

Introduced by

Energy and Natural Resources Committee

(At the request of the Industrial Commission)

1 A BILL for an Act to create and enact ~~section 15-05-09.1 and~~ chapter 38-25 of the North Dakota  
 2 Century Code, relating to ~~the authority of the board of university and school lands to lease lands~~  
 3 ~~under its control for the underground storage of oil or gas and~~ the jurisdiction of the industrial  
 4 commission to regulate the permitting and amalgamation of the underground storage of oil or  
 5 gas; and to amend and reenact sections 15-05-09 and 15-05-10 of the North Dakota Century  
 6 Code, relating to oil and gas leases and royalties from oil leases.

7 **BE IT ENACTED BY THE LEGISLATIVE ASSEMBLY OF NORTH DAKOTA:**

8 ~~SECTION 1. Section 15-05-09.1 of the North Dakota Century Code is created and enacted~~  
 9 ~~as follows:~~

10 ~~15-05-09.1. Authorization to lease for the underground storage of oil or gas.~~

11 ~~The board of university and school lands may lease any lands under the board's control for~~  
 12 ~~the underground storage of oil, natural gas, including hydrogen, and any other liquid~~  
 13 ~~hydrocarbons and may establish any rules and regulations necessary concerning the leasing of~~  
 14 ~~such rights.~~

15 **SECTION 1. AMENDMENT.** Section 15-05-09 of the North Dakota Century Code is  
 16 amended and reenacted as follows:

17 **15-05-09. Leases for oil, gas, and other products.**

18 The board of university and school lands may lease any lands under its control believed to  
 19 contain oil, gas, coal, cement materials, sodium sulfate, sand and gravel, road material, building  
 20 stone, chemical substances, metallic ores, ~~or~~ colloidal or other clays, or other naturally  
 21 occurring elements and their compounds, and may make and establish rules and regulations for  
 22 development and drilling operations.

23 **SECTION 2. AMENDMENT.** Section 15-05-10 of the North Dakota Century Code is  
 24 amended and reenacted as follows:

1       **15-05-10. Royalties from oil and gas leases - Rents from other leases - Rules.**

2       Oil and gas leases must be made by the board of university and school lands at such  
3 annual minimum payments as are determined by the board, but the royalty shall be not less  
4 than twelve and one-half percent of the gross output of oil from the lands leased. Oil and gas  
5 leases made by the board may authorize a royalty of less than twelve and one-half percent for  
6 production from stripper well properties or individual stripper wells and qualifying secondary  
7 recovery and qualifying tertiary recovery projects as defined in section 57-51.1-01. Leases ~~for~~  
8 ~~gas, coal, cement materials, sodium sulfate, sand and gravel, road material, building stone,~~  
9 ~~chemical substances, metallic ores, or colloidal or other clays~~ issued by the board under section  
10 15-05-09 for products other than oil and gas must ~~be made by the board in such annual~~  
11 ~~payments~~ provide for adequate rental payments and other provisions as ~~are~~ determined by the  
12 board. The board may adopt rules regarding ~~annual~~ rental payments and royalties under this  
13 section.

14       **SECTION 3.** Chapter 38-25 of the North Dakota Century Code is created and enacted as  
15 follows:

16       **38-25-01. Definitions.**

17       As used in this section:

- 18       1. "Commission" mean the industrial commission.
- 19       2. "Gas" includes all natural gas, including hydrogen, and all other fluid hydrocarbons not  
20       defined as oil.
- 21       3. "Geological storage" means the underground storage of oil or gas in a storage  
22       reservoir or salt cavern.
- 23       4. "Oil" includes crude petroleum oil and other hydrocarbons regardless of gravity which  
24       are produced at the wellhead in liquid form and the liquid hydrocarbons known as  
25       distillate or condensate recovered or extracted from gas, other than gas produced in  
26       association with oil and commonly known as casinghead gas.
- 27       5. "Permit" means a permit issued by the commission allowing a person to operate an  
28       underground storage facility.
- 29       6. "Pore space" has the same meaning as in section 47-31-02.
- 30       7. "Reservoir" means a subsurface sedimentary stratum, formation, aquifer, or void,  
31       whether natural or artificially created, including oil and gas reservoirs and saline

1           formations suitable for or capable of being made suitable for injecting, storing, and  
2           withdrawing oil or gas. The term does not include salt caverns.

3       8. "Salt cavern" means a natural occurring cavity contained within a salt formation or a  
4           cavity created in a salt formation by solution mining, suitable for injecting, storing, and  
5           withdrawing oil or gas.

6       9. "Solution mining" means the process of injecting fluid into a well to dissolve rock salt  
7           or other readily soluble rock to create a salt cavern for underground storage of oil or  
8           gas.

9       10. "Storage facility" means the reservoir, salt cavern, underground equipment, and  
10           surface facilities and equipment used or proposed to be used in an underground  
11           storage operation. The term does not include a pipeline used to transport oil or gas to  
12           the storage facility.

13       11. "Storage operator" means a person holding or applying for a permit.

14       **38-25-02. Commission authority.**

15       The commission has authority:

16       1. Over all persons and property necessary to administer and enforce this chapter.

17       2. To regulate activities relating to an underground storage facility, including construction,  
18           solution mining to create salt caverns, operation, and closure.

19       3. To enter an underground storage facility at a reasonable time and manner to inspect  
20           equipment and facilities, to observe, monitor, and investigate operations, and to  
21           inspect records required to be maintained at the facility.

22       4. To require storage operators provide financial assurance, including bonds, to ensure  
23           money is available to fulfill the storage operator's duties.

24       5. To exercise continuing jurisdiction over storage operators and storage facilities,  
25           including the authority to amend or revoke a permit after notice and hearing.

26       6. After notice and hearing, to dissolve or change the boundaries of any commission  
27           established oil or gas field or unit within or near a storage reservoir's or salt cavern's  
28           boundaries.

29       7. After notice and hearing, to adopt reasonable rules and issue reasonable orders to  
30           implement the policies of this chapter.

1       8. After notice and hearing, to grant exceptions to this chapter's requirements and  
2           implementing rules for good cause.

3       **38-25-03. Permit required - Permit transfer.**

4       Geologic storage is allowed if permitted by the commission. A permit may be transferred if  
5 the commission consents.

6       **38-25-04. Permit hearing - Hearing notice.**

7       1. The commission shall hold a public hearing before issuing any storage permit.

8       2. Notice of the hearing must be published for two consecutive weeks in the official  
9 newspaper of the county or counties where the storage reservoir or salt cavern is  
10 proposed to be located and in any other newspaper the commission requires.

11 Publication deadlines must comply with commission requirements.

12       3. Notice of hearing must be given to each surface owner of land overlying the storage  
13 reservoir or salt cavern and within one-half mile [0.80 kilometer] of the reservoir's or  
14 salt cavern's boundaries.

15       4. If the proposed storage facility contemplates storage of oil or gas in an oil and gas  
16 reservoir, notice of the hearing also must be given to each mineral lessee, mineral  
17 owner, and pore space owner within the storage reservoir and within one-half mile  
18 [0.80 kilometer] of the storage reservoir's boundaries.

19       5. If the proposed storage facility contemplates storage of oil or gas in a salt cavern,  
20 notice of the hearing must be given to each salt mineral lessee, salt mineral owner,  
21 and pore space owner within the salt cavern outer boundaries and within one-half mile  
22 [0.80 kilometer] of the outer boundaries of the salt cavern, or as otherwise may be  
23 required by the commission.

24       6. If the storage facility contemplates storage of oil or gas in a saline formation or aquifer,  
25 notice of hearing must be given to each pore space owner within the storage reservoir  
26 and within one-half mile [0.80 kilometer] of the storage reservoir's boundaries.

27       7. Hearing notices required by this section must comply with the deadlines set by the  
28 commission and must contain the information the commission requires.

29       **38-25-05. Permit requirements - Storage in oil and gas reservoir.**

30       Before issuing a permit for storage in an oil and gas reservoir, the commission shall find:

- 1       1. The storage operator has or will obtain the consent by lease, purchase, or other  
2           agreement from all surface owners where surface disturbance activities are necessary  
3           and surface facilities will be located.
- 4       2. The storage operator has complied with all requirements set by the commission.
- 5       3. The storage facility is suitable and feasible for the injection, storage, and withdrawal of  
6           oil or gas.
- 7       4. The storage operator has made a good-faith effort to get the consent of all persons  
8           that own the storage reservoir's pore space.
- 9       5. The storage operator has made a good-faith effort to obtain the consent of all persons  
10          that own oil and gas minerals and oil and gas leases.
- 11       6. The storage operator has obtained the consent of persons that own at least fifty-five  
12          percent of the storage reservoir's pore space unless the percentage required to unitize  
13          the oil and gas unit is otherwise provided for by order of the commission before  
14          August 1, 2021, if so the percentage in the order prevails.
- 15       7. The storage operator has obtained the consent of persons that own at least fifty-five  
16          percent of the storage reservoir's oil and gas minerals and oil and gas leases unless  
17          the percentage required to unitize the oil and gas unit is otherwise provided for by  
18          order of the commission before August 1, 2021, if so then the percentage in the order  
19          prevails.
- 20       8. Whether the storage reservoir contains any commercially valuable oil, gas, or other  
21          minerals and, if it does, a permit may be issued only if the commission is satisfied the  
22          interests of the mineral owners or mineral lessees will not be affected adversely or  
23          have been addressed in an arrangement entered by the mineral owners or mineral  
24          lessees and the storage operator.
- 25       9. The proposed storage facility will not affect adversely surface waters or formations  
26          containing fresh water.
- 27       10. The injected oil or gas will not escape from the storage reservoir.
- 28       11. The storage facility will not endanger health or unduly endanger the environment.
- 29       12. The storage facility is in the public interest.
- 30       13. The vertical boundaries of the storage reservoir are defined to include any necessary  
31          or reasonable buffer zones for the purpose of ensuring the safe operations of the

1           storage facility and to protect the storage facility against pollution, invasion, and  
2           escape or migration of oil or gas therefrom.

3       14.   The horizontal extent of the injected gas within the storage reservoir, as estimated by  
4           reasonable means and confirmed through appropriate monitoring methods, are  
5           defined to include any necessary or reasonable buffer zones for the purpose of  
6           ensuring the safe operations of the storage facility and to protect the storage facility  
7           against pollution, invasion, and escape or migration of oil or gas therefrom.

8       15.   The storage operator will establish monitoring facilities and protocols to assess the  
9           location and migration of oil and gas, if any, injected for storage and to ensure  
10          compliance with all permit, statutory, and administrative requirements.

11       16.   All nonconsenting owners are or will be compensated equitably.

12       **38-25-06. Permit requirements - Storage in saline reservoir or aquifer.**

13       Before issuing a permit for storage in a saline reservoir or aquifer, the commission shall

14       find:

15       1.   The storage operator has or will obtain the consent by lease, purchase, or other  
16           agreement from all surface owners where surface disturbance activities are necessary  
17           and surface facilities will be located.

18       2.   The storage operator has complied with all requirements set by the commission.

19       3.   The storage facility is suitable and feasible for the injection, storage, and withdrawal of  
20           oil or gas.

21       4.   The storage operator has made a good-faith effort to obtain the consent of all persons  
22           that own the storage reservoir's pore space.

23       5.   The storage operator has obtained the consent of persons that own at least

24           ~~fifty-five~~sixty percent of the storage reservoir's pore space.

25       6.   The proposed storage facility will not affect adversely surface waters or formations  
26           containing fresh water.

27       7.   The injected oil or gas will not escape from the storage reservoir.

28       8.   The storage facility will not endanger health or unduly endanger the environment.

29       9.   The storage facility is in the public interest.

30       10.  The vertical boundaries of the storage reservoir are defined to include any necessary  
31           or reasonable buffer zones for the purpose of ensuring the safe operations of the

1           storage facility and to protect the storage facility against pollution, invasion, and  
2           escape or migration of oil or gas therefrom.

3       11.   The horizontal extent of the injected gas within the storage reservoir, as estimated by  
4           reasonable means and confirmed through appropriate monitoring methods, are  
5           defined to include any necessary or reasonable buffer zones for the purpose of  
6           ensuring the safe operations of the storage facility and to protect the storage facility  
7           against pollution, invasion, and escape or migration of oil or gas therefrom.

8       12.   The storage operator will establish monitoring facilities and protocols to assess the  
9           location and migration of oil and gas, if any, injected for storage and to ensure  
10          compliance with all permit, statutory, and administrative requirements.

11       13.   All nonconsenting pore space owners are or will be compensated equitably.

12       **38-25-07. Permit requirements - Storage in salt cavern.**

13       Before issuing a permit for storage in a salt cavern, the commission shall find:

14       1.   The storage operator has or will obtain the consent by lease, purchase, or other  
15          agreement from all surface owners where surface disturbance activities are necessary  
16          and surface facilities will be located.

17       2.   The storage operator has complied with all requirements set by the commission,  
18          including all necessary permits to conduct solution mining, if applicable.

19       3.   The storage facility is suitable and feasible for the injection, storage, and withdrawal of  
20          oil or gas.

21       4.   The storage operator has made a good-faith effort to obtain the consent of all persons  
22          that own the salt cavern's pore space.

23       5.   The storage operator has made a good-faith effort to obtain the consent of all persons  
24          that own the salt cavern's salt minerals and salt leases.

25       6.   The storage operator has obtained the consent of persons that own at least  
26          fifty-fivesixty percent of the salt cavern's pore space.

27       7.   The storage operator has obtained the consent of persons that own at least  
28          fifty-fivesixty percent of the salt cavern's salt minerals and salt leases.

29       8.   The proposed storage facility will not affect adversely surface waters or formations  
30          containing fresh water.

31       9.   The injected oil or gas will not escape from the salt cavern.

1        10. The storage facility will not endanger health or unduly endanger the environment.

2        11. The storage facility is in the public interest.

3        12. The horizontal and vertical boundaries of the salt cavern are defined to include a  
4        buffer zone from the outer walls of the cavern for the purpose of ensuring the safe  
5        operation of the storage facility and to protect the storage facility against pollution,  
6        invasion, and escape or migration of gas therefrom.

7        13. The storage operator will establish monitoring facilities and protocols to assess the  
8        location and migration of oil and gas, if any, injected for storage and to ensure  
9        compliance with all permit, statutory, and administrative requirements.

10       14. That all nonconsenting owners are or will be equitably compensated.

11       **38-25-08. Amalgamating property interests.**

12       If a storage operator does not obtain the consent of all persons owning a pore space and of  
13       mineral interest owners when required by this chapter, the commission may require the interest  
14       owned by the nonconsenting owners be included in an approved storage facility and subject to  
15       geologic storage.

16       **38-25-09. Ownership of oil and gas.**

17       All oil or gas previously reduced to possession and subsequently injected into underground  
18       storage facilities must be deemed the property of the storage operator subject to the obligation  
19       to pay royalties as set forth in section 38-25-10.

20       **38-25-10. Injection of produced gas - When royalties owed.**

21       1. Unless otherwise expressly agreed by the storage operator, mineral owners, and lease  
22       owners, royalties on gas produced but not sold and which is injected into a storage  
23       facility instead of flaring or for lack of market, are not due on the produced and stored  
24       gas until gas volumes actually are withdrawn from the storage facility, sold, and  
25       proceeds received from the sale.

26       2. Prior to gas being withdrawn and sold from a storage facility under this section, the  
27       storage operator, after notice and hearing, shall obtain approval from the commission  
28       evidencing a reasonable and equitable method of allocation of the stored gas sale  
29       proceeds to the rightful mineral, royalty, and leasehold owners of the gas injected into  
30       storage. The commission may adopt such rules and orders as necessary to implement  
31       the purposes of this section.



1        **38-25-11. Application.**

2        This chapter does not apply to applications filed with the commission which propose to use  
3 produced gas for an enhanced oil or gas recovery project. Those applications must be  
4 processed under chapter 38-08.