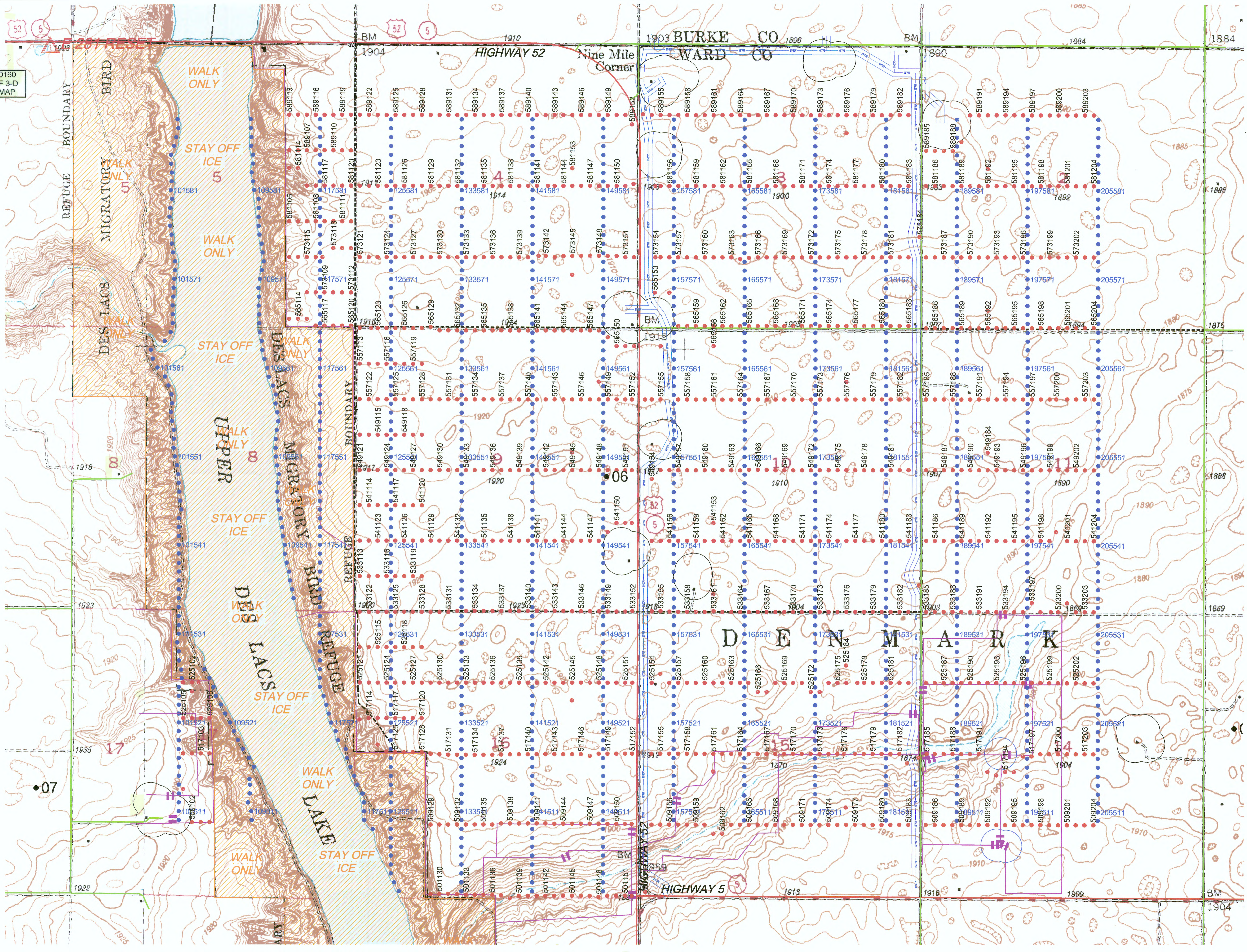


PERMIT # 970160
ZIMMER REEF 3-D
POST PLOT MAP





SEISMIC COMPLETION REPORT
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51456 (03-2005)



Permit No. 97-0160	
Shot Hole Operations	*Non-Explosive Operations 30 Vibroseis

SECTION 1

Geophysical Contractor Geokinetics USA, INC	
Project Name and Number Zimmer reef 3D	County(s) Ward
Township(s) 161	Range(s) 88
Drilling and Plugging Contractors	
Date Commenced Dec 10, 2009	Date Completed Dec. 30, 2009

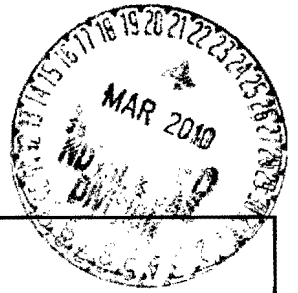
SECTION 2

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 4 and Affidavit



AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF Colorado)

COUNTY OF Lanier)

Before me, Lindsey J Power, a Notary Public in and for the said
County and State, this day personally appeared Kirsten Anderson

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

Allstate Permit 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

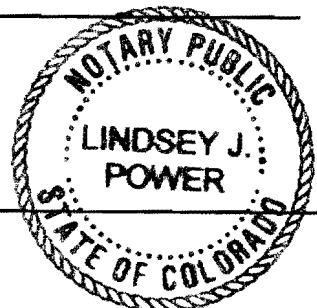
the reverse side of this document are true.

[Signature]
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 18th day of March, 2010.

Notary Public [Signature]

My Commission Expires 5-16-2012





GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51459 (02-2008)



1) a Company Geokinetics USA, Inc.		Address 1500 City West, Suite 800, Houston, TX 77042	
Contact Trevor Krauss	Telephone 281 484-6800	Fax 432 699-4221	
Surety Company U.S. Specialty Insurance Co.	Bond Amount \$50,000	Bond Number B004059	
2) a. Subcontractor(s) Ericson Contract Surveying		Address 111 5th SW, Sidney, MT 59270	Telephone 406 482-6606
b. Subcontractor(s)		Address	Telephone
c. Subcontractor(s)		Address	Telephone
3) Party Manager Juan Trevino		Address (local)	Telephone (local) 281 636-2689
4) Project Name or Line Numbers Zimmer Reef 3-D			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) 3-D Vibroseis			
6) Approximate Start Date December 10, 2009		Approximate Completion Date February 15, 2010	

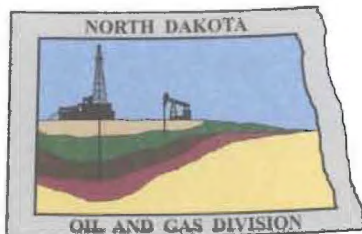
THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS

7) Location of Proposed Project - County Ward					
Section(s), Township(s) & Range(s)	Section 2, 3, 4, 5, 8, 9, 10, 11	T. 161	R. 88		
	Section 14, 15, 16 & 17	T. 161	R. 88		
	Section	T.	R.		
	Section	T.	R.		
8) Size of Hole 3-D	Amt of Charge NA	Depth NA	Source points per sq. mi. 120	No. of sq. mi. 9	9) Must supply latitudes and longitudes of post-plot source and receiver points on an SD card.
Size of Hole 2-D	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	

10) Anticipated special drilling and plugging procedures?
None

11) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.

Signed 	Title Jeff Lund-Contract Permit Agent	Date October 20, 2009
(This space for State office use)		Conditions of Approval if any See Attached letter PERMIT RENEWAL
Permit No. 970160	Approval Date 11/20/2009	
Approved by 		
Title Mineral Resources Permit Manager		
County Approval Sent Ward - previously		



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.oilgas.nd.gov

November 20, 2009

Mr. Trevor Krauss
Geokinetics USA, Inc
1500 CityWest Blvd.
Suite 800
Houston, TX 77042

RE: Zimmer Reef 3-D
Geophysical Exploration Permit #97-0160
Ward County

Dear Mr. Krauss:

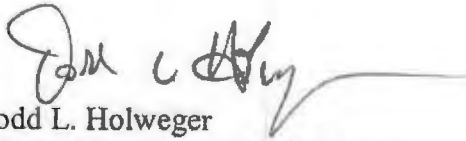
Please be advised that we are in receipt of your Geophysical Exploration permit and it is conditionally **renewed**; effective for one year from November 20, 2009. Review the following conditions for your permit:

1. A pre-program meeting with state seismic inspector Tom Torstenson may be required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations.
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. Micro-SD card or email: 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 for the locations 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
Mineral Resources Permit Manager

X COORD

181000

1615000

162000

1625000

YCOORD

662000

660000

658000

656000

654000

652000

650000

648000

BRIDGE BOUNDARY

MIGRATORY

UPPER

DIS. LACS

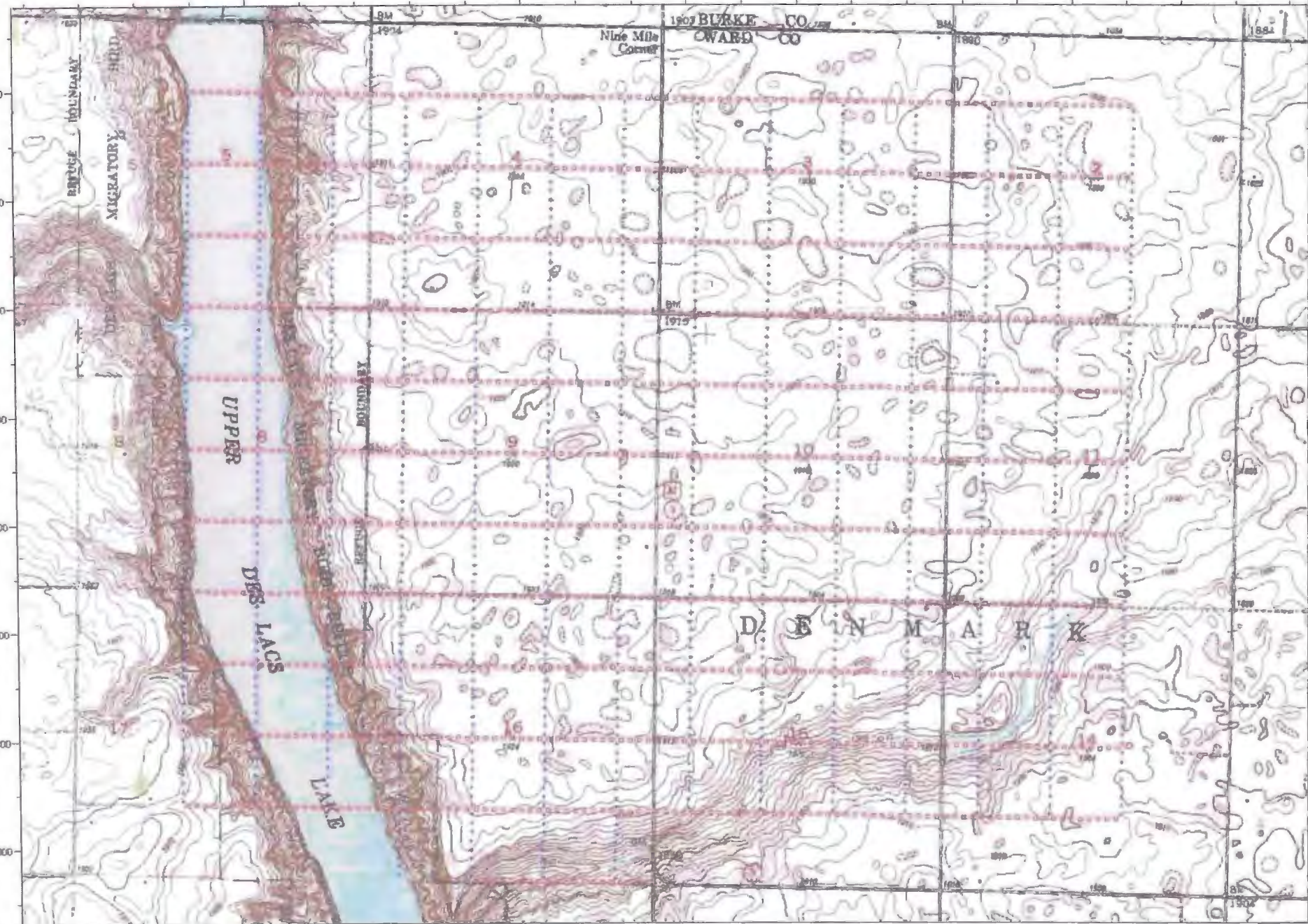
LAKE

SECTION

Nine Mile Corner

1907 BURKE CO
1907 CWARD CO

D E N M A R K

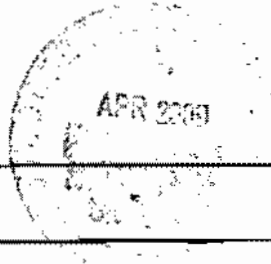




SUNDRY NOTICE

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51458 (03-2003)

PERMIT # 970160



Project Name Zimmer Reef 3-D
County Ward
Supplemental Information The Zimmer Reef 3-D project has been postponed and will not be conducted in the time-frame of the existing permit.

Company Geokinetics		
Address 1500 City West Blvd, Suite 800		
City Houston	State TX	Zip Code 77042
By Jeff Lund	Date April 14, 2009	
Title Contract/Permit Agent	Telephone Number (612) 501-2164	

FOR OFFICE USE ONLY

Date Received 4/17/2009
By <i>[Signature]</i>
Title Mineral Resources Permit Manager



GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 500 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51459 (02-2008)



1) a. Company Geokinetics USA, Inc.		Address 1500 City West, Suite 800, Houston, TX 77042	
Contact Trevor Krauss	Telephone 432 699-3225	Fax 432 699-4221	
Surety Company U.S. Specialty Insurance Co.	Bond Amount \$50,000	Bond Number B004059	
2) a. Subcontractor(s) Ericson Contract Surveying		Address 111 5th SW, Sidney, MT 59270	Telephone 406 482-6606
b. Subcontractor(s)		Address	Telephone
c. Subcontractor(s)		Address	Telephone
3) Party Manager Raul Arredondo		Address (local)	Telephone (local) 713 252-8919
4) Project Name or Line Numbers Zimmer Reef 3-D			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) 3-D Vibroseis			
6) Approximate Start Date August 15, 2008		Approximate Completion Date September 30, 2008	

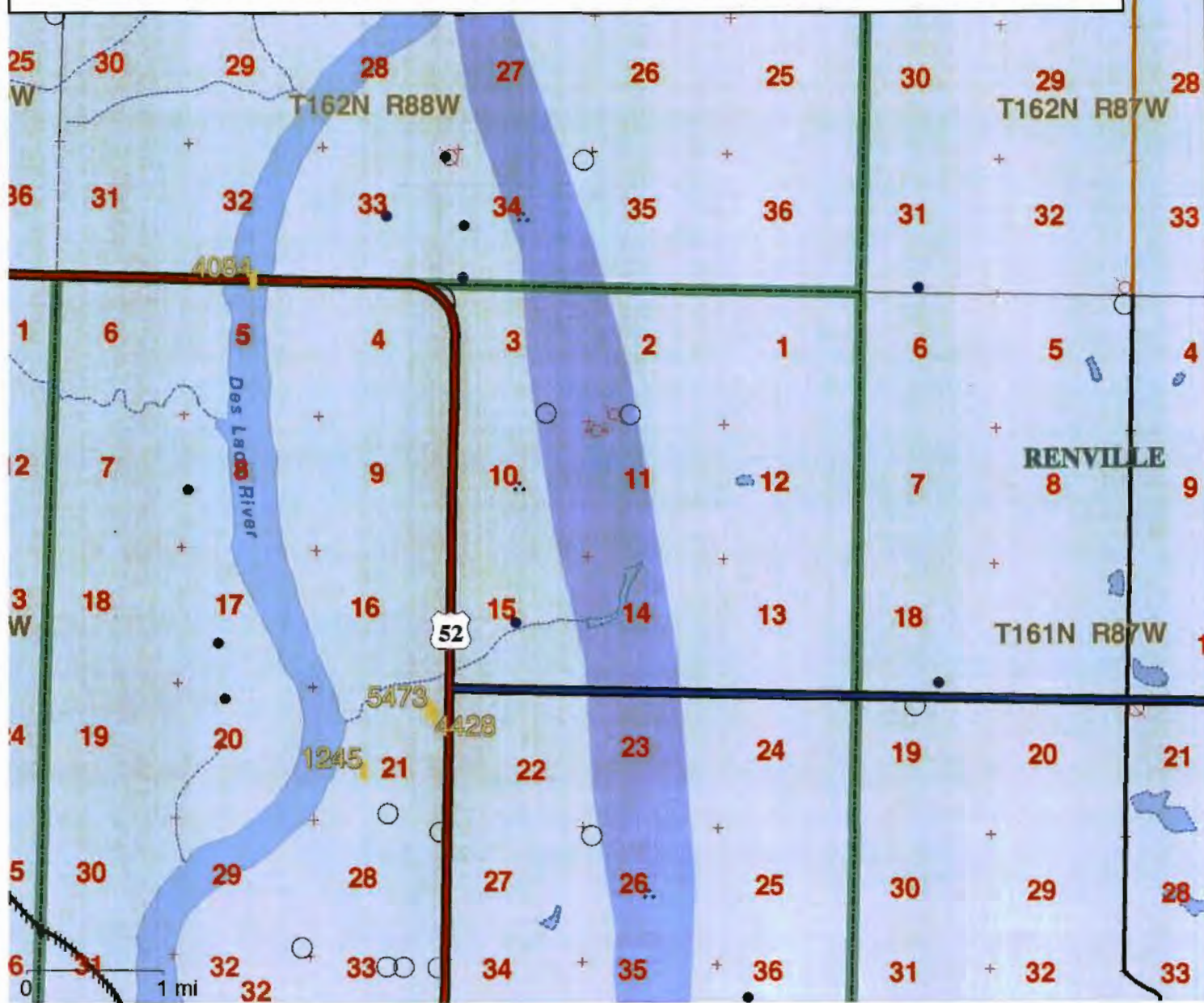
THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS

7) Location of Proposed Project - County Ward					
Section(s) Township(s) & Range(s)	Section 2, 3, 4, 5, 8, 9, 10, 11	T	161	R	88
	Section 14, 15, 16 & 17	T	161	R	88
	Section	T		R	
	Section	T		R	
8) Size of Hole 3-D	Amt of Charge NA	Depth NA	Source points per sq. mi. 120	No. of sq. mi. 9	9) Must supply latitudes and longitudes of post-plug source and receiver points on an SD card.
Size of Hole 2-D	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	

10) Anticipated special drilling and plugging procedures?
 11) Enclose a pre-plot map with proposed location of seismic program lines and powder mag

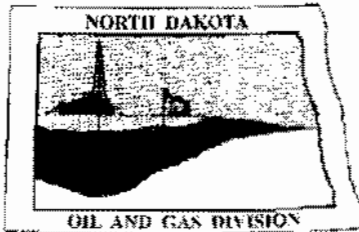
Signed 	Title Jeff Lund-Permit Agent	Date June 23, 2008
(This space for State office use)		Conditions of Approval if any See Attached letter
Permit No. 970160	Approval Date 7/14/2008	
Approved by 		
Title Mineral Resources Permit Manager		
County Approval Sent WARD		

ND STATE WATER COMMISSION MAP



- 50-500 gpm Yield
- Over 500 gpm Yield
- + Precipitation Observers
- Driller Logs
- Domestic Well
- Domestic Well - Plugged
- Industrial Well
- Industrial Well - Plugged
- Irrigation Well
- Irrigation Well - Plugged
- Multi-Well Sample
- Municipal Well
- Municipal Well - Plugged
- Observation Well
- Observation Well - Destroyed
- Observation Well - Plugged
- Observation Well - Recorder
- Production Well
- Production Well - Plugged
- Rural Water Well
- Stock Well
- Stock Well - Plugged
- Surface Water Monitoring Site
- Test Hole
- Test Well
- ? Unknown
- Dams
- Drains
- Dikes
- Diversion Structures
- Dugouts
- Dams
- Corporate limits
- + Section Corners
- + Townships
- County Boundaries
- Lakes or Ponds
- River or Stream

Map created using the NDSWC's mapservice at <http://mapservice.swc.state.nd.us>



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

July 14, 2008

Mr. Trevor Krauss
Geokinetics USA, Inc
1500 CityWest Blvd.
Suite 800
Houston, TX 77042

RE: Zimmer Reef 3-D
Geophysical Exploration Permit #97-0160
Ward County

Dear Mr. Krauss:

Please be advised that we are in receipt of your Geophysical Exploration permit and it is conditionally approved; effective for one year from July 14, 2008. Review the following conditions for your permit:

1. A pre-program meeting with state seismic inspector Tom Torstenson may be required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations.
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 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 for the locations of water wells, springs, etc.; refer to the following ND State Water Commission Mapservice website, at:
<http://inapservice.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
Mineral Resources Permit Manager

Oil and Gas Division

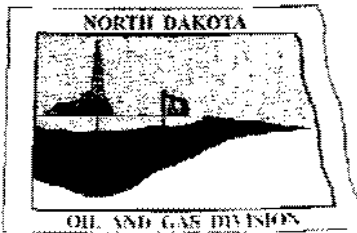
Lynn D. Helms - Director Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.dmr.nd.gov/oilgas



July 14, 2008

The Honorable Devera Smestad
Ward County Auditor
315 3rd St SE
Minot, ND 58701

RE: Geophysical Exploration
Permit # 97-0160

Dear Ms. Smestad:

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 July 14, 2008 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

Zimmer 3D

2000.00 Feet per inch
0 500 1000 1500 2000 2500

