



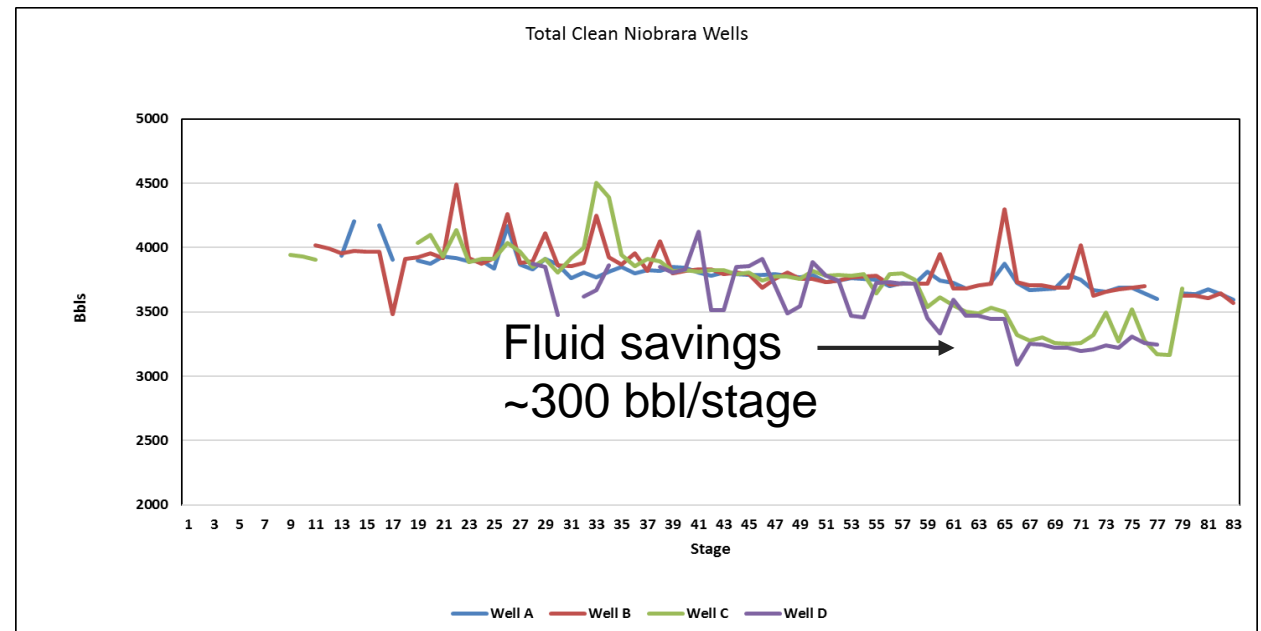
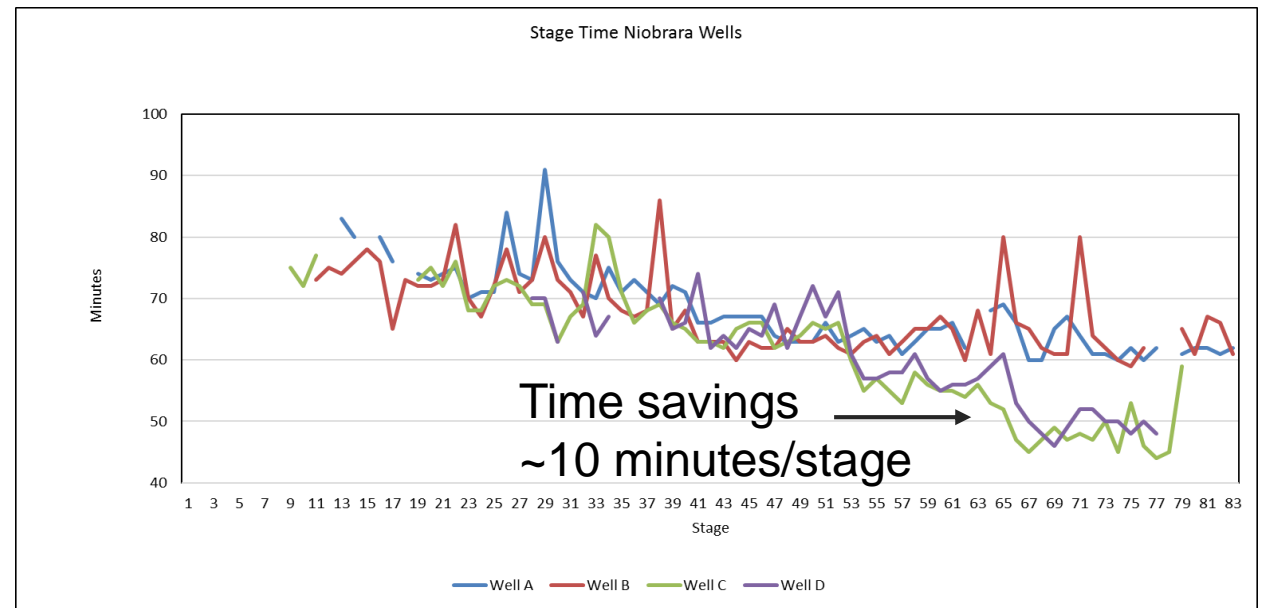
# SpearPoint

*Liberty Engineering Solution*



# SpearPoint

- DJ Case Study
  - Well A and Well B all 15% HCl
  - Spearpoint-WL pumped on last 29 Stages of Well C
  - Spearpoint-WL pumped on last 56 Stages of Well D



# SpearPoint

- Non-DOT Regulated
- Minimal Fuming
- Biodegradable
- Non-Corrosive to Dermal Tissue
- Pumpable During WL



Figure 1: Untreated Wireline



Figure 2: 7.5% HCl after 96 hours @ 194F



Figure 2: 33% Spearpoint-WL after 96 hours @ 194F



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