



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

FEB 10 2023

Permit No. 970312		ND Oil & Gas Division
Shot Hole Operations NA	*Non-Explosive Operations Mechatronics Storm eVibe vibroseis	

SECTION 1

Geophysical Contractor UND EERC	
Project Name and Number RTE 2-D NORTH-SOUTH LINE	County(s) STARK
Township(s) 139N	Range(s) 92W
Drilling and Plugging Contractors NA	
Date Commenced January 7, 2023	Date Completed January 8, 2023

SECTION 2

First S.P. # #1, Starting on the north side	Last S.P. # #71 ending on the south side												
Loaded Holes (Undetonated Shot Points) NA													
S.P.#s													
Charge Size													
Depth													
Reasons Holes Were Not Shot													

SECTION 3

Flowing Holes and/or Blowouts S.P.#s NA
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).



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

PERMIT NAME (Required): RTE 2-D North-South Line

PERMIT NUMBER: #97-0312

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF North Dakota)

COUNTY OF Stark)

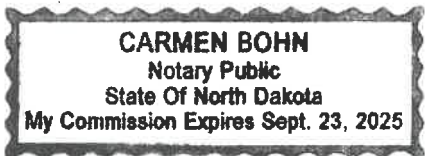
Before me, Carmen Bohn, a Notary Public in and for the said
 County and State, this day personally appeared David Burns

who being first duly sworn, deposes and says that (s)he is employed by Red Trail Energy
 _____, 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.

[Signature]
 Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 10th day of Febraury, 2023



Notary Public Carmen Bohn

My Commission Expires _____

RTE 2-D North-South line

POST PLOT MAP
received 2/10/23 TLH

Legend

◆ Source Points





January 4, 2023

Mr. Dave Burns
Regulatory Manager
Red Trail Energy, LLC
3682 Highway 8 South
Richardton, ND 58652

RE: RTE 2-D NORTH-SOUTH LINE
GEOPHYSICAL EXPLORATION PERMIT #97-0312
STARK COUNTY
NON-EXPLOSIVE METHODS

Dear Mr. Burns:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from January 4, 2023.

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".**

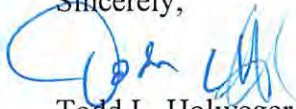
Review the following conditions for your permit:

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:
 - 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: tstorstenson@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

Received

JAN - 3 2023

ND Oil & Gas
Division



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)

1) a. Company Red Trail Energy, LLC		Address 3682 HWY 8 South, Richardton, ND 58652			
Contact Dave Burns		Telephone (701) 974-3308		Fax (701) 974-3309	
Surety Company Harco National Insurance		Bond Amount \$25,000.00		Bond Number 740216	
2) a. Subcontractor(s) UND EERC		Address 15 N. 23rd St Stop 9018 Grand Forks ND		Telephone (701) 777-5000	
b. Subcontractor(s)		Address		Telephone	
3) Party Manager Cesar Garajas-Olalde		Address (local) 15 N. 23rd St Stop 9018 Grand Forks ND		Telephone (local) (701) 777-5414	
4) Project Name or Line Numbers RTE 2D North-South line with eVibe					
5) Exploration Method (Shot Hole, <u>Non-Explosive</u> , 2D, 3D, Other) Mechtronic's Storm 10 eVibe					
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			160	.71 mi	
8) Approximate Start Date January 8, 2023			Approximate Completion Date January 9, 2023		

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

9) Location of Proposed Project - County Stark						
Section(s), Township(s) & Range(s)	Section	10, 11 & 14	T.	139N	R.	92W
	Section		T.		R.	
	Section		T.		R.	
	Section		T.		R.	
	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 January 3, 2023
Signature 	Printed Name Dave Burns	Title Regulatory Manager	
Email Address(es) daveb@redtrailenergy.com			

(This space for State office use)	
Permit No. 97-0312	Approval Date 1/4/2023
Approved by 	
Title Mineral Resources Permit Manager	

Permit Conditions

- * Permit in hand required at pre-program meeting with field inspector and be aware of all NDIC Rules and Regulations (i.e. distance restrictions).
- * See attached letter.



January 4, 2023

The Honorable Karen Richard
Stark County Auditor
P.O. Box 130
Dickinson, ND 58602-0130

RE: Geophysical Exploration
Permit #97-0312

Dear Ms. Richard:

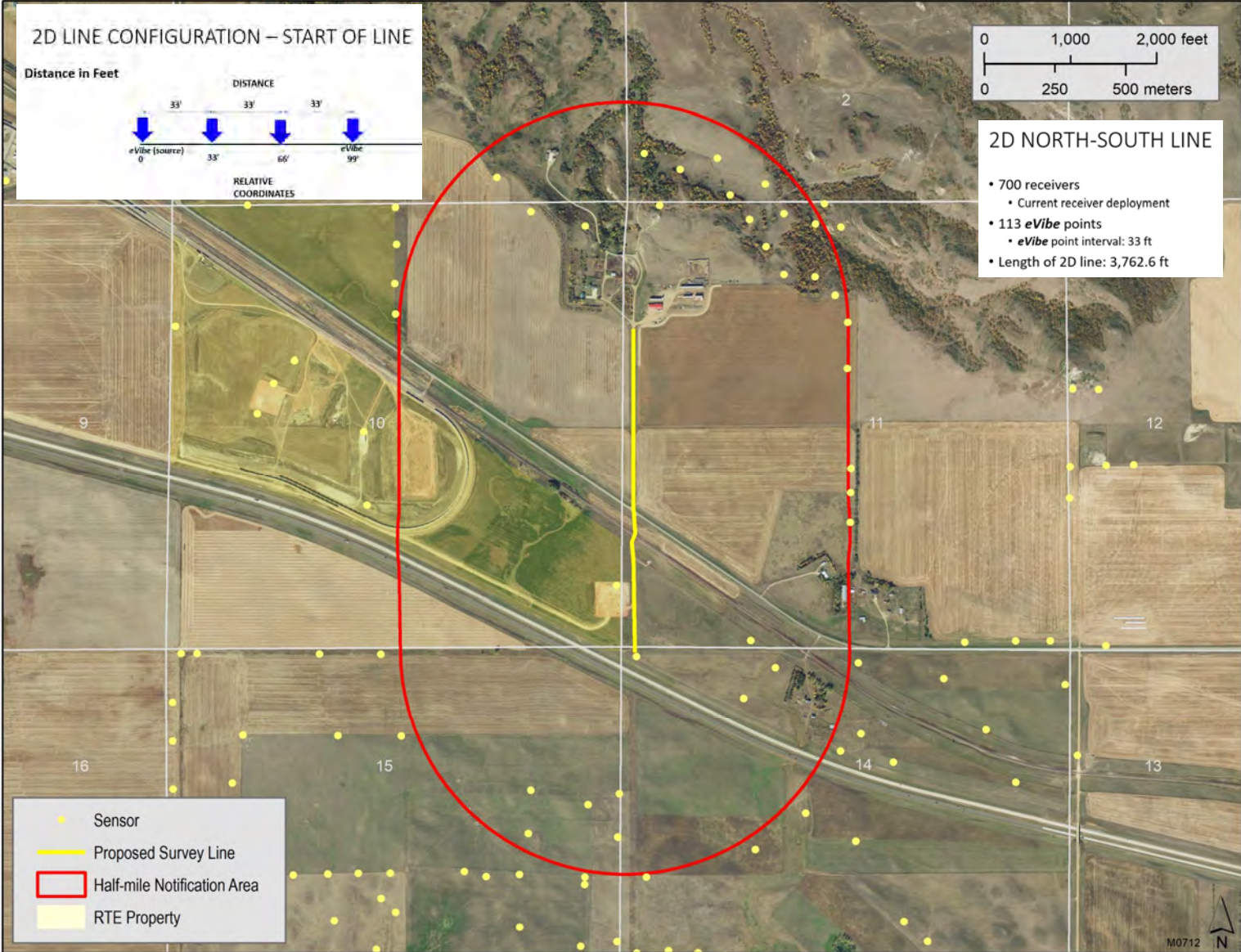
Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Red Trail Energy, LLC was issued the above captioned permit on January 4, 2023, and will remain in effect for a period of one year. The entire permit can be viewed on our website at: <https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp>

Should you have any questions, please contact our office.

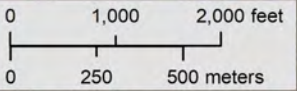
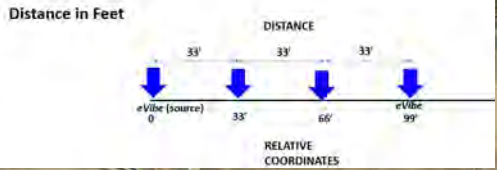
Sincerely,

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

Todd L. Holweger
Permit manager



2D LINE CONFIGURATION – START OF LINE



2D NORTH-SOUTH LINE

- 700 receivers
 - Current receiver deployment
- 113 eVibe points
 - eVibe point interval: 33 ft
- Length of 2D line: 3,762.6 ft

- Sensor
- Proposed Survey Line
- Half-mile Notification Area
- RTE Property

STORM 10

- Electric seismic vibrator (Seismic Mechatronics)
- Storm 10 can be mounted on small carriers with a max. width of 1.5 meters (4.9 ft)
- Size: 80x80x40 cm (31.4x31.4x15.7 in)
- Weight: 1000 kg (2204.6 pounds)
- Electric seismic source capable of generating high forces between **1-240Hz**



Storm 10 will be mounted on a similar vehicle for the 2D Line project at Red Trail Energy Site (this picture is not showing the Storm 10 unit but this eVibe unit is similar in size)



RED TRAIL ENERGY, LLC

“Our Farms, Our Fuel, Our Future”

PO Box 11 Richardton, ND 58652 (701)-974-3308 FAX (701)-974-3309

January 3rd, 2023

Mr. Todd L. Holweger
Permit Manager/Geophysical Supervisor
North Dakota Industrial Commission Oil and Gas Division
600 East Boulevard A venue, Department 405
Bismarck, ND 58505

Dear Mr. Holweger:

Subject: Geophysical Exploration Permit Affidavit

All landowners within the proposed Red Trail Energy, LLC(RTE) low-impact geophysical 2D line using eVibe source project have been notified of the approximate schedule and location of the project and provided a written copy of North Dakota Century Code (NDCC) Section 38-08.1 1-4.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil & Gas Production Damage Compensation). As required by NDCC Section 38-08.1-4.1 (4), landowners within ½ mile of the proposed project area, were provided written copies of the required NDCC Sections which includes the Stark County Highway Department and BNSF Railway Company, which have authority over lands adjacent to study area. Richardton City Council President Tom Roll was provided notification of the project.

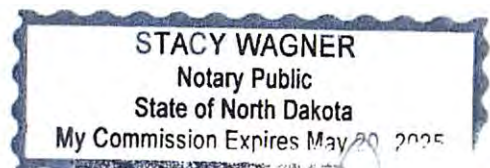
The proposed project will not place sensors on state roadways, railways, and associated rights-of-way. The RTE SASSA baseline Permit#970304 sensors will be used for this project. A telehandler with the eVibe source will operate on the county roadway. We have permission from Al Heiser Stark County Roads Supervisor to operate on 86th Avenue southwest.

We have written permission from the two adjacent landowners to use the telehandler mounted eVibe source on their property tentatively starting January 8th and completed on January 9th, 2023.

Please contact me by phone with any questions at 701-226-8748 or email at daveb@redtrailenergy.com

Sincerely,

David Burns
Regulatory & Compliance Manager
Red Trail Energy, LLC





RED TRAIL ENERGY, LLC

“Our Farms, Our Fuel, Our Future”

PO Box 11 Richardton, ND 58652 (701)-974-3308 FAX (701)-974-3309

January 3th, 2023

Acknowledgement of Notification of 2D line seismic project to occur January 8th through January 9^h, 2023, and permission to have equipment (telehandler and 2 pickups) on 86th Avenue Southwest, Richardton, ND.

Stark County, ND Road Superintendent, Signature: *Allen Heiser*

Stark County, ND Road Superintendent, Signature: *Allen Heiser*

Phone Number: 701-456-7662

Email: aheiser@starkcountynd.gov

David Burns
Regulatory Manager
Red Trail Energy, LLC