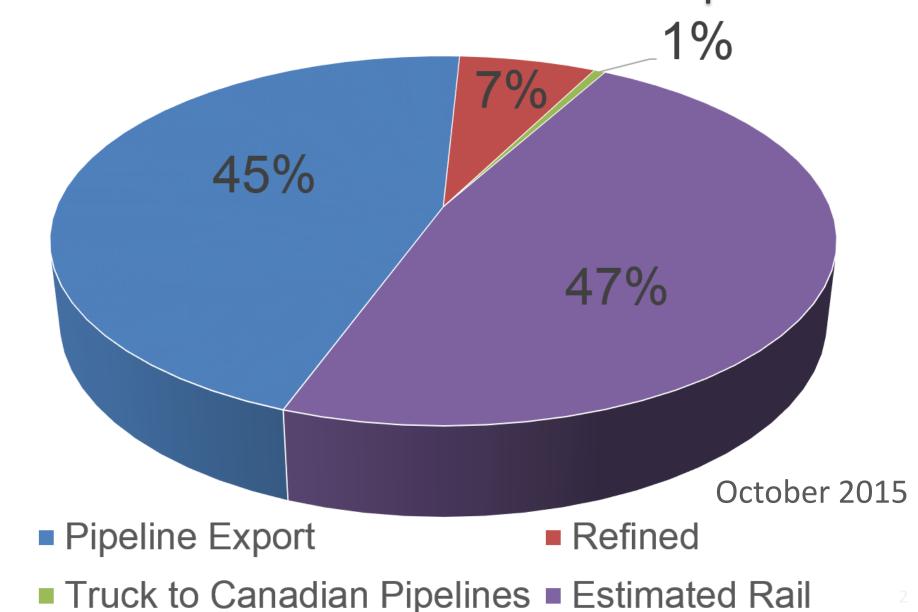


Industrial Commission Update

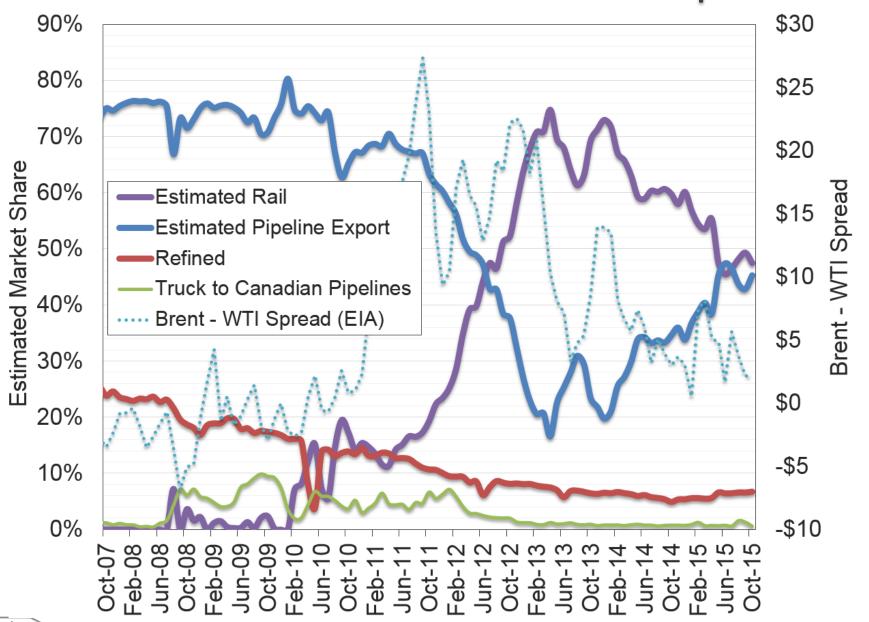
North Dakota Pipeline Authority
Justin J. Kringstad
January 11, 2016 - Bismarck, ND

Estimated Williston Basin Oil Transportation



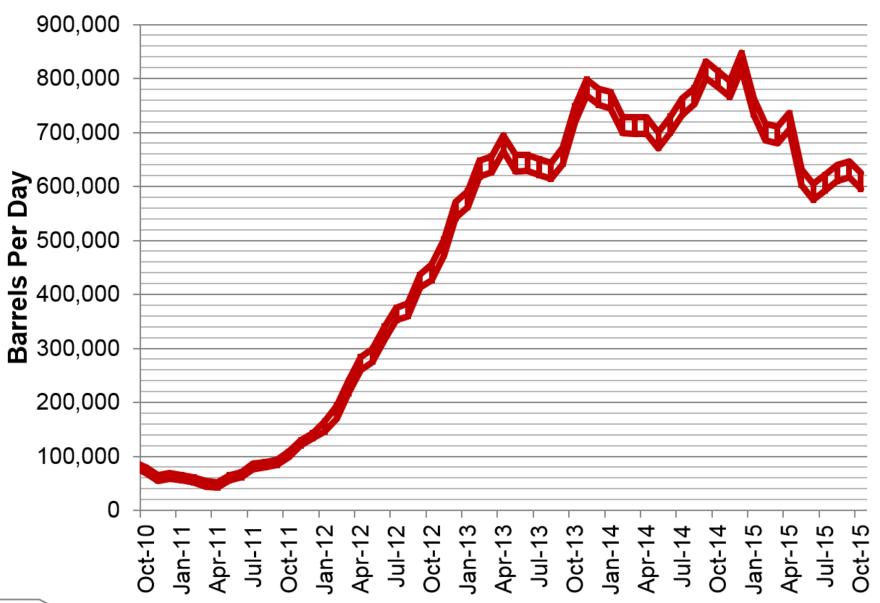


Estimated Williston Basin Oil Transportation



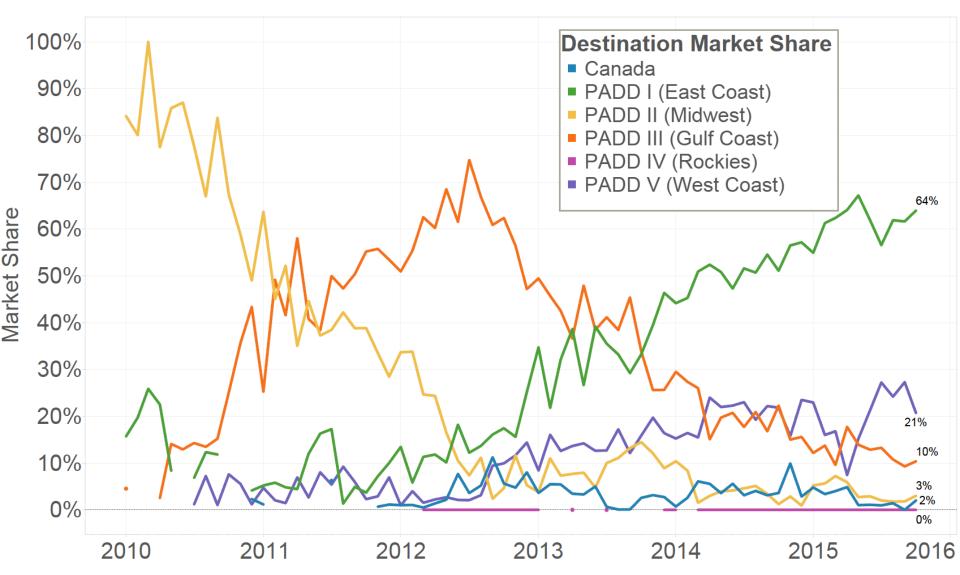


Estimated ND Rail Export Volumes





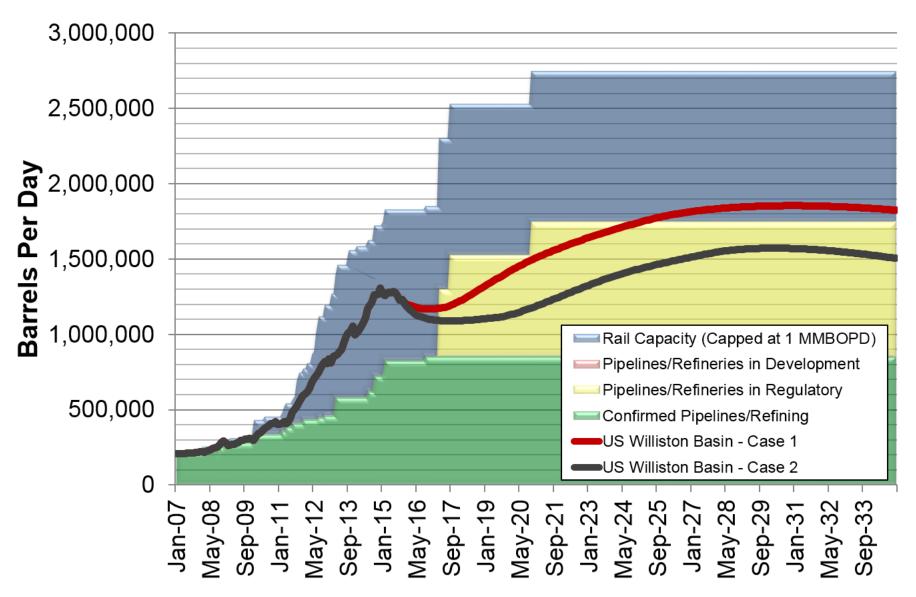
Rail Destinations Market Share (Oct 2015)







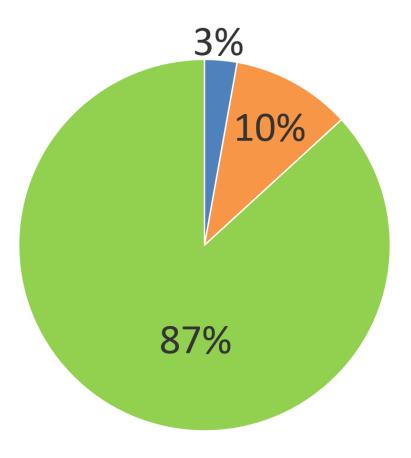
Williston Basin Oil Production & Export Capacity, BOPD



Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.



Solving the Flaring Challenge



Statewide

GREEN – % of gas captured and sold Blue – % flared from zero sales wells Orange – % flared from wells with at least one mcf sold.

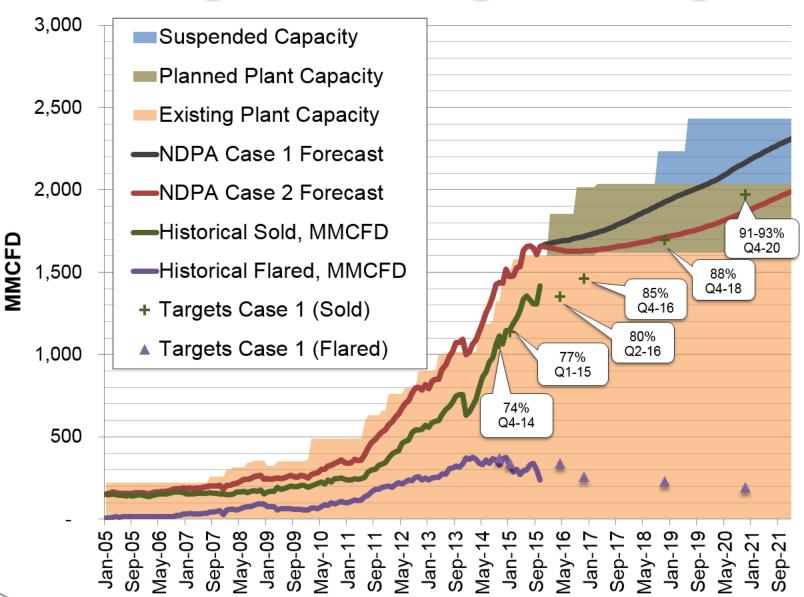
Simple Terms

Blue – Lack of pipelines

Orange – Challenges on existing infrastructure

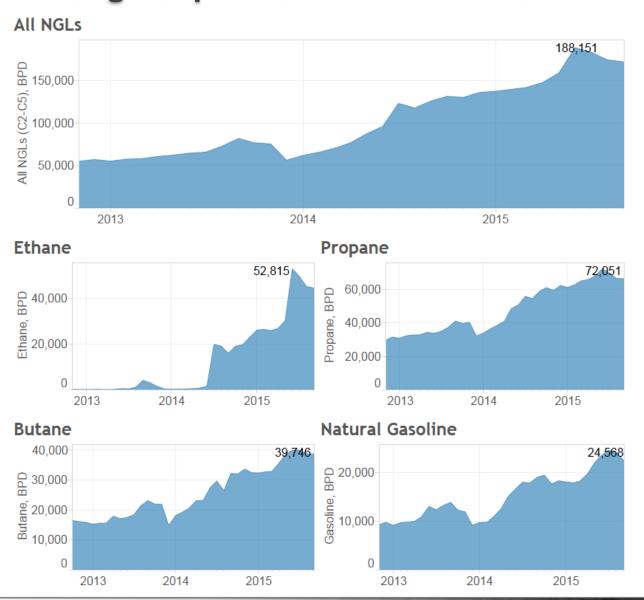
October 2015 Data - Non-Confidential Wells

Solving the Flaring Challenge



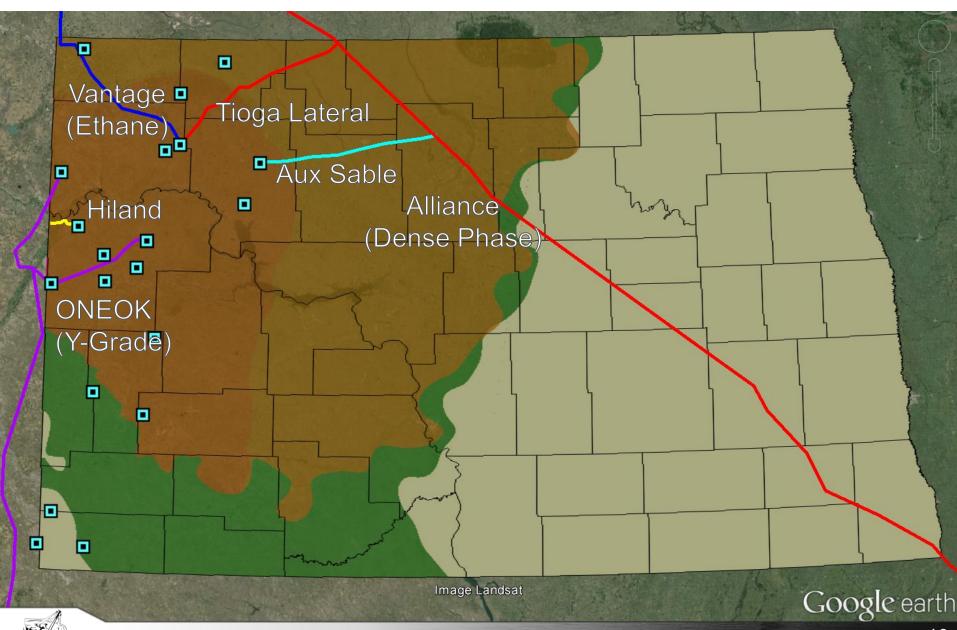


ND Gas Plant NGL Production, BPD Through Sep 2015 - Peak Values Shown





NGL Pipeline Transportation

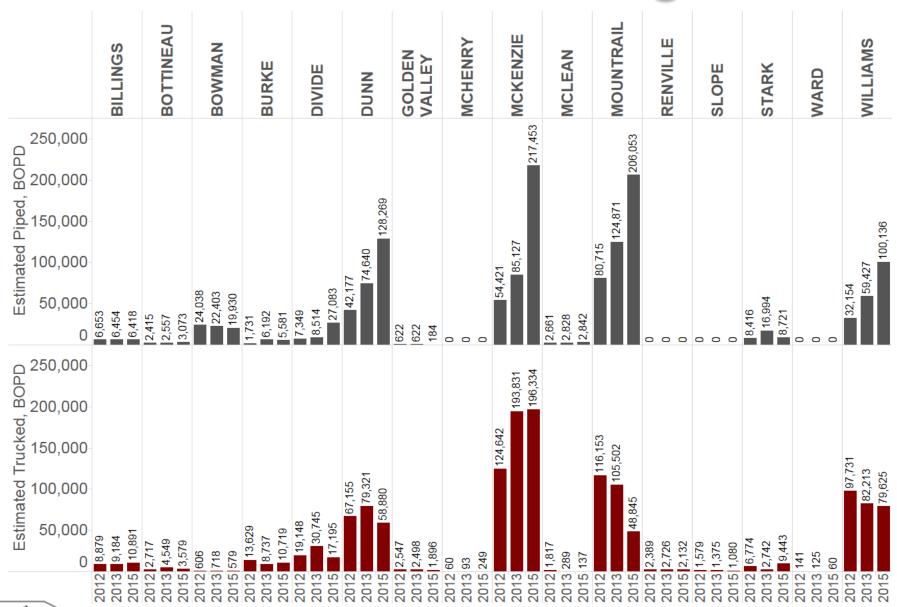


Recent Video Presentations

- Over 3,100 video downloads since Aug-15
- Major topics include:
 - Bakken economics
 - Production insight, trends, and expectations
 - Crude oil gathering

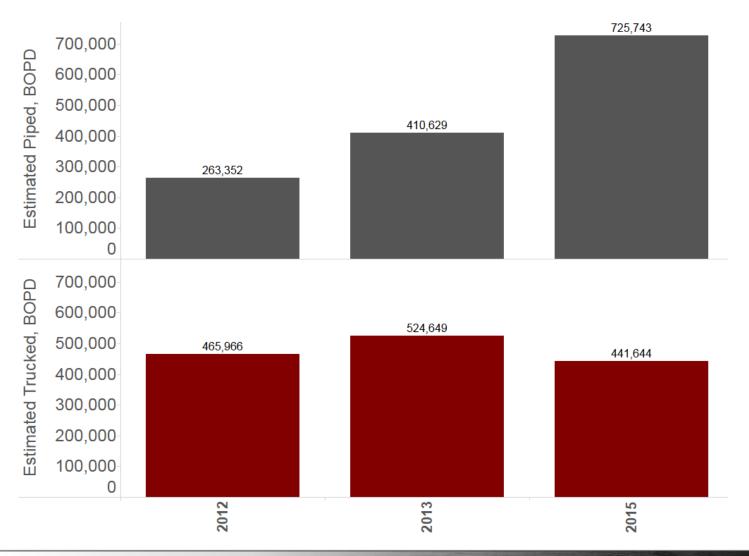
All videos available for replay online

Evolution of Oil Gathering in ND



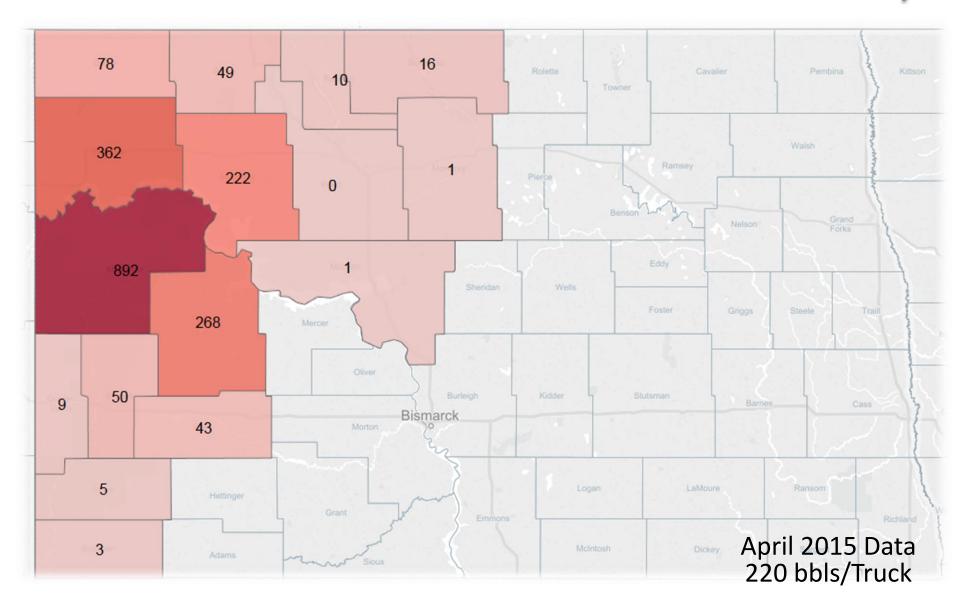


Evolution of Oil Gathering in ND Statewide Totals



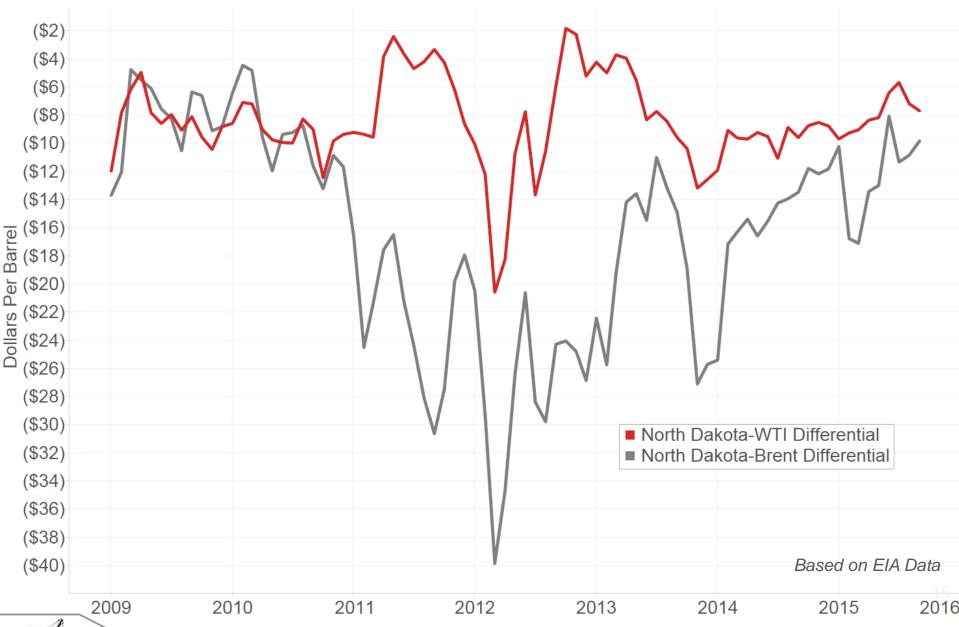


Estimated Loaded Oil Truckloads Per Day

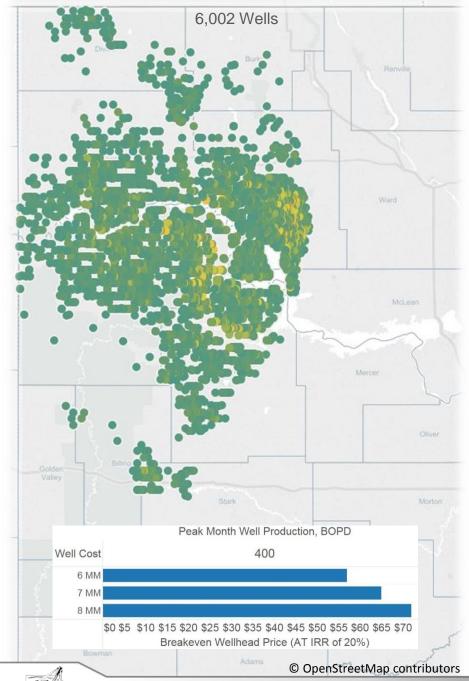




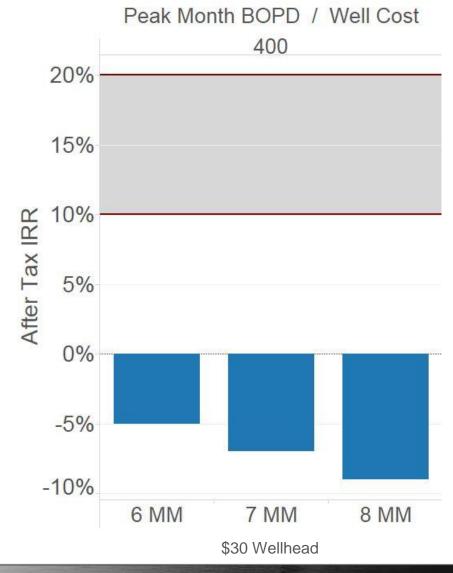
North Dakota Oil Differential

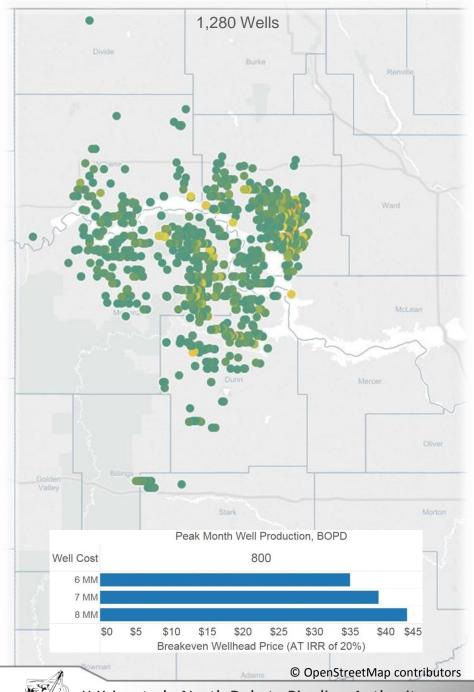




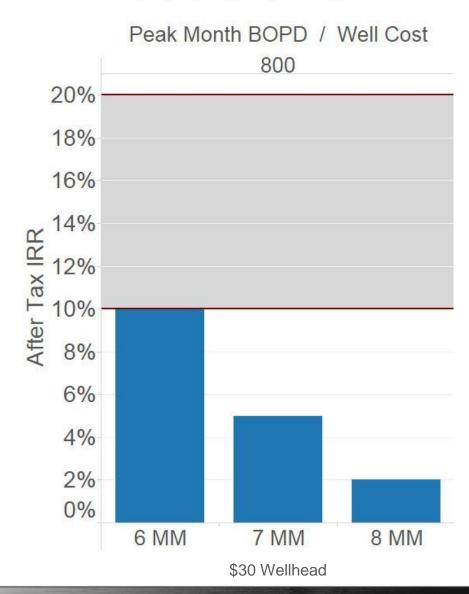


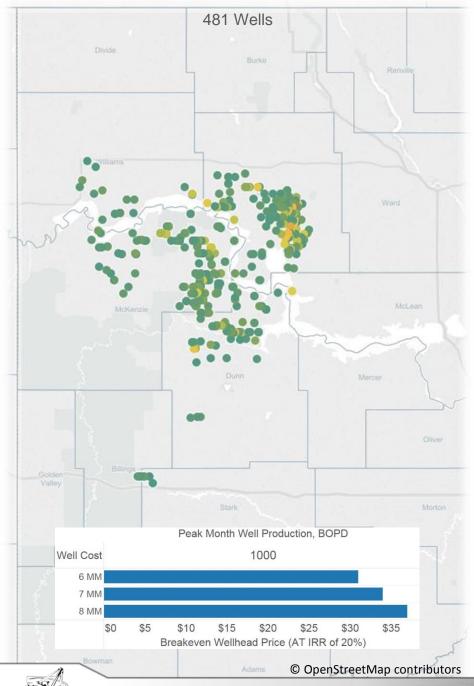
Peak Month Minimum 400 BOPD



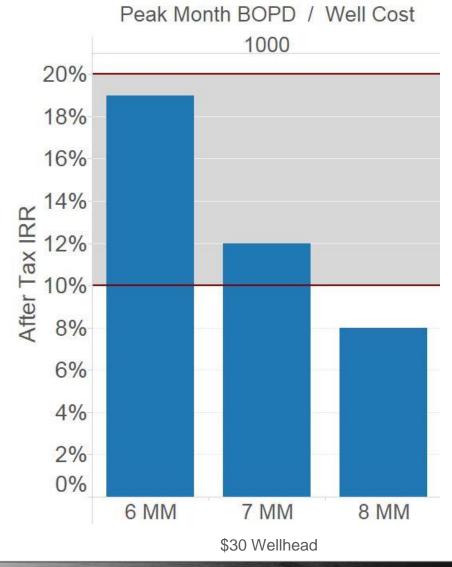


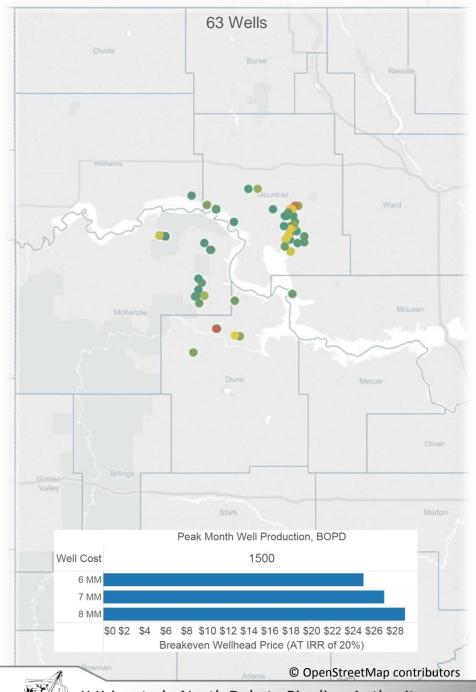
Peak Month Minimum 800 BOPD



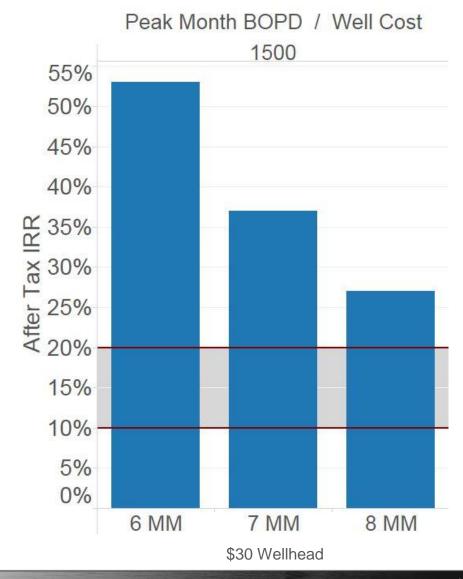


Peak Month Minimum 1,000 BOPD

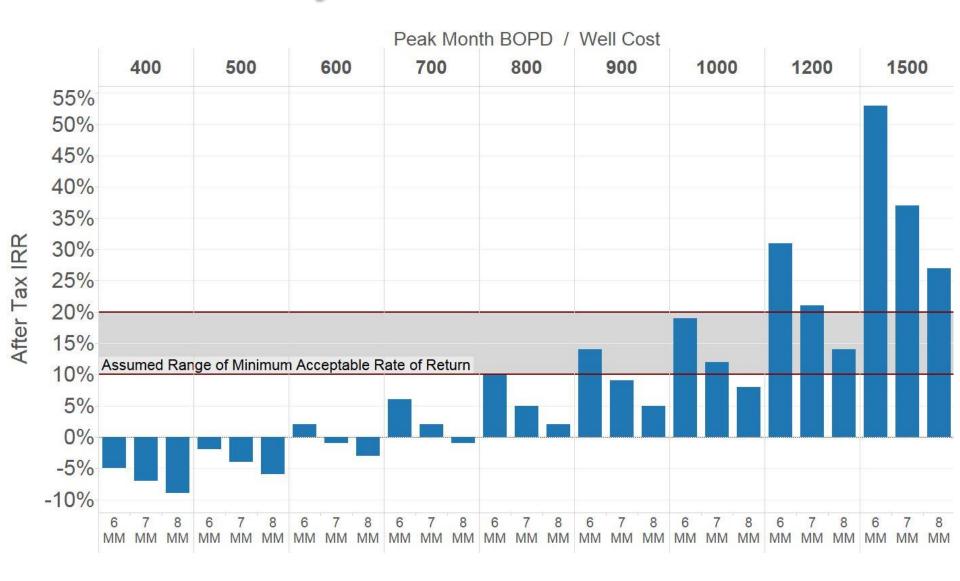




Peak Month Minimum 1,500 BOPD



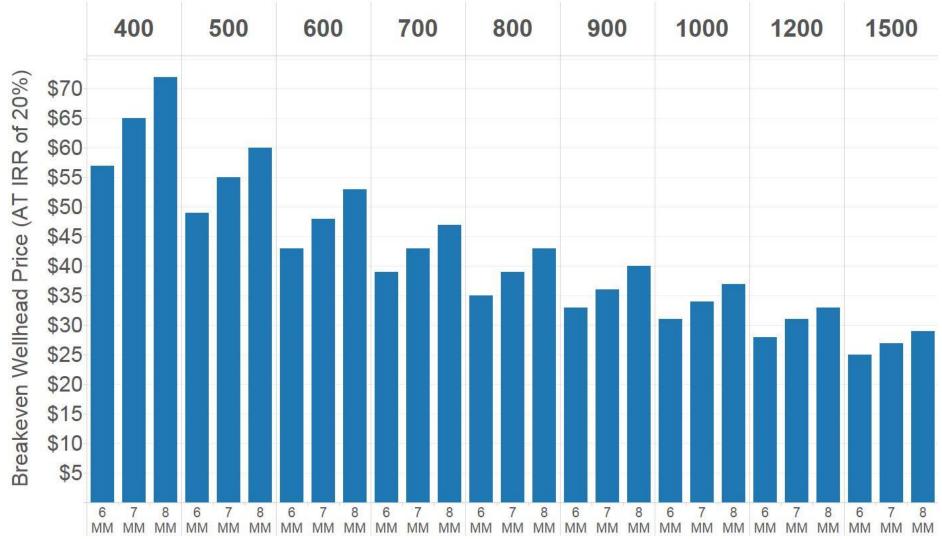
Summary of \$30 Wellhead Oil





Breakeven Summary

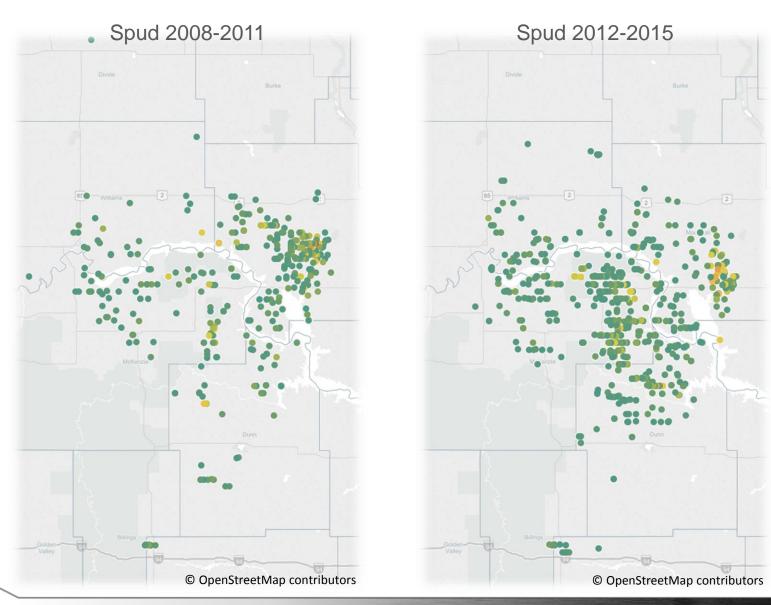
Peak Month Well Production, BOPD / Well Cost





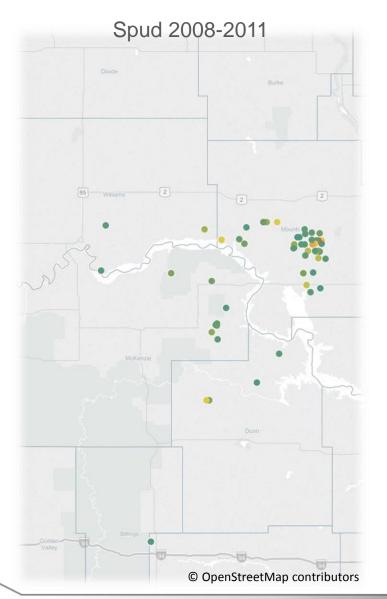
Understanding "The Core" Footprint

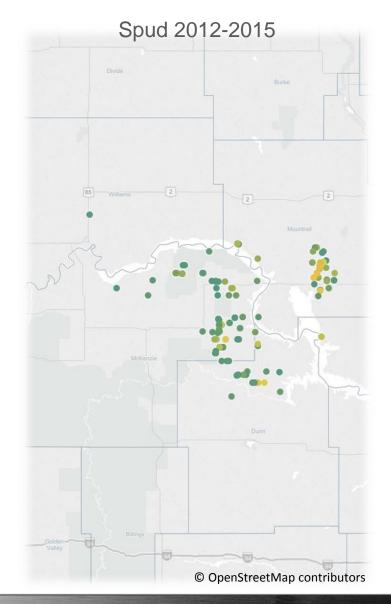
Peak Month Minimum: 800 BOPD



Understanding "The Core" Footprint

Peak Month Minimum: 1,200 BOPD





Contact Information

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E-mail: jjkringstad@ndpipelines.com



<u>www.pipeline.nd.gov</u> www.northdakotapipelines.com



