

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.				1.00		-			77.		31.9
970251					-						
Shot Hole Operations			*Non-Explo	sive Operat	ions						
				Canyon 2-D							
SECTION 1				-1							
Geophysical Contractor											
Geokinetics USA I	nc.										
Project Name and Numb	er				County(s)						
Canyon 2-D					Bottineau						
Township(s)					Range(s)						
163N					79 W						
Drilling and Plugging Cor	ntractors										
N/A											
Date Commenced					Date Comp	oleted					
November 30, 2014	4				Decemb	er 4, 2014	100				
SECTION 2											
First S.P. #					Last S.P. #						
Loaded Holes (Undetona	ated Shot Points)										
S.P.#'s											T
											_
Charge Size		1									
Depth					-						
Reasons Holes Were No	1.011					L					
SECTION 3											
Flowing Holes and/or Blo S.P.#'s	iwouts										
Procedure for Plugging F	lowing Holes and	or Blowouts				***					
Include a 7.5 minute USC	GS topographic qu	adrangle ma	ap or a com	puter genera	ted post-plot	facsimile of	the approx	ximate scale	displaying e	each	

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

My Commission Expires

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):	Canyon 2-D
	PERMIT NUMBER:	970251
	AFFIDAVIT OF COMPLETION (GEO	OPHYSICAL CONTRACTOR)
STATE OF	Montana)	
COUNTY OF	<u>Hill</u>)	
Before me,	JENA HANSON	, a Notary Public in and for the said
County and St	ate, this day personally appeared	Rickie A Scheetz
who being firs	t duly sworn, deposes and says that (s)he is	employed by
	Geokinetics USA Inc.	, that (s)he has read North Dakota
Century Code	Section 38-08.1, that the foregoing seis	mic project has been completed in
accordance w	rith North Dakota Administrative Code Ru	e 43-02-12 and that the statements on
the reverse si	de of this document are true.	
		A Soft
	Geoph	ysical Contractor Representative
Subscribed in	my presence and sworn before me this	18ty day of December, 12014.
* SE		Public JMA HAMSM

Affidavit of Compliance

AFFIDAVIT OF David Hennig

Name: David Hennig

Occupation: Manager of Inland Geoservices LLC

- I, David Hennig, affirm:
 - That I am the manager of Inland Geoservices LLC, with offices located in Brazoria County, Texas.
 - That Inland Geoservices LLC was hired to obtain seismic permits in Bottineau County ND for the Placer Canyon 2D project.
 - 3. That Inland Geoservices LLC has satisfied and sent the required notifications set forth in NDCC 38-11.1-04.1.

I AFFIRM THAT THE ABOVE AND FOREGOING REPRESENTATIONS ARE TRUE AND CORRECT TO THE BEST OF MY INFORMATION, KNOWLEDGE, AND BELIEF.

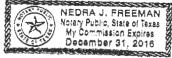
D3 03 2015

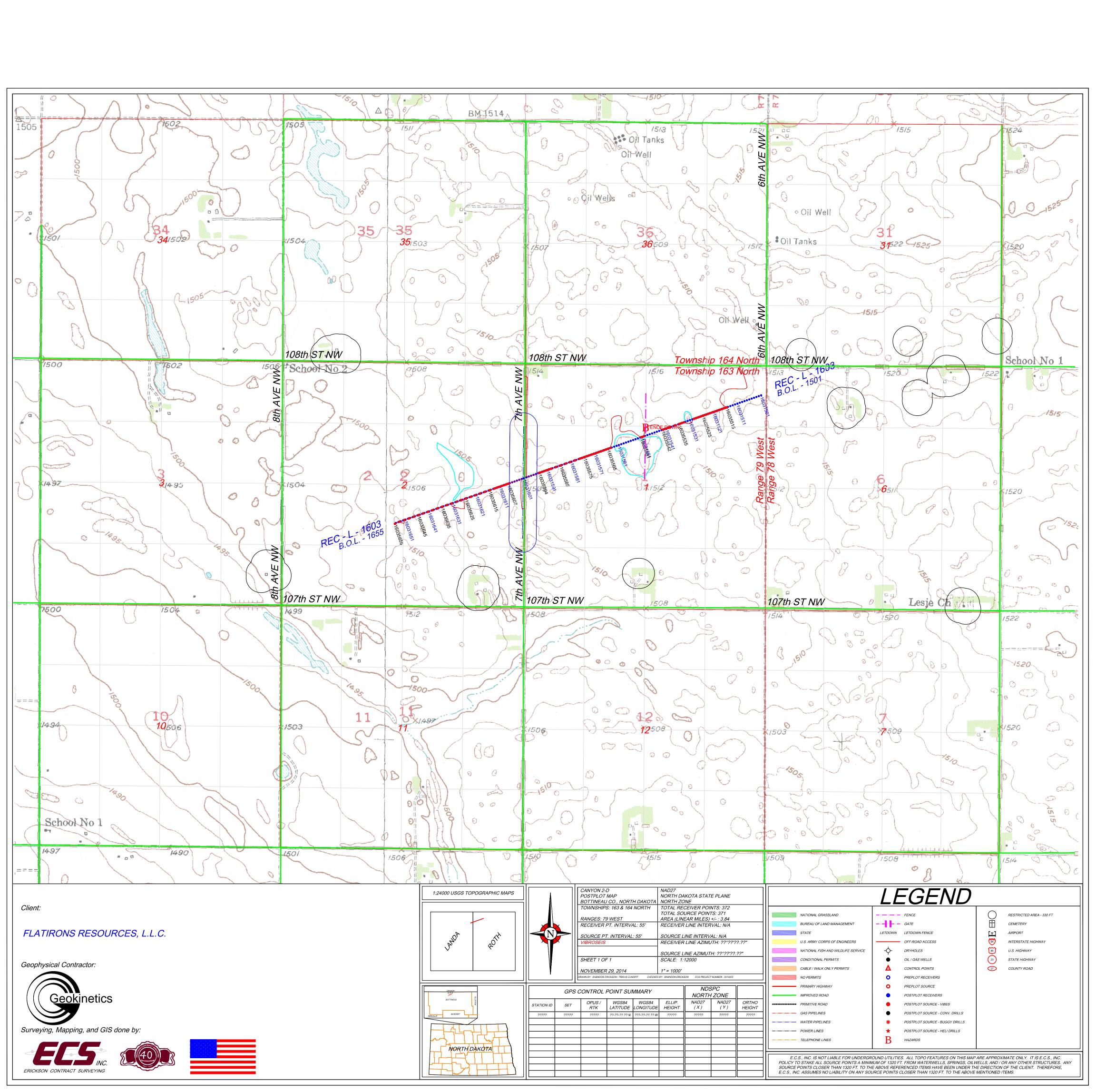
Date

David Hennig

STATE OF TEXAS
COUNTY OF BRAZORIA
I, the undersigned Notary Public, do hereby affirm that David Hennig personally appeared before me on the 3rd day of March 2015, and signed the above Affidavit as his free and voluntary act and deed.

Notary Public







GEOPHYSICAL EXPLORATION SUNDRY NOTICE - FORM GE 4

INDUSTRIAL COMMISSION OF NORTH DAKOTA OIL AND GAS DIVISION 600 EAST BOULEVARD DEPT 405 BISMARCK, ND 58505-0840 SFN 51458 (03-2011)



PERMIT # 970251

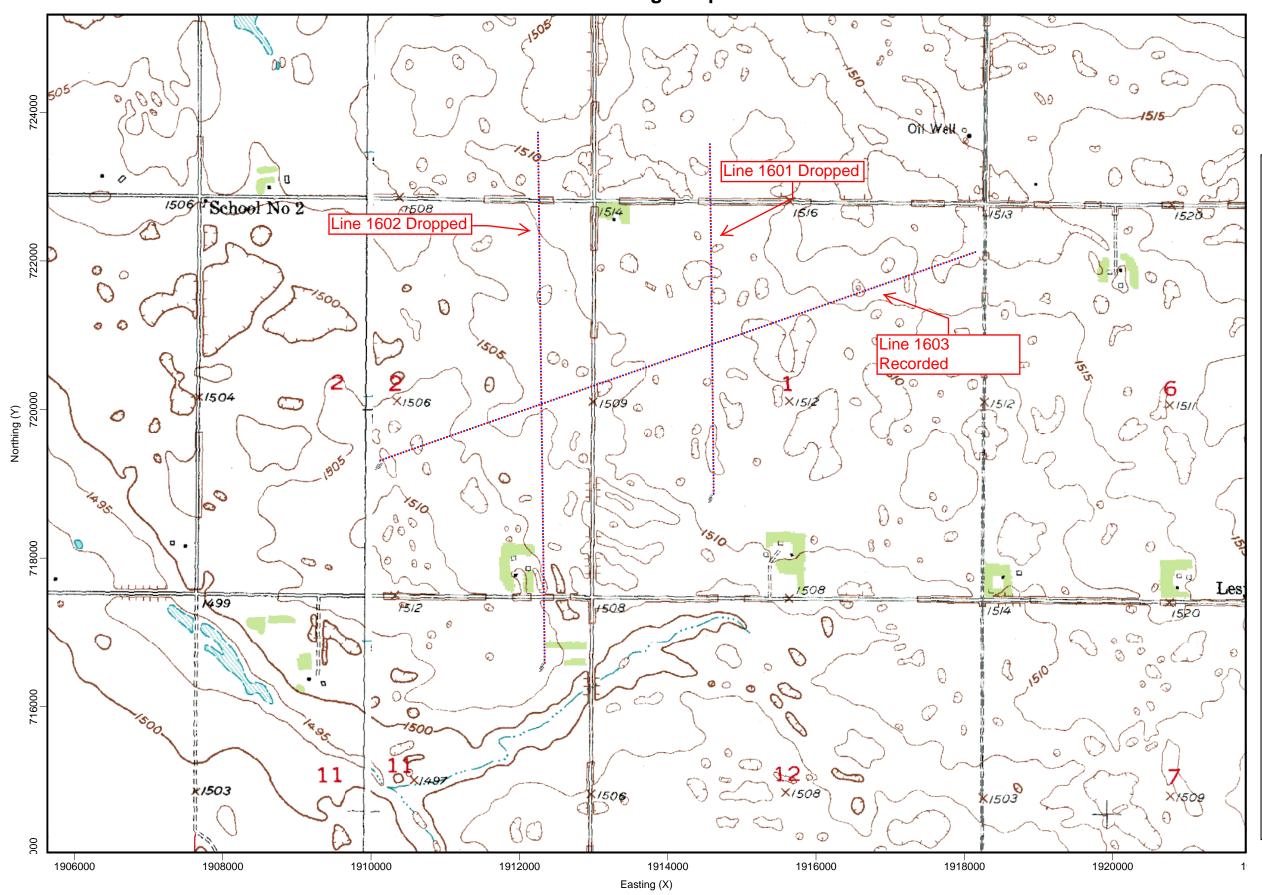
Project Name		ONISIONAS S	
Canyon 2-D County	· ·	(200000 V)	
County		Con Charles	
Bottineaux County Supplemental Information			
Lines 1601 and 1602 were cancel	led by client.		
· ·			•
			·
·			
			•
			•
		•	

Company			Telephone Number	
Geokinetics USA Inc.			(281) 620-7041	
Address				
1500 Citywest Blvd. Ste. 800				
City		State	Zip Code	
Houston		TX	77042	
Signature	Printed Nam			
- Chat	Rick Sch	eetz		
Title	Date			
Project Manager	Decembe	er 10,2014	.	
Email Address				
rick.scheetz@geokinetics.com				

FOR STATE	USEONLY
Received	Approved
Date (12)(1)	14
(3/M 6	
Title Mineral Resources	s Permit Manager

Canyon 2D, 55' RI x 55' SI

Design Map





Date: 4-Mar-2014 **Linear Miles:** 3.84

Line # Rec Src Distance 86 86 0.89 1601 131 130 1.35 1602 155 155 1603 1.60 372 371 Total 3.84

Design

Group Interval: 55 55 Source Interval Type:

Bin Size:

27.5 Patch Size: All Live Max. Fold: No

Roll Stations:

Bottineau Co. ND SPCS ND North (FIPS 3301) NAD 27, feet.



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/

MARCH 18, 2014

VINCENT HANRAHAN PROJECT MANAGER GEOKINETICS USA, INC. 1500 CITYWEST BLVD HOUSTON, TX 77042

RE:

CANYON 2-D

GEOPHYSICAL EXPLORATION PERMIT # 97-0251

BOTTINEAU COUNTY

NON-EXPLOSIVE METHOD

Dear MR. HANRAHAN:

Please be advised that we are in receipt of your Geophysical Exploration permit application and it is conditionally approved; effective for one year from MARCH 18, 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: <u>ttorstenson@nd.gov</u> 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)



4) - 0		T			·		
1) a. Company Geokinetics Inc.		Address 1500 Citywes	st Blvd. Suite 8	00, Housto	n TX. 77042		
Contact Vincent Hanrahar	1				Fax (713) 706-3749		
Surety Company U.S. Specialty Ins	urance Company				Bond Number B004059		
2) a. Subcontractor(s)		Address			Telephone		
Erickson Contrac	t Survey Inc.		. S.E. Sidney M	T. 59270	(406) 482-6606		
b. Subcontractor(s) Inland GeoServic	es, L.L.C.	Address 122 WestWay,Lake Jackson TX. 7756			Telephone (979) 529-9157		
3) Party Manager					Telephone (local)		
4) Project Name or Line		818 N Centra	l Ave. Kenmare	ND	(701) 385-4238		
Canyon 2D			****				
5) Exploration Method (S Vibroseis 2D	Shot Hole, Non-Explosive, 2	D, 3D, Other)					
1 —	(Must check all that apply)				,		
	losive - Distance setbacks a le - Distance setbacks appl				-		
7) Size of Hole	Amt of Charge	Depth	Source points		No. of sq. mi.	I	
3-D N/A	N/A	N/A	N/A	per sq. mr.	N/A		
Size of Hole	Amt of Charge	Depth	Source points	per In. mi.	No. of In. mi.		
2-D N/A	N/A	N/A	48		3.84		
8) Approximate Start Da March 15, 2014	te			ate Completior 1 5, 2014	n Date		
THE COMMISSION	N MUST BE NOTIFIED A	T LEAST 24 HOU	RS IN ADVANCE	OF COMMEN	ICEMENT OF GE	OPHYSICAL OPERATIONS	
9) Location of Proposed Bottineau Count							
	Section	NE 1,NW 1,SV		Г.	163N	R. 79W	
	Section	NE 2, SE 2		т.	163N	R. 79W	
Section(s),	Section	NE 11		163N	R. 79W		
Township(s) & Range(s) Section		SE 35		164N		R. 79W	
Section		SW 36		т.	164N	R. 79W	
	Section		Т.			R.	
I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.							
N	inat the information provide		una correct as dete			March 5, 2014	
Signature	Hannhan	Printed Name Vincent Hanr	ahan		^{ile} 'roject Manage	er	
Email Address(es) vince.hanrahan@g	1			. 1			
VIII CC. Harri anali@	geokinetios.com				Permit C	onditions	
						<u> </u>	
Permit No.	(This space for State o	Approval Date				at pre-program meeting	
970251 Approval Date 3/18/14						be aware of all NDIC Rules stance restrictions).	
Approved by	120 1. F.	luc _				,	
Title Mineral Resources Permit Manager					attached letter.		



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/

March 18, 2014

The Honorable LISA HERBEL Bottineau County Auditor 314 West 5th Bottineau, ND 58318-1204

RE: Geophysical Exploration

Permit # 97-0251

Dear Ms. HERBEL:

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 March 18, 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.

7...,

Toda L. Holweger

Mineral Resources Permit Manager

Canyon 2D, 55' RI x 110' SI



