2024 Member Picture NORTH DAKOTA from Hess Corporation

State of the Industry

Kathy Neset President, NESET

January 9, 2024

www.ND0il.org

2023 North Dakota State Legislative Session

- Extraction Tax Positive Price Trigger Repeal HB 1286
- Restimulation Well Extraction Tax Rate Reduction Incentive – HB 1427
- Creation of Enhanced Oil Recovery (EOR)
 Potential Well Status HB 1272
- Royalty Owner Ombudsman Program SB 2194
- Grant Dollars for Gas Capture Technology Incentives, Pipeline Safety, Clean Sustainable Energy Authority (CSEA), and Oil and Gas Research Program

NDPC Regulatory Engagement



350+ on NDPC Regulatory Committee, with over 150 regular participants on monthly calls



State-Level Regulatory Issues

- Dakota Skipper Habitat Conservation Plan
- ND Air Quality General Permit
- Admin Rule Changes: ND Land Board; ND Industrial Commission



Climate Executive Orders – All federal agencies ordered to review policies/rules/regulations and make suggestions for addressing climate change



EPA - Quad-O Rule

→ Pending Comments on GHG Reporting Program (Subpart W)



BLM – Comments filed on Waste Prevention Rule, ND Resource Management Plan, and Conservation and Landscape Health Rule

→ Pending Comments on Onshore Leasing Rule



PHMSA - Gas Pipeline LDAR Rule



Army Corp of Engineers – DAPL Environmental Impact Statement



Methane Rules

BAKKEN GROW

GLOBAL RECRUITMENT OF OILFIELD WORKERS



- Williston
- Watford City
- Minot
- Dickinson
- 16 Employers
- 65 Ukrainians (from March 2023 to Jan 2024)
 - More want to come
 - Employers waiting until Spring
- 5 Consultants (Ukrainian Interpreters)
- Sponsors are still needed



Using Immigration as a Workforce Solution





Statewide Gas Capture Rate 94%

1,244,857 Barrels Per Day

3,402,532 MCF Per Day (All-time high set in Sept 2023)

18,619 Producing Wells
(New all-time high set in Oct 2023)





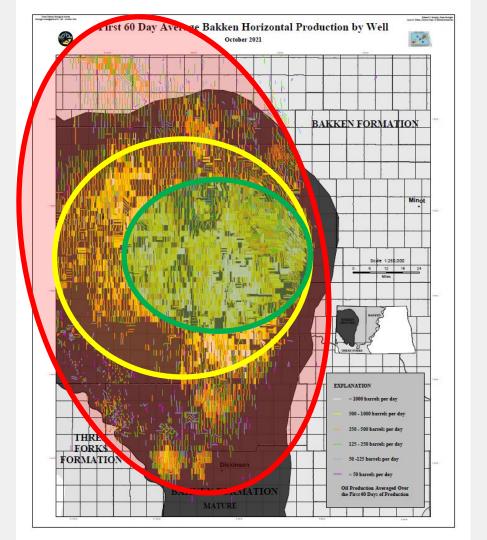
Core=Tier 1 > EOR 80-85% developed +8,000 wells 1-2% growth = 35 rigs = 8 years



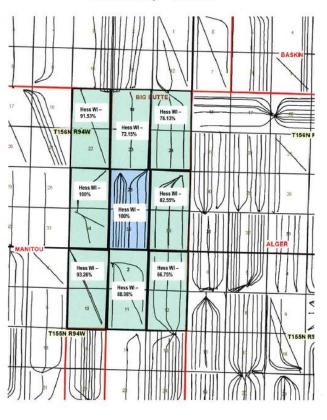
Tier 2 > 3 mi laterals
50% developed
+8,000 wells
1-2% growth = 50 rigs = 6 years

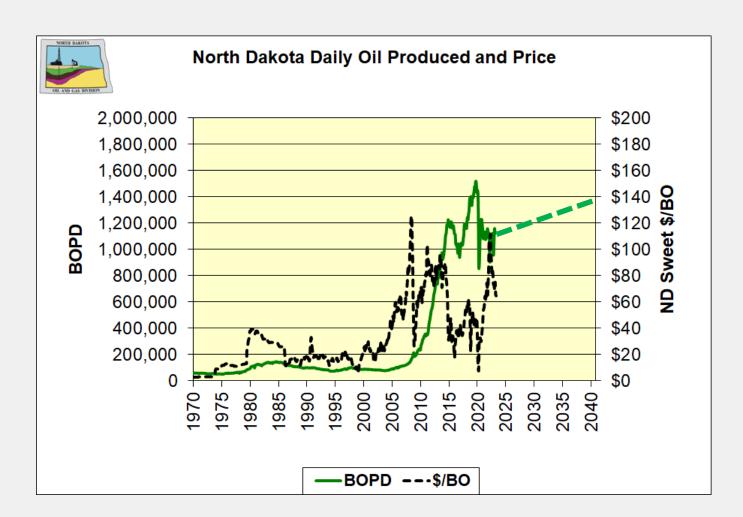


Total = 23,000 wells & 18 years Current 17,000 wells & 16 years

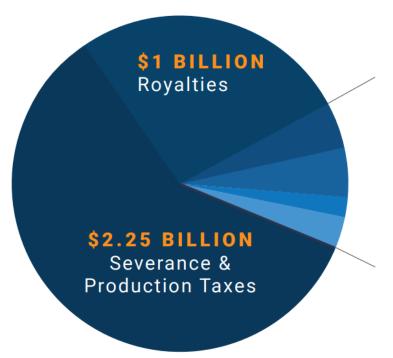


Location Map - Hess WI





\$3.8 BILLION IN STATE AND LOCAL GOVERNMENT REVENUES



\$172.2 MILLION
Property

\$180.8 MILLION Sales & Use Taxes

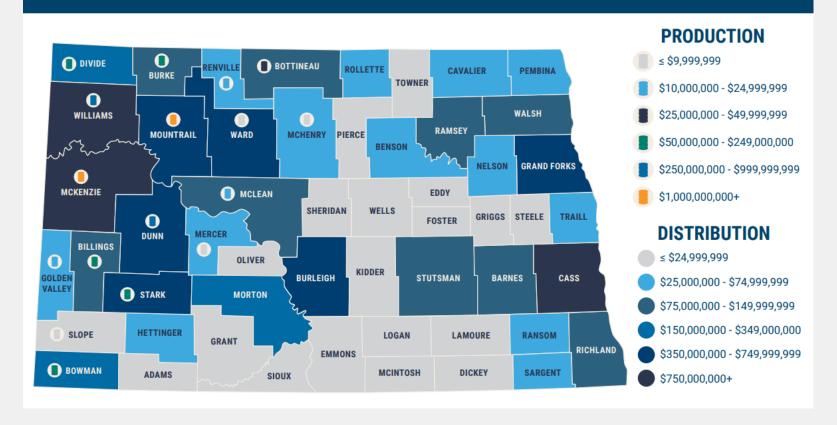
\$69.3 MILLION
Corporate & Personal
Income

\$112.3 MILLION Other Taxes, Permits, Fees & Licenses

\$1.8 MILLION Lease Bonuses

STATEWIDE BENEFITS

WHERE DOES STATE OIL TAX COME FROM AND WHERE DOES IT GO?



14,200 DIRECT JOBS + 35,185 SECONDARY JOBS =

49,385 TOTAL JOBS

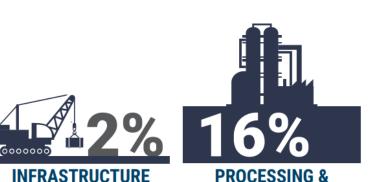
WITH A PAYROLL TOTALING

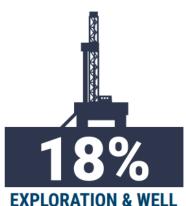
DEVELOPMENT



A MAJORITY OF JOBS ARE IN PRODUCTION, WHICH OFFER LONG-TERM JOBS & CAREERS FOR NORTH DAKOTANS.

TRANSPORTATION





DEVELOPMENT



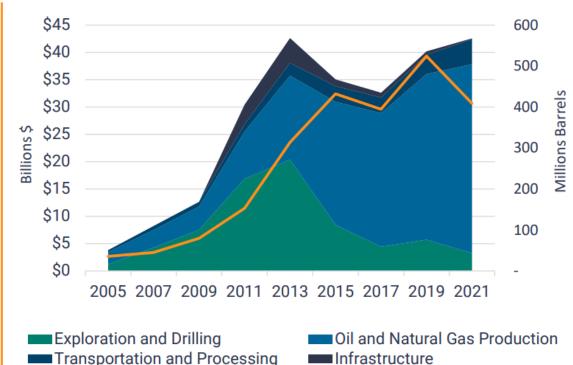
64%

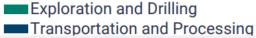
\$42.58 BILLION TOTAL ECONOMIC IMPACT IN 2021



OF ND'S GROSS STATE PRODUCT

CAME FROM THE OIL & GAS INDUSTRY





510 state tax revenues from oil & gas

Put it in perspective:





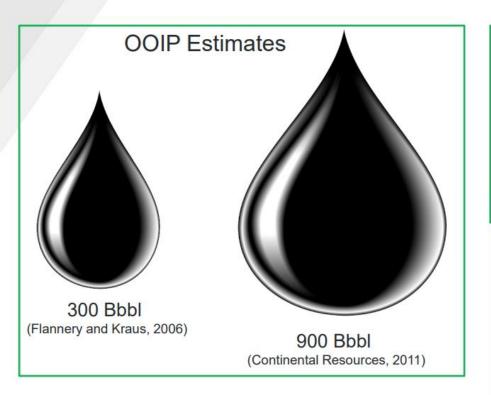
For every dollar of revenue to the state --

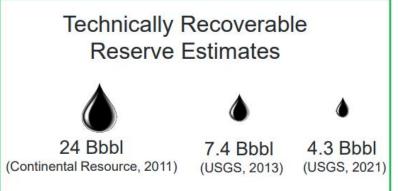
Fifty-One Cents comes from oil & gas

WHERE WE'RE GOING IN THE FUTURE



BAKKEN EOR SIZE OF THE PRIZE



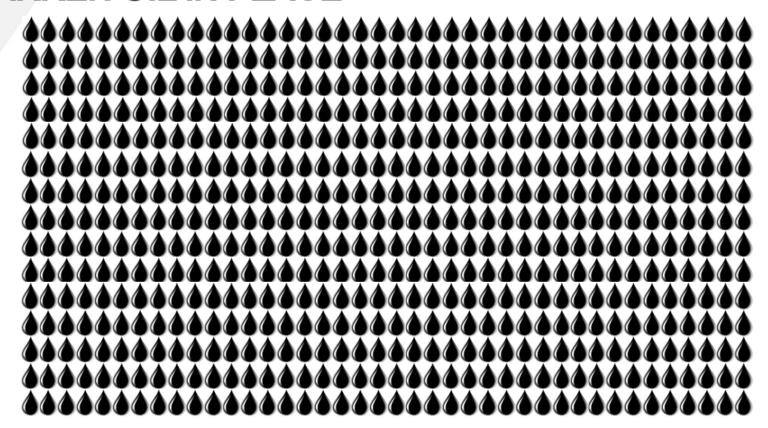






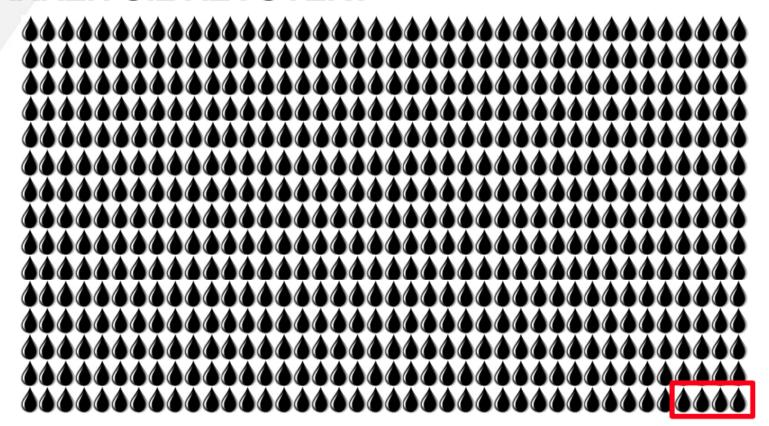
Critical Challenges. Practical Solutions.

BAKKEN OIL IN PLACE



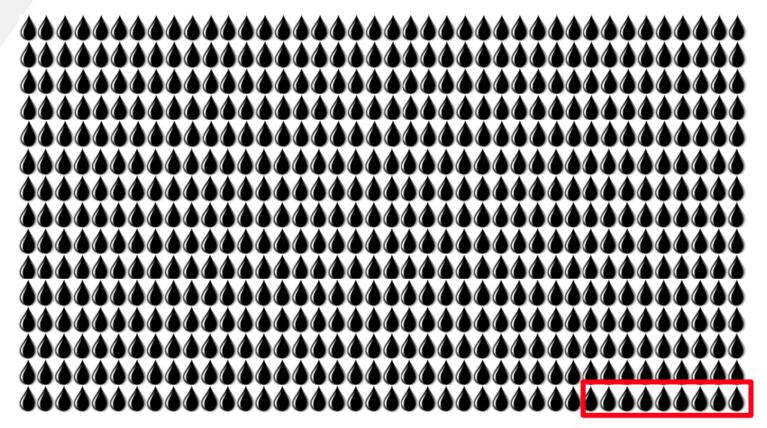


BAKKEN OIL RECOVERY



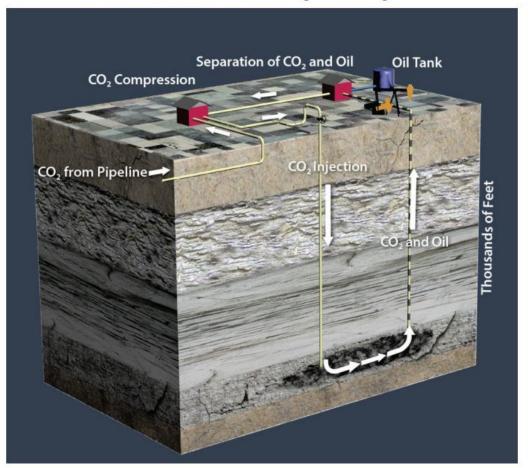


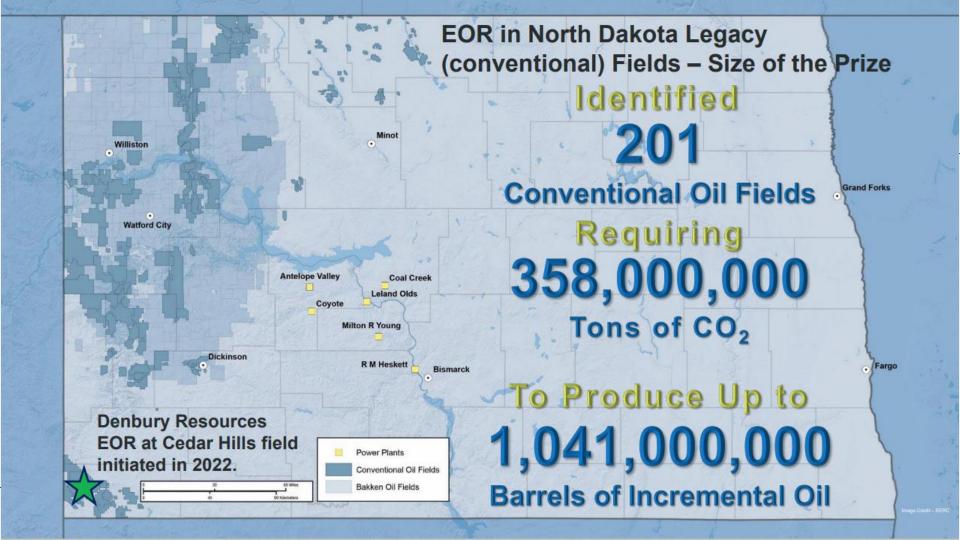
BAKKEN OIL RECOVERY BY 2033

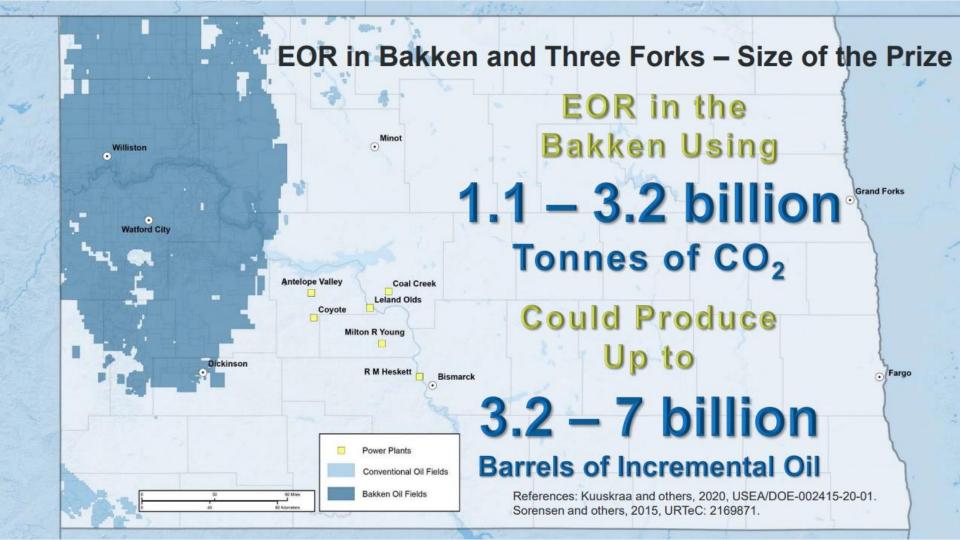




ENHANCED OIL RECOVERY (EOR)

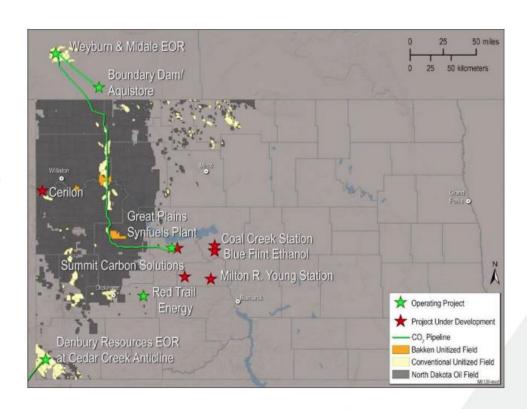






But... North Dakota Does Not Have Enough CO₂

- ND stationary sources produce ~30 million tons CO₂/yr.
- Conventional EOR produces about 2 barrels of oil/ton CO₂.
- If all our CO₂ was used for EOR, we could expect ~165,000 bbl/d or ~60 million bbl/yr or 50–100 years to produce the next 3–7 billion barrels!
- We need 5 times more CO₂ to replace primary production!





BREAKING NEWS

ND Oil Production will Reach a New Milestone

Another milestone for oil production in North Dakota.

"In mid-2024, we're going to reach 5 billion barrels of Bakken oil," said North Dakota Petroleum Council President Ron Ness. "It took us about 60 years to reach a billion barrels of oil."

That first billion came from conventional wells.

Ness said there's more oil in the Bakken that can be recovered.

"Somewhere down the line, technology and opportunity are going to align," Ness said. "We have the opportunity to extend the life of the Bakken another 30 to 50 years, and produce another 5 to 8 billion more barrels, just because of technology."





5 BILLION BARRELS

by mid-2024

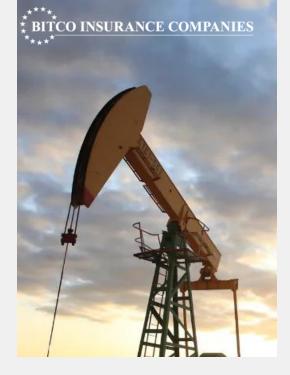
Link to Prairie Public Broadcasting article

Upcoming Events



MAY	14-16	Williston Basin Petroleum Conference – Bismarck
JUNE	4	Birds & Birdies – Watford City
JUNE	18-19	NDPC Summer Social – Medora
JUNE	24-27	Teacher Education Seminar – Bismarck
JULY	16	Bakken Classic Fishing Derby – New Town
JULY	18	Bakken Rocks CookFest – Tioga
AUG	29	ND Oil PAC Golf – Bully Pulpit, Medora
SEPT	17-19	NDPC Annual Meeting – Watford City
DEC	3	NDPC Christmas Gala – BSC, Bismarck

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The NDPC/BITCO Insurance Program

The NDPC serves as the leading voice for North Dakota's oil and gas industry. We are committed promoting and enhancing the discovery, development, production, transportation, refining, conservation, and marketing of oil and gas in North Dakota. To achieve this, we will work to facilitate open discussions among members, influence regulatory policies, and engage key stakeholders. Further, the BITCO Insurance Program will distribute a portion of NDPC members' premiums back to the NDPC to support the association's advocacy work.

About BITCO Insurance

- BITCO is proud to be a member of the Old Republic Insurance Group, one of America's fifty largest shareholder-owned insurance businesses and currently ranks among the Fortune 500 list of the nation's biggest companies.
- For over 75 years, BITCO has provided insurance to companies involved in on-shore production of petroleum and natural gas, including insurance for operators, drillers and contractors located from the Rocky Mountains to the Appalachian Basin.

AssuredPartners and BITCO Insurance share a vision for comprehensive, industry-specific solutions. NDPC members can enjoy peace of mind knowing their insurance is placed with a carrier that's rated A+ Superior by AM Best, reflecting financial strength and stability, further demonstrating our commitment to providing reliable and effective insurance solutions.

