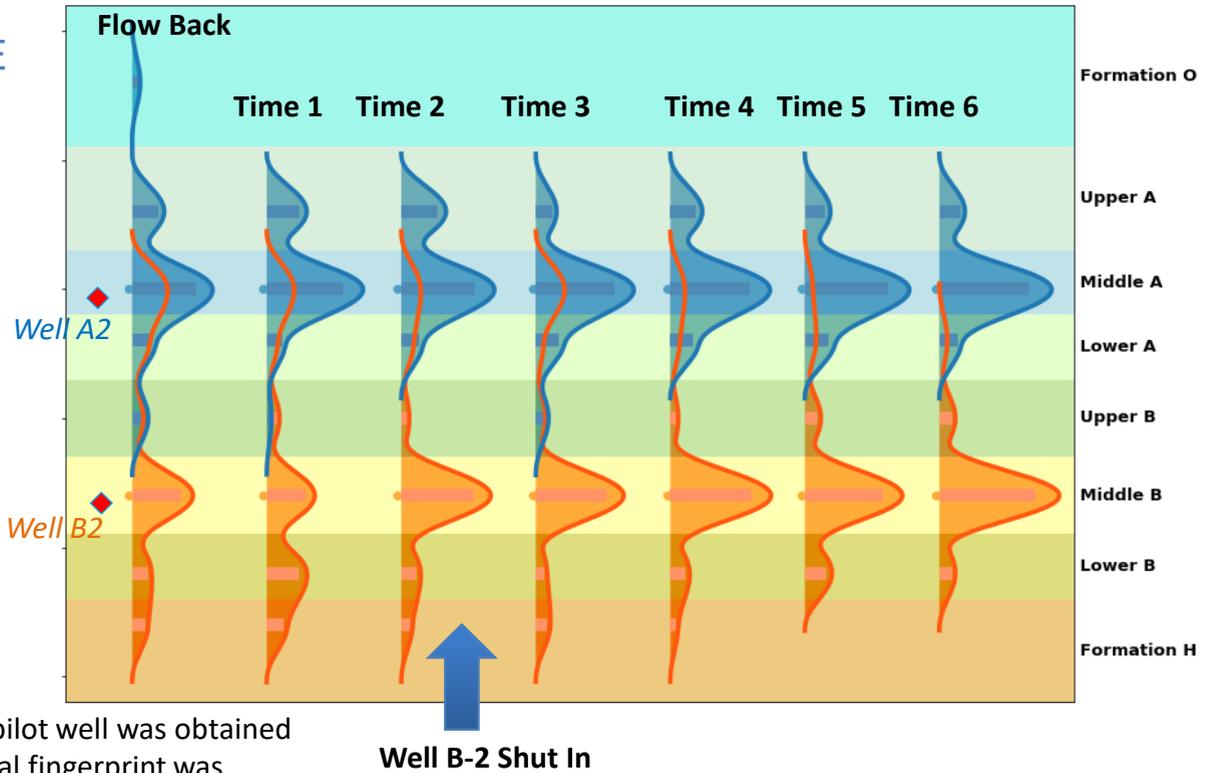
Operator needed a dynamic monitoring of vertical drainage quantification in order to optimize well stacking and timing of re-fracing

PROCESS

- Well core from pilot well was obtained
- Core geochemical fingerprint was collected and analyzed to establish baseline
- Produced oil samples were collected within the first few months of production, without operational interruption
- Produced fluid geochemical fingerprint was compared to the pilot well baseline to estimate drainage height and its change through time

RESULTS

- Geochemical fingerprint information provided dynamic monitoring of the drainage
- The drainage height was very dynamic through time and well communication between Zone A and Zone B producers was quantified
- Results were used to constrain frac model and reservoir model and revamp field development



Stacked Plot of Well A-2 Production Allocation

