

South Nesson 30
970143



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF Montana ~~NORTH DAKOTA~~

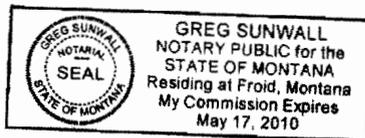
COUNTY OF Roosevelt

Before me, Greg Sunwall, a Notary Public in and for the said County and State, this day personally appeared Mark Mahlen who being first duly sworn, deposes and says that (s)he is employed by Summit Drilling, that (s)he has read North Dakota Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the attached documents are true.

Mark Mahlen
Hole Plugger Representative

Subscribed in my presence and sworn before me this 5 day of Dec, 2010.

Notary Public Greg Sunwall



My Commission Expires _____



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2009)



PERMIT NAME (Required): South Nesson

PERMIT NUMBER: 970143

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

CITY RD
~~STATE OF~~ RED DEER)
 PROVINCE RD)
~~COUNTY OF~~ ALBERTA)

DARCY D. DUNKLE
Barrister & Solicitor

Before me, _____ a Notary Public in and for the said

~~County and State~~, this day personally appeared TRAVIS GANGL

who being first duly sworn, deposes and says that ~~he~~ ^{she} is employed by
HELIX SEISMIC EXPLORATION INC, that ~~he~~ ^{she} has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on
the attached documents are true.

Hole Plugger Representative Travis Gangl

Subscribed in my presence and sworn before me this 12 day of JANUARY, 2010.

Notary Public Darcy Delle
in and for the
Province of Alberta

My Commission Expires does not expire



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2005)



South Nesson 3-D PERMIT NUMBER: 60014 970143

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF Montana)

COUNTY OF Richland)

Before me, Douglas A Lang a Notary Public in and for the said
County and State, this day personally appeared Dennis Svenson

who being first duly sworn, deposes and says that (s)he is employed by
Svenson Drilling, Inc., that (s)he has read North Dakota
Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on
the attached documents are true.

Dennis Svenson
Hole Plugger Representative

Subscribed in my presence and sworn before me this 1st day of December, 2009.

Notary Public Douglas A Lang

My Commission Expires April 19, 2011



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

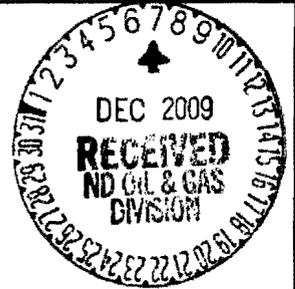
INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2009)

South Asson 3-D

PERMIT NAME (Required): Thermal Drill Inc

PERMIT NUMBER: 356 49 47 970143

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)



STATE OF Montana)

COUNTY OF Richland)

Before me, Douglas A Lang a Notary Public in and for the said

County and State, this day personally appeared Terry Williams

who being first duly sworn, deposes and says that (s)he is employed by
Thermal Drilling, Inc, that (s)he has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on
the attached documents are true.

Terry Williams
Hole Plugger Representative

Subscribed in my presence and sworn before me this 15th day of December, 2009.

Notary Public Douglas A Lang

My Commission Expires April 19, 2011



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2005)



970143

South Nesson 3D

PERMIT NUMBER: GEO-106

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF Montana)

COUNTY OF Richland)

Before me, Lori M. Obergfell a Notary Public in and for the said

County and State, this day personally appeared Trena Peterson

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

Erickson contract surveying, that (s)he has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in

accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on

the attached documents are true.

[Signature]
Hole Plugger Representative

Subscribed in my presence and sworn before me this 25 day of November, 2009.

Notary Public Lori M. Obergfell

My Commission Expires 8-12-2011



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 # 97-0143

Project Name South Nesson 3D
County Williams-McKenzie
Supplemental Information <p>Survey and drilling operations for Phase II of the South Nesson 3D (99.62 square miles) will commence on September 5, 2009 and continue thru approximately October 31, 2009. Recording operations will be ongoing from October 1, 2009 thru November 20, 2009. The source on Phase II of the project has been changed from vibroseis with shot hole infill to all shot hole (5# @ 60'). Airgun source will be used in the Lake in water depths of 9 Ft or greater. Shot holes will be drilled in the transition area from 9 ft of water to high land. Approximately 75 holes fall in the transition area. Erickson Contract Surveying will handle the survey and highland drilling operations. Hole plugging procedures for the transition area and selection of the drilling contractor are ongoing. That information will be submitted in another Sundry Notice for approval.</p>

Company Quantum Geophysical, Inc. / Geokinetics USA, Inc.		
Address 1500 City West Blvd. Suite 800		
City Houston	State TX	Zip Code 77042
By Bruce Fulker <i>BF</i>	Date September 1, 2009	
Title Agent	Telephone Number 281-242-2244	

FOR OFFICE USE ONLY

Date Received 9/9/09
By <i>[Signature]</i>
Title Mineral Resources Permit Manager



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51457 (03-2005)



PERMIT NUMBER: 976143

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF Montana)

COUNTY OF Gallatin)

Before me, Steven M. Stuber a Notary Public in and for the said

County and State, this day personally appeared Robyn Duffy

who being first duly sworn, deposes and says that (s)he is employed by
Excel Drilling, Inc., that (s)he has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
 accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on
 the attached documents are true.

Robyn Duffy

 Hole Plugger Representative

Subscribed in my presence and sworn before me this 2 day of March, 2009.

Notary Public Steven M. Stuber
 Residing in Three Forks Mt,
 of Gallatin Co.

My Commission Expires 7-29-2011

970143

Holweger, Todd L.

From: Bruce Fulker [bfulker@cougarlandservices.net]
Sent: Saturday, February 14, 2009 12:22 PM
To: Holweger, Todd L.; Torstenson, Tomas V.
Subject: West Nesson / South Nesson Phase II 3D Projects



Todd: I represent XTO Energy on the West Nesson and South Nesson Phase II projects. I wanted to update you and Tom as to where we stand as of Feb 15th. The West Nesson 3D has been put on hold until further notice due to issues with the piping plover and budgets. It will be reviewed again late 1st quarter and a decision made as to its fate. I have sent a letter to each landowner who signed a permit advising them of the situation. Once a decision is made we will notify them again by letter if the project is cancelled or have permit agents back on site should it be approved to go forward.

The South Nesson Phase II project has also been suspended due to issues with the "Pallid Sturgeon", a threatened and endangered fish species that may exist in the portion of Missouri River that flows thru the project. We spent a month trying to mitigate this with the US Fish and Wildlife Service and have simply run out of time to get the project shoot this Winter before we lose the ice on the River. We have re-submitted a revised plan of operations to the Corps of Engineers, US Fish and Wildlife Service and US Forest Service for a July-August operational window. A meeting is scheduled on March 10th in Riverdale to determine if that is feasible given and EA will most likely be required now. After that meeting I can further update you as to the status of the project.

I will submit a sundry notice for West Nesson putting the project on hold next week. Once a plan is worked out on South Nesson, I will submit one for it. If you have any questions regarding either of these projects please contact me. I will be re-locating my office here in Houston on February 23rd at which time my office number will change. My new contact information will be:

The new address and phone number is:

*Cougar Land Services LLC
 10701 Corporate Dr.
 Suite 377
 Stafford, TX 77477*

*(281) 242-2244 Office
 (281) 242-2310 Fax*

Email addresses will remain the same. Please update your records.

***Bruce Fulker
 President
 Cougar Land Services LLC
 7500 San Felipe Suite 600
 Houston, TX 77063***

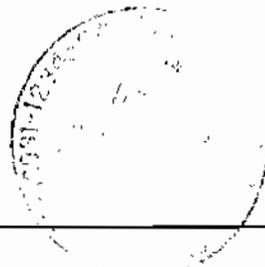
*Office: (713) 914-8045
 Fax: (713) 914-8046
 Cell: (713) 806-2024*

2/17/2009



GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51459 (11-2007)



1) a. Company Quantum Geophysical Inc Geokinetics USA, Inc.		Address 1500 City West Suite 800 Houston, TX 77042	
Contact Bruce Fulker		Telephone 713-806-2024	Fax 713-914-8046
Surety Company US Specialty Insurance		Bond Amount \$50,000.00	Bond Number 8004059-GE0300
2) a. Subcontractor(s) Erickson Contract Surveying		Address 111 5th SW Sidney, MT 59270	Telephone (406)-482-8606
b. Subcontractor(s) Helix Seismic Exploration Inc.		Address 25 Ashmore Close Alberta, T4R2R7	Telephone (403)-347-1770
c. Subcontractor(s)		Address	Telephone
3) Party Manager Rick Scheetz		Address (local)	Telephone (local) (281)-620-7041
4) Project Name or Line Numbers South Nesson II 3-D			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) Vibroseis with Shot Hole Infill			
6) Approximate Start Date December 23, 2008		Approximate Completion Date April 1, 2009	

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

7) Location of Proposed Project - County Williams, McKenzie Counties					
Section(s), Township(s) & Range(s)	Section	T.	R.		
	Section	T.	R.		
	Section	T.	R.		
	Section	T.	R.		
8) Size of Hole 3-D 4"	Amt of Charge 10 lbs	Depth 60'	Source points per sq. mi. 52	No. of sq. mi. 99.62	9) Must supply latitude/longitudes of 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.	

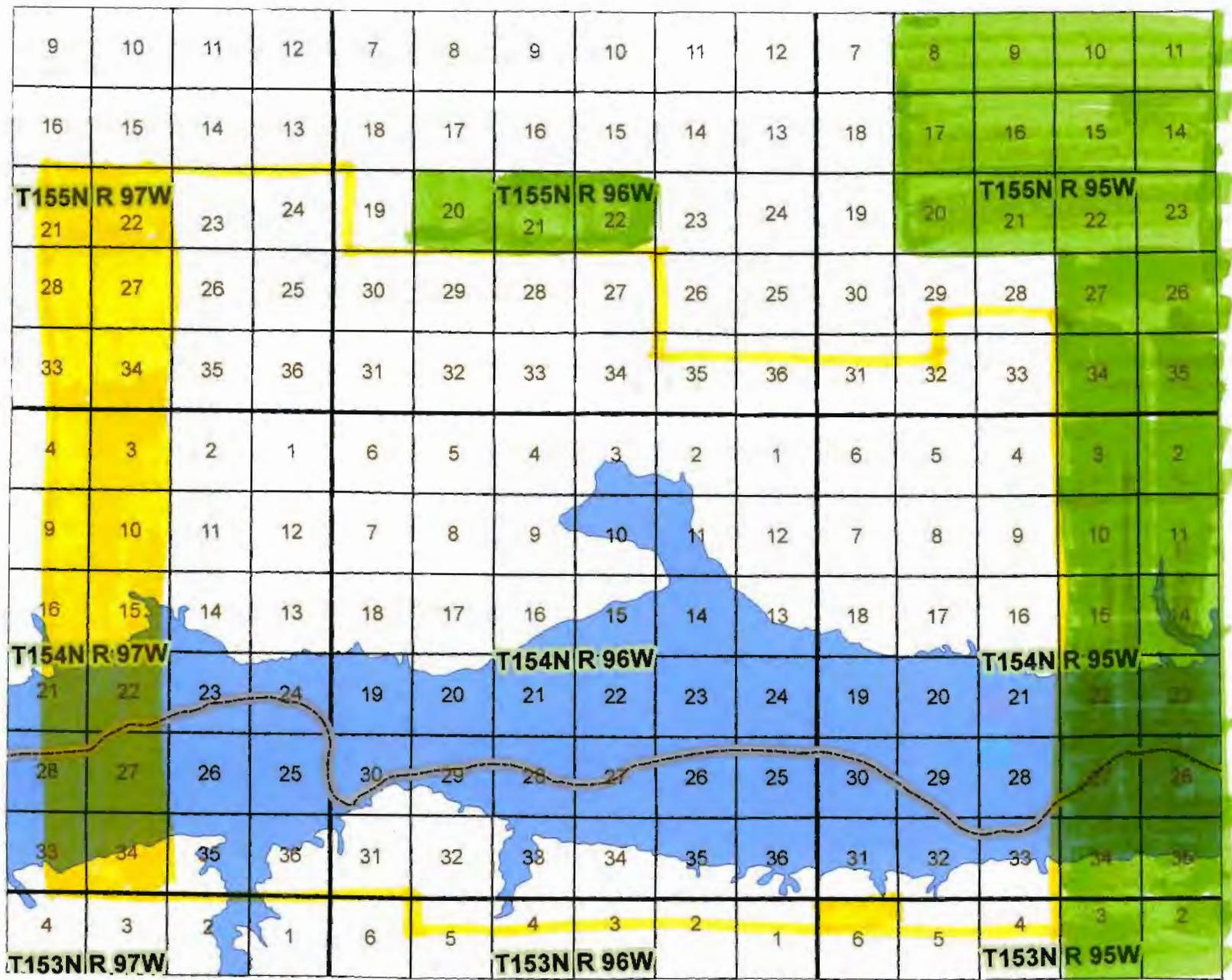
10) Anticipated special drilling and plugging procedures?
None

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

Signed <i>Todd L. Holweger</i>	Title Permit Manager	Date 12-9-08
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(This space for State office use)		Conditions of Approval if any permit renewal & update
Permit No. 97043	Approval Date 12/22/08	
Approved by Original Signed By: TODD L. HOLWEGER		
Title Mineral Resource Permit Manager		
County Approval Sent Williams & McKenzie		

new
cid



<u>Township</u>	<u>Range</u>	<u>Section</u>
155N	97W	21
155N	97W	22
155N	97W	23
155N	97W	24
155N	97W	25
155N	97W	26
155N	97W	27
155N	97W	28
155N	97W	33
155N	97W	34
155N	97W	35
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155N	96W	34
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155N	96W	36
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155N	95W	31
155N	95W	32
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154N	97W	25
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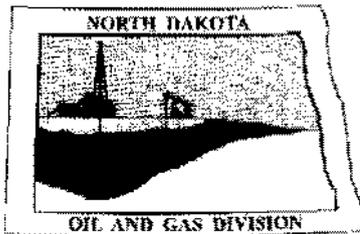
154N	96W	1
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154N	95W	33

153N	96W	1
153N	96W	2
153N	96W	3
153N	96W	4
153N	96W	5

153N	95W	4
153N	95W	5
153N	95W	6



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

December 22, 2008

Mr. Bruce Fulker
1500 City West
Suite 800
Houston, TX 77042

RE: South Nesson 3-D
Geophysical Exploration Permit #97-0143
McKenzie and Williams Counties

Dear Mr. Fulker:

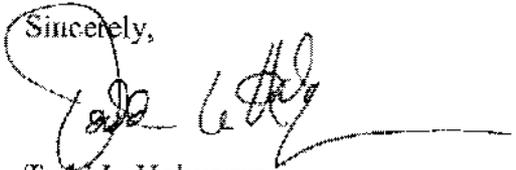
Be advised that we are in receipt of your Geophysical Exploration permit RE-NEWAL and it is conditionally approved; effective for one year from December 22, 2008. Review the following conditions for your permit:

1. The Driller/Pluggger contractor Helix Seismic Exploration Inc. must be bonded prior to conducting work in the State.
2. 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.
3. All variances for distance restrictions are to be furnished, and a pro-plot map displaying any source points that do not comply with the distance restriction rule must be supplied to the inspector.
4. 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.
5. The following information must be submitted within 30 days of the completion of the project by the SUBCONTRACTOR(s) (when applicable):
 - a. Plugging Report

6. 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.
7. 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.
8. 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/>
9. 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

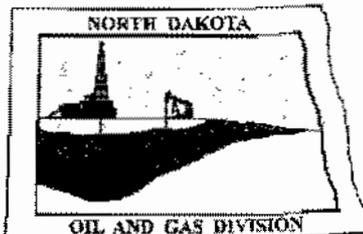
Lynn D. Helms - Director Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.dmr.nd.gov/oilgas



December 22, 2008

The Honorable Beth Innis
Williams County Auditor
P.O. Box 2047
Williston, ND 58802-2047

RE: Geophysical Exploration
Permit #97-0143

Dear Ms. Innis:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Quantum Geophysical, Inc. was issued the above captioned permit renewal on December 22, 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
DMR Permit manager

Oil and Gas Division

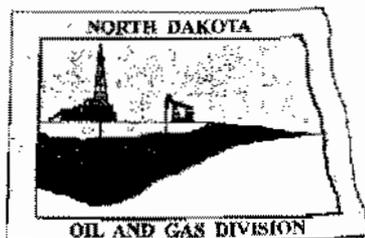
Lynn D. Helms - Director Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.dmr.nd.gov/oilgas



December 22, 2008

The Honorable Frances Olson
McKenzie County Auditor
P.O. Box 543
Watford City, ND 58854-0543

RE: Geophysical Exploration
 Permit #97-0143

Dear Frances Olson:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Quantum Geophysical, Inc. was issued the above captioned permit renewal on December 22, 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>

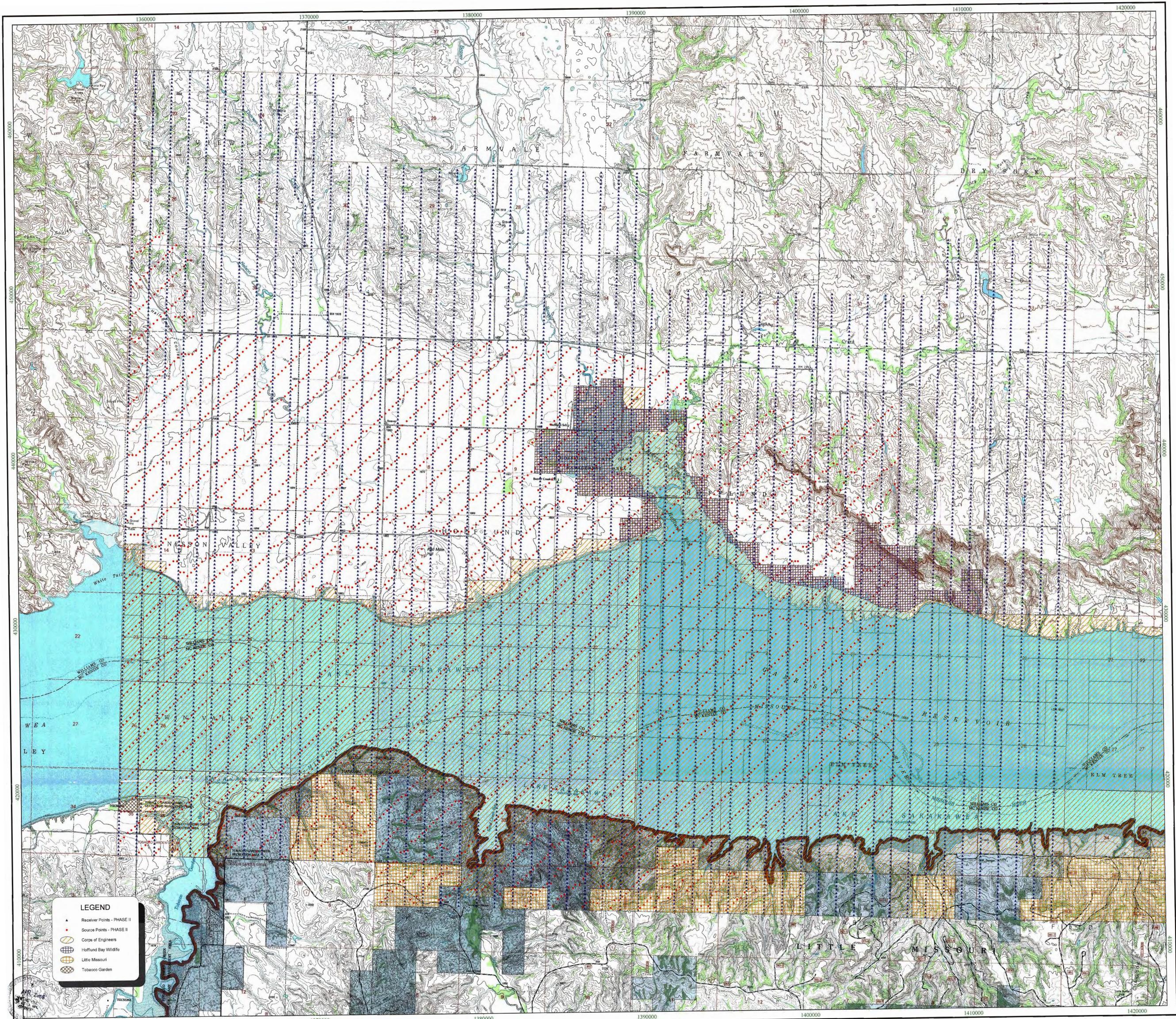
Should you have any questions, please contact our office.

Sincerely,

Todd L. Holweger
DMR Permit manager

POST PLOT MAP
SOUTH NESSON 3-D
PERMIT# 970143



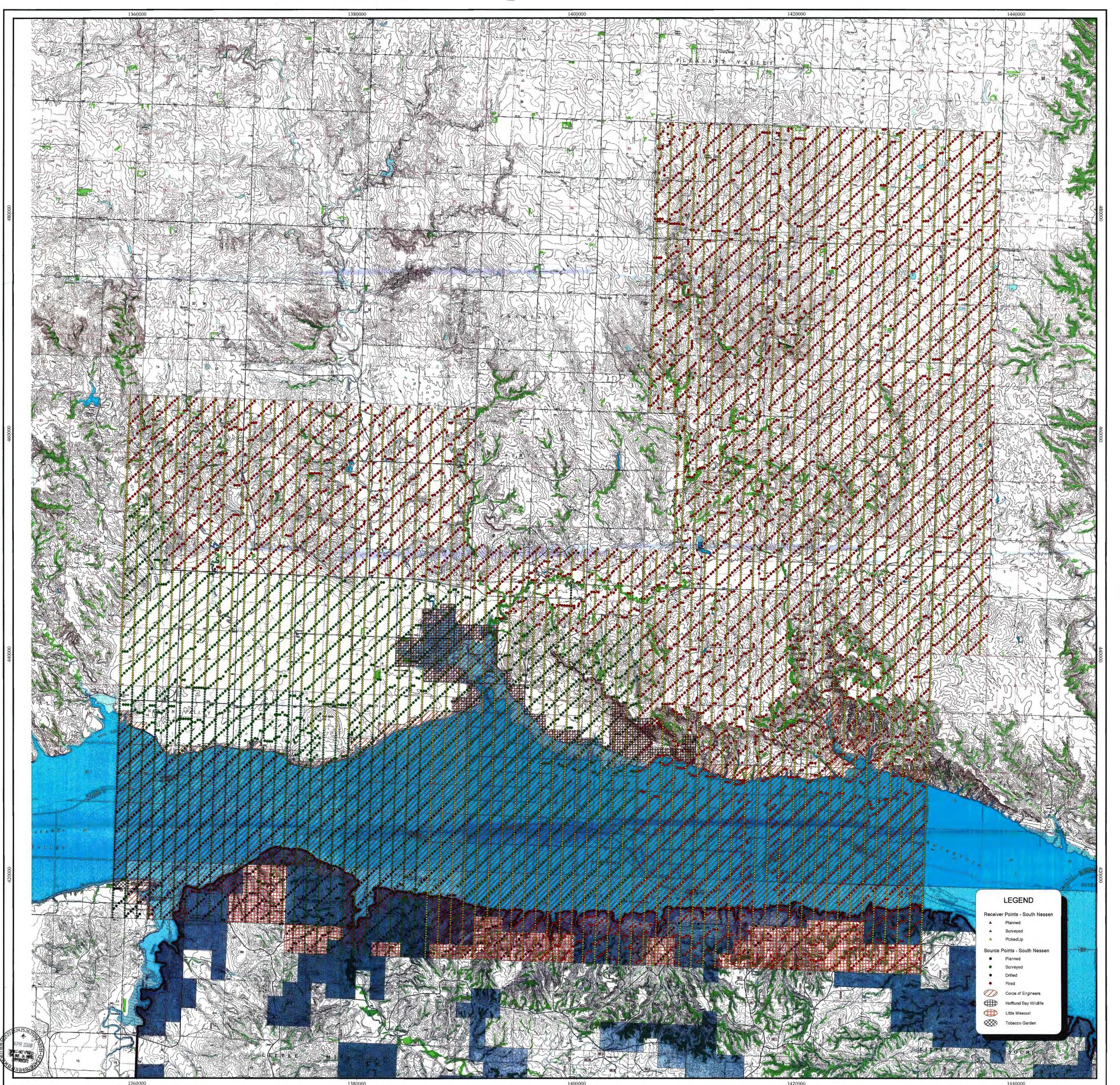


LEGEND

- ▲ Receiver Points - PHASE II
- Source Points - PHASE II
- Corps of Engineers
- ▨ Hoffund Bay Wildlife
- ▨ Little Missouri
- ▨ Tobacco Garden

South Nessen - Phase II 970143 AREA that remains to be completed

2000 0 2000 4000 6000 8000 10000 12000 14000 Feet



LEGEND

Receiver Points - South Nessen

- ▲ Planned
- Surveyed
- ▲ Picked Up

Source Points - South Nessen

- Planned
- Surveyed
- Drilled
- Fired

 Corps of Engineers
 Hoffund Bay Wildlife
 Little Missouri
 Tobacco Garden

APR 2008
 110169155



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 # 97-0143

Project Name	South Nesson 3D
County	McKenzie/ Williams/ Mountrail
Supplemental Information	Due to unfavorable weather and ground conditions, Quantum Geophysical was unable to complete this project. A map is attached outlining the portion of the project that was completed. The second map attached, labeled phase 2 outlines the area that remains to be completed. We anticipate completion of the project in December 2008 thru January 2009.

Company		
Quantum Geophysical Inc		
Address		
1500 City West Suite 800		
City	State	Zip Code
Houston	TX	77042
By	Date	
Bruce Fulker <i>[Signature]</i>	April 18, 2008	
Title	Telephone Number	
VP Permit Services	713-840-3380	

FOR OFFICE USE ONLY

Date Received	4/25/2008
By	<i>[Signature]</i>
Title	Mineral Resources Permit Manager



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2005)

PERMIT NUMBER. 970143

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)



STATE OF COLORADO)

COUNTY OF MESA)

Before me, MICHELLE R. SCHNEIDER a Notary Public in and for the said

County and State, this day personally appeared JEFF L. MACKEY

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

HELI-PORT DRILLING, INC., that (s)he has read North Dakota

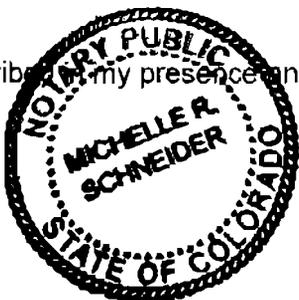
Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in

accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on

the attached documents are true.

[Signature]
Hole Plugger Representative

Subscribed to my presence and sworn before me this 27 day of MARCH, 2008.



Notary Public [Signature]

My Commission Expires 10/5/2009



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
800 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2005)

970143

PERMIT NUMBER:



AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF ND)

COUNTY OF Cass)

Before me, Dylan S. Clark a Notary Public in and for the said
County and State, this day personally appeared Robert D. Kelly

who being first duly sworn, deposes and says that (s)he is employed by
Excel Drilling Inc., that (s)he has read North Dakota

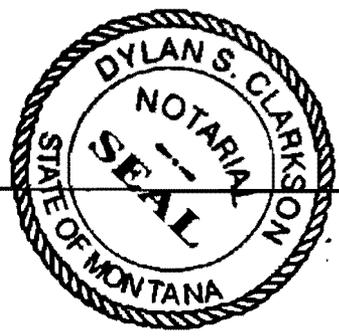
Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on
the attached documents are true.

[Signature]
Hole Plugger Representative

Subscribed in my presence and sworn before me this 27 day of March, 2008

Notary Public Dylan S. Clark

My Commission Expires 1/23/2011





AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2005)



970143

PERMIT NUMBER: 6EO-106

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

SD. NESSON 3-D

STATE OF Montana)

COUNTY OF Richland)

Before me, Lori M. Obergfell a Notary Public in and for the said

County and State, this day personally appeared Chuck Peterson

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

Erickson contract surveying, that (s)he has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in

accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on

the attached documents are true.

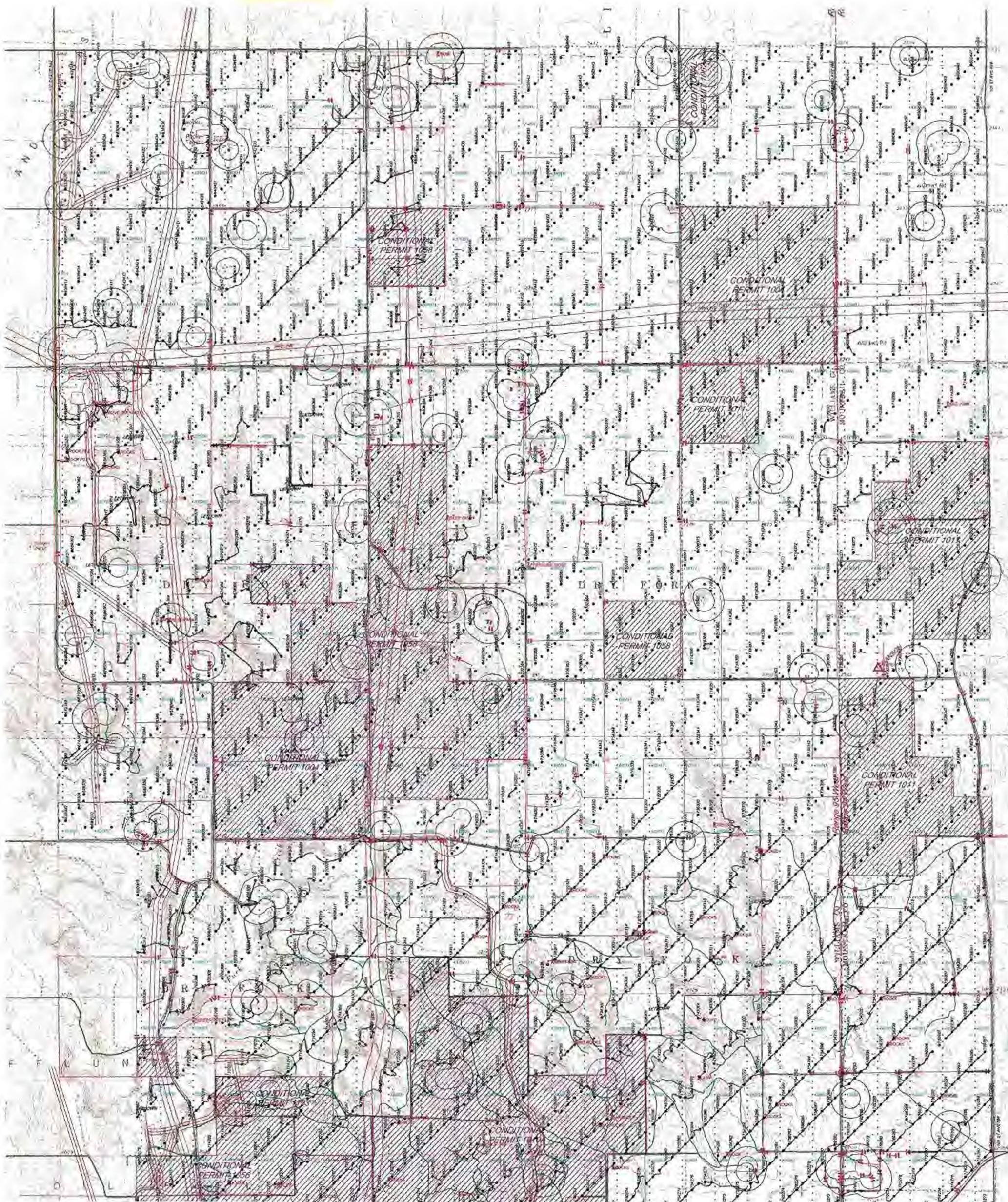
Hole Plugger Representative

Subscribed in my presence and sworn before me this 25th day of March, 2008

Notary Public Lori M. Obergfell

My Commission Expires 10-10-2011

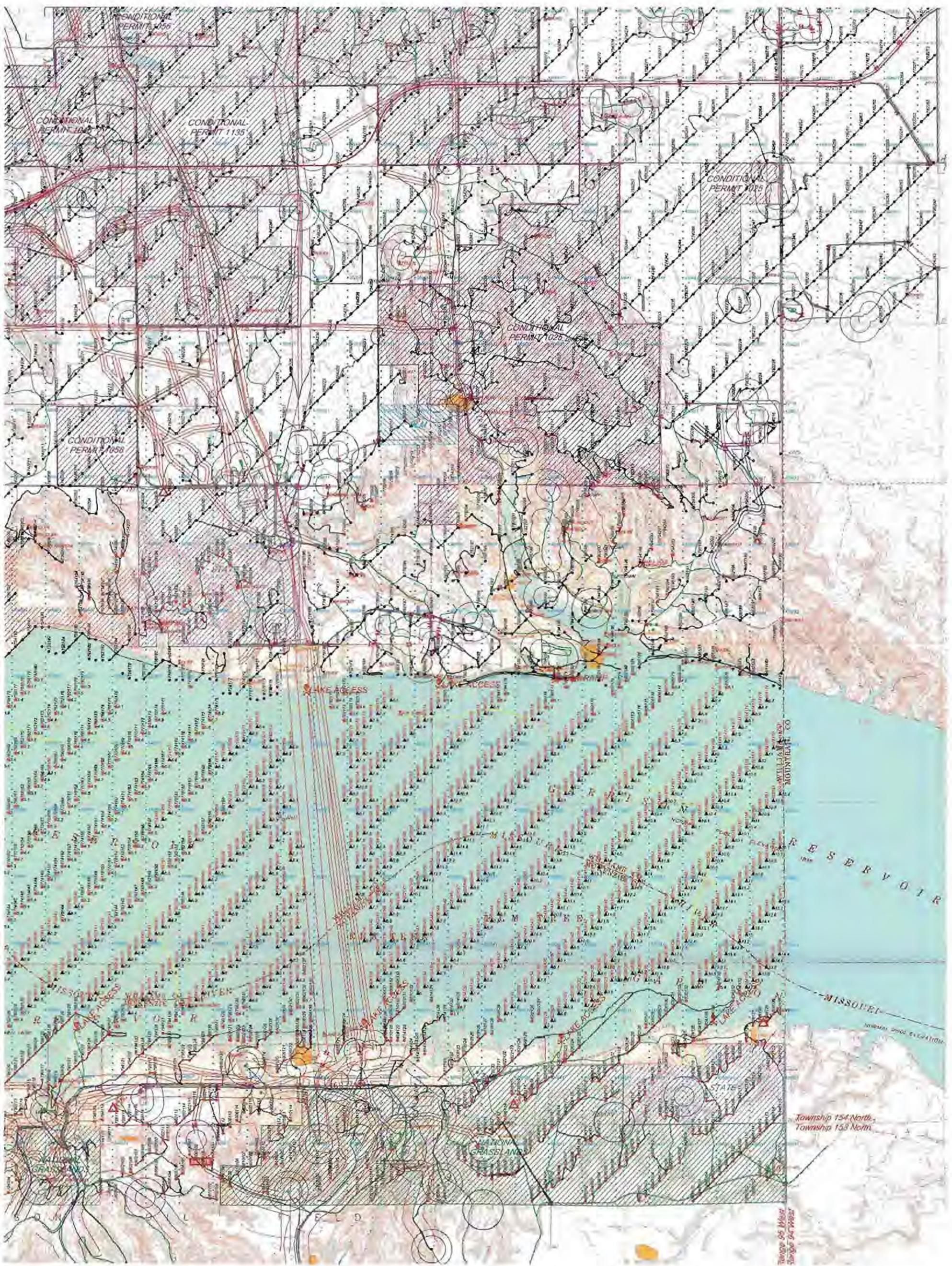
TOP



East Half of
South Nassau T.D.

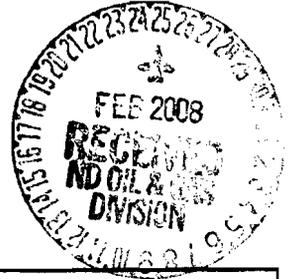
post plot map
970143
East 1/2 of
South Nassau T.D.

South Nesson 3-D
970143
post plot map





AFFIDAVIT OF PLUGGING (HOLE PLUGGER)
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51457 (03-2005)



PERMIT NUMBER:

970143

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF Colorado)
)
 COUNTY OF Douglas)

Before me, Sherrri Meiklejohn a Notary Public in and for the said

County and State, this day personally appeared Randall Roberts

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

RDL Seismic (US) Inc., that (s)he has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the attached documents are true.

[Signature]
 Hole Plugger Representative

Subscribed in my presence and sworn before me this 20th day of February, 2008.

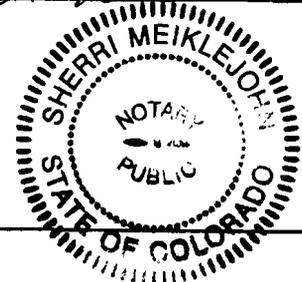
Notary Public

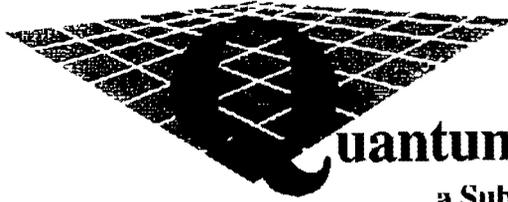
[Signature]

My Commission Expires

SHERRI MEIKLEJOHN
 NOTARY PUBLIC
 STATE OF COLORADO

MY COMMISSION EXPIRES DECEMBER 12, 2011

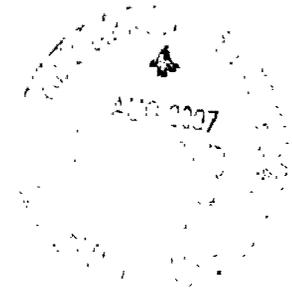




970143

Quantum Geophysical, Inc.
a Subsidiary of Geokinetics Inc.

August 21, 2007



Attention: Landowner's

**Re: Notice of Geophysical Operations
South Nesson 3D**

Quantum Geophysical, Inc. is currently contacting landowner's in Township 153, 154 North, Range 95, 96, 97, West in Mountrail, McKenzie, and Williams Counties, North Dakota concerning a 3D seismic survey across lands in this area. North Dakota Industrial Commission, Oil and Gas Division Regulations require us to provide you with a copy of section 38-08.1-04.1 and chapter 38-11.1 concerning geophysical operations. Copies of those regulations are attached.

If you have any questions concerning this project please call (713) 840-3380.

Thank you in advance for your cooperation.

Quantum Geophysical, Inc.
One Riverway, Suite 440
Houston, TX 77056

Enclosures: 1

RA



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 # 97-0143

Project Name South Nesson 3D
County McKenzie/ Williams/ Mountrail
Supplemental Information Please add the following drill / hole plugging contractor to the above referenced project permit.
 Erickson Contract Surveying, Inc. 333 10th Avenue Southeast Sidney, Montana 59270

Company Quantum Geophysical Inc		
Address 1500 City West Suite 800		
City Houston	State TX	Zip Code 77042
By Bruce Fulker <i>BF</i>	Date November 8, 2007	
Title VP Permit Services	Telephone Number 713-840-3380	

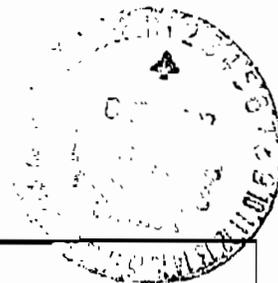
FOR OFFICE USE ONLY

Date Received 11/13/2007
By <i>[Signature]</i>
Title Mineral Resources Permit Manager



GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51459 (08-2007)



1) a. Company Quantum Geophysical Inc.		Address One Riverway Suite 440	
Contact Bruce Fulker	Telephone (713) 840-3380	Fax (713) 850-7783	
Surety Company Bank of North Dakota	Bond Amount \$50,000.00	Bond Number GEO300	
2) a. Subcontractor(s) Erickson Contract Surveying		Address 1101 5th SW Sidney, MT 59270	
b. Subcontractor(s) Excel Drilling <i>Robin Duffy</i>		Address P.O. Box 7034 Bozeman, MT 59771	
c. Subcontractor(s)		Telephone <i>Bonded 10/18/07</i> (406) 994-0092	
3) Party Manager		Address (local)	
4) Project Name or Line Numbers South Nesson		Telephone (local)	
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) 3D Vibroseis, Shot hole			
6) Approximate Start Date November 1, 2007		Approximate Completion Date April 1, 2008	

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

7) Location of Proposed Project - County McKenzie, Mountrail, Williams Counties					
Section(s), Township(s) & Range(s) <i>See Attached pages</i>			Sec.	T.	R.
			Sec.	T.	R.
			Sec.	T.	R.
			Sec.	T.	R.
8) Size of Hole 3-D 4"	Amt of Charge 10 lbs	Depth 60'	Shots per sq. mi. 52	No. of sq. mi. 155.51	9) Must supply latitude/longitudes of source and receiver points on an SD card.
Size of Hole 2-D	Amt of Charge	Depth	Shots 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
Enclosed

Signed <i>[Signature]</i>	Title Mgr. NA Operations Permit Services	Date September 26, 2007
------------------------------	--	-----------------------------------

(This space for State office use)		Conditions of Approval if any <i>* See Attached letter</i>
Permit No. 970143	Approval Date 10/18/2007	
Approved by <i>[Signature]</i>		
Title Mineral Resources Permit Manager		
County Approval Sent McKenzie, Mountrail, Williams		

*See Instructions On Reverse Side

<u>Township</u>	<u>Range</u>	<u>Section</u>
156 N	95 W	25
156 N	95 W	26
156 N	95 W	27
156 N	95 W	28
156 N	95 W	29
156 N	95 W	32
156 N	95 W	33
156 N	95 W	34
156 N	95 W	35
156 N	95 W	36
156 N	94W	30
156 N	94W	31
155N	97W	23
155N	97W	24
155N	97W	25
155N	97W	26
155N	97W	35
155N	97W	36
155N	96W	19
155N	96W	20
155N	96W	21
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155N	96W	36
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155N	95W	2
155N	95W	3
155N	95W	4
155N	95W	5
155N	95W	8
155N	95W	9

155N	95W	10
155N	95W	11
155N	95W	12
155N	95W	13
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155N	95W	34
155N	95W	35
155N	95W	36

155N	94W	6
155N	94W	7
155N	94W	18
155N	94W	19
155N	94W	30
155N	94W	31

154N	97W	1
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154N	97W	11
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154N	97W	23
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154N	96W	3
154N	96W	4

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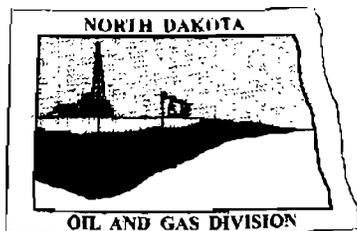
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154N	95W	33
154N	95W	34
154N	95W	35
154N	95W	36

154N	94W	6
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153N	96W	1
153N	96W	2
153N	96W	3
153N	98W	4
153N	96W	5

153N	95W	1
153N	95W	2
153N	95W	3
153N	95W	4
153N	95W	5



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

October 18, 2007

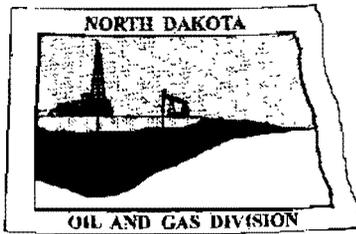
Mr. Bruce Fulker
One Riverway, Ste 440
Houston, TX 77056

RE: South Nesson 3-D
 Geophysical Exploration Permit #97-0143
 Mountrail, McKenzie and Williams Counties

Dear Mr. Fulker:

Please be advised that we are in receipt of your Geophysical Exploration permit and it is conditionally approved; effective for one year from October 18, 2007. 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



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

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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



Oil and Gas Division

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

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.oilgas.nd.gov

October 18, 2007

The Honorable Beth Innis
Williams County Auditor
P.O. Box 2047
Williston, ND 58802-2047

RE: Geophysical Exploration
 Permit #97-0143

Dear Ms. Innis:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Quantum Geophysical, Inc. was issued the above captioned permit on October 18, 2007 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 black ink, appearing to read "Todd L. Holweger", with a long horizontal flourish extending to the right.

Todd L. Holweger
DMR Permit manager



Oil and Gas Division

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

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.oilgas.nd.gov

October 18, 2007

The Honorable Karen H. Eliason
Mountrail County Auditor
P.O. Box 69
Stanley, ND 58784

RE: Geophysical Exploration
 Permit #97-0143

Dear Ms. Eliason:

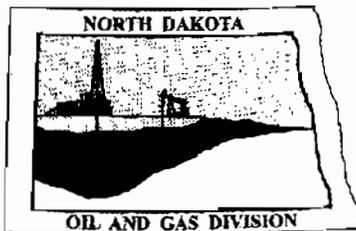
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Should you have any questions, please contact our office.

Sincerely,

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Todd L. Holweger
DMR 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.oilgas.nd.gov

October 18, 2007

The Honorable Frances Olson
McKenzie County Auditor
P.O. Box 543
Walford City, ND 58854-0543

RE: Geophysical Exploration
 Permit #97-0143

Dear Frances Olson:

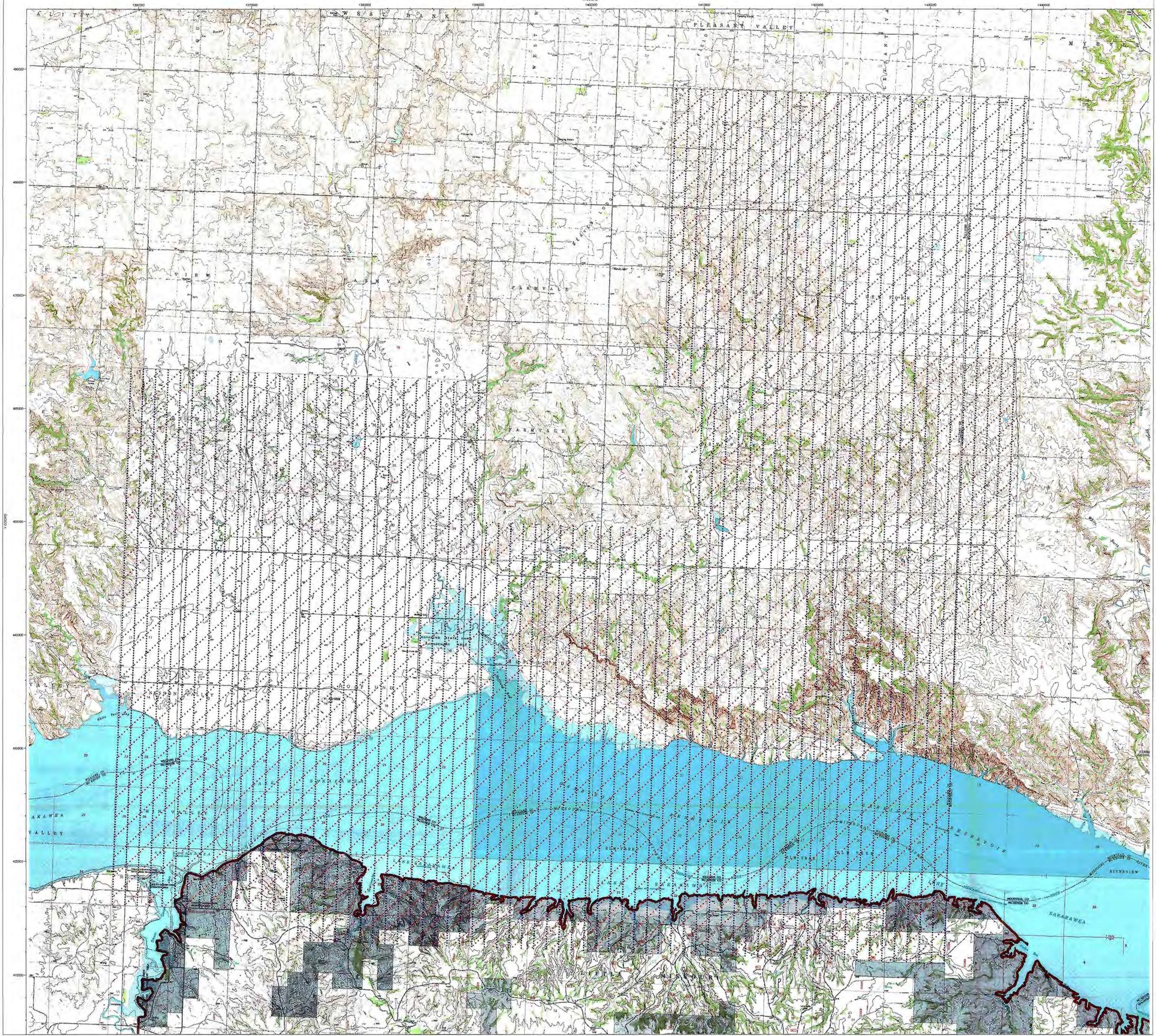
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Should you have any questions, please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd L. Holweger", with a long horizontal flourish extending to the right.

Todd L. Holweger
DMR Permit manager





South Nesson Phase II 3-D Seismic Survey
McKenzie and Williams Counties, North Dakota
Source and Receiver Point Locations

• Source Point Locations (11/28/08)
• Receiver Station Locations (11/28/08)

Data Projected in NAD 1927
 Map Produced 12/02/2008

Phase II (11/28/08)
 Phase I





1:35000




Dixie Environmental Services Co., LP



South Nesson 3-15
 Permit Renewal 970143

