

# Oil and Gas Division

Nathan D. Anderson-Director      Mark F. Bohrer - Assistant Director

**North Dakota Industrial Commission**

**Department of Mineral Resources**

Nathan D. Anderson-Director

[www.dmr.nd.gov/oilgas/](http://www.dmr.nd.gov/oilgas/)

October 24, 2024

Bruce Fulker  
Agent for Echo Seismic USA  
Echo Seismic USA  
4500 8A Street NE  
Calgary, AB T2E 4J7

RE:   COTEAU 2-D T1 SURVEY  
      GEOPHYSICAL EXPLORATION PERMIT #97-0342  
      MERCER COUNTY  
      NON-EXPLOSIVE METHOD

Dear Mr. Fulker:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from October 24, 2024.

## **PERMIT STIPULATIONS:**

- **Echo Seismic USA must contact seismic inspector Tom Torstenson at (701) 290-1546 72 hours prior, to arrange a start-up meeting. Also, a copy of the entire permit is required for all contractors at the start up meeting.**
- **Echo Seismic USA must contact Tom Torstenson at (701) 290-1546 24 hours prior to conducting any geophysical activities.**
- **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. 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.
2. The following information must be submitted within 30 days of the completion of the project by the Geophysical Company:
  - 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](mailto:ttorstenson@nd.gov) with all source and receiver points,
3. 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.
  4. 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/>
  5. 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 our office.

Sincerely,



Todd L. Holweger  
Permit Manager/Geophysical Supervisor

Cc: Milt Tetzlaff  
Echo Seismic USA  
4833 Front Street, Unit B 435  
Castle Rock, CO 80104



**GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1**  
 INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51459 (03-2011)

Received

OCT 14 2024

ND Oil & Gas  
Division

1) a. Company <b>Echo Seismic USA</b>		Address <b>4833 Front Street, Unit B 435, Castle Rock, CO. 80104</b>			
Contact <b>Milt Tetzlaff</b>		Telephone <b>403.216.5919</b>	Fax <b>403.216.0989</b>		
Surety Company <b>Bank of North Dakota</b>		Bond Amount <b>\$50,000.00</b>	Bond Number <b>GEO 307</b>		
2) a. Subcontractor(s) <b>Skyway Field Service (Survey)</b>		Address <b>1850 Rannoch Rd Longmont CO 80504</b>		Telephone <b>720.545.3126</b>	
b. Subcontractor(s)		Address		Telephone	
3) Party Manager <b>Brad MacKinnon</b>		Address (local)		Telephone (local) <b>403.988.0031</b>	
4) Project Name or Line Numbers <b>Coteau 2D T1 Survey</b>					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) <b>Vibroseis</b>					
6) Distance Restrictions (Must check all that apply)					
<input checked="" type="checkbox"/> 300 feet - NonExplosive - 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	Amt of Charge	Depth	Source points per sq. mi.	No. of sq. mi.	
3-D					
Size of Hole	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	
2-D	N/A	N/A	105.6	24.08	
8) Approximate Start Date <b>October 25, 2024 Survey - Recording October 30, 2024</b>			Approximate Completion Date <b>November 10, 2024</b>		

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

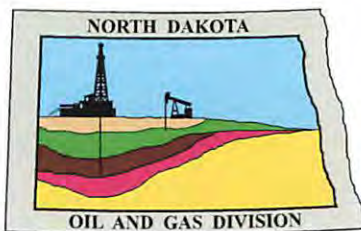
9) Location of Proposed Project - County <b>Mercer County "See attached Exhibit A"</b>						
Section(s), Township(s) & Range(s)	Section	31-32	T.	146	R.	87
	Section	5-6-7-8-17-18-19-20	T.	145	R.	87
	Section	25-34-35-36	T.	146	R.	88
	Section	1-2-3-4-9-10-11-12-13-14-15-16-23-24	T.	145	R.	88
	Section		T.		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 **October 1, 2024**

Signature *B. J. Fulker* Printed Name **Bruce Fulker** Title **Agent for Echo Seismic USA**

Email Address(es)  
bfulker@cougarlandservices.net

(This space for State office use)		<b>Permit Conditions</b>	
Permit No. <b>97-0342</b>	Approval Date <b>10/24/24</b>	* 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 <i>[Signature]</i>		* See attached letter.	
Title <b>Mineral Resources Permit Manager</b>			



# Oil and Gas Division

Nathan D. Anderson-Director      Mark F. Bohrer - Assistant Director

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October 24, 2024

The Honorable Carmen Reed  
Mercer County Auditor  
P.O. Box 39  
Stanton, ND 58571-0039

RE:      Geophysical Exploration  
            Permit Number 97-0342

Dear Ms. Reed:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that the Echo Seismic USA was issued the above captioned permit on October 24, 2024, 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,

Todd L. Holweger

Permit Manager/Geophysical Supervisor







North Dakota Industrial Commission  
Department of Mineral Resources  
Oil & Gas Division

FORM GE 1

FILING AUTHORIZATION

COMPANY NAME: Echo Seismic USA

ADDRESS: 4833 Front Street, Unit B 435,

CITY: Castle Rock STATE: CO ZIP: 80104

This form authorizes the person(s) listed below to submit a NDIC Geophysical Exploration Permit – Form GE 1 for approval on behalf of the designated company as listed above.

A new authorization will be required if any changes are to be made to the authorized individuals on the form.

The data submitted from the authorized individuals listed below have been checked and conform to the standards and procedures set forth by the NDIC Department of Mineral Resources.

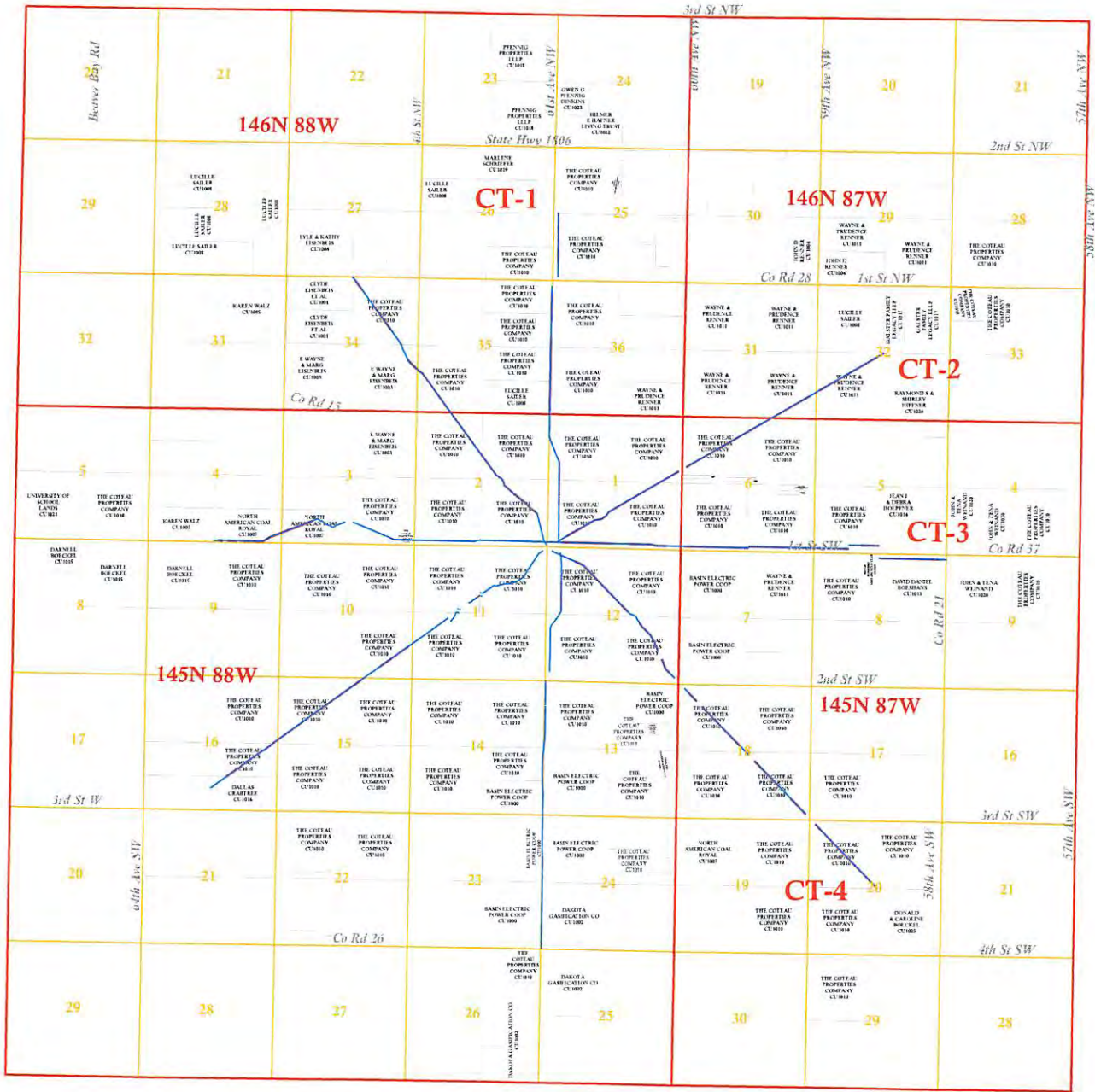
The authorized individual(s) will ensure that the company, as listed above, and party manager receive a copy of the approved Form GE 1

Authorized Individuals      Phone Number      E-Mail Address

Bruce Fulker                      713.806.2024      bfulker@cougarlandservices.net

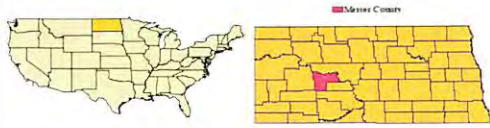
Company Authorized Signature:  Date: 11/08/2021

Printed Name: Dan McArthur Title: Corp. VP



# Coteau 2D T1 Survey Surface Map

October 14, 2024



**Legend**

- Section Boundary
- Section Number
- Section Color
- Section Owner
- Section Area

**Legend**

State Plane North Dakota South NAD 83 Scale 1:15,000

**Area Of Interest**

24.08 Linear Miles  
Mercer County  
North Dakota