

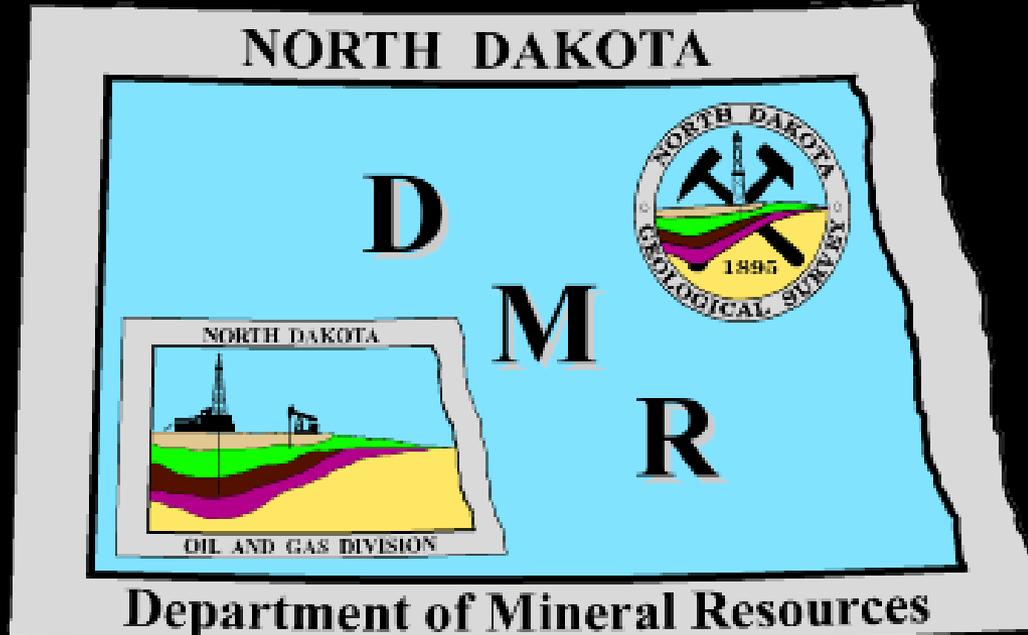


# ***BUREAU OF INDIAN AFFAIRS GAS CAPTURE / ROW***

*Bismarck, ND – April 25, 2018*

*Bruce E. Hicks  
Assistant Director  
NDIC-DMR-OGD  
Bismarck, ND*

# North Dakota Department of Mineral Resources



<https://www.dmr.nd.gov/oilgas/>

<https://www.dmr.nd.gov/ndgs/>

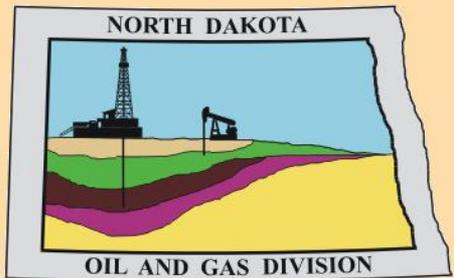
***600 East Boulevard Ave. - Dept 405***

***Bismarck, ND 58505-0840***

***(701) 328-8020***

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- Services
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- Forms
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## Welcome to the North Dakota Industrial Commission, Department of Mineral Resources Gas Division, home page.

Lynn D. Helms, Director      Bruce E. Hicks, Assistant Director

Rules Approved by the Commission  
Commission Guidance on Gas Capture effective 4-17-2018

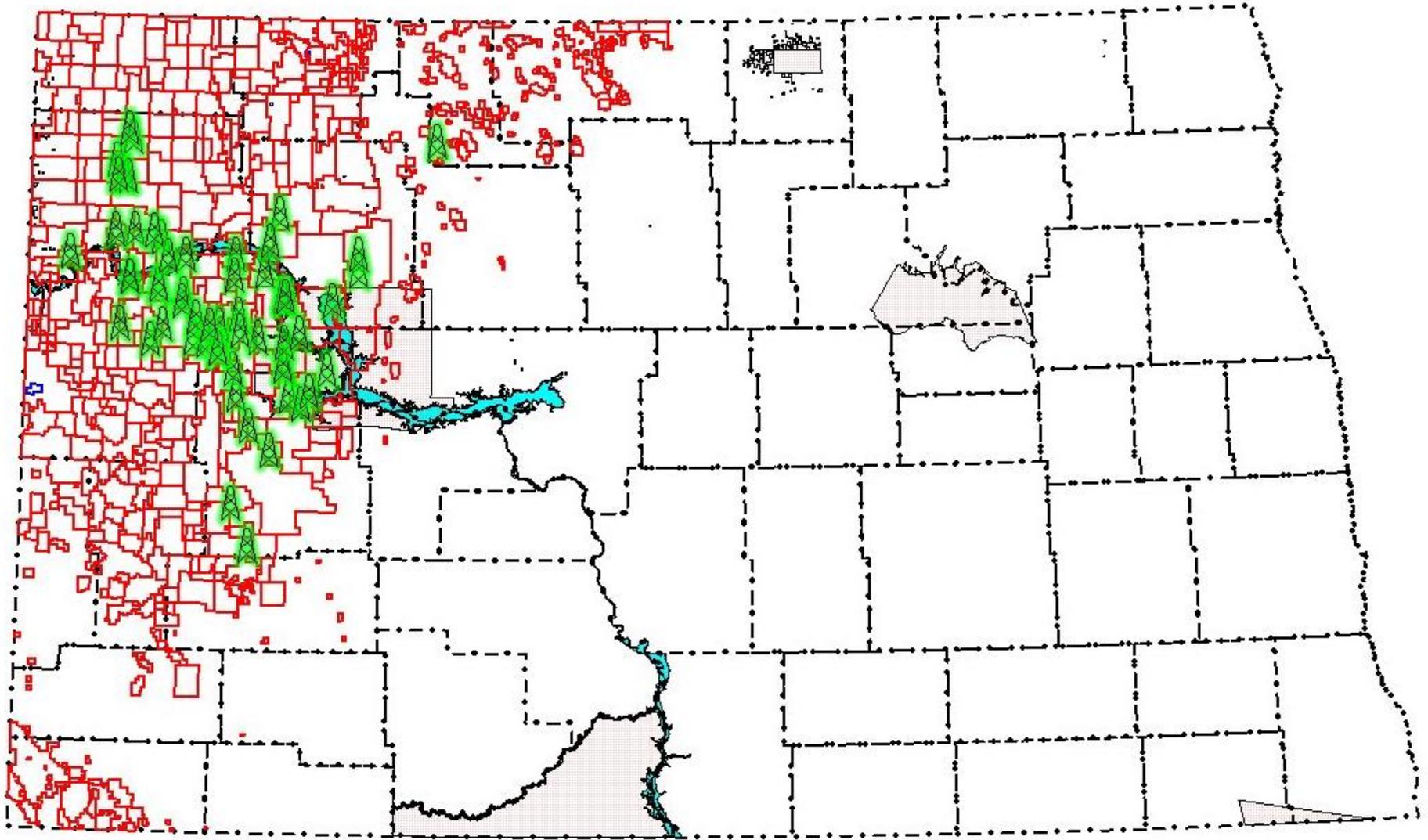
The Oil and Gas Division regulates the drilling and production of oil and gas in North Dakota. Our mission is to encourage and promote the development, production, and utilization of oil and gas in the state in such a manner as will prevent waste, maximize economic recovery, and fully protect the correlative rights of all owners to the end that the landowners, the royalty owners, the producers, and the general public realize the greatest possible good from these vital natural resources.

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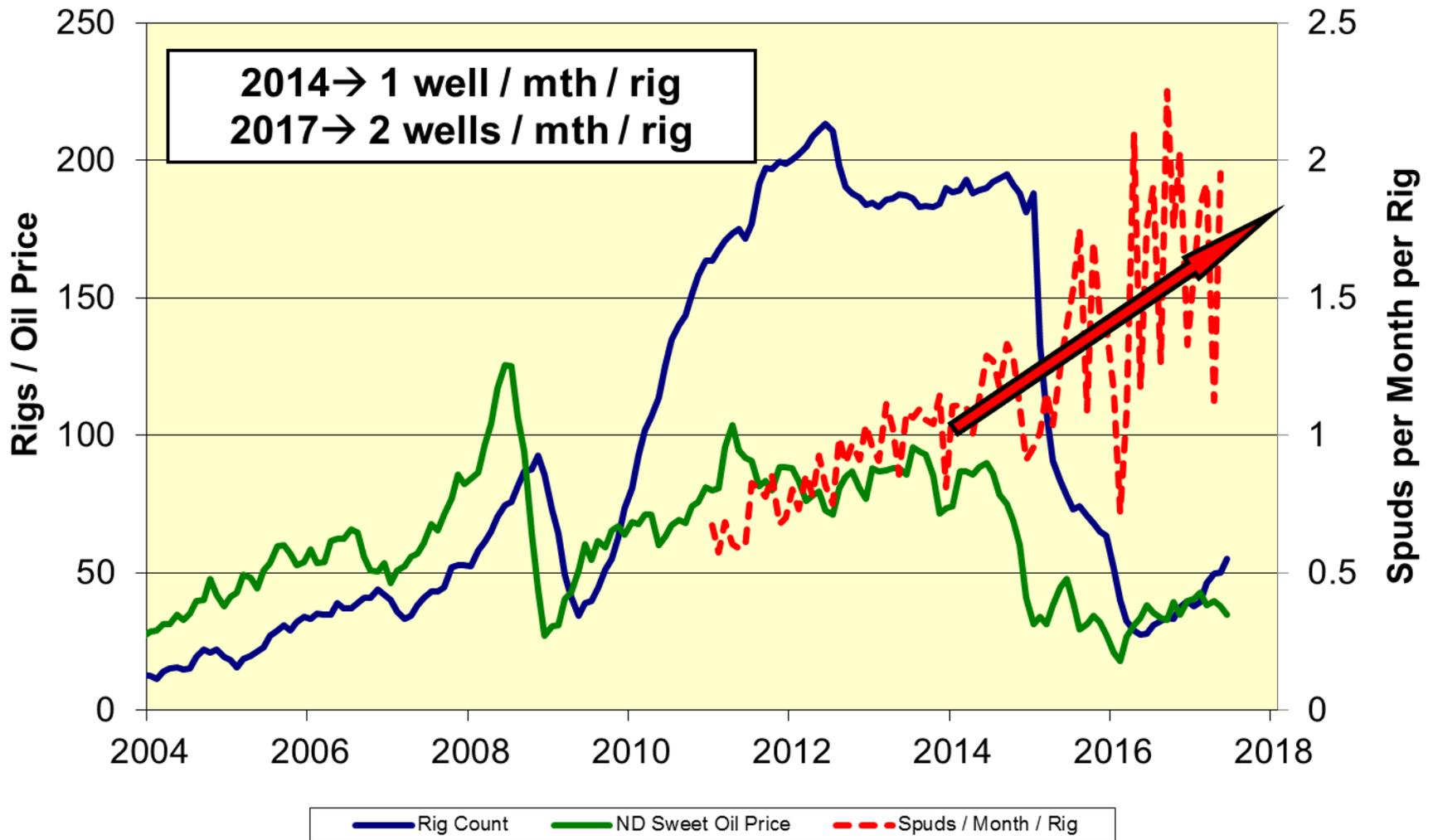
# NORTH DAKOTA – 60 DRILLING RIGS – APRIL 2018



**Current drilling activity is focused  
in Mountrail, Dunn, McKenzie, and Williams Counties.**

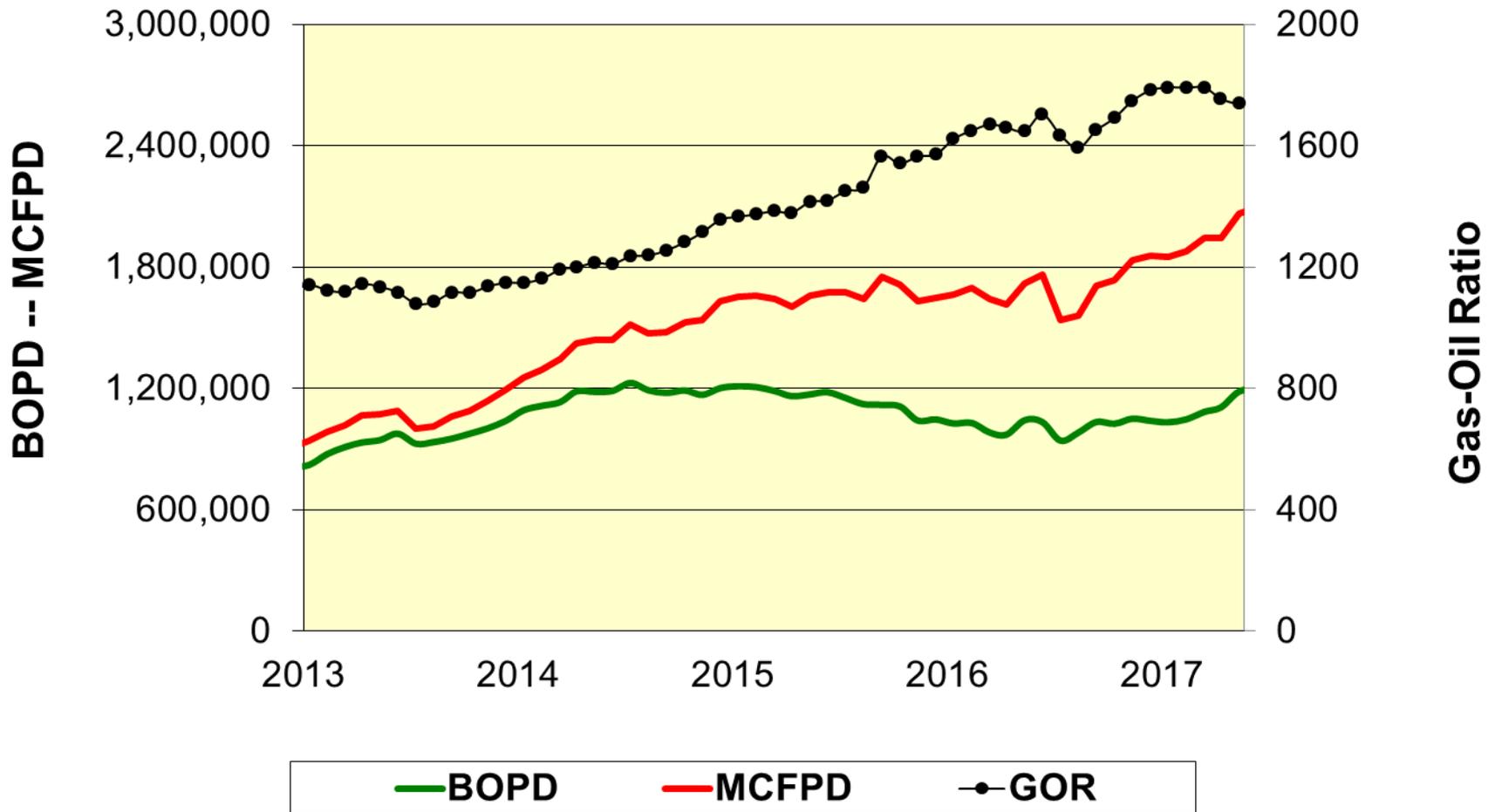


# North Dakota Average Monthly Rig Count



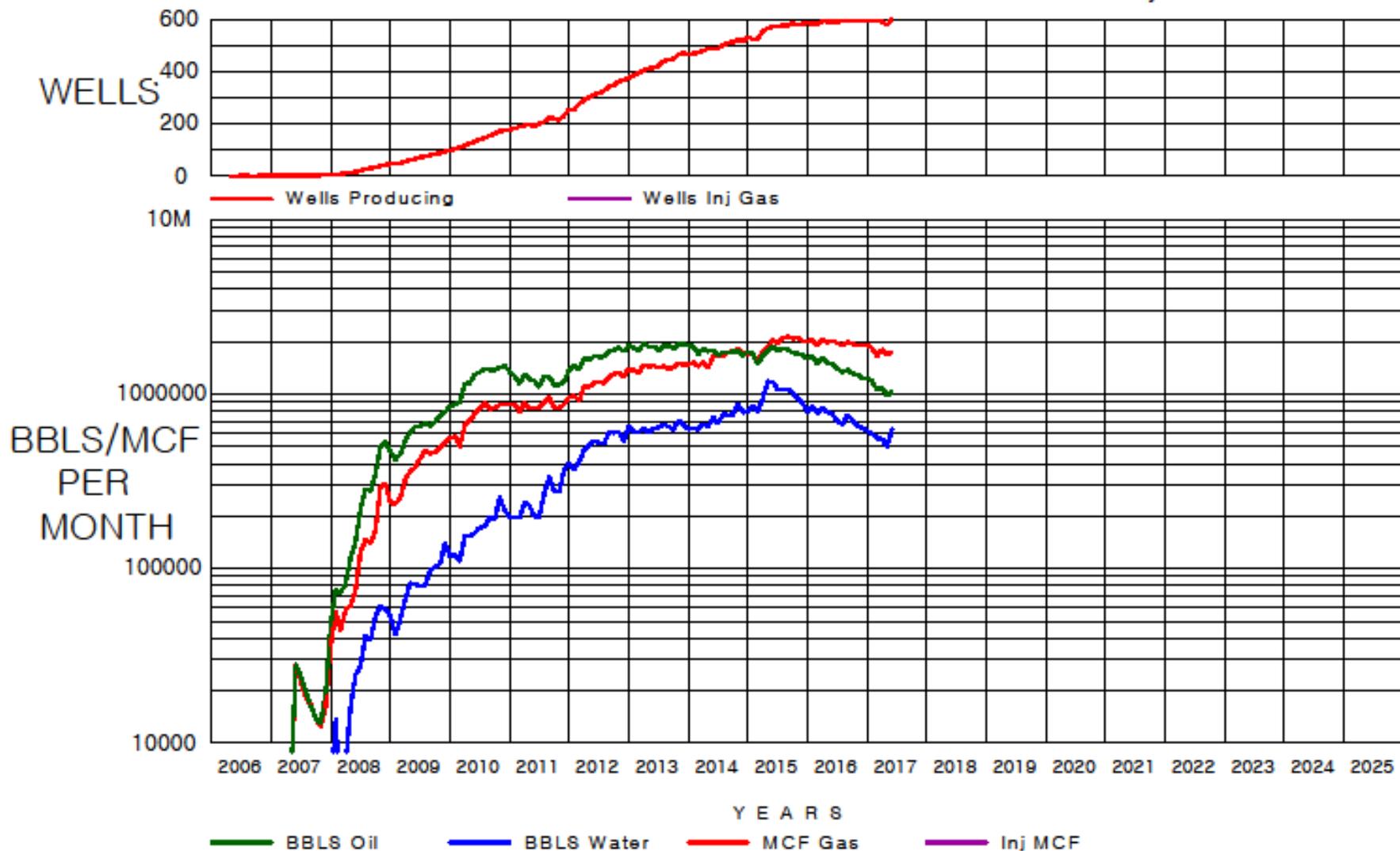


## North Dakota Gas-Oil Ratio



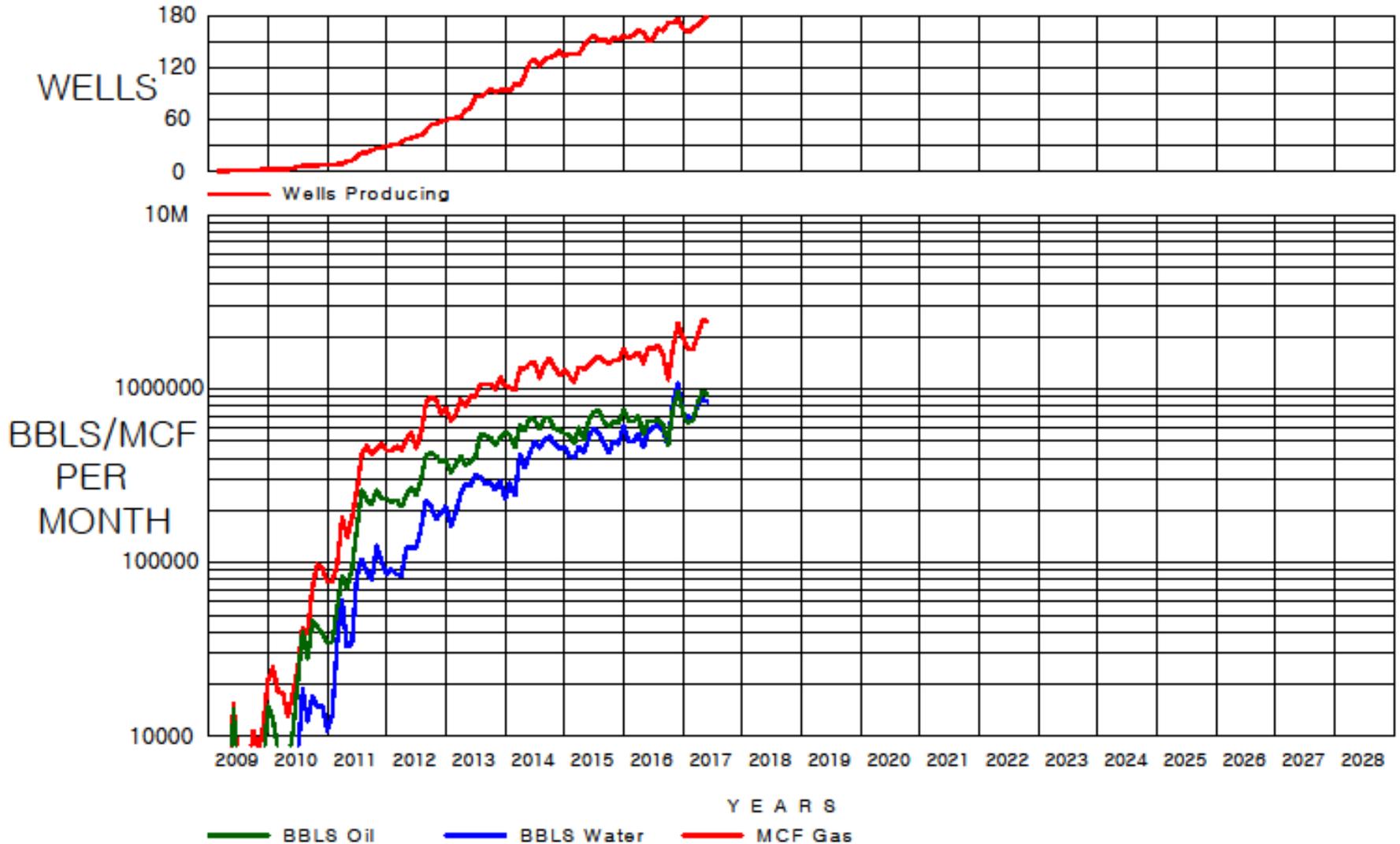
# SANISH - BAKKEN

Cum Oil = 147307688  
 Cum Water = 53054111  
 Cum Gas = 133126306  
 Cum Inj BBLS = 0  
 Cum Inj MCF = 894

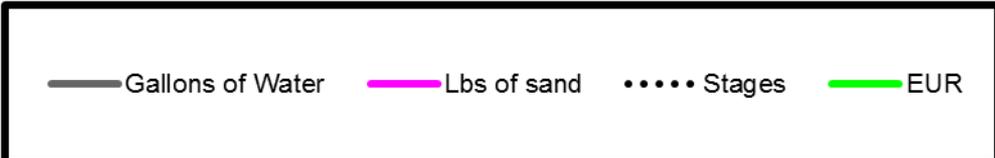
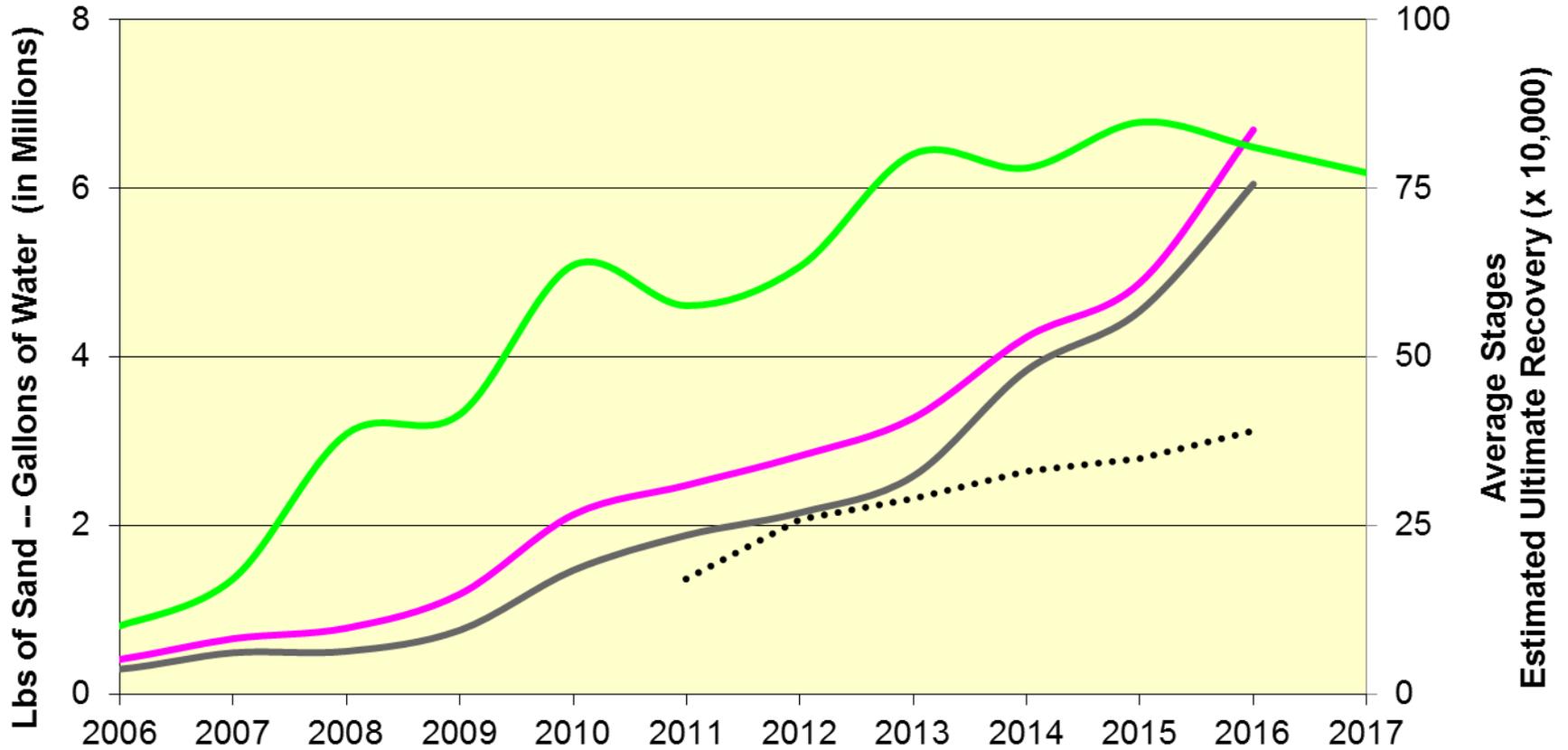


# BANKS - BAKKEN

Cum Oil = 38422430  
Cum Water = 28403534  
Cum Gas = 85587932  
Cum Inj BBLs = 0  
Cum Inj MCF = 0



# North Dakota Stimulations



# **North Dakota Gas Capture Regulations**

- **ICO 24665—effective 7-1-2014**
  - **Policy Goals**
    - **Reduce the flared volume of gas**
    - **Reduce the number of wells flaring**
    - **Reduce the duration of flaring from wells**
- **Guidance f/ICO 24665**
  - **Original approved 4-3-15**
  - **Revised 10-22-15**
  - **Revised 4-17-18**

# **North Dakota Gas Capture Regulations**

## **Guidance Changes Approved 4-17-2018**

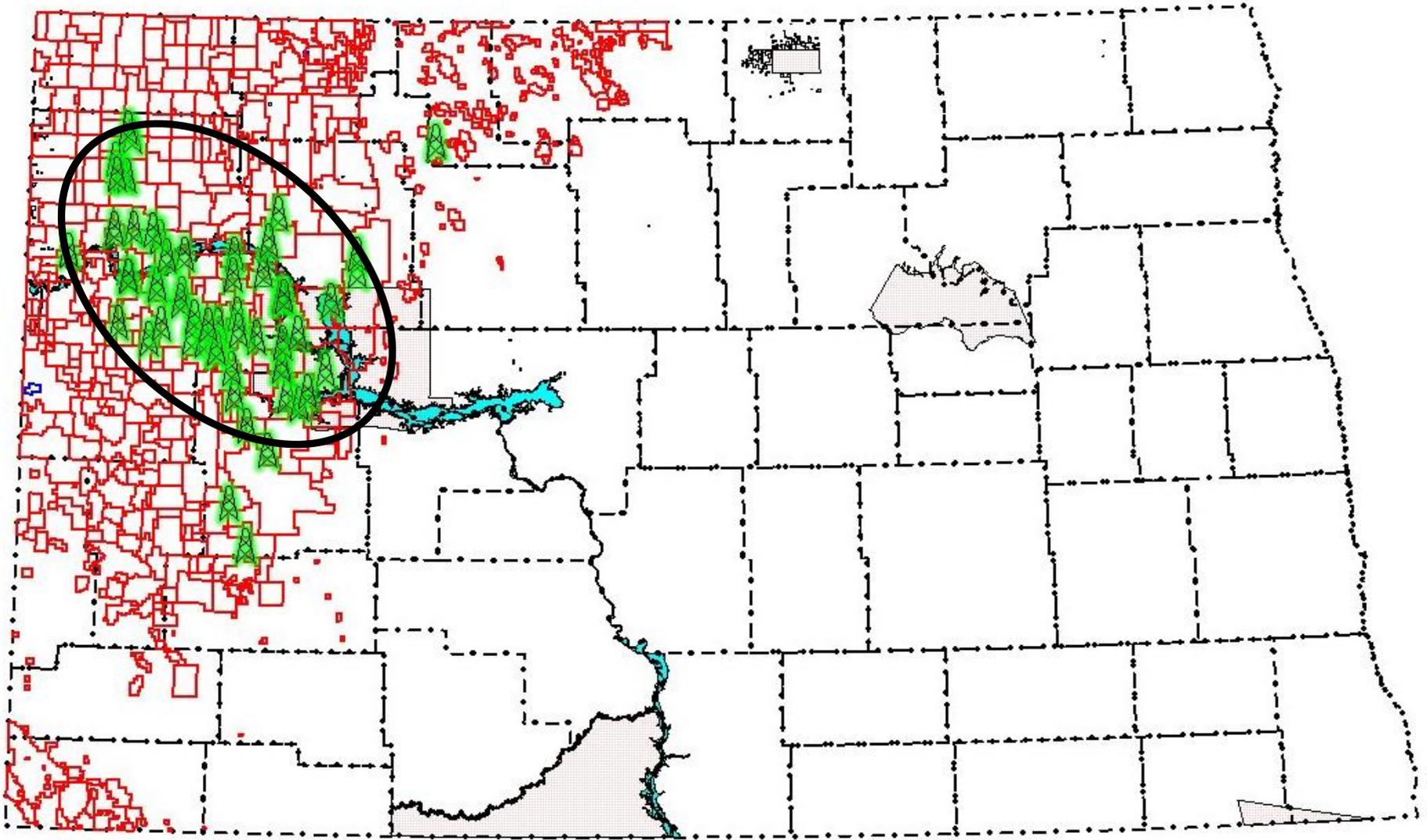
- **Producers must**
  - **Provide Gas Prod Forecast to midstreamers**
    - **GCP not required at temp-proper-infill hearings**
    - **Maintain a GCP f/development plans**
  - **GCP w/APD if < goal in last 3 mths**
  - **Improvement meeting w/IC if < goal in 3/6 mths**

# **North Dakota Gas Capture Regulations**

## **Guidance Changes Approved 4-17-2018**

- **Stranded Gas Allowance**
  - **6 new hor per twp outside Bak core area**
  - **Prod MER & remove 12 mths from flare calc**
  - **Undrilled twp or capture < 60% in past 2 mths**

# NORTH DAKOTA – 60 DRILLING RIGS – APRIL 2018



**Current drilling activity is focused  
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# **North Dakota Gas Capture Regulations**

## **Guidance Changes Approved 4-17-2018**

- **MER for new hor Bak/TF wells**
  - **46 days >14-day flowback removed from calc**
    - **Midstreamers can't build f/peak prod rates**

# **North Dakota Gas Capture Regulations**

## **Guidance Changes Approved 4-17-2018**

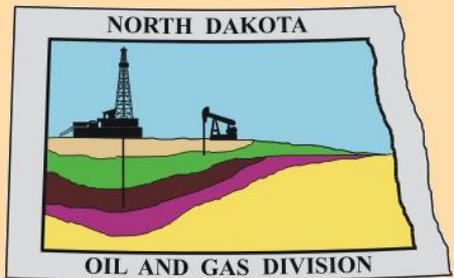
- **Gas Credits**
  - **Six-month rollover**
  - **Liquid Natural Gas (LNG) used in operations**
  - **Compressed Natural Gas (CNG) used**
  - **Gas above capture goals**

# **North Dakota Gas Capture Regulations**

## **Guidance Changes Approved 4-17-2018**

- **Temporary Exemptions**
  - **One year duration**
  - **Administrative approval**
  - **Quarterly Report to IC will detail requests**

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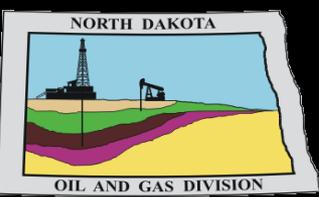
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