

- | Legend | |
|---------------|----------------------------------|
| ● | missing source |
| ● | POSTPLOT_REC_3D |
| ● | POSTPLOT_SRC_3D |
| — | 3D_SRC_ARC_3D |
| — | 3D_REC_ARC_3D |
| — | PRE_SRC_3D |
| — | PRE_REC_3D |
| — | Access_Route |
| ■ | Pond_Polygon |
| ■ | Buildings_Polygon |
| ■ | Coal_Stockpile_Parameter_Polygon |
| ● | -all other values- |
| Building_T | |
| ■ | Building_NO_Buffer |
| ■ | Building_W_Buffer |
| ■ | House |
| — | DC Pipelines |
| ■ | Cultural |
| — | CULTURE_LINES |
| ■ | CULTURE_AREAS |
| ■ | Crossing |
| ■ | DAM Dam |
| ● | -all other values- |
| Gate_Type | |
| ● | Access_Point |
| ● | Locked |
| ● | Open |
| ● | -all other values- |
| Fence_Type | |
| — | Barr |
| — | Down_Fence |
| — | Electric |
| — | Game |
| — | Hazard_Poace |
| — | Pipeline |
| Road_Type | |
| — | County |
| — | Dirt |
| — | Haul_RD |
| — | STAY_OFF |
| — | Trail_No_Truck |
| — | Trail_Truck |
| — | Land_Type |
| — | Magnet_Not_Mapped |
| — | Railroad |
| — | Well |
| — | -all other values- |
| Utility_Ty | |
| — | High Voltage Line |
| — | Overhead Powerline |
| — | Water_Body |
| — | Streams |
| — | Lakes |
| — | CarbonSAFE Buffers |
| — | -all other values- |
| Comment | |
| ■ | High Voltage |
| ■ | Landfill |
| ■ | Spill_Pile |
| GAS/E Parcels | |
| ■ | -all other values- |
| STATUS | |
| ■ | GOOD |
| ■ | MPC |
| ■ | NO PERMIT |
| ■ | STATE |
| ■ | Spot_Plas_Polygon |



GEOPHYSICAL EXPLORATION COMPLETION REPORT - FORM GE 6A
INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51456 (03-2011)

Received

SEP 25 2020

ND Oil & Gas Division

Permit No. 970299	
Shot Hole Operations N/A	*Non-Explosive Operations Vibroseis

SECTION 1

Geophysical Contractor SAExploration Seismic Services (US) LLC	
Project Name and Number 970298 - CarbonSAFE PH3 3D	County(s) Oliver
Township(s) 142N, 141N	Range(s) 84W, 83W
Drilling and Plugging Contractors N/A - Vibroseis only	
Date Commenced August 15, 2020	Date Completed September 9, 2020

SECTION 2

First S.P. #	Last S.P. #											
Loaded Holes (Undetonated Shot Points)												
S.P.#s												
Charge Size												
Depth												
Reasons Holes Were Not Shot												

SECTION 3

Flowing Holes and/or Blowouts S.P.#s
Procedure for Plugging Flowing Holes and/or Blowouts
Include a 7.5 minute USGS topographic quadrangle map or a computer generated post-plot facsimile of the approximate scale displaying each individual shot hole, SP #, line #, and legal location.

*Non-Explosive Operations - Complete Section 1 and Affidavit (Form GE 6B).



Received

SEP 25 2020

ND Oil & Gas Division

PERMIT NAME (Required): CarbonSAFE PH3 3D

PERMIT NUMBER: 970299

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF Texas)

COUNTY OF Fort Bend)

Before me, Shelly L Lawson, a Notary Public in and for the said

County and State, this day personally appeared Eric Miller

who being first duly sworn, deposes and says that (s)he is employed by

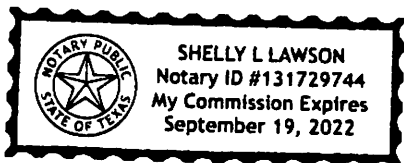
SAExploration Seismic Services, that (s)he has read North Dakota

Century Code Section 38-08.1, that the foregoing seismic project has been completed in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the reverse side of this document are true.

[Handwritten Signature]

Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 24th day of September, 2020.



Notary Public

[Handwritten Signature: Shelly L Lawson]

My Commission Expires

Sept. 19 2022



August 13, 2020

Mr. Eric Miller
Operations Supervisor
SAExploration Seismic Services (US) LLC
1060 Dairy Ashford Rd,
Suite 160
Houston, TX 77079

RE: CarbonSAFE PH3 3-D
GEOPHYSICAL EXPLORATION PERMIT #97-0299
OLIVER COUNTY
NON-EXPLOSIVE METHODS

Dear Mr. Miller:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from August 13, 2020.

PERMIT STIPULATIONS:

- **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION)**
 - **Non-explosive exploration methods may not be conducted less than 300 feet from water wells, buildings, underground cisterns, pipelines, and flowing springs.**
- **In addition, pursuant to NDAC 43-02-12-06 (NOTIFICATION OF WORK PERFORMED), "The director is authorized to suspend operations of the entire geophysical project, or any portion thereof, if further activity will cause excessive damage to the surface of the land".**

Review the following conditions for your permit:

1. A pre-program meeting with state seismic inspector Tom Torstenson is required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations. Also, a copy of the entire permit is required for all contractors at the pre-program meeting.
2. All variances for distance restrictions are to be furnished, and a pre-plot map displaying any source points that do not comply with the distance restriction rule must be supplied to the inspector.
3. The following information must be submitted within 30 days of the completion of the project by the Geophysical Company:

Bruce E. Hicks
ASSISTANT DIRECTOR
OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR
DEPT. OF MINERAL RESOURCES

- a. Completion Report,
 - b. Completion Affidavit,
 - c. Post Plot Map. It must show all water wells, buildings, underground cisterns, pipelines, and flowing springs that fall within the program area and within one half mile of the perimeter of the program.
-
- d. Must provide a GIS layer using NAD83 in an Esri shape file format and an Image file (.img) on a Flash Drive or email: ttorstenson@nd.gov with all source and receiver points,
4. The permit agent shall notify the operator of the land at least seven days before commencement of any geophysical exploration activity, unless waived by mutual agreement of both parties. The notice must include the approximate time schedule and the location of the planned activity.
 5. Information regarding the location of water wells, springs, etc.; refer to the following ND State Water Commission Mapservice website, at: <http://mapservice.swc.state.nd.us/>
 6. The entire permit can be viewed, as well as the status of various seismic projects in the state, at: <https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp>

Should you have any questions regarding this matter, feel free to contact me at 701-328-8020, or Tom Torstenson at the number listed in paragraph 1.

Sincerely,



Todd L. Holweger
Permit Manager



GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK ND 58505-0640
 SFN 51458 (03-2011)

Received

AUG 11 2020

ND Oil & Gas
Division

1) a. Company SAExploration Seismic Services (USA)		Address 1160 Dairy Ashford Rd, Suite 160 Houston TX 77079			
Contact Eric Miller		Telephone (281) 638-0769		Fax	
Surety Company U.S. Specialty Insurance Company		Bond Amount 50000		Bond Number B012370	
2) a. Subcontractor(s) Pathfinder Navigation		Address 22503 Lain Road, Spring TX 77379		Telephone (281) 251-7594	
b. Subcontractor(s) Integrated Geotechnical Solutions		Address 13003 Lemur Lane, Cypress TX 77429		Telephone (346) 246-7026	
3) Party Manager Jeff Fyfe		Address (local) TBD		Telephone (local) (713) 263-4480	
4) Project Name or Line Numbers CarbonSAFE PH3 3D					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) Vibroseis (2 vibs/vp 3 sweeps 20 secs). 2D and 3D to be recorded concurrently					
6) Distance Restrictions (Must check all that apply)					
<input checked="" type="checkbox"/> 300 feet - Non-Explosive - Distance setbacks apply to water wells, buildings, underground cisterns, pipelines, and flowing springs.					
<input type="checkbox"/> 660 feet - Shot Hole - Distance setbacks apply to water wells, buildings, underground cisterns, pipelines, and flowing springs.					
7) Size of Hole 3-D N/A		Amt of Charge N/A	Depth N/A	Source points per sq. mi. 216	No. of sq. mi. 13.39
Size of Hole 2-D N/A		Amt of Charge N/A	Depth N/A	Source points per ln. mi.	No. of ln. mi.
8) Approximate Start Date August 15, 2020				Approximate Completion Date September 10, 2020	

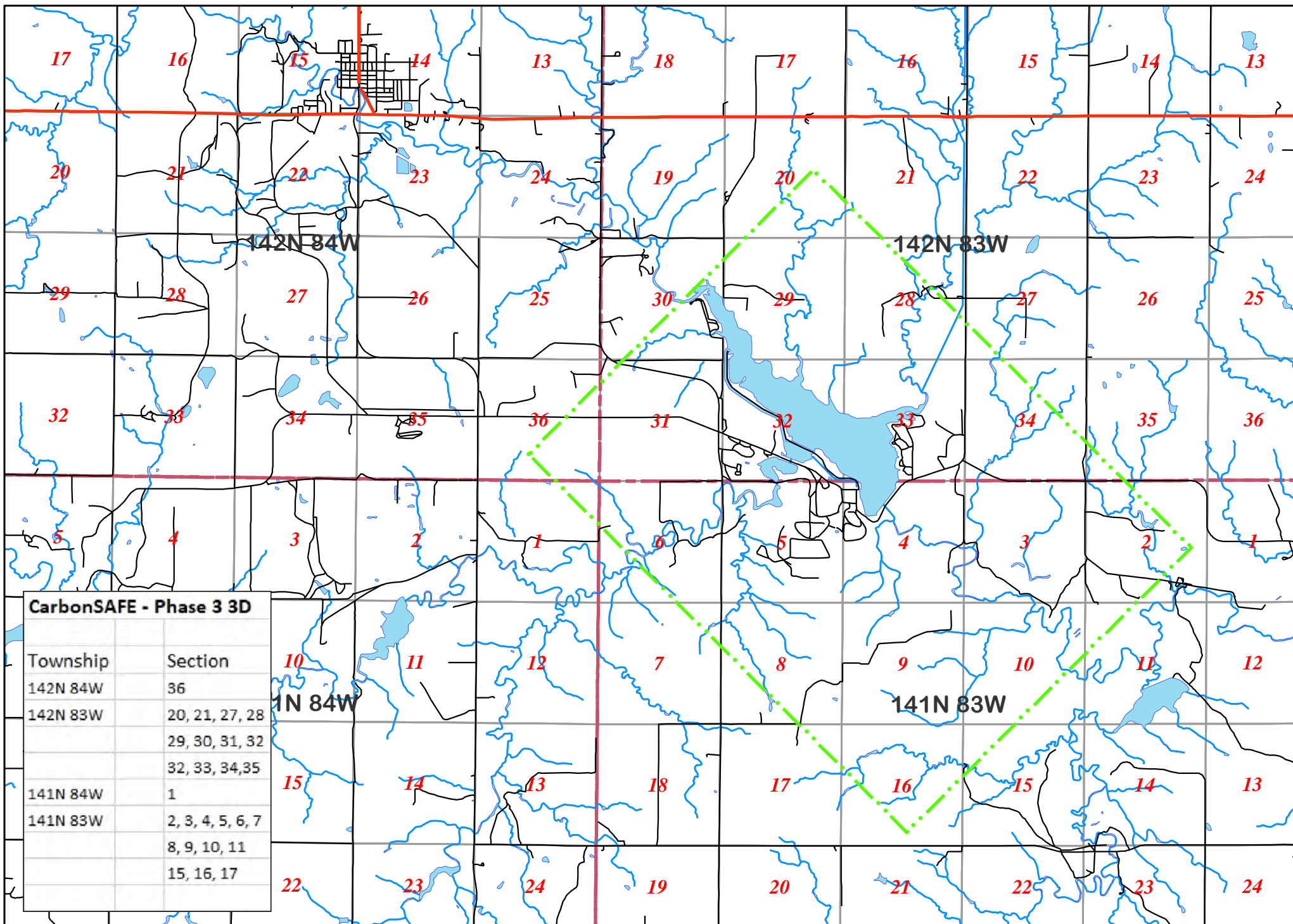
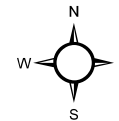
THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF GEOPHYSICAL OPERATIONS

9) Location of Proposed Project - County Oliver						
Section(s), Township(s) & Range(s)	Section	36	T.	142N	R.	84W
	Section	20,21,27,28,29,30,31,32,33,34,35	T.	142N	R.	83W
	Section	1	T.	141N	R.	84W
	Section	2,3,4,5,6,7,8,9,10,11,15,16,17	T.	141N	R.	83W
	Section		T.		R.	
	Section		T.		R.	

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.			Date August 7, 2020
Signature 	Printed Name Eric Miller	Title Operations Supervisor	
Email Address(es) emiller@saexploration.com			

(This space for State office use)		Permit Conditions	
Permit No. 97-0299	Approval Date 8/13/20	* Permit in hand required at pre-program meeting with field inspector and be aware of all NDIC Rules and Regulations (i.e. distance restrictions)	
Approved by 		* See attached letter.	
Title Mineral Resources Permit Manager			

*See Instructions On Reverse Side





August 13, 2020

The Honorable Judith Hintz
Oliver County Auditor
P.O. Box 188
Center, ND 58530-0188

RE: Geophysical Exploration
Permit # 97-0299

Dear Ms. Hintz,:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that the SAExploration Seismic Services (US) LLC was issued the above captioned permit on August 13, 2020 and will remain in effect for a period of one year. The entire permit can be viewed on our website at: <https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp>

Should you have any questions, please contact our office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Todd L. Holweger".

Todd L. Holweger
Permit Manager

AFFIDAVIT OF NOTICE

BEFORE ME, the undersigned authority, personally appeared Shannon R. Mikula of Minnkota Power Cooperative, Inc. whose office is located at 5301 32nd Avenue South, Grand Forks, ND 58201 who being duly sworn, upon oath stated and affirmed that:

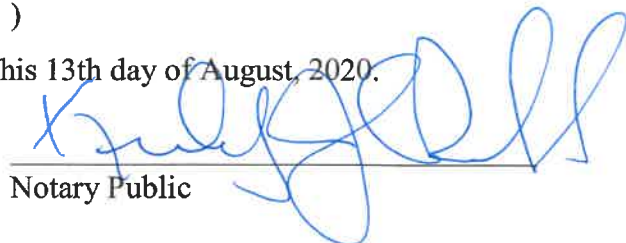
1. My name is Shannon R. Mikula. I am over eighteen years of age. I have personal knowledge of the facts stated by me in this Affidavit and that they are true and correct. I have never been convicted of any felony or of any crime involving moral turpitude and am fully competent to make this Affidavit.
2. I hold the position of special project counsel for Minnkota Power Cooperative, Inc. ("Minnkota"). By virtue of my position with Minnkota I am authorized to make the representations contained in this affidavit on behalf of Minnkota and SAExploration.
3. All landowners within 1/2 mile of proposed project area for the CarbonSafe-Phase 3 3D and 2D Lines as shown on the attached maps have been notified of the approximate schedule for activities and have been provided the North Dakota Century Code section 38-08.1-04.1 and Chapter 38-11-1.
4. Also attached is the template notification letter and enclosures sent to all landowners within 1/2 mile of the proposed project area.
5. Representatives from Minnkota also presented notice to the Oliver County Auditor.
6. The proposed project will not use vibroseis trucks or dynamite sources on state or county roadways, railways, transmission lines, subsurface pipelines/infrastructure and associated right-of-ways.
7. Sensors will be placed on and within county highway right-of-ways, and we have requested the attached permission from the Oliver County Highway Department for such activities.
8. No setback variances were sought.
9. I affirm under penalty of perjury that the representations contained in this affidavit are true, to the best of my knowledge, information, and belief.
10. Further, the affiant sayeth naught.

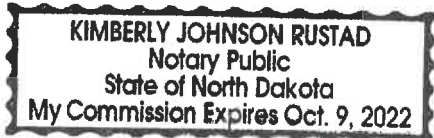
Executed this 13th day of August 2020.


 Shannon R. Mikula

STATE OF NORTH DAKOTA)
)SS.
 COUNTY OF GRAND FORKS)

Subscribed and sworn to before me this 13th day of August, 2020.


 Notary Public



<DATE>

<LANDOWNER NAME>
< LANDOWNER ADDRESS>
<CITY, STATE ZIP>

Subject: Notice of Upcoming Geophysical Survey

Dear <LANDOWNER NAME>,

As required by North Dakota Century Code (NDCC), this letter is to notify you, as the landowner or operator of the land, that a field crew from Breckenridge Geophysical and Exploration Geophysics, Inc. contracted by Minnkota Power Cooperative, Inc. will be conducting a 3D geophysical survey near the Milton R. Young Station, Center, North Dakota, between August 15 and September 11, 2020. The 3D geophysical survey will consist of the following activity schedule (weather permitting): August 15-30 surveyors stake routes and location of source sites; August 16-August 30 placement of receivers; August 18-September 5 seismic survey recording; and September 3-September 8 clear layout. Right of way agent will contact impacted landowners to arrange for site assessment.

As we discussed, your property is located in the survey area where physical work will occur, and we appreciate your cooperation and I will be in contact with you following completion of the survey. The geophysical survey is being conducted under permit from the North Dakota Industrial Commission and with the knowledge of the Oliver County Commissioners.

The survey is intended to provide scientific data specifically for the geologic storage characterization associated with Minnkota Power Cooperative, Inc.'s Project Tundra. Although this geophysical surveying is for subsurface storage characterization, and not for purposes of oil and gas exploration, NDCC requires us to provide you with the following Sections of the Code:

- A copy of NDCC Section 38-08.1-04.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil and Gas Production Damage Compensation).

I have also enclosed an additional item that provides more information about the geophysical survey that will be happening in your area and why it is important to us and the community:

- A Geophysical Survey FAQ (frequently asked questions) for this activity

We look forward to working with you and the other residents of Oliver County to enable the continued use of North Dakota's resources in a safe, efficient, and environmentally responsible manner. Should you have any immediate questions or concerns, please contact me by phone at 701-795-4336 or by e-mail at cbeckel@minnkota.com.

Sincerely,

Cole Beckel
Right of Way Agent

SRM/cb

Enclosures

<DATE>

<LANDOWNER NAME>
< LANDOWNER ADDRESS>
<CITY, STATE ZIP>

Subject: Notice of Upcoming Geophysical Survey

Dear <LANDOWNER NAME>,

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While you are not located within the survey area where physical work will occur, you have been identified as a landowner or land tenant within ½ mile of the proposed geophysical survey boundary. The geophysical survey is being conducted under permit from the North Dakota Industrial Commission and with the knowledge of the Oliver County Commissioners. The survey is intended to provide scientific data for the geologic storage characterization associated with Minnkota Power Cooperative, Inc.'s Project Tundra. Although this geophysical surveying is for subsurface storage characterization, and not for purposes of oil and gas exploration, NDCC requires us to provide you with the following Sections of the Code:

- A copy of NDCC Section 38-08.1-04.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil and Gas Production Damage Compensation).

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Sincerely,

Cole Beckel
Right of Way Agent

SRM/cb

Enclosures



NORTH DAKOTA
CarbonSAFE

ACTIVITY FAQs

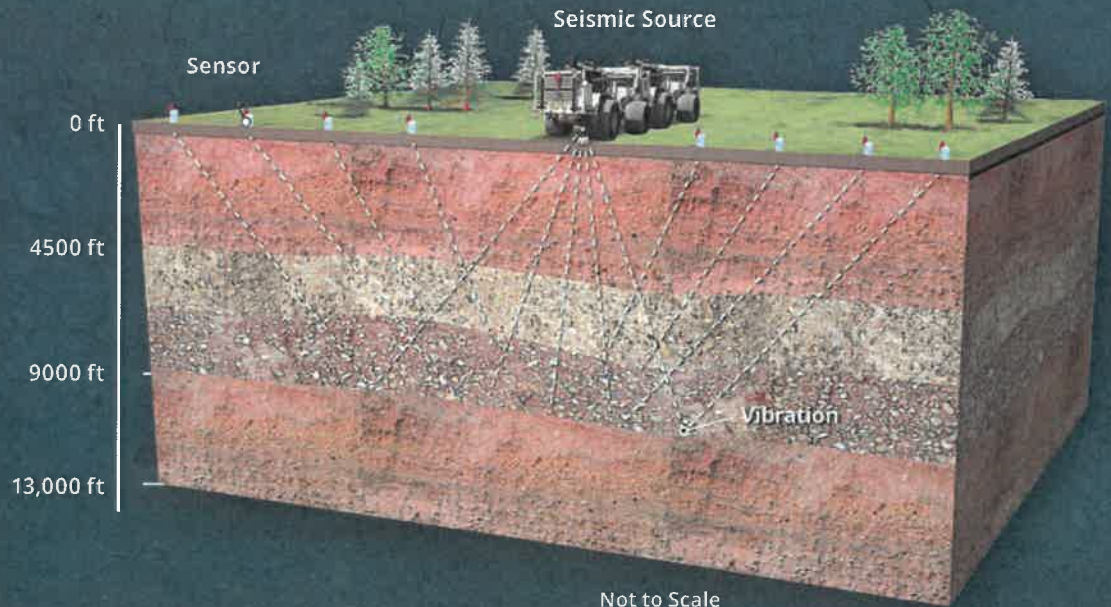
INVESTIGATING SAFE, PERMANENT GEOLOGIC STORAGE OF CO₂ IN NORTH DAKOTA

Geophysical Survey near Milton R. Young Station

In late summer 2020, a field crew will conduct a geophysical survey near Milton R. Young Station to collect information about rock layers in the deep subsurface. The data gathering is part of Project Tundra and the North Dakota CarbonSAFE research effort, which is assessing safe, permanent, commercial-scale geologic storage for carbon dioxide from Young Station.

What Is a Geophysical Survey?

A truck-mounted device called a seismic source generates vibrations using a metal plate that is laid on the ground and shaken side to side. The vibrations travel deep into the earth and are reflected back to the surface. Sensors at the surface record the reflected vibration. Geophysicists decipher these signals to learn about the subsurface rock layers.



Geophysical surveys are a common data collection tool and have been used in every county in western North Dakota.

What Is the Benefit of the Survey?

Researchers will use the data from the geophysical survey to evaluate rock layers up to nearly 2 miles below the surface, develop more accurate computer models to simulate where injected CO₂ might travel, and evaluate the suitability of the storage zones. This information will help with permitting the commercial geologic storage deep underground should the project move forward.

What Is the Community Impact?

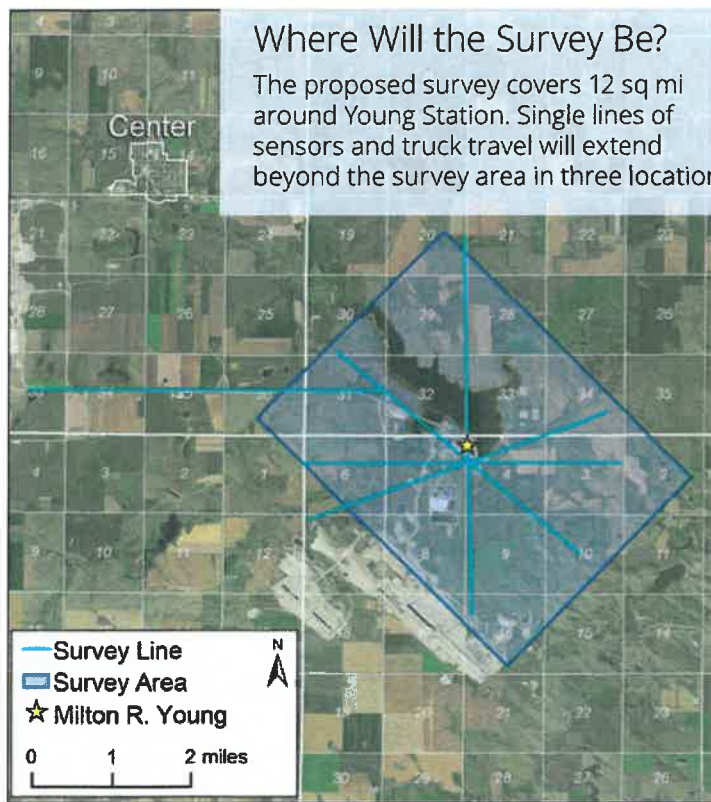
Safety and courtesy are top priorities during this survey. A low-level noise similar to that of a passing truck will be generated at each location from the vibrating truck-mounted plates. A person standing 100 feet from the source will not feel ground vibration. Care will be taken to avoid or minimize any environmental impacts and maintain normal traffic flow. The work will be carried out under a permit issued by the North Dakota Industrial Commission.

What Do Landowners in the Survey Area Need to Know?

Project partner Minnkota Power Cooperative, Inc., recognizes the impact of survey work during the growing season and will contact landowners before the survey work to request permission to drive vehicles and place sensors on their land. The sensors will be pressed into the ground by hand by a field crew walking and driving pickups or ATVs. Once installed, the sensors will remain in place up to 3 weeks, until the survey is finished, as the vibroseis trucks travel through the survey area along lines spaced approximately 660 feet apart. The testing area avoids buildings and other infrastructure such as drinking water wells and pipelines. To protect the sensors, Minnkota requests that landowners avoid fieldwork in the survey area for the duration of the survey. Minnkota will work with landowners to minimize inconveniences and address concerns.

Where Will the Survey Be?

The proposed survey covers 12 sq mi around Young Station. Single lines of sensors and truck travel will extend beyond the survey area in three locations.



How Will the Survey Be Carried Out?

The test involves a network of vibrational sensors and two truck-mounted seismic sources (called vibroseis trucks). Sensors will be inserted into the ground every 165 feet along lines that are spaced 330 feet apart to record reflected vibrations generated during the survey. The survey crew will drive two large vibroseis trucks along lines spaced 660 feet apart. At 165-foot intervals along lines, the trucks will stop and vibrate the ground for 1-2 minutes. The trucks will not vibrate the ground within 300 feet of buildings and other infrastructure. The sensors will be removed after the entire area has been surveyed.



Vibroseis trucks drive across the landscape, stopping to generate vibrations every 165 feet along a path throughout the study area, avoiding buildings and infrastructure.



Careful installation of the vibration-detecting sensor before the survey begins is essential to data collection and analysis. The sensors will stay in place throughout the entire survey.

What Are the Next Steps?

Other near-term field activities are planned for late summer and fall 2020. EERC field crews will be in the same area collecting other geophysical information using gravity and magnetic survey techniques. A drilling rig set up just south of Young Station will collect rock samples from deep underground. Learn more at the project websites: www.projecttundra.com and undeerc.org/NDCarbonSAFE.

The North Dakota CarbonSAFE project is assessing safe, permanent geologic storage of carbon dioxide. Led by the Energy & Environmental Research Center at the University of North Dakota, partners include the U.S. Department of Energy National Energy Technology Laboratory, the North Dakota Industrial Commission Lignite Research Program, and Minnkota Power Cooperative.

For More Information:

- › **Wes Peck**, Project Manager, EERC
wpeck@undeerc.org
701.777.5195
- › **Nikki Massmann**
Director of Communications, EERC
nmassmann@undeerc.org
701.777.5428

- › **Dan Laudal**, Environmental Manager
Minnkota Power Cooperative, Inc.
dlaudal@minnkota.com
- › **Cole Beckel**, Right of Way Agent
Minnkota Power Cooperative, Inc.
cbeckel@minnkota.com
701.795.4336

Learn more at www.undeerc.org/NDCarbonSAFE and www.ProjectTundraND.com



Industrial Commission of North Dakota
Lignite Research, Development and
Marketing Program

Sponsored in Part by the U.S. Department of Energy





NORTH DAKOTA
CarbonSAFE

ACTIVITY FAQs

INVESTIGATING SAFE, PERMANENT GEOLOGIC STORAGE OF CO₂ IN NORTH DAKOTA

Gravity and Magnetic Surveys near Young Station

In late summer 2020, a six-person field crew will conduct gravity and magnetic surveys near Milton R. Young Station to gather information about rock layers in the deep subsurface. The data gathering is part of Project Tundra and the North Dakota CarbonSAFE research effort, which is assessing safe, permanent, commercial-scale geologic storage for carbon dioxide from Young Station.

What Is a Gravity Survey?

The strength of Earth's gravity field becomes stronger or weaker depending on the density of the geologic material below the surface. A gravity survey uses the changes in the gravity field to estimate the density of the rock layers.



Technicians carry battery-operated gravity survey instruments to collect readings every 165 feet along paths throughout the study area.

What Is a Magnetic Survey?

Field teams measure the natural magnetic field strength at points across a grid in a survey area and compare changes to look for inconsistencies in the shallow and deep subsurface rock layers. Highly magnetic materials like iron-rich rock create a stronger magnetic field than other rock layers.



Example of a magnetic survey: a magnetometer measurement in progress.

What Is the Benefit of the Surveys?

The results of these surveys will be used to assess whether these lower-impact approaches will work to track the injected CO₂. This information will help with permitting the commercial geologic storage deep underground should the project move forward.

What Is the Community Impact?

Safety and courtesy are top priorities during this survey. The survey crew will travel by foot and ATVs along a 12-sq-mile grid. Care will be taken to avoid or minimize any environmental impacts and maintain normal traffic flow. The low-impact work requires landowner permission for access.

What Do Landowners in the Survey Area Need to Know?

Project partners Minnkota Power Cooperative, Inc., and the Energy & Environmental Research Center will contact landowners to request permission to walk or drive ATVs on their land before placing marking stakes. Once installed, the markers will remain in place up to 2 weeks as the field crews walk a grid pattern across the area. Testing will avoid buildings and other infrastructure such as drinking water wells. Minnkota will work with landowners to minimize inconveniences and address concerns.

How Is a Survey Carried Out?

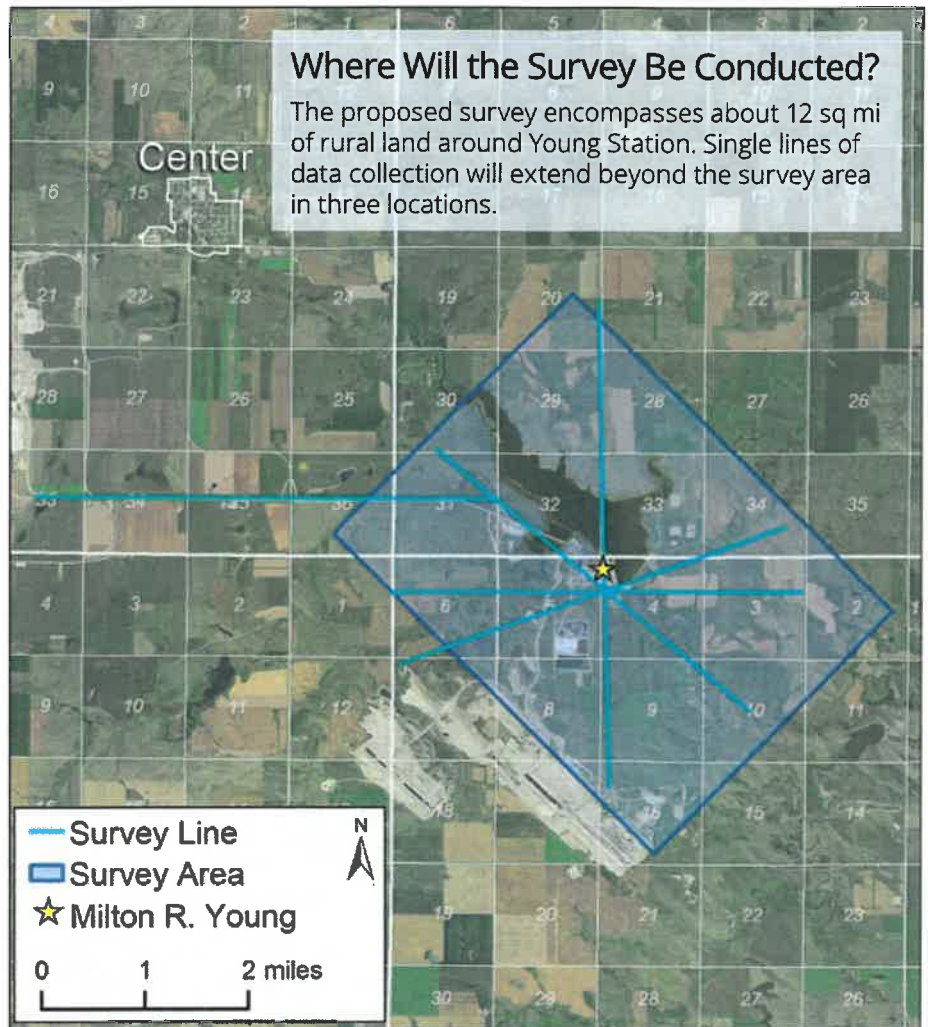
The test involves three sets of survey crews to 1) mark data collection points, 2) collect gravity readings, and 3) collect magnetic readings. Marking stakes will be inserted into the ground in a grid pattern every 165 feet along lines that are spaced 330 feet apart to record natural gravity and magnetic fields during the survey. At 165-foot intervals along lines, the crews will stop for about 20 minutes to collect data. The procedures look similar to those of a land survey crew.

What Are the Next Steps?

Other near-term field activities are planned for late summer and fall 2020. Field crews will be in the same area around Young Station conducting a geophysical survey using vibroseis trucks and sensors. A drilling rig set up just south of Young Station will collect rock samples and other information from deep underground. Learn more at the project websites: www.projecttundra.com undeerc.org/ NDCarbonSAFE.com.

Where Will the Survey Be Conducted?

The proposed survey encompasses about 12 sq mi of rural land around Young Station. Single lines of data collection will extend beyond the survey area in three locations.



The North Dakota CarbonSAFE project is assessing safe, permanent geologic storage of carbon dioxide. Led by the Energy & Environmental Research Center at the University of North Dakota, partners include the U.S. Department of Energy National Energy Technology Laboratory, the North Dakota Industrial Commission Lignite Research Program, and Minnkota Power Cooperative.

For More Information:

› **Wes Peck**, Project Manager, EERC
wpeck@undeerc.org
701.777.5195

› **Nikki Massmann**
Director of Communications, EERC
nmassmann@undeerc.org
701.777.5428

› **Dan Laudal**, Environmental Manager
Minnkota Power Cooperative, Inc.
dlaudal@minnkota.com

› **Cole Beckel**, Right of Way Agent
Minnkota Power Cooperative, Inc.
cbeckel@minnkota.com
701.795.4336

Learn more at www.undeerc.org/NDCarbonSAFE and www.ProjectTundraND.com



Industrial Commission of North Dakota
Lignite Research, Development and
Marketing Program

Sponsored in Part by the U.S. Department of Energy



August 12, 2020

Kyle Miller,
County Roads Superintendent, Oliver County
PO Box 188
115 West Main
Center, ND 58530

Re: Geophysical Survey Access Permit-County Highway Right-of-Ways

Dear Superintendent Miller,

A field crew contracted by Minnkota Power Cooperative, Inc. ("Minnkota") will be conducting a geophysical survey near Center, North Dakota, between late mid-August and mid-September. The geophysical survey is part of Project Tundra to characterize the subsurface geology. The geophysical survey is being conducted under permit from the North Dakota Industrial Commission and with the knowledge of the Oliver County Commissioners and City of Center.

In furtherance of collecting data through geophysical survey, Minnkota is requesting permission to temporarily place sensors on the county roadway rights-of-way (ROWs). Crews would access the ROWs starting on or about August 15, 2020, to mark sensor locations with survey flags or stakes, which would remain in place through the end of survey activities, tentatively September 12 (week of September 7). Small sensors that sit on the surface of the ground would then be placed at those staked locations for a period of 14-20 days starting on or about September. No sensors will be placed on the county roadways. As part of the geophysical survey, vibroseis trucks will be operated within the survey area; however, vibroseis trucks will not be used on the county roadways or the associated ROWs.

We do not anticipate any damages to occur on county roadways or the associated ROWs. I will arrange a time to meet with you to be onsite as soon after the survey activities are completed, to assess damage, if any, proximately caused by the survey activities. Throughout the survey activities Minnkota and its agents and contractors will comply with applicable highway regulations, take commercially reasonable safety precautions, and will be responsible for reasonable damages to the roadway proximately caused by survey activities.

Should you have any questions or concerns, please contact the undersigned, Cole Beckel, Right of Way Agent, by phone at 218-230-4971 or by e-mail at cbeckel@minnkota.com. We welcome the opportunity to discuss the geophysical survey with you further and appreciate your kind consideration.

Sincerely,

Cole Beckel
Right of Way Agent
Minnkota Power Cooperative, Inc.

The undersigned is vested with the authority to act on behalf of Oliver County, and hereby permits access to and use of the county roadway ROWs under the terms and conditions, and for purposes and in furtherance of the activities, described herein:

Kyle Miller,
As County Roads Superintendent,
Oliver County Highway Department

Date