

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA

CASE NO. 30151
ORDER NO. 32757

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER ESTABLISHING THE FIELD AND POOL LIMITS FOR LANDS LOCATED IN SECTIONS 11, 12, 13, 14, AND 24, T.145N., R.83W. AND SECTIONS 6, 7, 8, 17, 18, AND 19, T.145N., R.82W., MCLEAN COUNTY, ND, FOR THE GEOLOGIC STORAGE OF CARBON DIOXIDE IN THE BLUE FLINT UNDERWOOD BROOM CREEK FACILITY #1 (FACILITY NO. 90000373) IN THE BROOM CREEK FORMATION, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY.

ORDER OF THE COMMISSION

THE COMMISSION FINDS:

- (1) This cause came on for hearing at 9:00 a.m. on the 29th day of June, 2023.
- (2) This case is a motion of the Commission to consider establishing the field and pool limits for lands located in Sections 11, 12, 13, 14, and 24, Township 145 North, Range 83 West; and Sections 6, 7, 8, 17, 18, and 19, Township 145 North, Range 82 West, McLean County, North Dakota, for the geologic storage of carbon dioxide in the Blue Flint Underwood Broom Creek Facility #1 (Facility No. 90000373) in the Broom Creek Formation, and enact such special field rules as may be necessary.
- (3) Order No. 32474 entered in Case No. 29888 on May 25, 2023 authorized and created the Blue Flint Underwood Broom Creek Facility #1. The Commission desires to establish field boundaries and pool limits for mapping purposes, enable electronic reporting of the geologic storage of carbon dioxide in said facility, and establish special field rules.
- (4) Order No. 32474 established the Blue Flint Underwood Broom Creek Facility #1 to include the following lands in McLean County, North Dakota:

TOWNSHIP 145 NORTH, RANGE 83 WEST

ALL OF SECTIONS 12 AND 13, THE SE/4 OF SECTION 11, THE NE/4 OF SECTION 14, AND THE NE/4 OF SECTION 24,

TOWNSHIP 145 NORTH, RANGE 82 WEST

ALL OF SECTIONS 7, 8, 17, AND 18, THE S/2 OF SECTION 6, AND THE N/2 OF SECTION 19.

(5) Order No. 32475 entered in Case No. 29889 on May 25, 2023 approved the amalgamation of pore space in the Blue Flint Underwood Broom Creek Facility #1 and defined the stratigraphic interval of the storage reservoir containing the amalgamated pore space as the stratigraphic interval from below the top of the Picard Member of the Piper Formation, found at a depth of 4,558 feet below the Kelly Bushing, to above the base of the Amsden Formation, found at a depth of 5,035 feet below the Kelly Bushing, as identified by the Array Induction Gamma log run performed in the MAG #1 well (File No. 37833), located in LOT 1 of Section 18, Township 145 North, Range 82 West, McLean County, North Dakota.

(6) Commission staff testified the establishment of field rules would include a requirement that all wells not proposed as part of the Blue Flint Underwood Broom Creek Facility #1 would be permitted only after notice and hearing.

IT IS THEREFORE ORDERED:

(1) The Underwood Carbon Dioxide Field is hereby created for the exclusive purpose of identifying an area that has been approved by the Commission allowing the injection of carbon dioxide into a subsurface stratum.

(2) The Underwood Carbon Dioxide Field is hereby defined as the following described tracts of land in McLean County, North Dakota:

TOWNSHIP 145 NORTH, RANGE 83 WEST

ALL OF SECTIONS 12 AND 13, THE SE/4 OF SECTION 11, THE NE/4 OF SECTION 14, AND THE NE/4 OF SECTION 24,

TOWNSHIP 145 NORTH, RANGE 82 WEST

ALL OF SECTIONS 7, 8, 17, AND 18, THE S/2 OF SECTION 6, AND THE N/2 OF SECTION 19.

(3) The Underwood-Broom Creek Carbon Dioxide Pool is hereby defined as the stratigraphic interval from below the top of the Picard Member of the Piper Formation, found at a depth of 4,558 feet below the Kelly Bushing, to above the base of the Amsden Formation, found at a depth of 5,035 feet below the Kelly Bushing, as identified by the Array Induction Gamma log run performed in the MAG #1 well (File No. 37833), located in LOT 1 of Section 18, Township 145 North, Range 82 West, McLean County, North Dakota.

(4) All wells within the boundaries of the Underwood Carbon Dioxide Field not proposed as part of the Blue Flint Underwood Broom Creek Facility #1 shall be permitted only after notice and hearing.

(5) This order shall remain in full force and effect until further order of the Commission.

Dated this 18th day of August, 2023.

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director