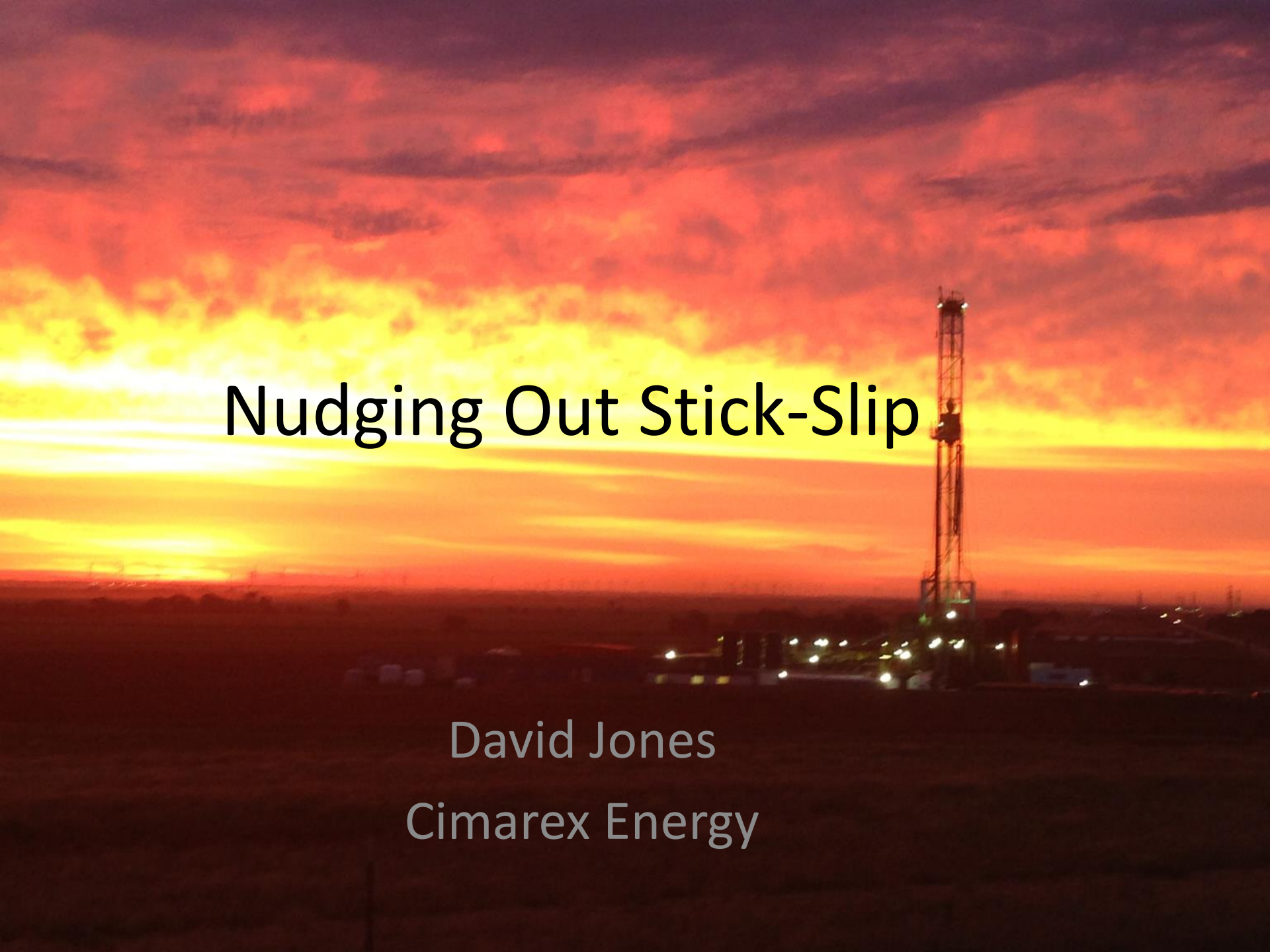


A photograph of an oil rig at sunset. The sky is filled with vibrant orange and red clouds, with a bright yellow sun low on the horizon. The rig is silhouetted against the bright sky, with some lights visible at its base. The overall scene is dramatic and industrial.

Nudging Out Stick-Slip

David Jones
Cimarex Energy



Forward-looking Statements

This presentation contains projections and other forward-looking statements within the meaning of Section 27A of the U.S. Securities Act of 1933 and Section 21E of the U.S. Securities Exchange Act of 1934. These projections and statements reflect the Company's current views with respect to future events and financial performance. No assurances can be given, however, that these events will occur or that these projections will be achieved, and actual results could differ materially from those projected as a result of certain factors. A discussion of these factors is included in the Company's periodic reports filed with the U.S. Securities and Exchange Commission.



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Unintentional Discovery

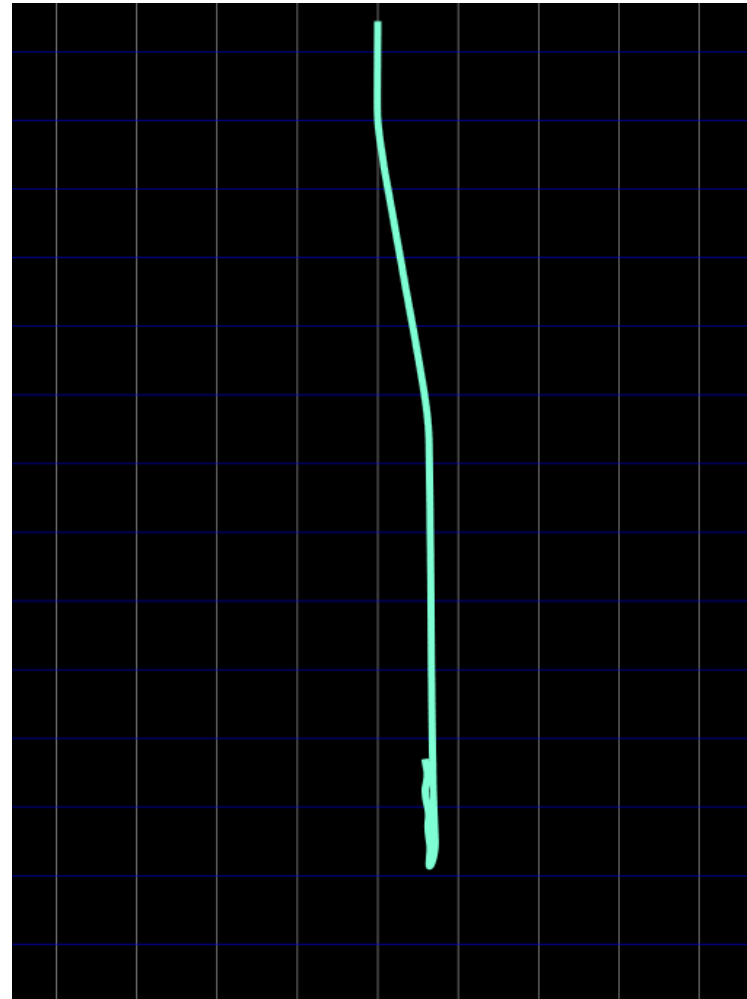


Photo Credit - NBC News: http://www.nbcnews.com/id/38870091/ns/technology_and_science-innovation/t/greatest-accidental-inventions-all-time/#.VNjcvvnF9cg



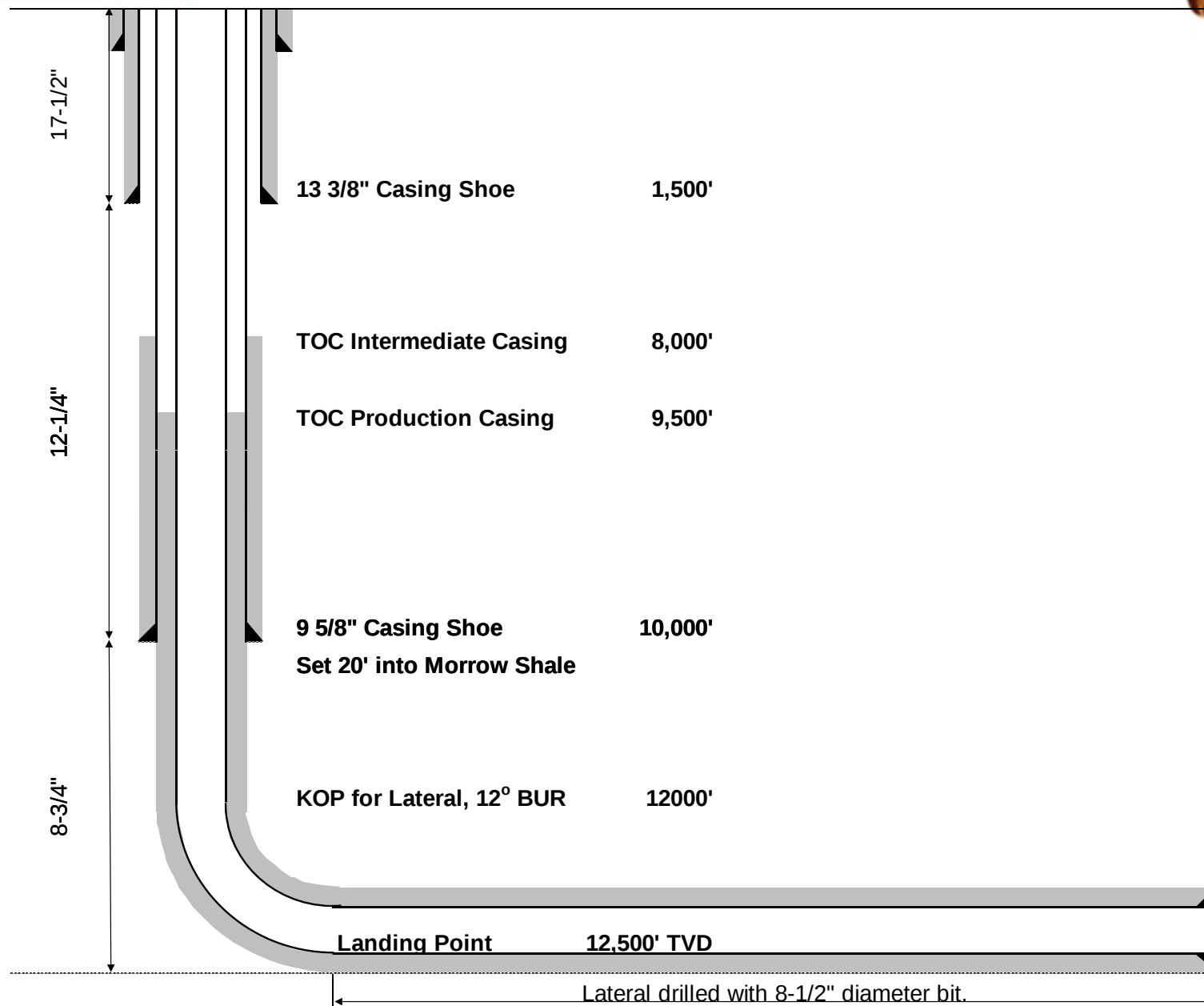
Outline

- Background
- Baseline
- Nudges
- Results and Data
- Conclusion



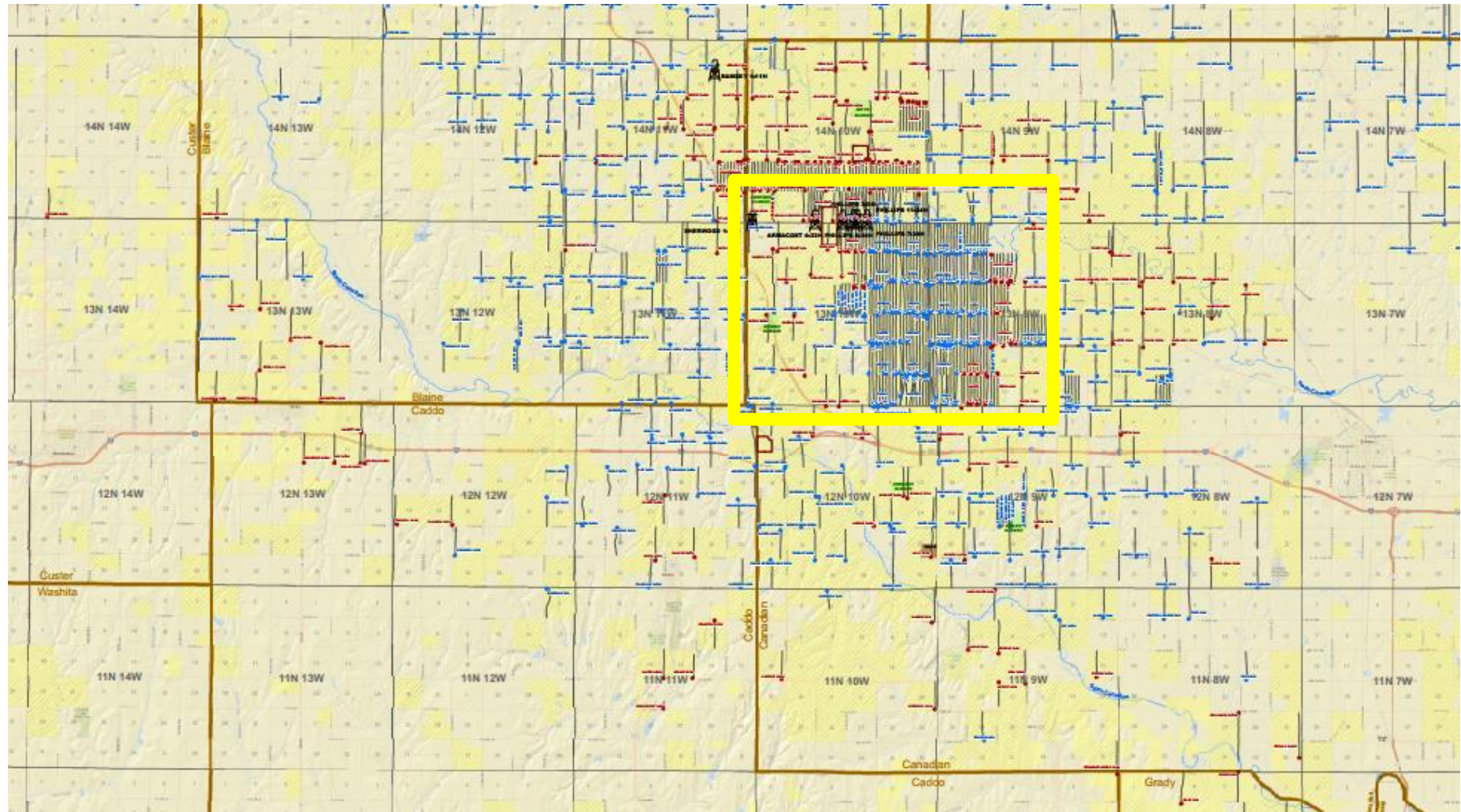


Typical Cana Well



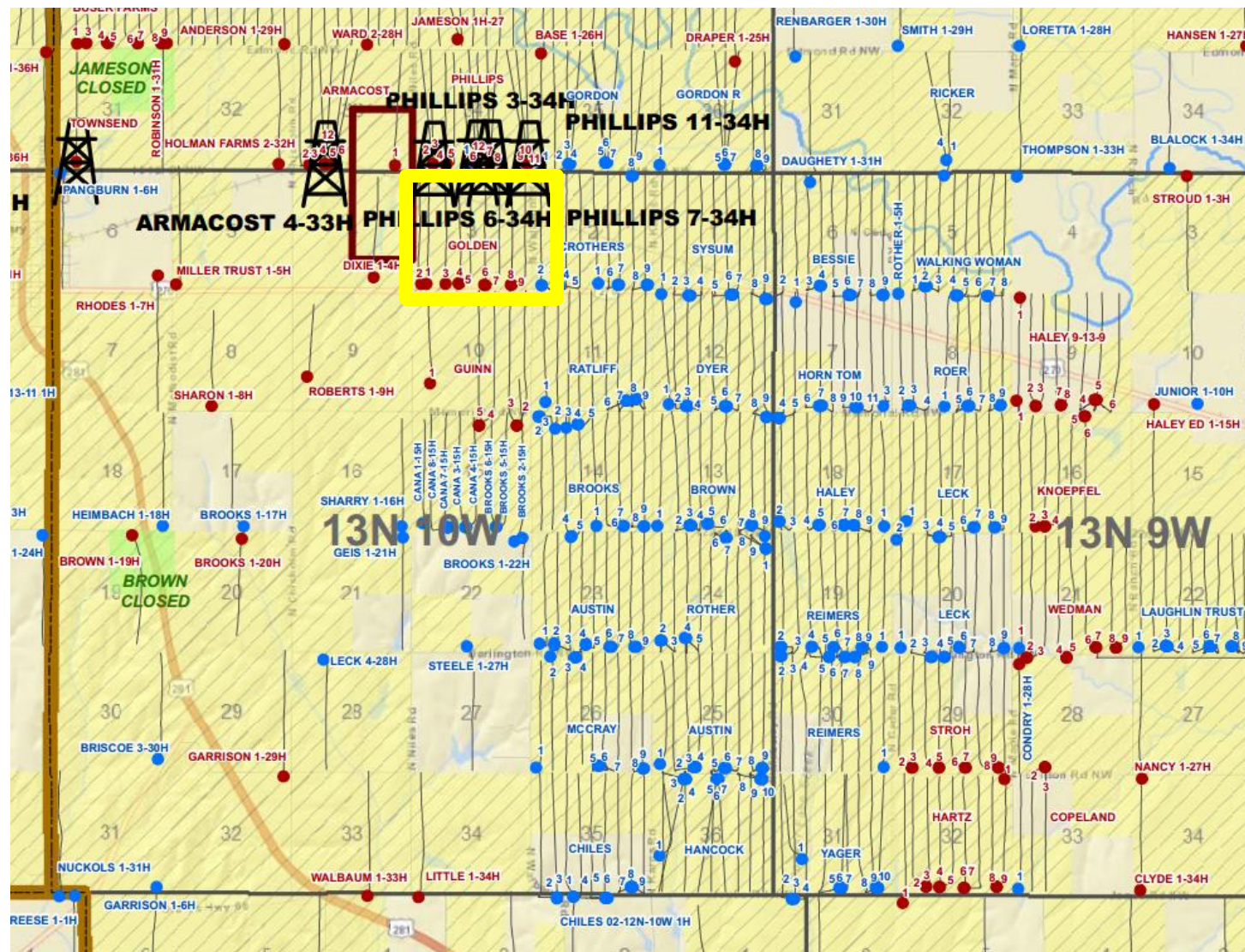


Cana Woodford Map



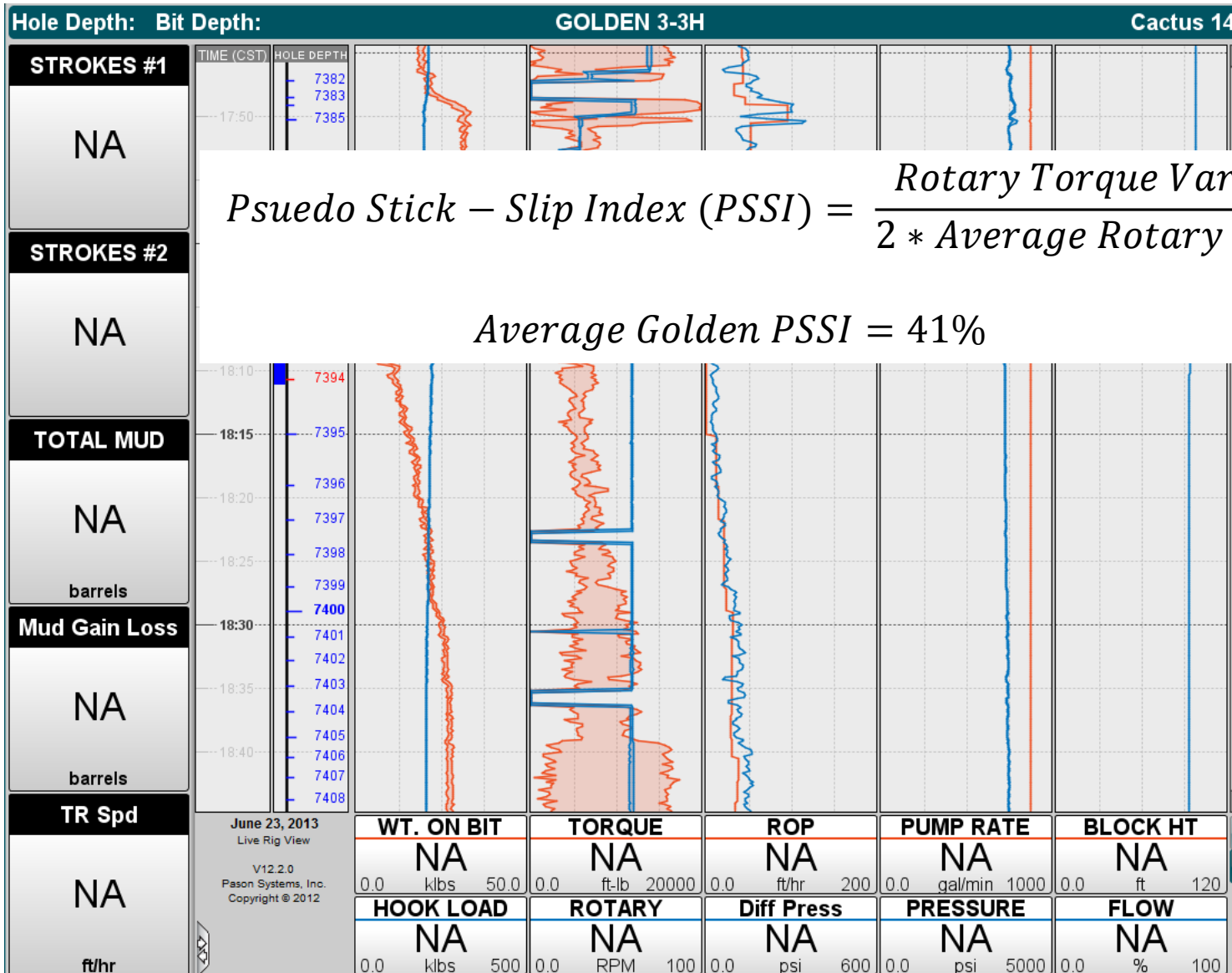


12.25" Bit performance in Golden Wells



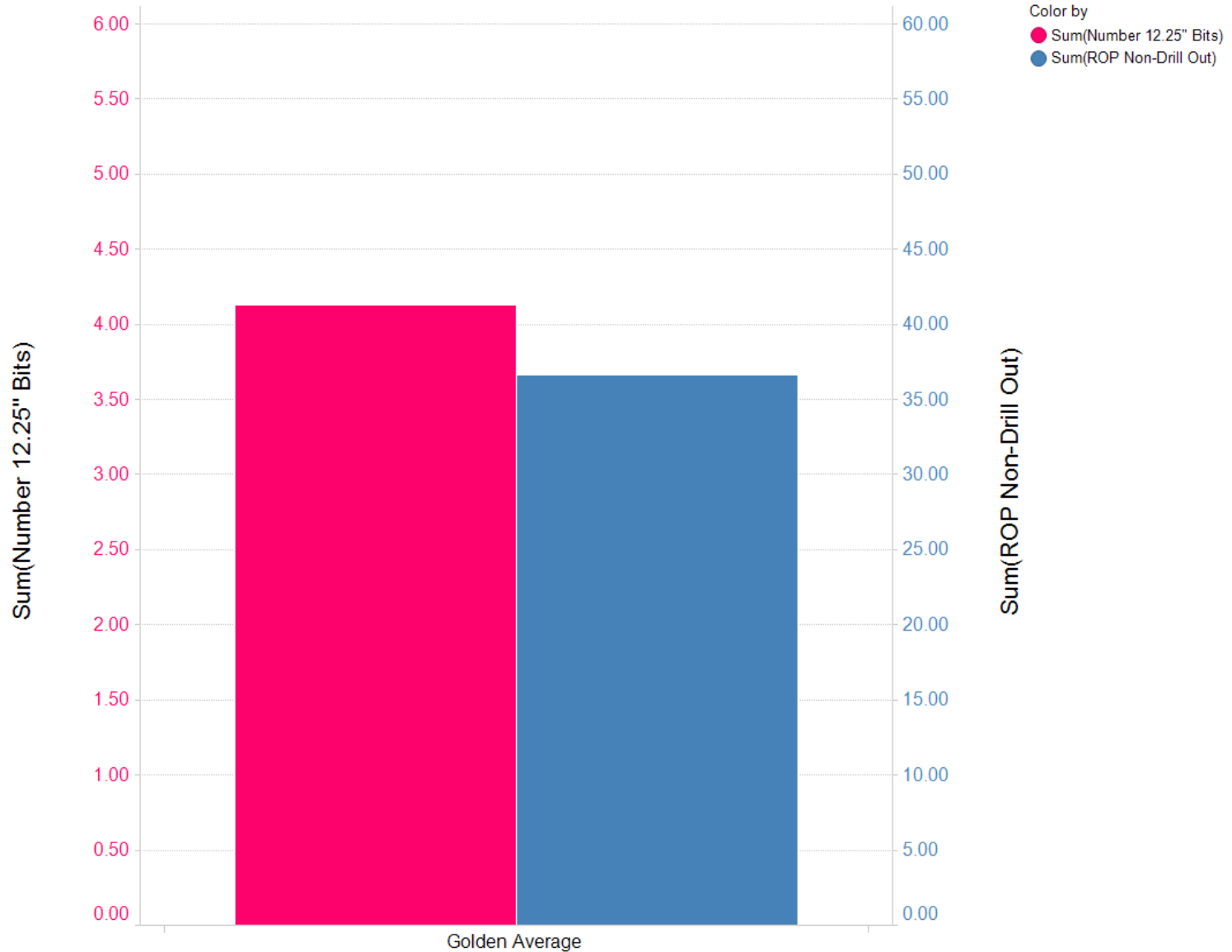


12.25" Bit performance in Golden Wells



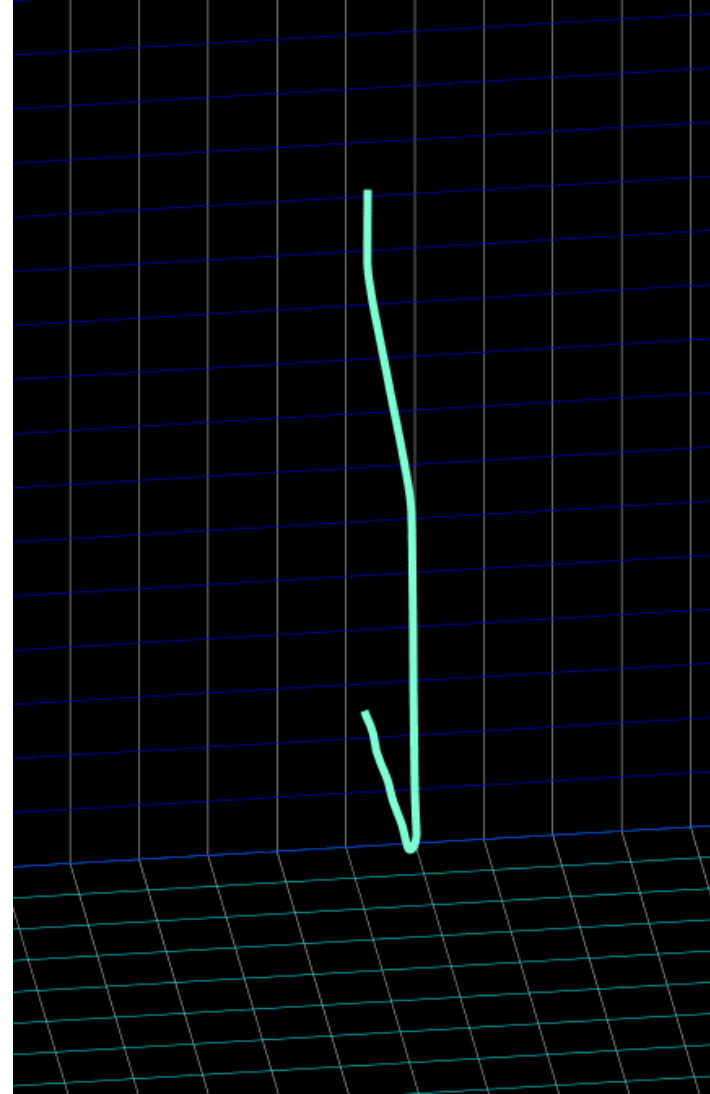
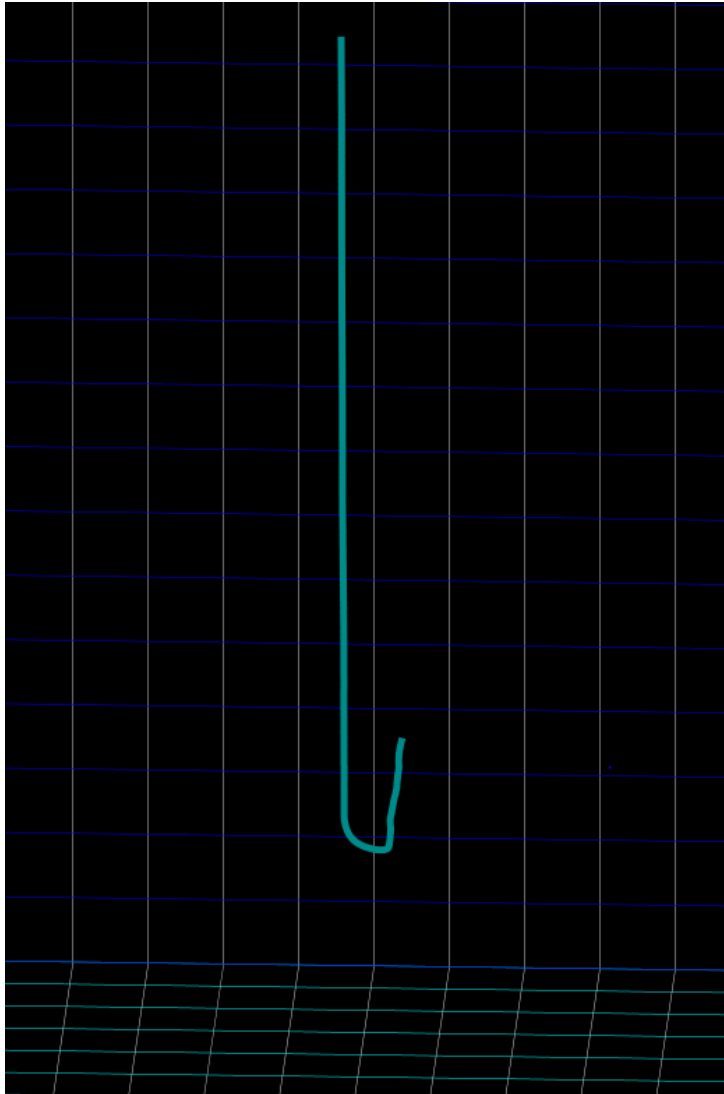


12.25" Bit performance in Golden Wells



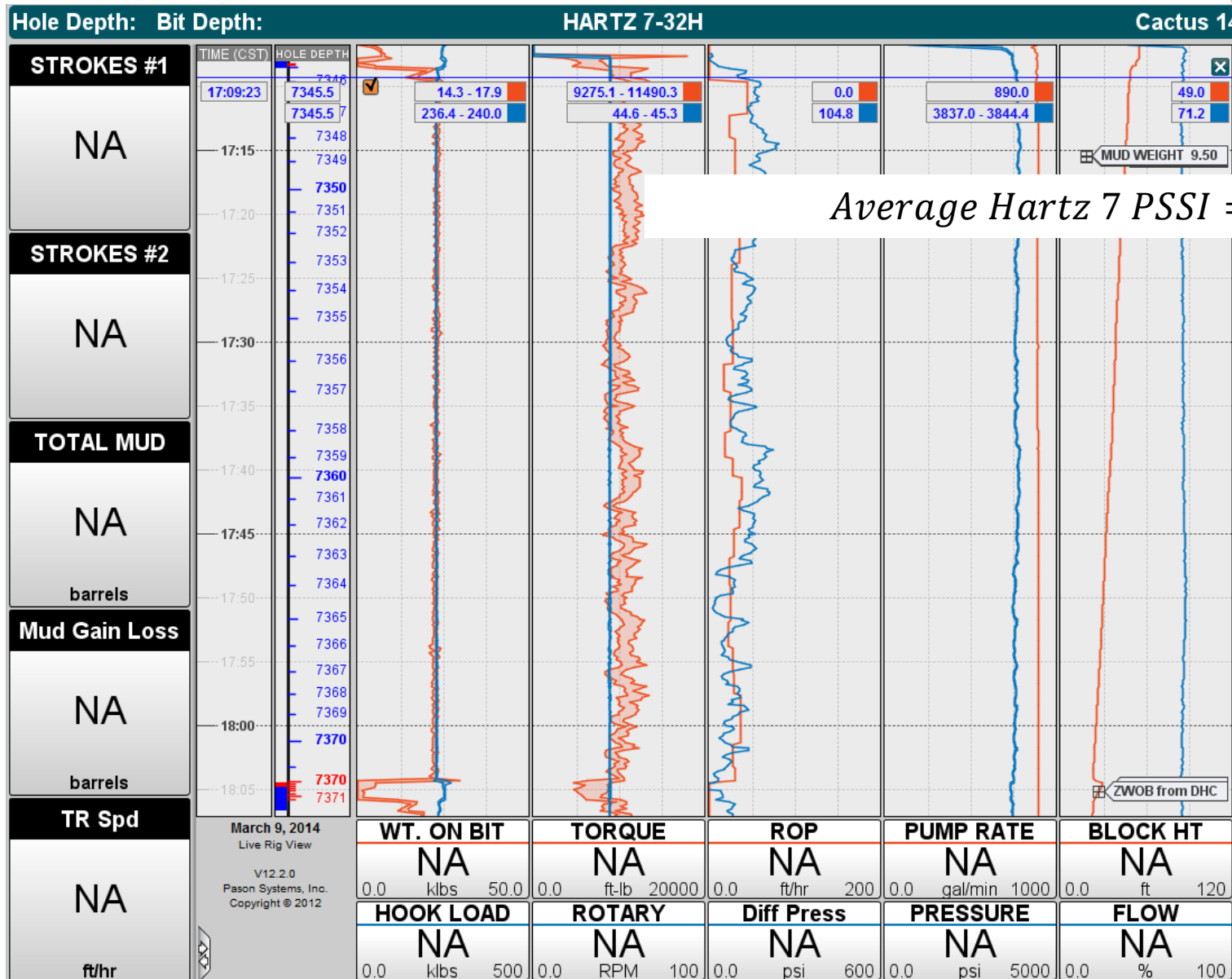


Can We Shorten Our Curve?



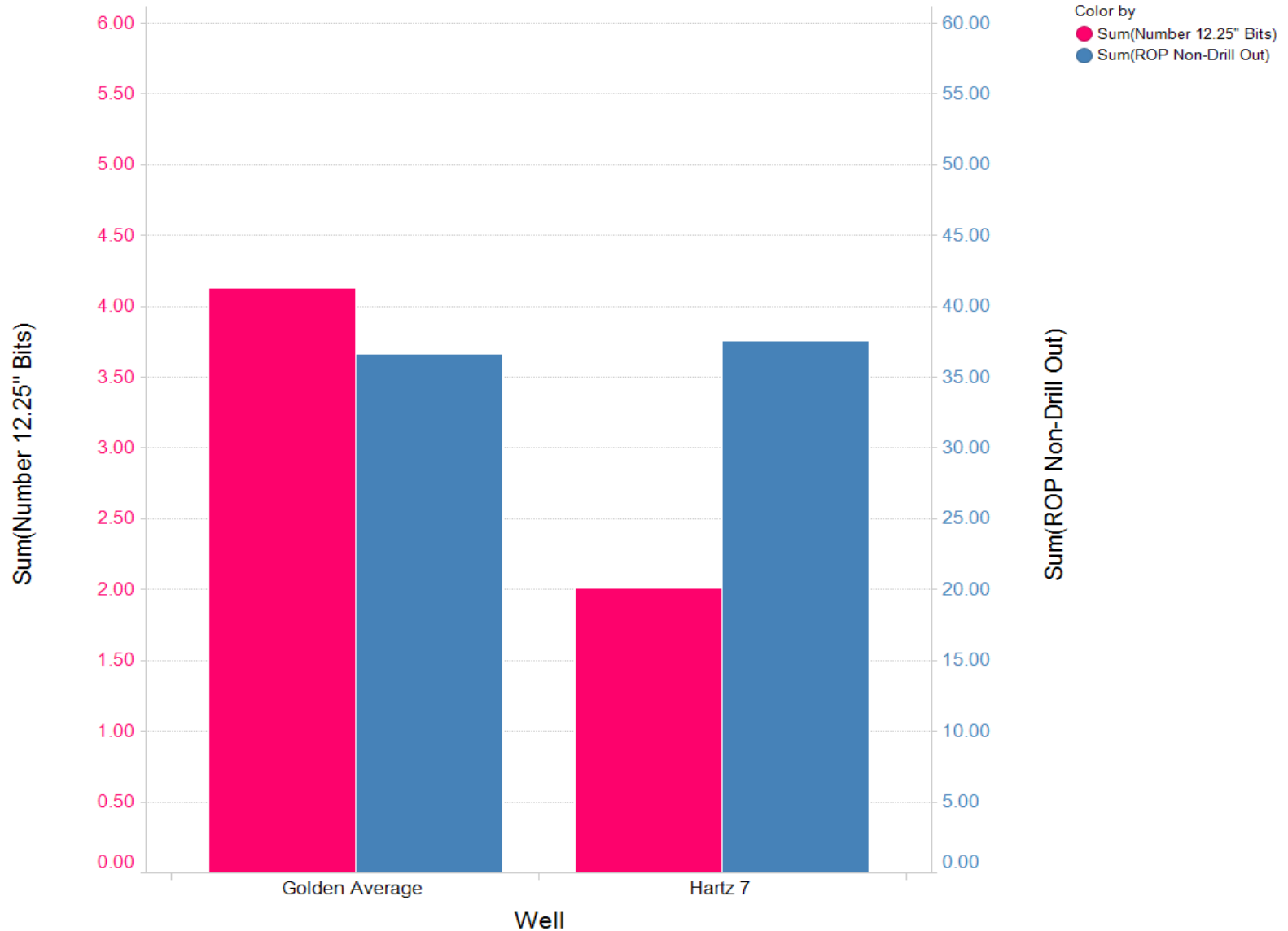


First Nudge Test



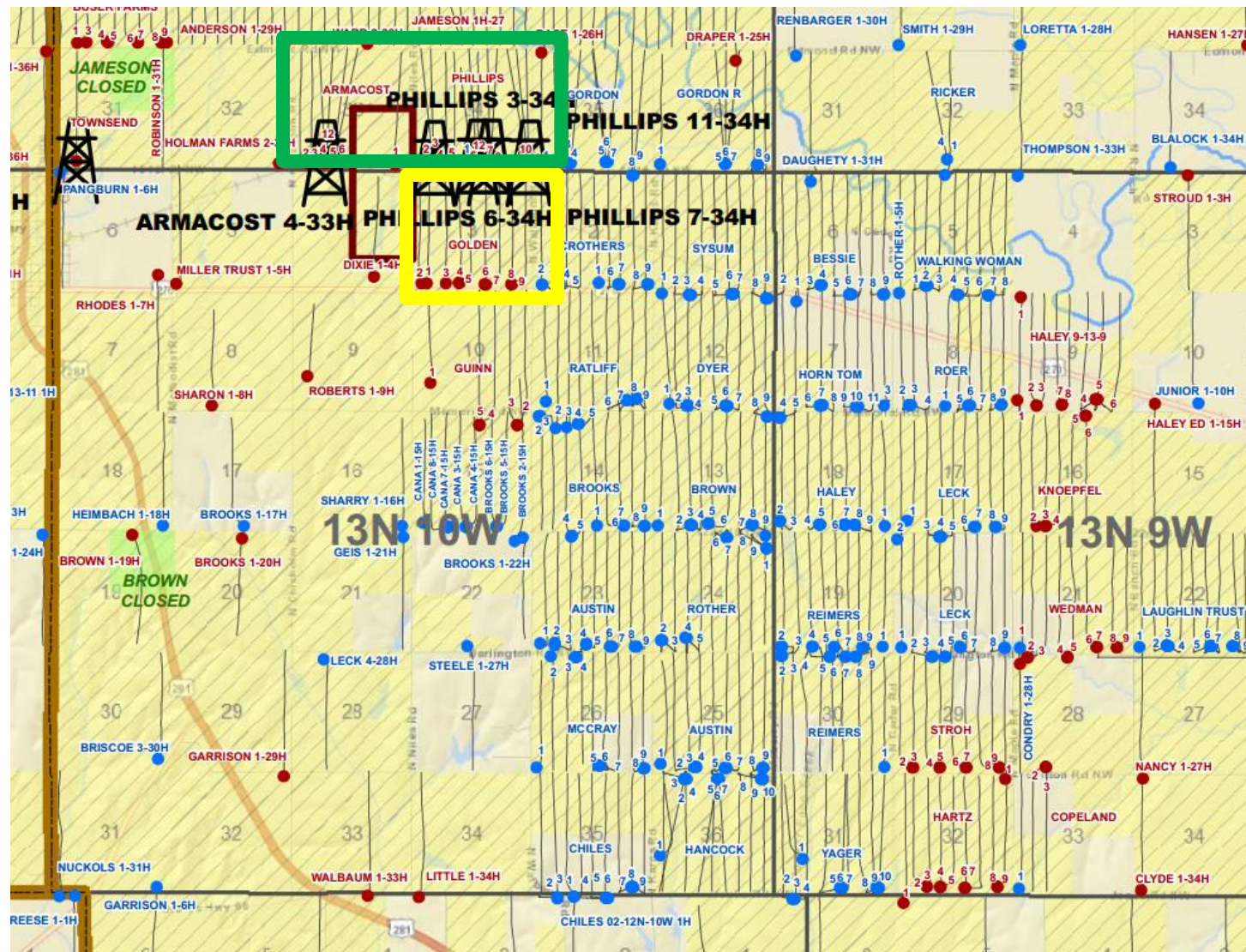


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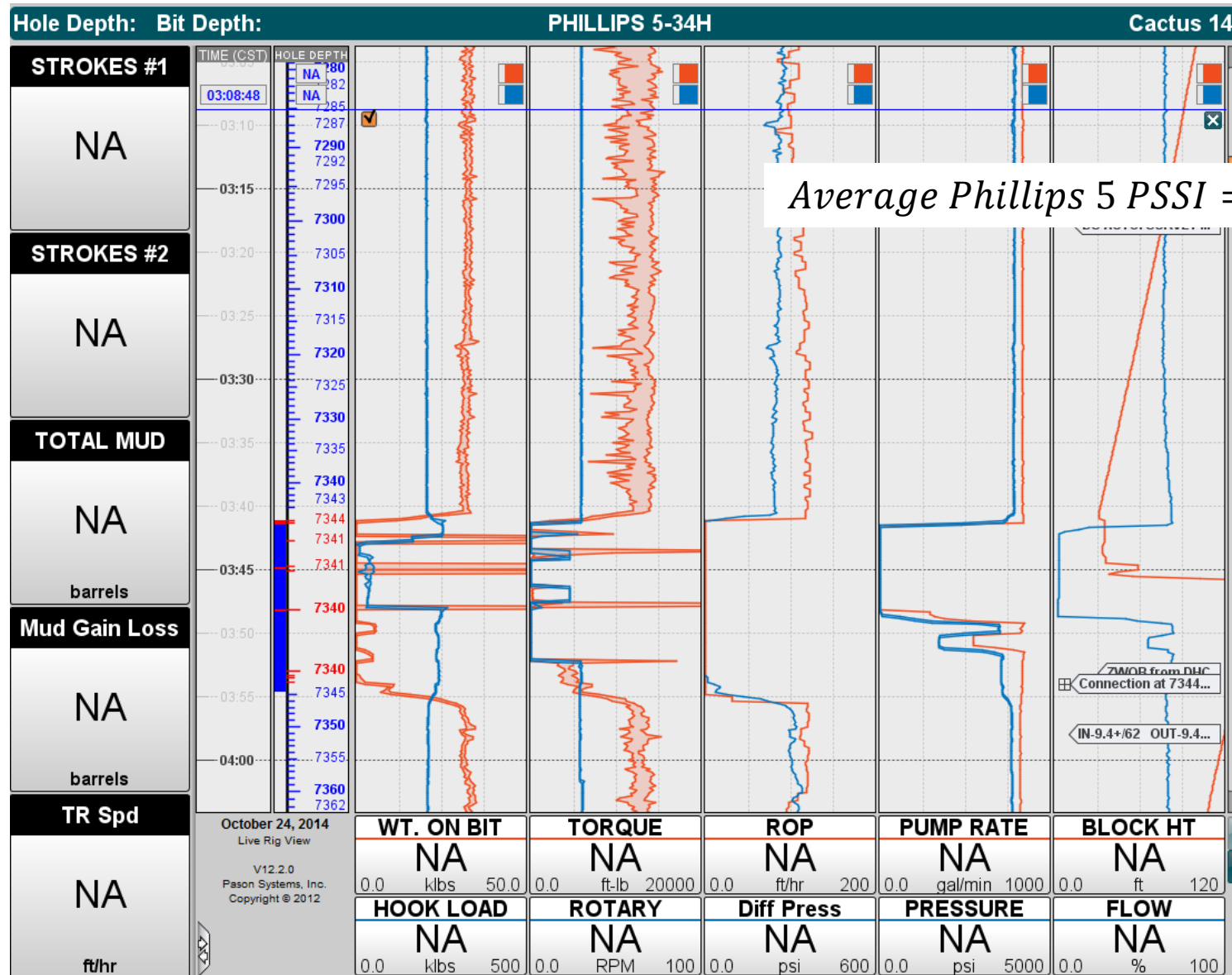


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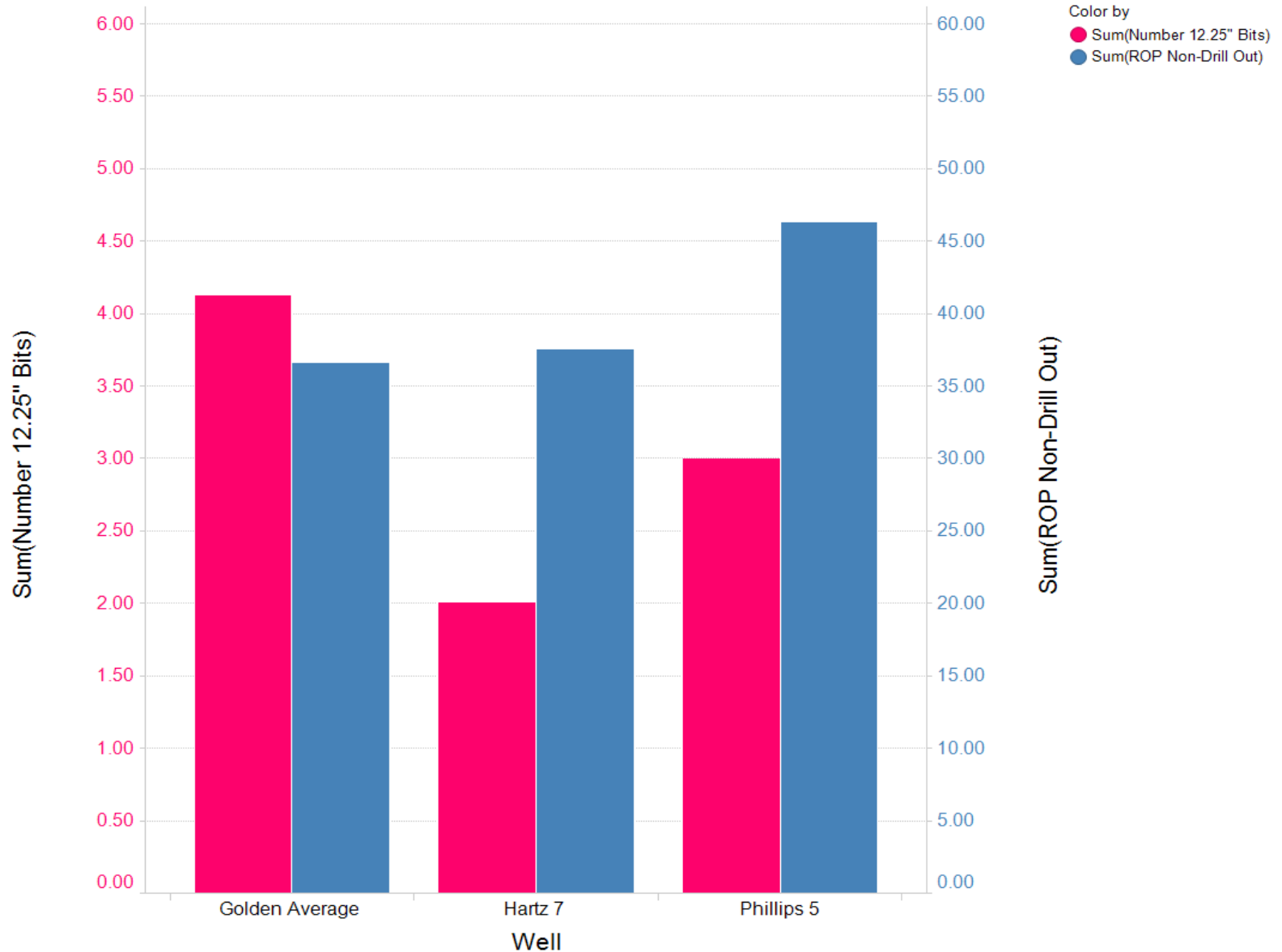


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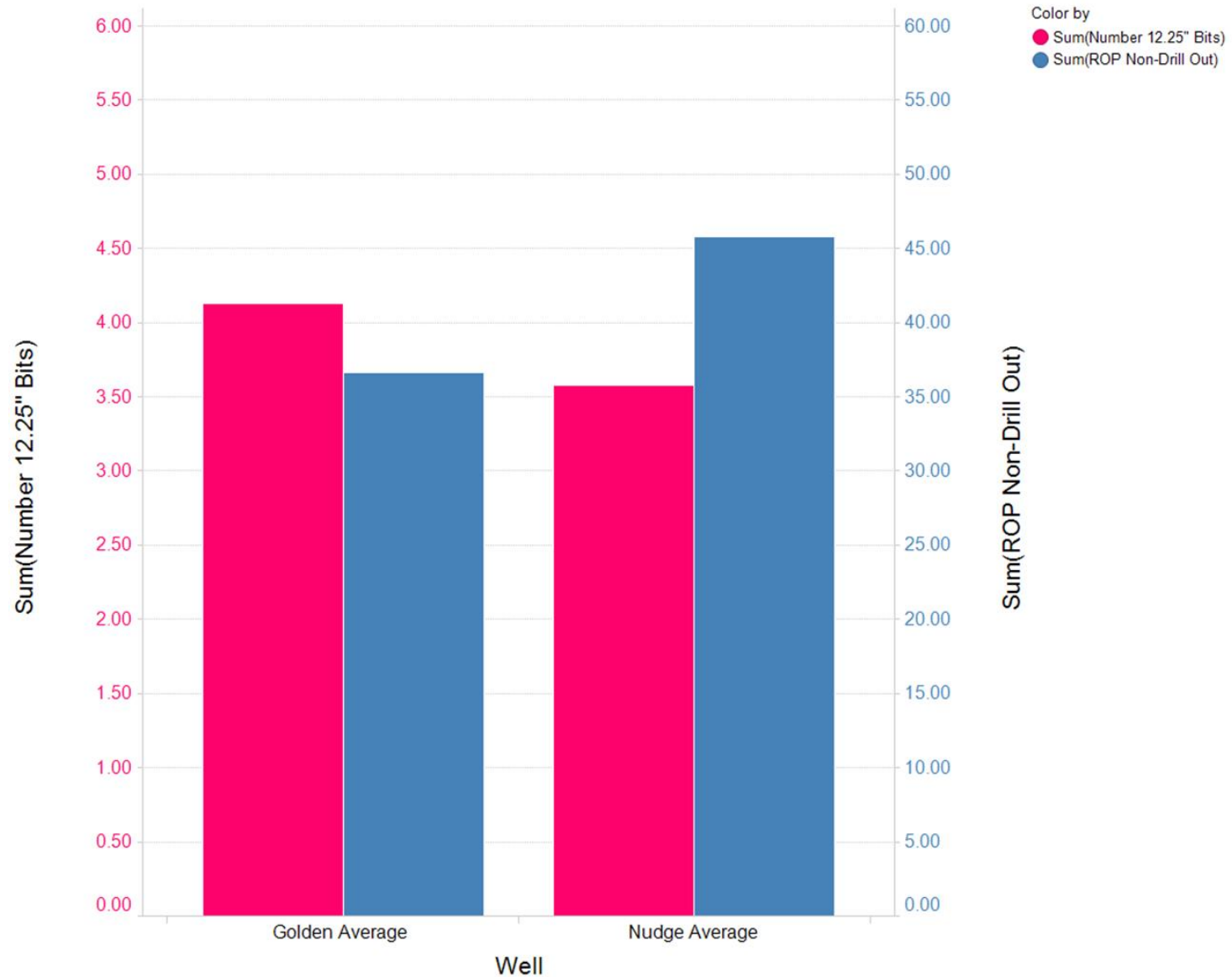


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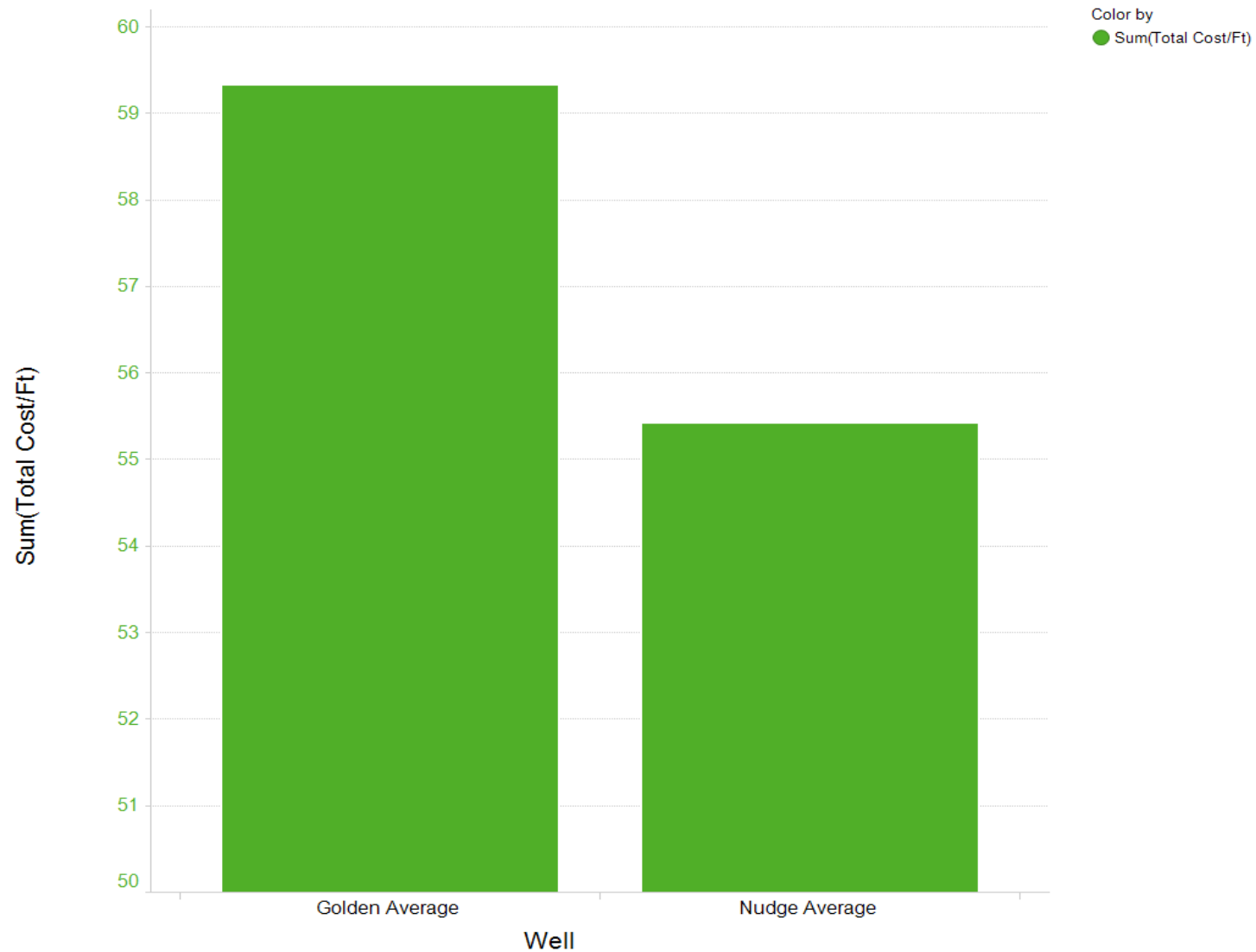


Infill Nudge Comparison





What about Total Hole Section Cost?





Wrapping It Up

- \$35,000 in 12 ¼" hole savings by drilling nudge
- \$50,000 - \$100,000 in total savings throughout the life of the well
- Continued testing going forward
 - More two mile laterals: will nudge even be possible from a Torque/Drag standpoint?
 - Are there other ways we can reduce stick-slip?