

# Chalk Bluff Integrated Project

## Well Spacing Analysis and Optimization

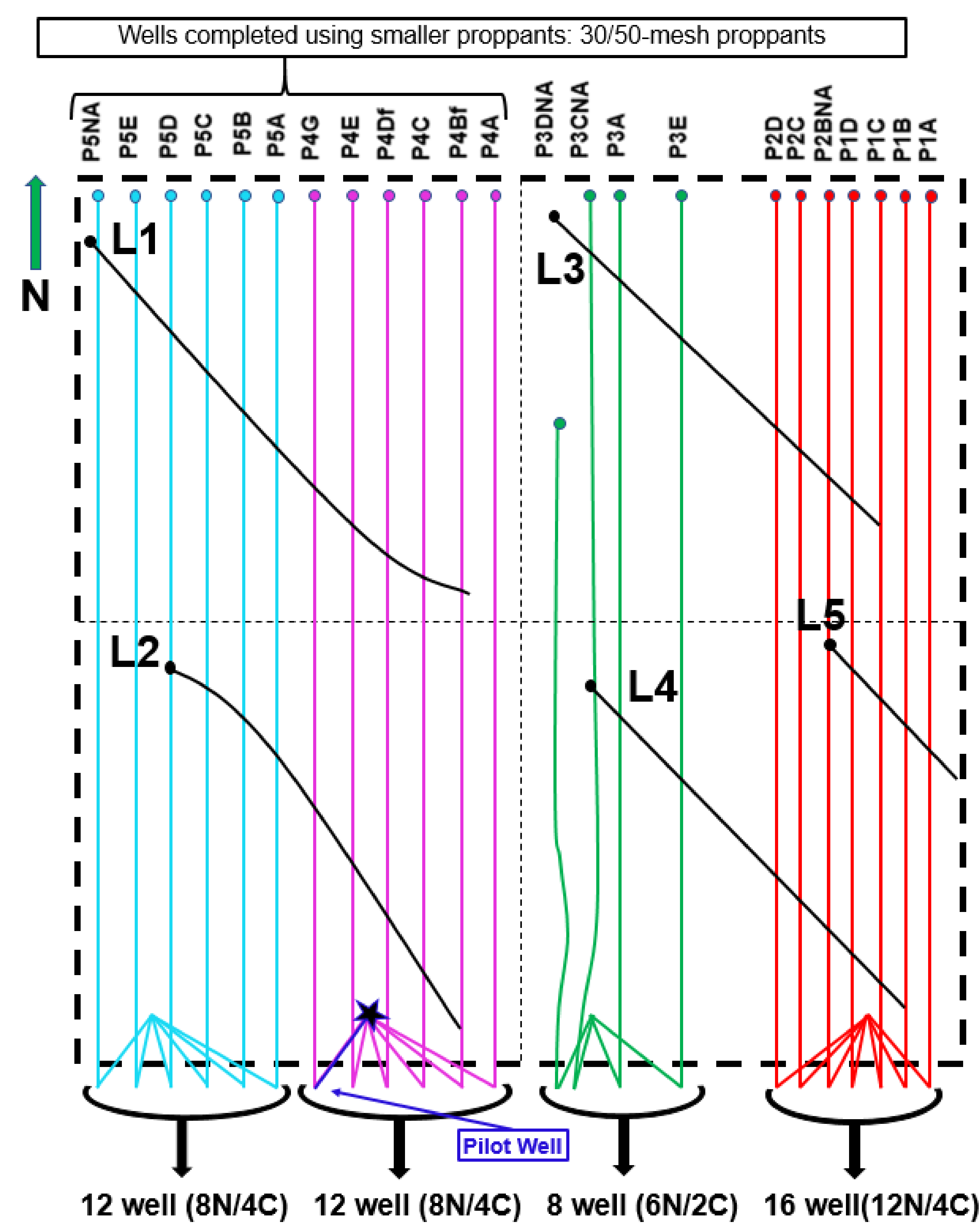


Balnur Mindygaliyeva

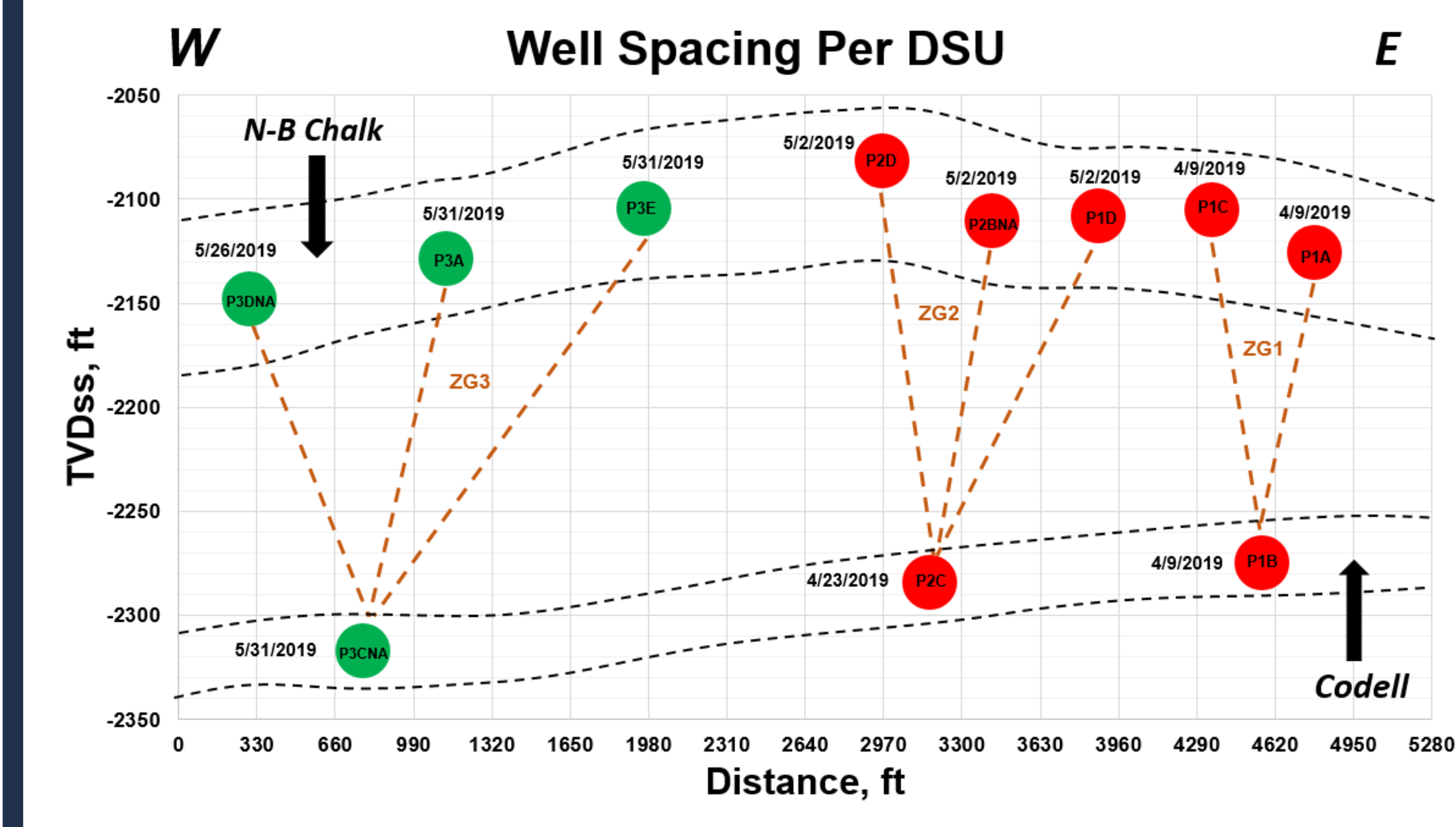
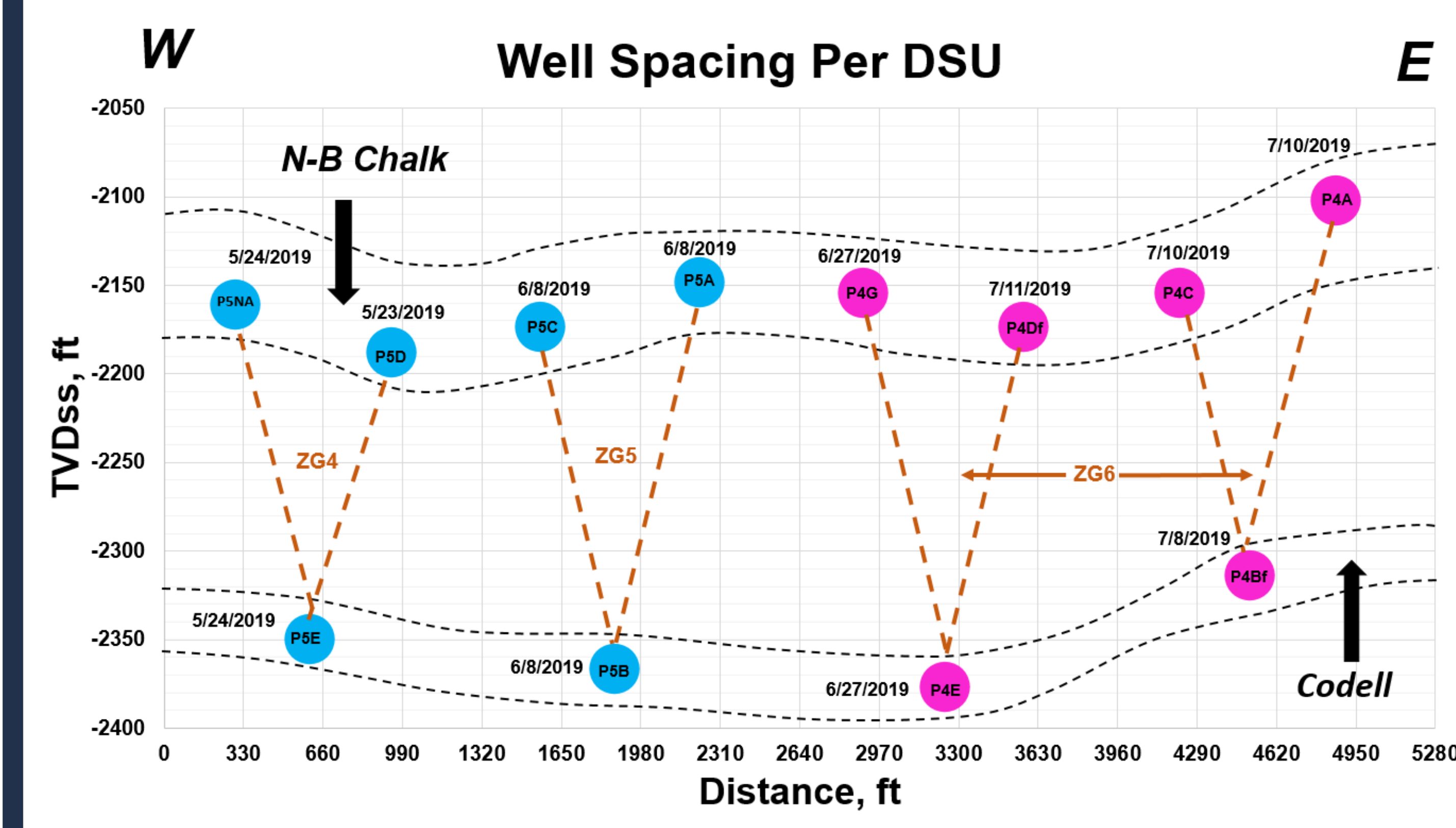
### Objectives

- Understand the influence of geologic heterogeneity on completion and production results
- Determine whether natural fractures are drivers of interwell connectivity
- Determine effective cluster spacing intervals for staged fracturing

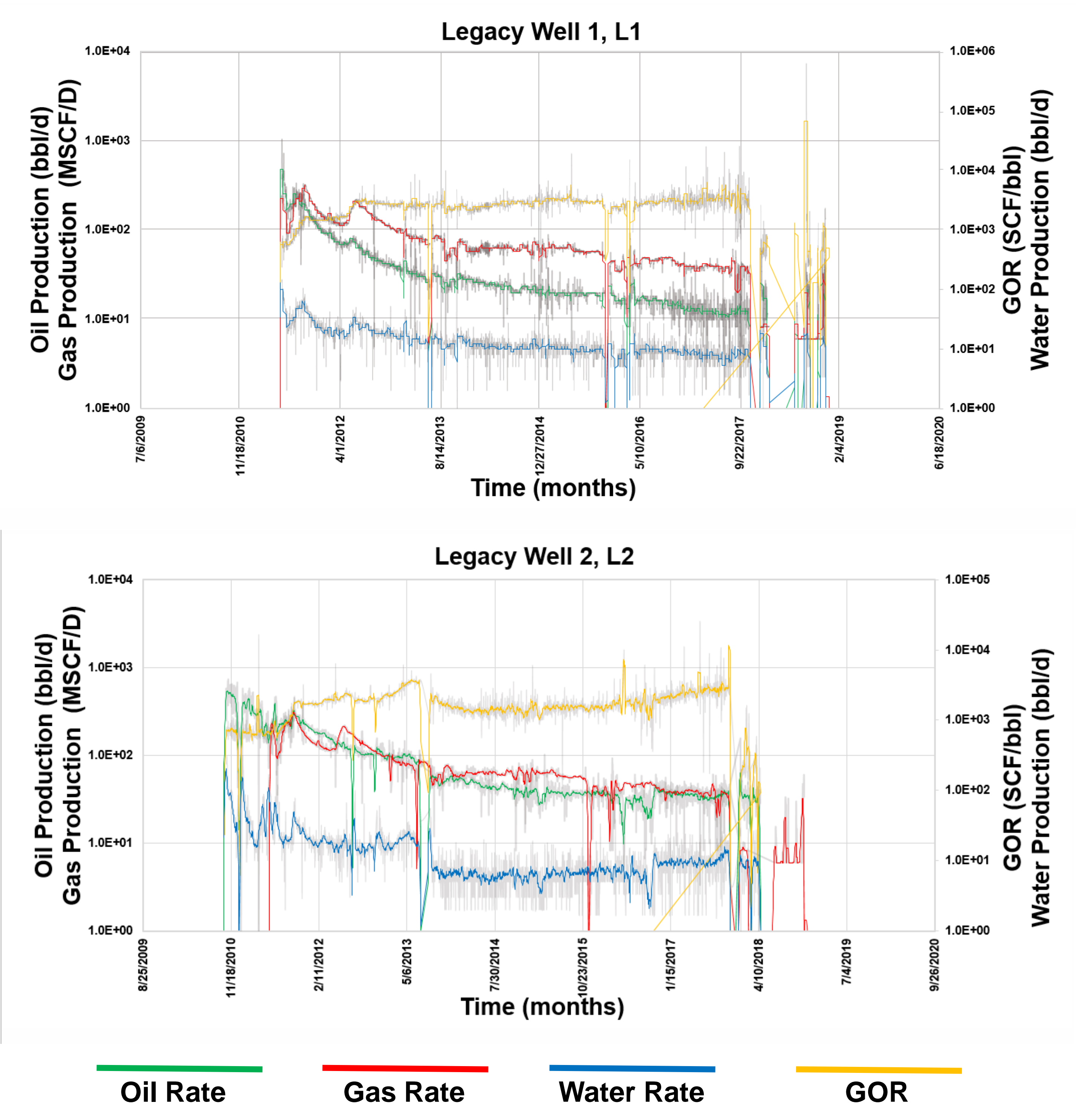
### Current Appraisal



### Spacing Scheme



### Legacy Wells



Currently in the process of analyzing provided production data from legacy wells and completion designs of newly drilled wells. The goals are to get evidence of such well spacing issues as well-interference and frac hits, and to determine influence of legacy wells on the performance of new horizontal wells.

### Way Forward

- PVT Analysis
- Oil Production Decline Analysis
- Rate Transient Analysis
- Reservoir Modeling
- Completion and Production Optimization

All data is the courtesy of HighPoint Resources