• Statistics
• 2021-2022 Administrative Rules
• Non-core Development
• EOR
• ARPA
- Statistics
- 2021-2022 Administrative Rules
- Non-core Development
- EOR
- ARPA
Oil Production
August 1,107,359 barrels/day (final)
September 1,113,410 barrels/day (all-time high 1,519,037 BOPD Nov 2019) NM = 1,208,863
1,070,883 barrels/day or 96% from Bakken and Three Forks
42,527 barrels/day or 4% from legacy pools

Gas Production and Capture
August Production 2,961,434 MCF/day
92% Capture 2,717,801 MCF/day
September Production 3,015,567 MCF/day (all-time high 3,145,172 MCFD Nov 2019)
94% Capture 2,831,057 MCF/day (all-time high 2,899,998 MCFD Mar 2020)

July Gas Capture
Statewide 94%
Statewide Bakken 94%
Non-FBIR Bakken 95%
FBIR Bakken 92%
Trust FBIR Bakken 94%
Fee FBIR 78%
Permits

August 79 drilling and 0 seismic
September 69 drilling and 2 seismic
October 37 drilling and 0 seismic (all-time high 370 in 10/2012)

Rig Count

September 27
October 29 (all-time high 218 on 5/29/12)
Federal surface 0
NM 83
Wells Waiting on Completion
August  521
September  503

Inactive Wells
August  1,672
September  1,696

Completions
August  47
September  34
October  41

Producing Wells
August  16,956
September  17,041 (preliminary)(NEW all-time high 17,041 September 2021)
14,758 wells or 87% are now unconventional Bakken – Three Forks wells
2,283 wells or 13% produce from legacy conventional pools
- Statistics
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Timetable for adopting NDIC Rules

√ August 24, 2021 – NDIC approved proceeding with rulemaking

√ September 9, 2021 – notice of rulemaking published

√ October 11, 2021 – rulemaking hearings Bismarck and Dickinson
√ October 12, 2021 – rulemaking hearings Williston and Minot
√ October 22, 2021 – deadline for rulemaking comments

√ November 30 – NDIC approval of rule amendments

January 27, 2022 – file rule amendments with Legislative Counsel

March 2, 2022 – Administrative Rules Committee hearing

April 1, 2022 – rule amendments become final
NDIC Rules

Microsoft Word - Rule Changes.2022.2021-08-31.Final Filed with LC (nd.gov)

43-02-03-07 United States Government Leases
43-02-03-09 Forms Upon Request
43-02-03-14.2 Oil and Gas Metering Systems
43-02-03-15 Bond and Transfer of Wells
43-02-03-16 Application for Permit to Drill & Recomplete
43-02-03-16.1 Designation and Responsibilities of Operator
43-02-03-21 Casing, Tubing, and Cementing Requirements
43-02-03-27.1 Hydraulic Fracture Stimulation
43-02-03-29 Well & Lease Equip & Gas Gathering Pipelines
43-02-03-29.1 Oil & Prod Water Underground Gathering Pipelines
43-02-03-30 Notification of Fires, Leaks, Spills, or Blowouts
43-02-03-34.1 Reclamation of Surface
43-02-03-38.1 Preservation of Cores and Samples
43-02-03-55 AB of Wells, TP, Pipeline, SWHF
43-02-03-88.1 Special Procedures for Wells, CTB, Flaring
43-02-03-90.2 Official Record
43-02-03-90.4 Notice of Order by Mail

43-02-14 GEOLOGIC STORAGE FACILITIES SB2065
43-05-01-17 GEOLOGIC STORAGE OF CARBON DIOXIDE Storage Facility Fees SB2014
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Legend

<table>
<thead>
<tr>
<th>Case Status</th>
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<tbody>
<tr>
<td>Heard in May/June 2021</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>28855</td>
</tr>
<tr>
<td>2</td>
<td>28856</td>
</tr>
<tr>
<td>3</td>
<td>28857</td>
</tr>
<tr>
<td>4</td>
<td>28858</td>
</tr>
</tbody>
</table>
1920-acre Spacing Unit
Sections 30 & 31 T151N-R102W
and Section 6 T150N-R102W
Whiting’s working interest = 56.43%

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE
Introduced By
Exhibit
 Identified By

Whiting Oil and Gas Corporation

Land Plat

Case #28861  Exhibit L2 Page 1
D. Mansfield    July 28, 2021
- Statistics
- 2021-2022 Administrative Rules
- Non-core Development
- EOR
- ARPA
Mays Waterflood Test Plat

Foreman Butte Field: Madison Pool
Proposed horizontal water injection well location and offset vertical type well
Features of Project Location

- 2560-acre Spacing Unit of Interest
- Existing Middle Bakken Horizontal
- Existing Three Forks Horizontal
- Existing Gas Pipeline (LMS)
- Existing Water Pipeline (LMS)

- Location selected based on results and learnings from prior Bakken EOR pilots, specifically the "Stomping Horse" pilot documented in NDIC Case No. 27926.
- Utilizes more recently completed infill wells (August ‘19); limited depletion.
- Accesses rich gas via connection to the gas plant gathering line.
- Liberty operates most of the offsetting DSUs.
- Well & completion design provides for favorable conformance along the horizontal interval using cemented liners with “Plug & Perf” completions.
- Jet pump operations ease well conversion to injection.
- Offset well configuration allows for surveillance and boundaries.
Case No. 28963: Application of Continental Resources, Inc. for an order authorizing the rework of the Buddy 1-27H well (File No. 23180), located in a spacing unit comprised of Sections 27 and 34, T.156N., R.99W., and the Domindgo 1-22H well (File No. 23181) located in a spacing unit comprised of Sections 15 and 22, T.156N., R.99W., Williams County, ND, for the temporary injection of natural gas and possibly other fluids in the East Fork-Bakken Pool pursuant to NDAC Chapter 43 02 05, and Section 43-02-03-88.1, and such other relief as is appropriate.
<table>
<thead>
<tr>
<th>Unit bond $1.525 million</th>
<th>Unit bond $2.4 million</th>
</tr>
</thead>
<tbody>
<tr>
<td>v v v v v</td>
<td>v v v v v</td>
</tr>
</tbody>
</table>
Statistics
2021-2022 Administrative Rules
Non-core Development
EOR
ARPA
Bakken Natural Gas Infrastructure
Gas Transmission Expected to Limit Oil Production

- Oil Production: Gas Capped at 4.475 BCFD
- Oil Production: Gas Capped at 4.1 BCFD
- Incremental Oil With 250MMCFD Residue Solution
Legislative Appropriation:
Senate Bill 2345 Section 1, subsection 1

There is appropriated from federal funds derived from the state fiscal recovery fund, not otherwise appropriated, the sum of $150,000,000, or so much of the sum as may be necessary, to the Industrial Commission for the purpose of pipeline infrastructure grants to allow for the transportation of natural gas to eastern North Dakota for the period beginning December 1, 2021 and ending June 30, 2023. Of the funds appropriated in this subsection, at least $10,000,000 must be used for a project to transport natural gas to areas in Grand Forks County.
## AB Well Conversion to Water Supply

### Proposal:
Conversion of up to 32 abandoned oil and gas wells to livestock supply freshwater wells for permanent drought relief. Wells selected would have otherwise been orphaned, plugged, and reclaimed. Proposal would be an extension of the 2020 CARES Act Orphan Well Project – currently funded by AWPSRF.

**Total amount of request:** $6,400,000

**Timeline:** Funds obligated by December 31, 2024 and spent by December 31, 2026

### Connection to existing programs:

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is it a new program?</td>
<td>No, it is an extension of the 2020 CARES Act Orphan Well Project</td>
</tr>
<tr>
<td>Is it an expansion of an existing program?</td>
<td>Yes</td>
</tr>
<tr>
<td>If yes, what is the current funding?</td>
<td>The Abandoned Oil and Gas Well Plugging and Site Reclamation Fund</td>
</tr>
<tr>
<td>Has this proposal been previously submitted to the legislature?</td>
<td>No</td>
</tr>
<tr>
<td>If so, describe the legislative response.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Connection to relevant ARPA guidelines:

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection to relevant ARPA guidelines</td>
<td>The project will use funds and government services for pay-as-you-go spending for building new infrastructure and environmental remediation.</td>
</tr>
<tr>
<td></td>
<td>The project will use funds for forward looking government services for costs incurred after March 3, 2021.</td>
</tr>
<tr>
<td></td>
<td>The project will not use funds and government services directly for pension deposits, contributions to reserve funds, or debt service.</td>
</tr>
<tr>
<td></td>
<td>The project will not use Fiscal Recovery Funds as non-federal match for other federal programs whose statute or regulations bar the use of federal funds to meet matching requirements.</td>
</tr>
</tbody>
</table>

### Cost analysis

<table>
<thead>
<tr>
<th>Cost Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positions required = 0</td>
</tr>
<tr>
<td>Temporary or FTE = 0</td>
</tr>
<tr>
<td>Required salary funding = $0</td>
</tr>
<tr>
<td>Expected operating costs, including grant administration costs = $0</td>
</tr>
</tbody>
</table>
To whom it may concern,

I am a member of the Medora Grazing Association and I am writing in regards to water development within the Grazing Association allotments.

My family has been ranching for four generations, and I have learned the importance and necessity that water is to nature, wildlife, and cattle. In a year of drought, it has become more and more evident how crucial quality water development and water resources are to strengthening and preserving the National Grasslands.

With the multiple fires occurring around the area during this drought, having more reliable water sources throughout the badlands would greatly benefit our fire departments in their jobs without having to go great distances to find readily available water.

Please take into consideration that improving and expanding water development throughout the area will benefit everyone and every living thing involved.

I appreciate your time.

Sincerely,  

Colin Madzo  
Medora, ND