

The Dirty Little Secrets

Commodity Ties: Don't Balk at the Bakken

East Daley Vision

Drive Transparency In Energy Markets

Crude Oil, Natural Gas, and NGLs are linked together in ways in which they have never been in history. These commodities are not independent of each other.

No current market participant has ever traded or spent capital in a market like this: The US has never been the major global supplier of all three hydrocarbons.

The U.S. is unique: The U.S. has 1,000's of individual players across basins, upstream, midstream and downstream, not one state-controlled entity.

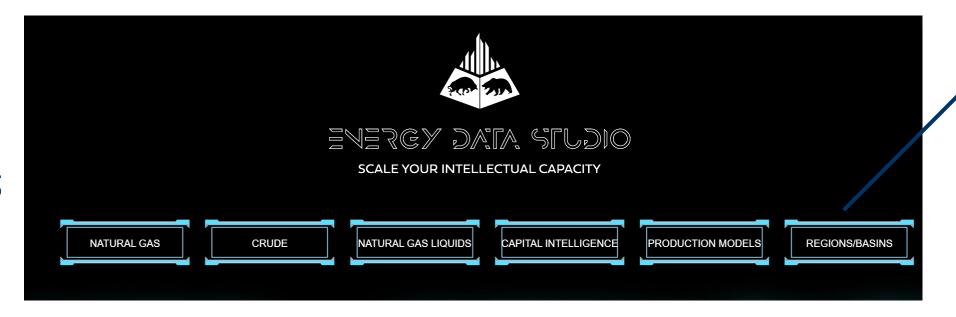
Production & Infrastructure growth will create opportunities. Each incremental molecule introduces more complexity to get to market.





- Energy Data Studio: New Basin/Region Dashboards
- US Production Outlook for 2025
- Bakken Production Outlook for 2025
- Commodity Ties: Crude infrastructure is still going to be tight
- NGL Optionality: Commodity Markets Wrong....Equity Markets Right
- The Dirty Little Secret: Upcoming Sections

Energy Data Studio – Region/Basin Option



REGIONS/BASINS

- **▼** BAKKEN
- ▼ NATURAL GAS S&D
- ▼ GATHERING AND PROCESSING

G&P Comparison Tool

G&P System Analysis

G&P System

Financials

Rig Activity Tracker

Processing Capacity

Analysis

Processing Plant Data

Producer to System

Analysis

▼ CRUDE

Crude Hub Model

Bakken - Guernsey - DJ

▼ NATURAL GAS LIQUIDS

NGL Purity Product

Production Model





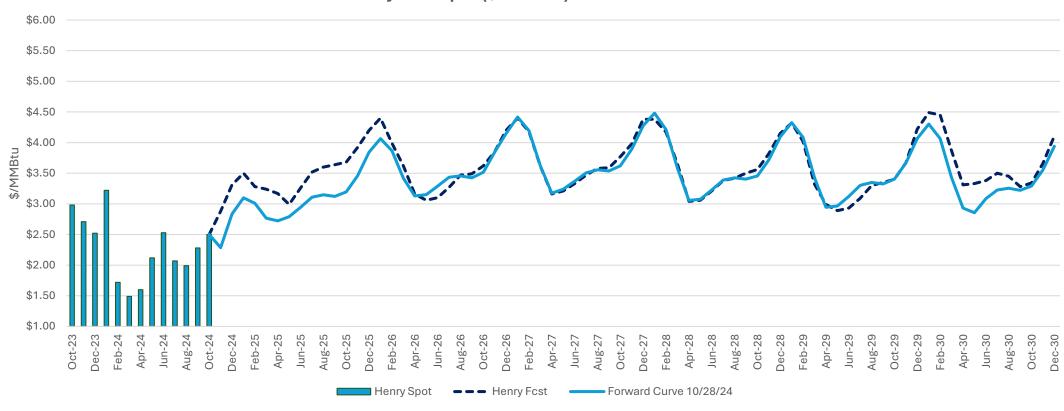


US Production Outlook



Henry Hub Spot Forecast

Henry Hub Spot (\$/MMBtu) vs Forward Curve

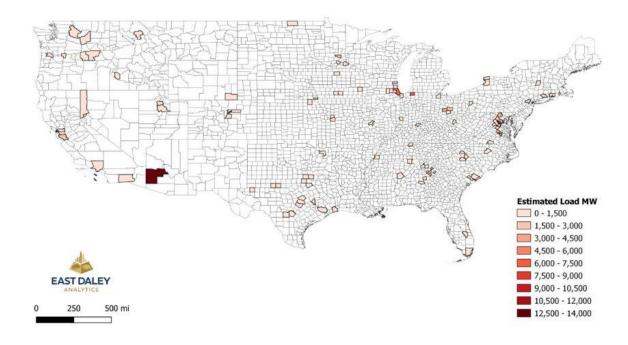


Growth Drivers

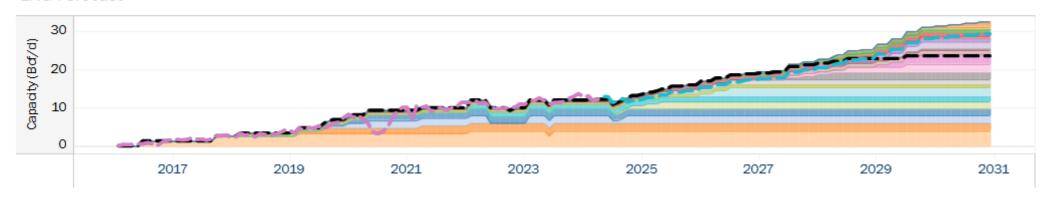
Data Centers Projects Estimated Load Heat Map

Higher demand

- LNG and Data Centers
 - Gas driven basins including ArkLaTex and Tier 2 basins like Green River, Piceance and Barnett are expected to ramp up.



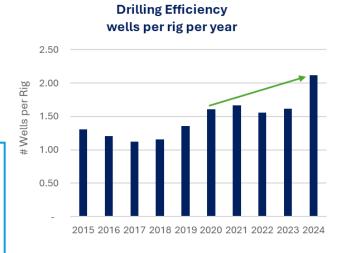
LNG Forecast

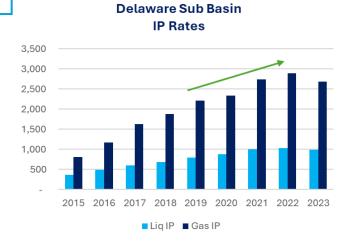


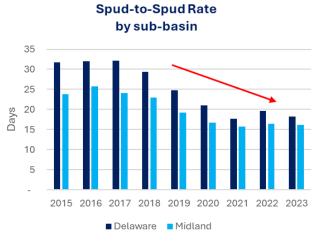
Growth Drivers

Drilling Efficiencies

- Longer Laterals
- Multi-Well Pads





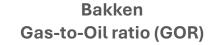


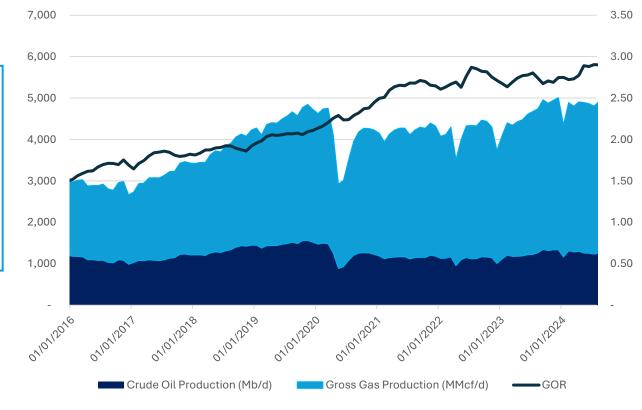


Growth Drivers

Higher GORs

- Bakken
 - Gas output tends to hold more steady than liquids as Bakken wells mature, resulting in a flatter decline curve for gas.



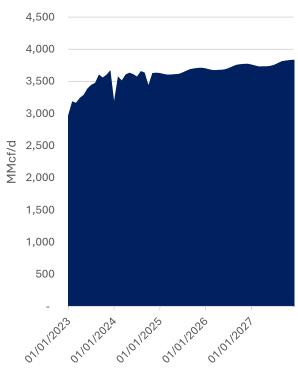


Bakken Production



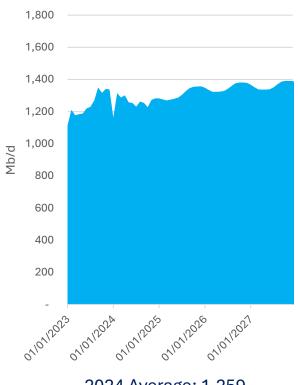
2025 Bakken Outlook

Gross Gas Production (MMcf/d)



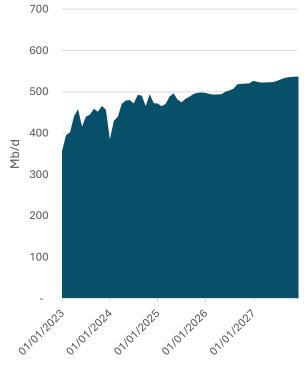
2024 Average: 3,562 2025 Average: 3,653

Crude Oil Production (Mb/d)



2024 Average: 1,259 2025 Average: 1,310

Natural Gas Liquids Production (Mb/d)



2024 Average: 470 2025 Average: 500

Average growth across commodities of 3.6%

Producer Guidance



Chord Energy (+ Enerplus):

- 3-mile laterals improving returns, upside with 4-mile laterals
- Lowering downtime, improving base performance



Hess Midstream (+ Chevron):

• Annualized growth in gas volumes of ~10% from 2024 through 2026 and continued growth in oil volumes of ~10% in 2025 and ~5% in 2026 as implied in its already-established MVC for 2026.



Devon Energy (+ Grayson Mill):

 Raised by 3% oil volume guidance for 2024, from 315 to 324 Mb/d. With the Grayson Mill acquisition expect total volumes to be ~380 Mb/d

CHRD, HESM, DVN account for 44% of the total Bakken production

The outlook upside

Increased Gas IP rates

 With an increase in drilling technologies efficiencies, we could start seeing higher initial production on new wells.

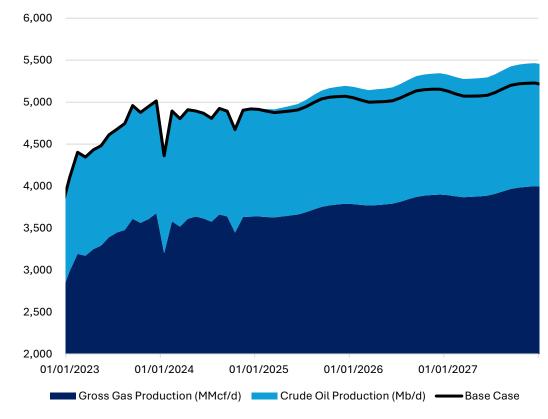
Increased GOR

 GOR typically increases due to declining reservoir pressure and the production of oil and natural gas

Market Dynamic

With opening markets like the West
 Coast via the Bison Express reversal
 and in addition to premium/ favorable
 prices we could see an incentive for
 additional production

Bakken Production Upside Case: 10% rig increase



The outlook downside

Lower Rig Count

- M&A
- WTI price drop
 - Low risk as main operators on the basin are hedged
 - Commodities are interconnected, not only drilling for one

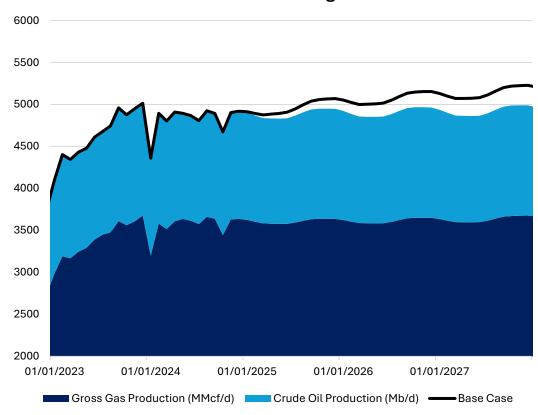
Weather Hazards

- Freeze-offs: longer winters
- Fires: warmer and drier summer

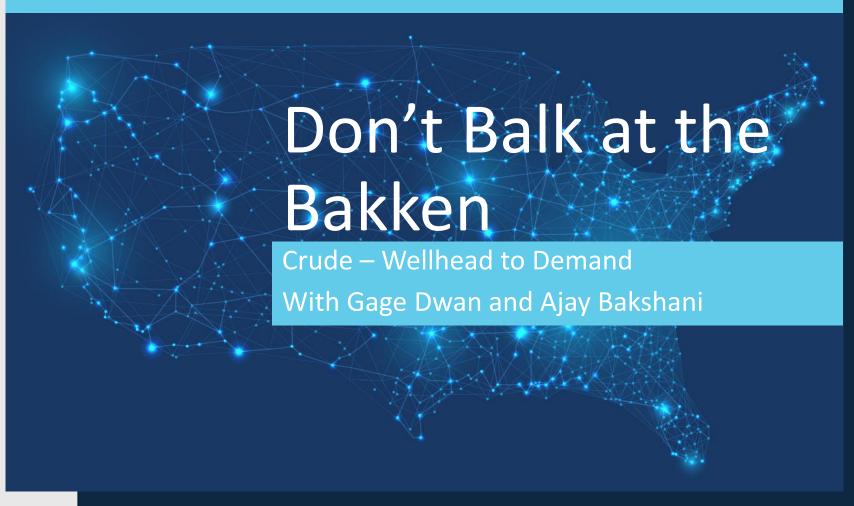
Pipeline Maintenance

 Egress constraints could lead to lower production

Bakken Production Downside Case: 10% rig decrease







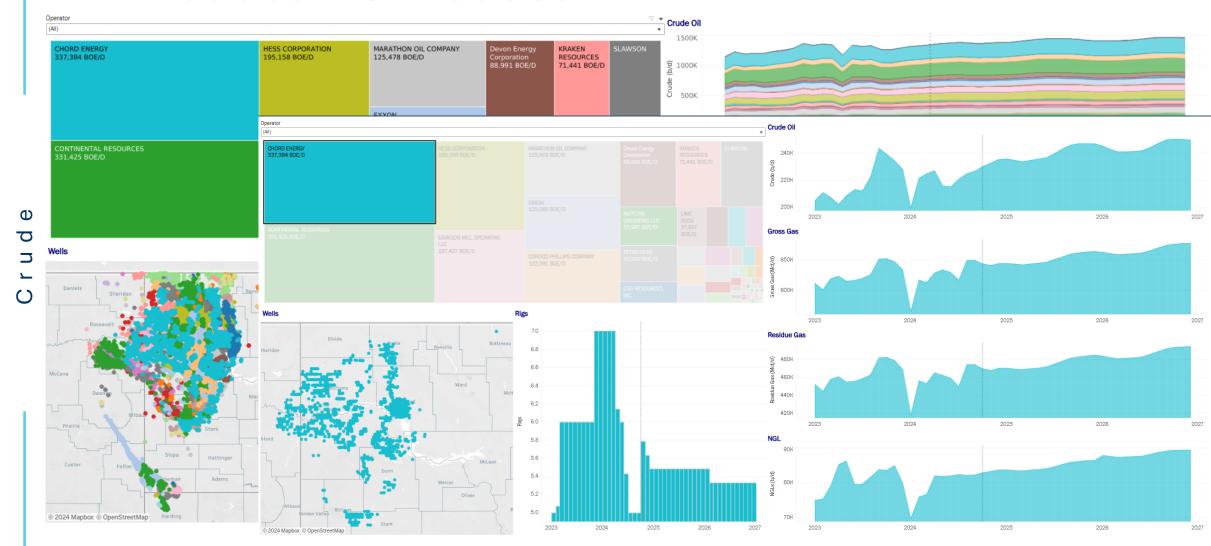




Bakken Crude Outlook

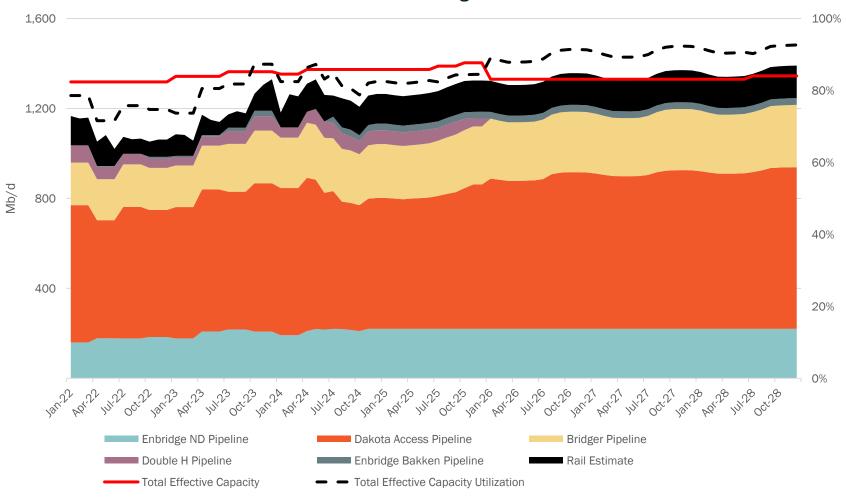


Producer vs Producer

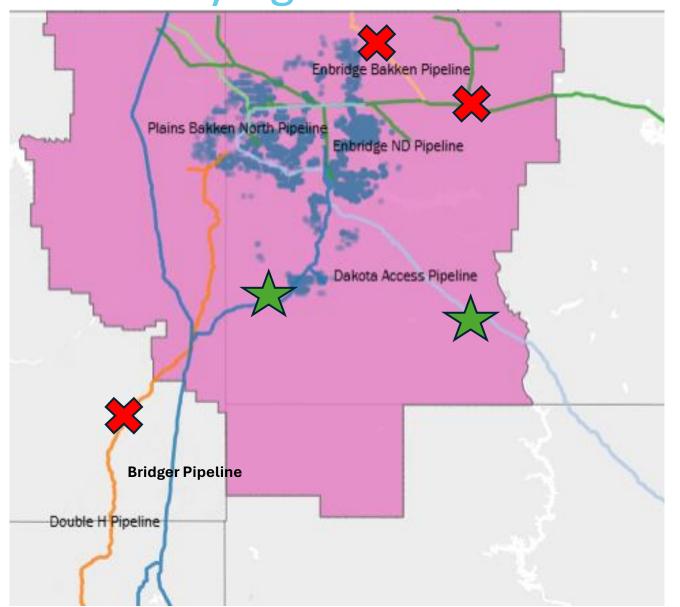


Takeaway Capacity Will Still Get Tight

Bakken Crude Egress



Jockeying for Position - Commodity



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Commodity Decision

Equity Decision



NDPL

Volume: 219 Mb/d

Capacity: 220 Mb/d



DAPL

Volume: 567 Mb/d

Capacity: 750 Mb/d



Double H

Volume: 68 Mb/d

Capacity: 88 Mb/d



Bakken Pipeline

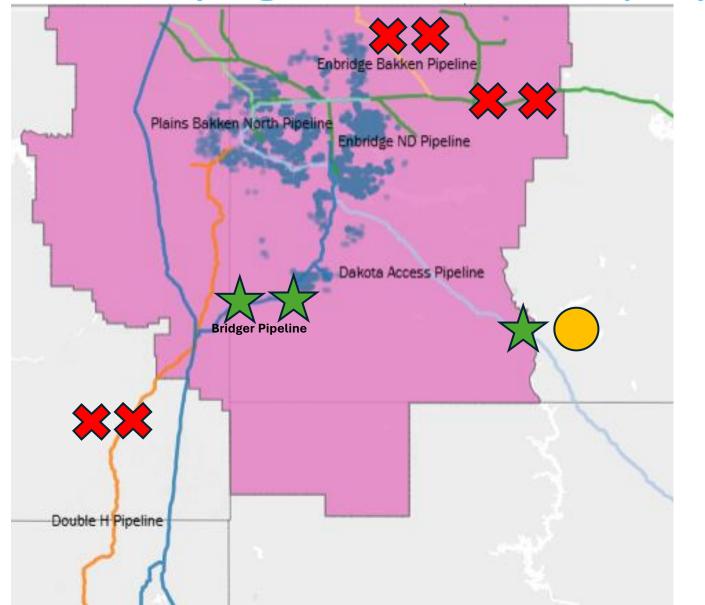
Volume: 30 Mb/d

Capacity: 149 Mb/d



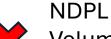
Bridger Pipeline

Volume: 245 Mb/d Capacity: 285 Mb/d Jockeying for Position - Equity

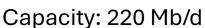


Commodity Decision

Equity Decision



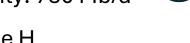
Volume: 219 Mb/d

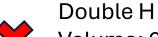




Volume: 567 Mb/d

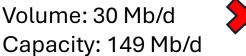
Capacity: 750 Mb/d





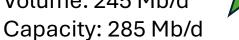
Volume: 68 Mb/d Capacity: 88 Mb/d

Bakken Pipeline Volume: 30 Mb/d





Bridger Pipeline Volume: 245 Mb/d



Weighted Average Implied Rate: \$5.59





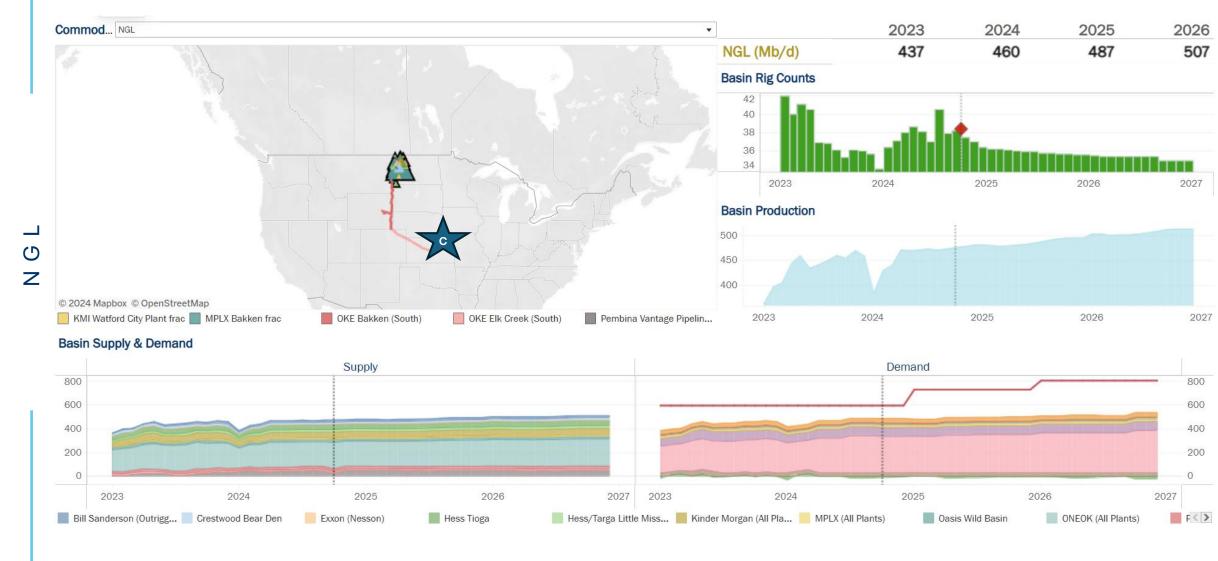












An Itch to Scratch – NGL Equity Call

Question: Why put a Medford Frac at Conway?

- 1. The economics are good, even if you're running a conservative case
- 2. Direct route to incremental demand in the Mid-Continent (instead of Conway to Belvieu as y-grade, back up to the Mid-Con as purity product)
- 3. Fractionate more NGLs in Conway, put it on Sterling which has plenty 'o capacity freeing up space for more y-grade on Arbuckle from Conway to Mt. Belvieu
- → "Accommodates volume growth from the Permian, Bakken and Mid-Continent"

Equity Picks Optionality

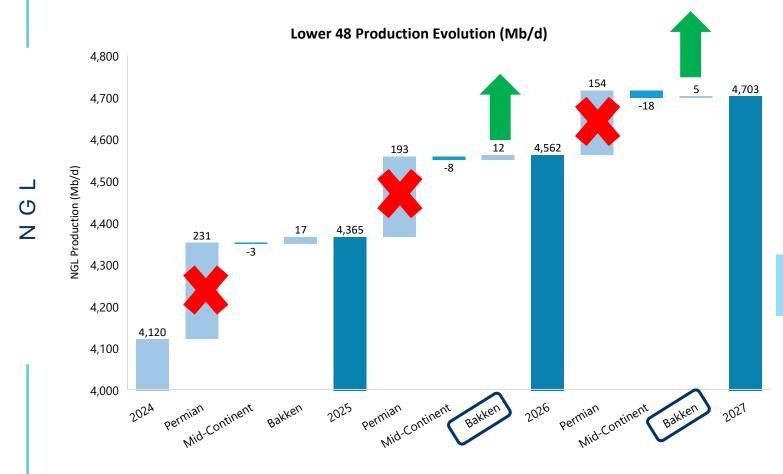


- Arbuckle is highly utilized, ~85% over the TTM 3/31/24
- Sterling is underutilized, ~36% over the TTM 3/31/24

Putting the 210 Mb/d Medford fractionator in Conway, KS allows OKE to

- make more purity product for delivery into Mt. Belvieu on Sterling
- Create needed space on Arbuckle from NGL growth in the Permian, MidCon, and the Bakken

Medford - Ethane Please

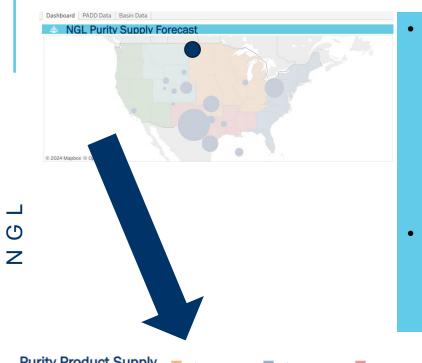


2024-2027 Growth → 582 Mb/d

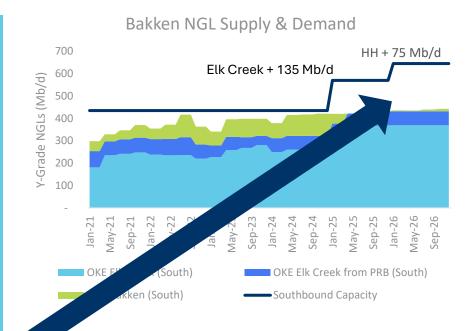
- Permian = 578 Mb/d
 - Mid-Continent = (29) Mb/d
- Bakken = 33 Mb/d

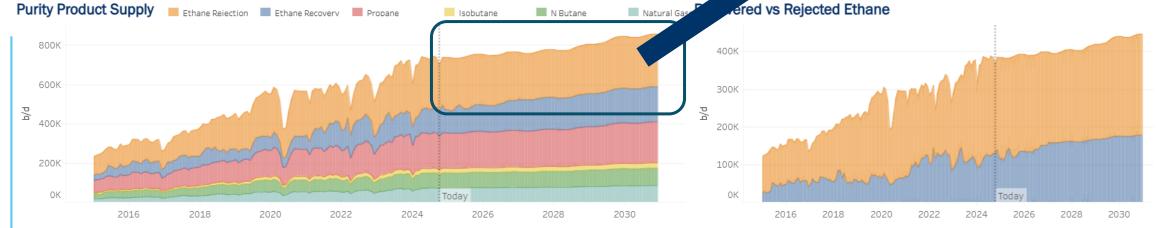
Bottom Line: Upside to EDA's Bakken NGL forecast

Reject or Recover – What's the price

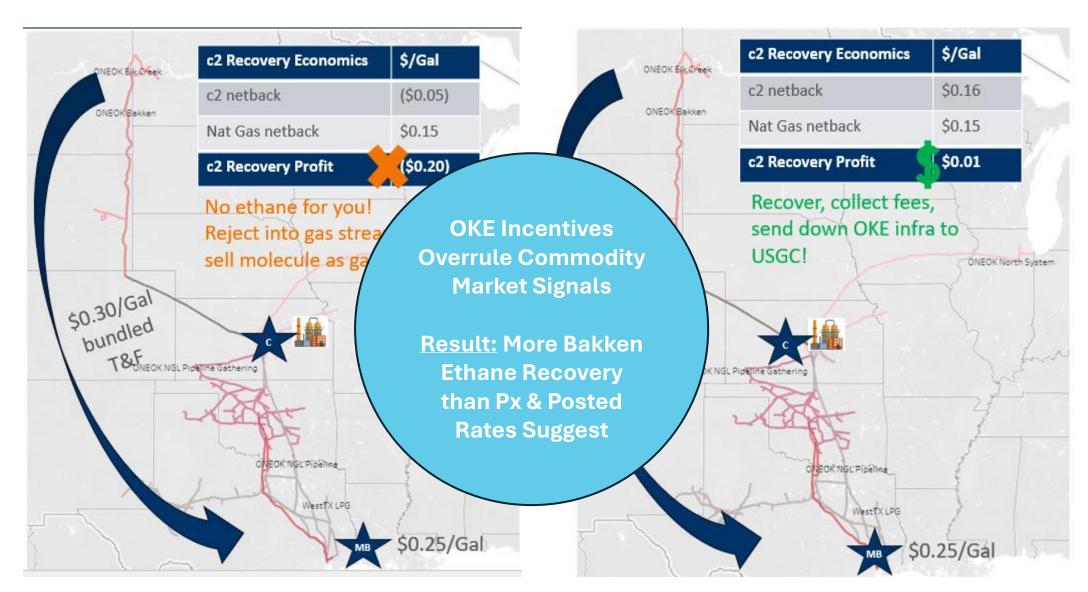


- OKE extracts more ethane in the Bakken & ships it to Conway where it can
 - 1) fractionate y-grade in Conway (Medford) and send it to Mt. Belvieu or
 - 2) ship y-grade to Mt.
 Belvieu
- Use volumes to underpin LPG or ethane export facility in the GoM while growing fee-based EBITDA at the same time





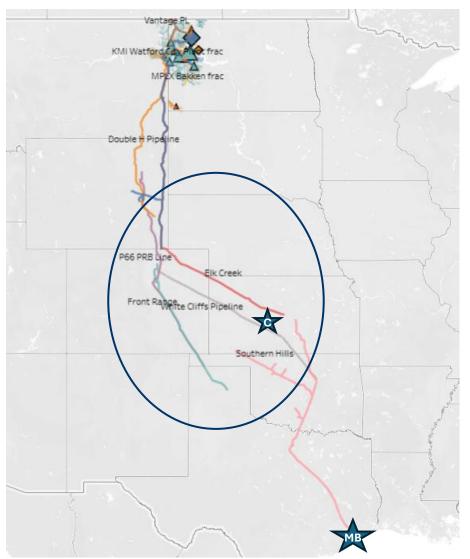
Optionality Creates a Hedge

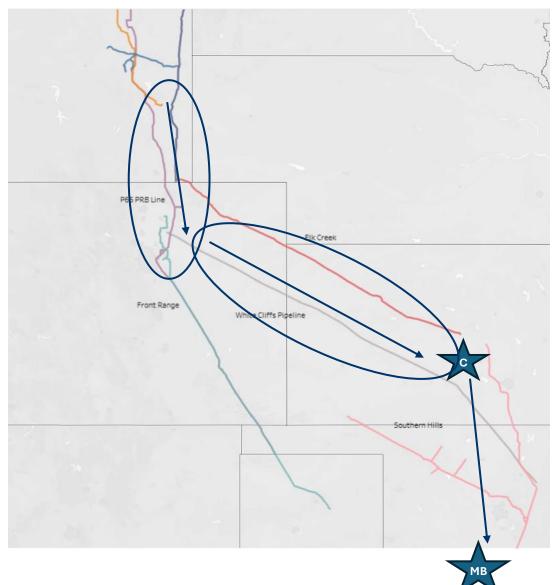


The Game is Afoot - Midstream



Future Optionality – Energy Transfer









Coming Soon: Cross Commodity Bakken Product

Scan the QR Code or <u>Click Here</u> to Request More Information on The Bakken Product



DLS 2025 Part 2: Take Me To The Gulf

Dec 4 | 10 AM MST | Online Webinar

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