







PERMIT NAME (Required): North Fram 2D

PERMIT NUMBER: 97-0249

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

STATE OF North Dakota )

COUNTY OF Renville )

Before me, Sonja Jackson, a Notary Public in and for the said

County and State, this day personally appeared Matthew Michaeli

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

Geokinetics USA, Inc., that (s)he has read North Dakota

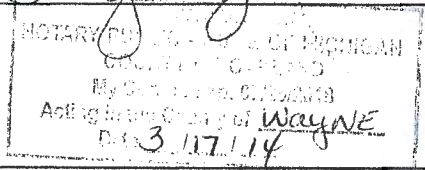
Century Code Section 38-08.1, that the foregoing seismic project has been completed in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the reverse side of this document are true.

Matthew Michaeli  
 Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 17<sup>th</sup> day of March, 2014.

Notary Public Sonja Jackson

My Commission Expires July 25, 2018





# 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)

Permit No. <b>97-0249</b>	
Shot Hole Operations <b>N/A</b>	*Non-Explosive Operations <b>Vibroseis</b>

## SECTION 1

Geophysical Contractor <b>Geokinetics USA, Inc.</b>	
Project Name and Number <b>North Fram 2D Project # 10214</b>	County(s) <b>Renville</b>
Township(s) <b>163N, 162N</b>	Range(s) <b>84W, 85W, 86W</b>
Drilling and Plugging Contractors <b>N/A</b>	
Date Commenced <b>February 24, 2014</b>	Date Completed <b>March 15, 2014</b>

## 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).



William J. Michaeli  
Owner, President  
Office: (970) 471-4878  
Fax: (918) 649-0217

March 17, 2014

To whom it may concern,

The intent of this letter to notify the North Dakota Industrial Commission (NDIC) that Fram Operating through their contractor Michaeli Land Services has provided all surface owners within the North Fram 2D project and all surface owners with lands located within one-half mile of the project a copy of NDCC Section 38-08.1-04.1 and NDCC Chapter 38-11.1 as notification requirements to conduct geophysical operations

Sincerely,

William J. Michaeli  
Michaeli Land Services, LLC  
(970) 471-4878  
bill@michaeliland.com



# Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

## Department of Mineral Resources

Lynn D. Helms - Director

## North Dakota Industrial Commission

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

FEBRUARY 20, 2014

HENRY BIGGERT  
GEOKINETICS USA, INC.  
1500 CITYWEST BLVD  
HOUSTON, TX 77042

RE: NORTH FRAM 2-D  
GEOPHYSICAL EXPLORATION PERMIT # 97-0249  
RENVILLE COUNTY  
NON-EXPLOSIVE METHOD

Dear MR. BIGGERT:

Please be advised that we are in receipt of your Geophysical Exploration permit application and it is conditionally approved; effective for one year from FEBRUARY 20, 2014. **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION) non-explosive method may not be conducted not less than 300 feet from a water well, building, underground cistern, pipelines, and flowing spring. 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. SD card or email: [ttorstenson@nd.gov](mailto:ttorstenson@nd.gov) with all source and receiver points,
  - e. Letter stating that the Geophysical Company has given all surface owner's a copy of the Section and Chapter of the NDCC as stated in paragraph 5.
4. The following information must be submitted within 30 days of the completion of the project by the SUBCONTRACTOR(s) (when applicable):
    - a. Plugging Report
    - b. Plugging Affidavit
  5. It is required that within seven days of initial contact between the permitting agent and the operator of the land, the permitting agent shall provide the operator of the land and each landowner owning land within one-half mile of the land on which geophysical exploration activities are to be conducted a written copy of NDCC Section 38-08.1-04.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil and Gas Production Damage Compensation). The permitting agent shall file an affidavit with this office confirming compliance with such notification. For your convenience, a copy of both Sections are enclosed.
  6. 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.
  7. 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/>
  8. 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  
DMR Permit Manager



# GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51459 (03-2011)



1) a. Company <b>Geokinetics USA, Inc.</b>		Address <b>1500 Citywest Blvd</b>			
Contact <b>Henry E. Biggart</b>		Telephone <b>(281) 848-6813</b>		Fax <b>(281) 217-8977</b>	
Surety Company <b>U.S. Specialty Ins. Co.</b>		Bond Amount <b>\$50,000.00</b>		Bond Number <b>BOO4059</b>	
2) a. Subcontractor(s)		Address			
b. Subcontractor(s)		Address			
3) Party Manager <b>Vince Hanrahan</b>		Address (local) <b>819 N Central Ave, Kenmare, ND</b>		Telephone (local) <b>(832) 776-8983</b>	
4) Project Name or Line Numbers <b>North Fram 2D</b>					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) <b>2D Vibroseis Non-Explosive</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 in. mi.	No. of in. mi.	
2-D <b>NA</b>	<b>NA</b>	<b>NA</b>	<b>24</b>	<b>32.95</b>	
8) Approximate Start Date <b>February 18, 2014</b>			Approximate Completion Date <b>March 25, 2014</b>		

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

9) Location of Proposed Project - County <b>Renville County</b>					
Section(s), Township(s) & Range(s)	Section	<b>See Exhibit "A"</b>	T.		R.
	Section	<b>See Map Attachment</b>	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 **2-14-14**

Signature 	Printed Name <b>Henry E. Biggart</b>	Title <b>Western US Area Manager</b>
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Email Address(es)  
henry.biggart@geokinetics.com

(This space for State office use)	
Permit No. <b>970249</b>	Approval Date <b>2/20/14</b>
Approved by 	
Title <b>Mineral Resources Permit Manager</b>	

**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.

**North Fram 2D**  
**Geokinetics USA, Inc.**  
**Renville County, North Dakota**

**Form GE 1 Exhibit "A" Legal Description**

<b>Township</b>	<b>Range</b>	<b>Sections</b>
163 N	86 W	26, 34, 35
162 N	86 W	1-4, 9-12, 13-16, 22-23
162 N	85 W	1-7, 18
162 N	84 W	5-6
163 N	84 W	32-34





# Oil and Gas Division

Lynn D. Helms - Director      Bruce E. Hicks - Assistant Director

**Department of Mineral Resources**

Lynn D. Helms - Director

**North Dakota Industrial Commission**

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

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FEBRUARY 20, 2014

The Honorable LeAnn Pollman  
Renville County Auditor  
P.O. Box 68  
Mohall, ND 58761

RE: Geophysical Exploration  
Permit # 97-0249

Dear Ms. Pollman:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that GEOKINETICS USA, INC. was issued the above captioned permit on FEBRUARY 20, 2014 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  
Mineral Resources Permit Manager



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

## FORM GE 1 FILING AUTHORIZATION

COMPANY NAME: Geokinetics USA, Inc.

ADDRESS: 1500 CityWest Blvd, Suite #800

CITY: Houston STATE: TX ZIP: 77042

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

<u>Authorized Individuals</u>	<u>E-Mail Address</u>	<u>Phone Number</u>
Henry Biggart	henry.biggart@geokinetics.com	281-848-6813
Vince Hanrahan	vince.hanrahan@geokinetics.com	832-776-8983
Matt Michaeli	matt@michaeliland.com	734-308-4506

Company Authorized Signature: [Signature] Date: 02/19/2014

Printed Name: Henry Biggart Title: Western US Area Manager

Phone: 281-848-6813 Email Address: henry.biggart@geokinetics.com

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Witness Signature: Vincent Hanrahan Date: 02-19-2014

Witness Printed Name: Vincent Hanrahan (Project Manager)



