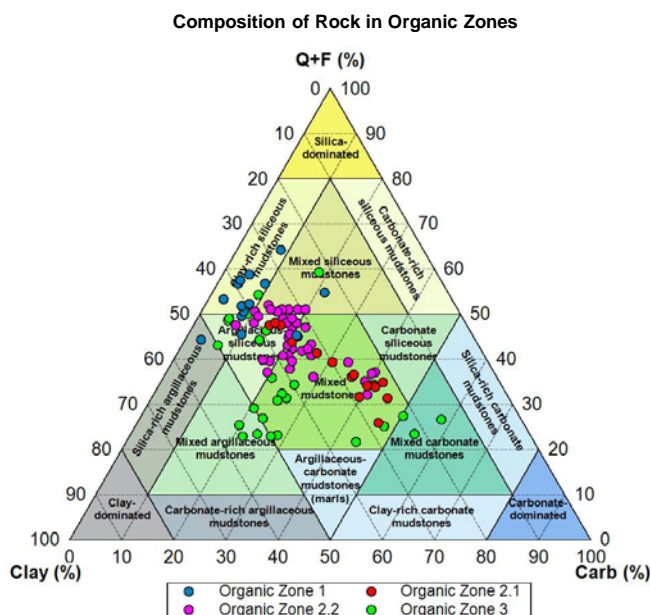


# RockWise<sup>SM</sup> Cuttings Analysis

## Identifies New Drilling Target

## Estimated To Net 30% More Oil



The above diagram shows interpreted lithotypes based on cuttings analyzed at the wellsite using whole-rock quantitative X-ray diffraction.

### Objectives

- Perform on-site mineralogical and geochemical formation evaluation on cuttings while drilling to investigate the reservoir quality of the target interval.

### Our Approach

- Weatherford RockWise services analyzed cuttings at the wellsite to quickly provide reservoir characterization from direct measurements.
- The portable X-ray diffraction (XRD) instrument enabled whole-rock mineralogical evaluation, and the Source Rock Analyzer (SRA) provided organic geochemical characterization.
- RockWise services interpreted the data and determined that a second zone was more favorable and organically rich than the previous target.
- Based on the recommendation of the RockWise team, the operator chose to land the lateral 80 to 100 ft (24 to 30 m) above the previous target.

#### LOCATION

West Texas, USA

#### WELL TYPE

Onshore, drilling, vertical

#### PRODUCTS/SERVICES

- RockWise services
- X-ray diffraction (XRD) instrument
- Source Rock Analyzer (SRA)

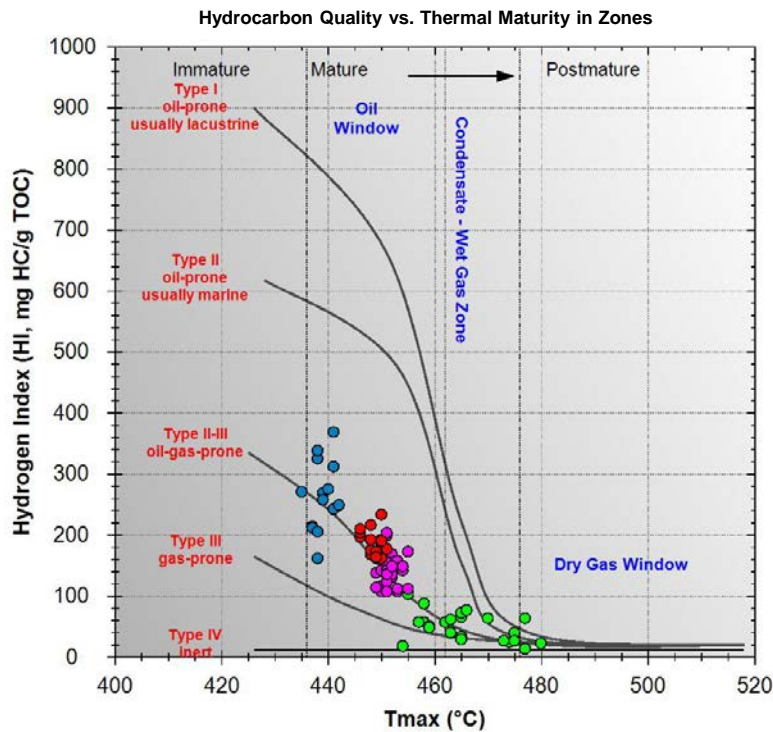


## RockWise<sup>SM</sup> Cuttings Analysis

Identifies New Drilling Target Estimated To Net 30% More Oil Production

### Value to Client

- Weatherford RockWise services provided evaluation to enable the operator to land the lateral in a more productive zone. Based on the revised reservoir model of the new target, the operator can expect the well to yield 30% more production than the previous target.



The above graph shows measurements from the SRA, which helped to plot the relationship between hydrocarbon quality and thermal maturity.

