CASE STUDY

Application: SUBSURFACE RESERVOIR CHARACTERIZATION Using RevoChem Geochemical Fingerprint Technology

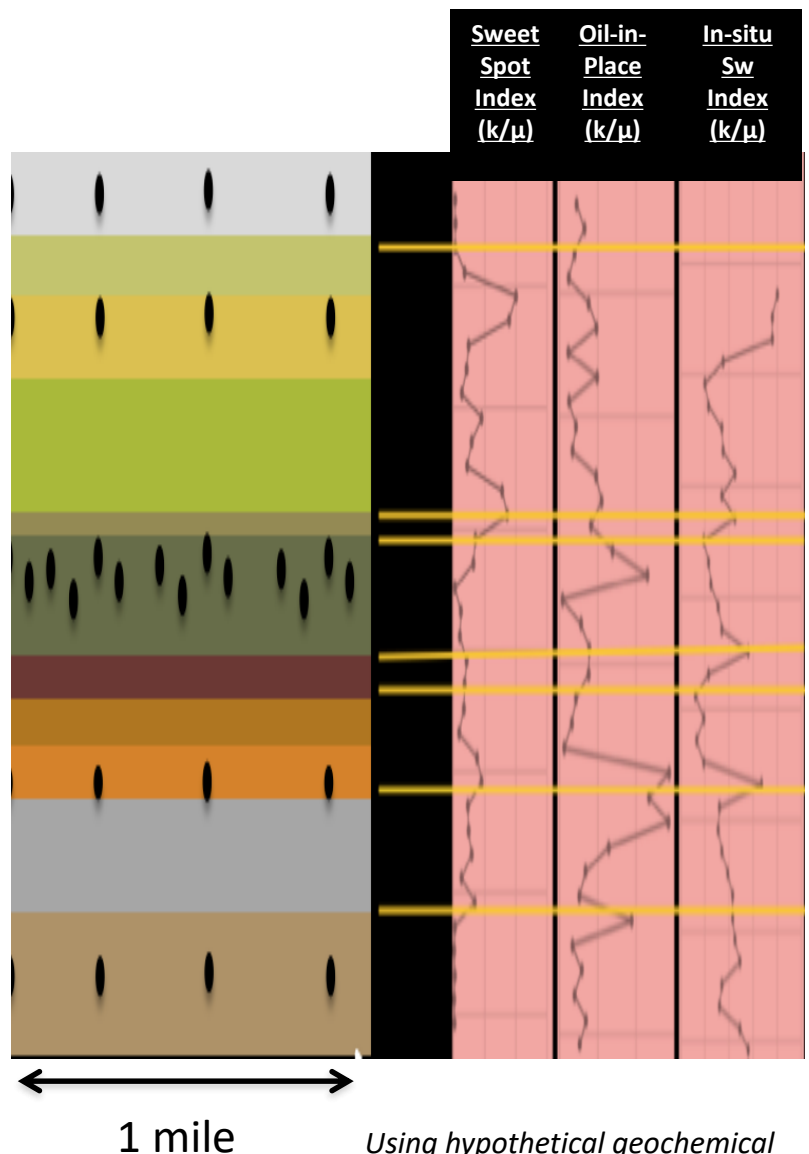## CHALLENGE

Operator needed an effective, cost-efficient and fast reservoir characterization method to determine horizontal landing zone.

PROCESS

- Well cuttings from pilot well were obtained
- Geochemical fingerprint of hydrocarbon from cuttings were collected and data mined for reservoir characterization indices

RESULTS

- Delivered group of reservoir characterization indices including sweet spot index (reservoir quality index & fluid viscosity index), oil-in-place index and in-situ water saturation index
- Reservoir characterization indices served as a complement to petro physical data to fine tune landing zone determination

Sweet Spot Index (k/µ)	Oil-in-Place Index (k/µ)	In-situ Sw Index (k/µ)

1 mile

Using hypothetical geochemical fingerprint data from core/cutting samples; For illustration only