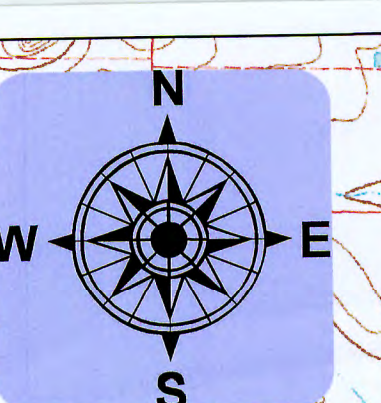
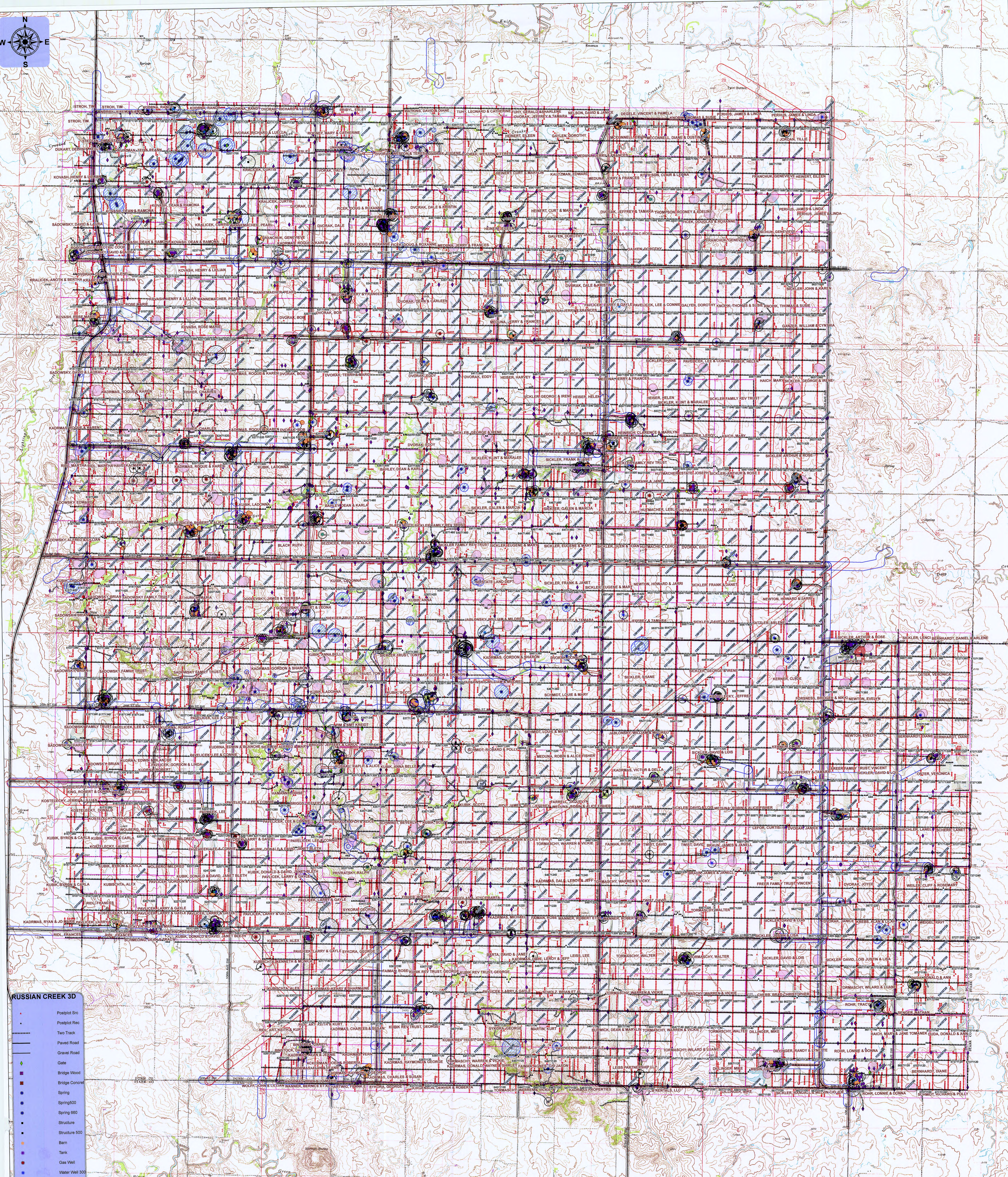


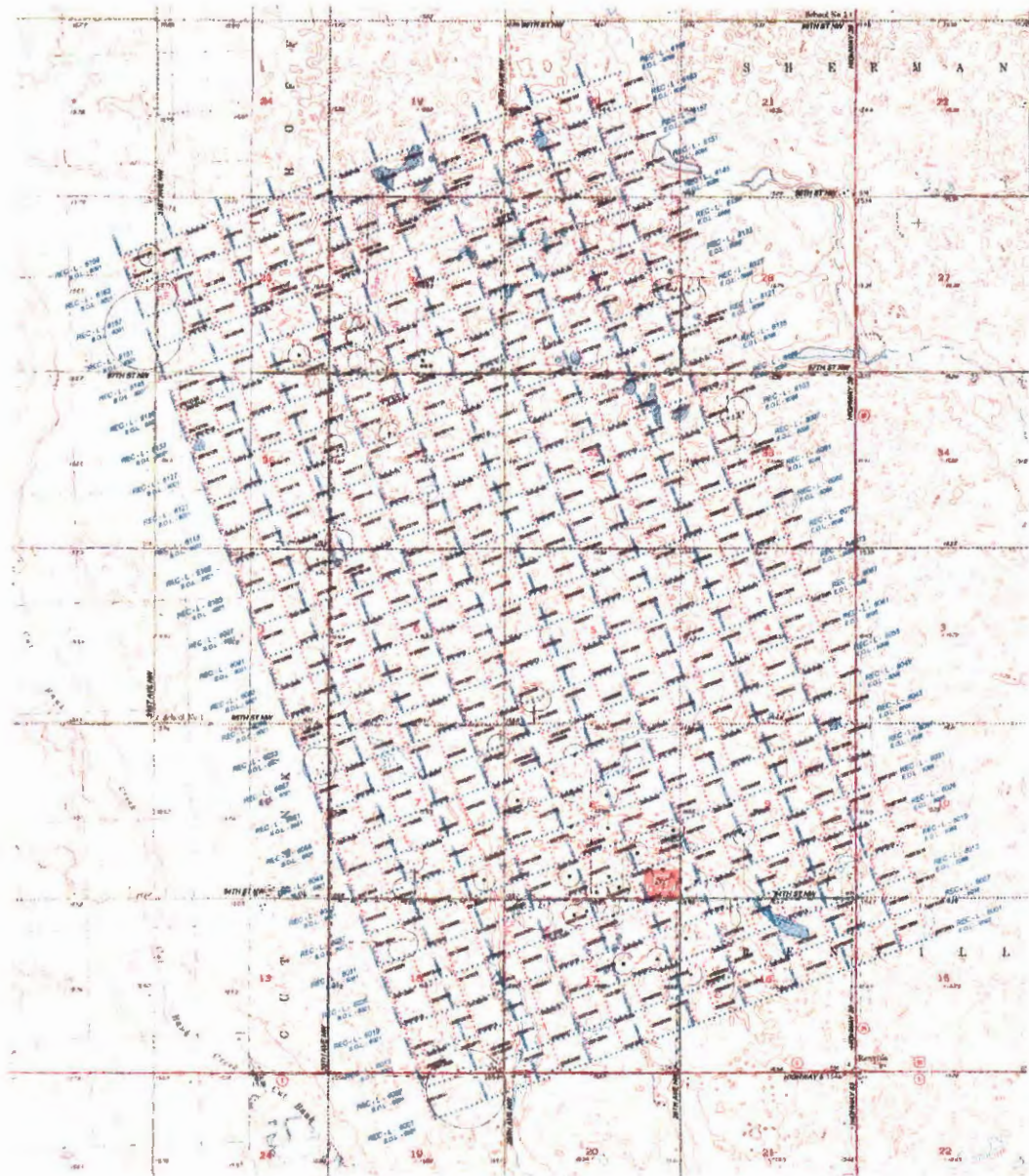
#970212 - RENVILLE 3-D
DAWSON GEOPHYSICAL
POST PLOT MAP

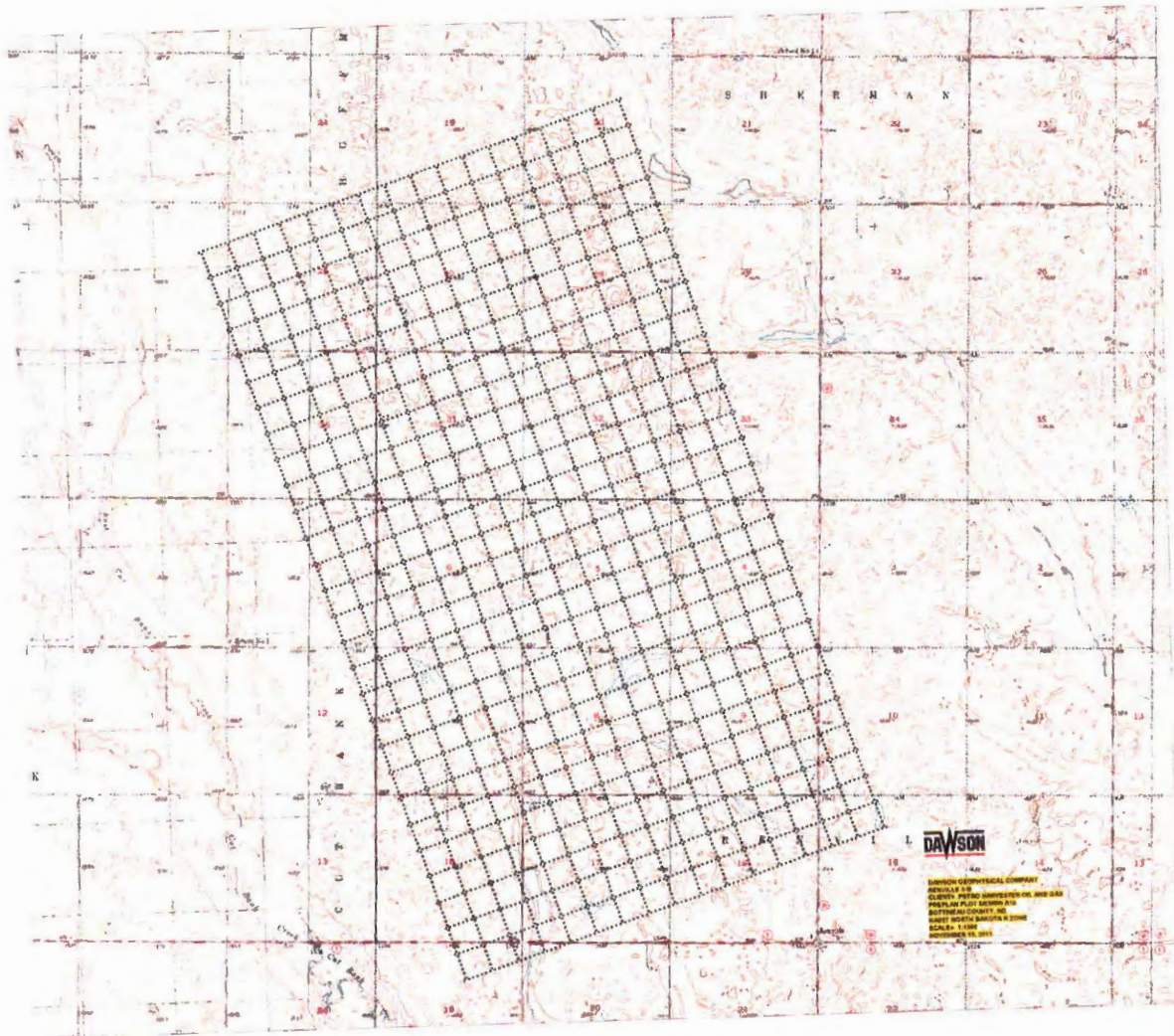


RUSSIAN CREEK 3D

- Postplot Src
- Postplot Rec
- Two Track
- Paved Road
- Gravel Road
- Gate
- Bridge Wood
- Bridge Concrete
- Spring
- Spring 500
- Spring 600
- Structure
- Structure 500
- Barn
- Tank
- Gas Well
- Water Well 300
- Water Well 500







DAWSON

DAWSON GEOPHYSICAL COMPANY
SPECIALISTS IN
CLIMATE, PETRO, GEOPHYSICAL AND GRAVITY
DATA FOR FIELD SURVEYS AND
SOUTHERN ONTOARIO AND
WESTERN SASKATCHEWAN
SCALE: 1:50,000
REVISED: 10/2011



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. 97-0212	
Shot Hole Operations	*Non-Explosive Operations Vibroseis

SECTION 1

Geophysical Contractor Dawson Geophysical Company 508 West Wall, Suite 800 Midland TX 79701	
Project Name and Number Renville 3D	County(s) Bottineau
Township(s) 161N, 162N	Range(s) 82W, 83W
Drilling and Plugging Contractors	
Date Commenced December 1, 2011	Date Completed January 10, 2012

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 8B).



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): Dawson Geophysical Company

PERMIT NUMBER: 97-0212

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF North Dakota)

COUNTY OF Bottineau)

Before me, Amy Bennefeld, a Notary Public in and for the said
County and State, this day personally appeared Judy Hakala

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

Judith Hakala
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 10th day of January, 2013.



Notary Public Amy Bennefeld

My Commission Expires 1-31-2014

St. Croix Seismic

Judy Hakala
5410 72 Circle N
Minneapolis, MN 55429

612 990-7273
email: judyinmpls@msn.com

November 4, 2011

Industrial Commission of North Dakota
Oil & Gas Division
Att: Todd Holweger
600 E Boulevard, Dept 405
Bismarck, ND 58505-0840

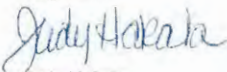
Dear Mr. Holweger,

We have completed the Renville 3D Seismic Program, Permit # 97-0212 and am attaching the Geophysical Exploration Affidavit of Completion, Forms GE 6A & GE 6B .I understand that all needs to be documented within 30 days of the completion of the program and that was January 10, 2012.

In addition I need to advise you that all of the land owners within the program received a copy of the North Dakota Oil and Gas Rules and Regulations Section 38-08.1-04 and Chapter 38-11.1 as required by the State of North Dakota. In addition there were 12 surface owners within ½ mile of the Renville 3D Program that also received the documents.

If you have any questions please again email or call me at your earliest convenience,

Regards,



Judy Hakala
St. Croix Seismic
Permit Agent
612 990-7273



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 DAWSON GEOPHYSICAL CO		Address 508 WEST WALL SUITE 800 MIDLAND TX 79701			
Contact ZANE ZIRSCHKY		Telephone 303 720-2229		Fax 432 413-3199	
Surety Company US SPECIALTY INS. CO		Bond Amount \$ 50,000		Bond Number 3005272	
2) a. Subcontractor(s) CT CORPORATION		Address PO BOX 400 BISMARCK ND		Telephone 38502-0400	
b. Subcontractor(s)		Address		Telephone	
3) Party Manager ZANE ZIRSCHKY		Address (local) 6855 S HAVANA SUITE 560		Telephone (local) 303 720-2229	
4) Project Name or Line Numbers RENVILLE 3D		Address CENTENNIAL CO 80112			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) NON EXPLOSIVE 3D					
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			APPROX 224	APPROX 17	
Size of Hole	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	
2-D					
8) Approximate Start Date NOV 15, 2011			Approximate Completion Date MAR 15, 2012		

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

9) Location of Proposed Project - County Bottineau			
Section(s), Township(s) & Range(s)	Section 24,25,26,36	T. 162 N	R. 83 W
	Section 19,20,30,29,28,31,32,33	T. 162 N	R. 82 W
	Section 1, 12	T. 161 N	R. 83 W
	Section 4,5,6,7,8,9,10,	T. 161 N	R. 82 W
	Section 18, 19, 17, 16, 15, 20	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 **10/20/11**

Signature **Judith Hakala** Printed Name **JUDITH HAKALA** Title **PERMIT AGENT - ST CROIX SEISMIC**

Email Address(es) **Judyinmpls@MSN.com**

(This space for State office use)		<p align="center">Permit Conditions</p> <ul style="list-style-type: none"> * 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.
Permit No. 970212	Approval Date 11/14/11	
Approved by Todd L. Helweg	Title	

*See Instructions On Reverse Side

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 14, 2011

Mr. Zane Zirschky
Dawson Geophysical Company
508 WEST WALL STREET
STE 800
MIDLAND, TX 79710

RE: RENVILLE 3-D
GEOPHYSICAL EXPLORATION PERMIT # 97-0212
BOTTINEAU COUNTY
NON EXPLOSIVE METHOD

Dear Mr. Zirschky:

Please be advised that we are in receipt of your Geophysical Exploration permit application and it is conditionally approved; effective for one year from NOVEMBER 14, 2011. **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION) non-explosive exploration method may not be conducted not less than 300 feet from a water well, building, underground cistern, pipelines, and flowing spring.** 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 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



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 14, 2010

The Honorable Mae Steich
Bottineau County Auditor
314 West 5th
Bottineau, ND 58318-1204

RE: Geophysical Exploration
Permit # 97-0212

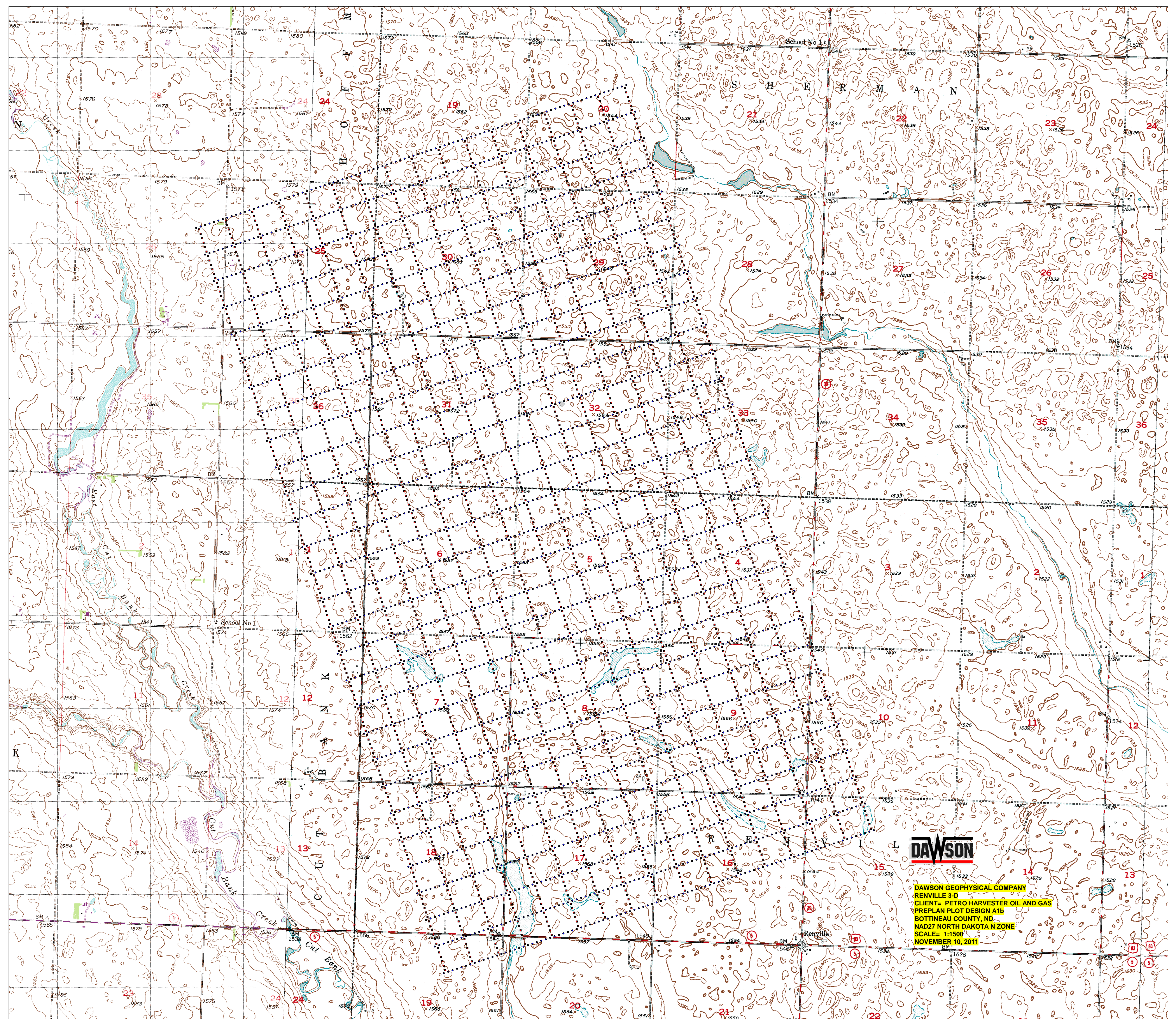
Dear Ms. Steich:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that DAWSON GEOPHYSICAL was issued the above captioned permit on NOVEMBER 14, 2011 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



DAWSON

DAWSON GEOPHYSICAL COMPANY
RENVILLE 3-D
CLIENT= PETRO HARVESTER OIL AND GAS
PREPLAN PLOT DESIGN A1B
BOTTINEAU COUNTY, ND
NAD27 NORTH DAKOTA N ZONE
SCALE= 1:1500
NOVEMBER 10, 2011

11	12	7	8	9	10
14	13	18	17	16	15
23	24	19	20	21	22
26	25	30	29	28	27
35	36	31	32	33	34
2	1	6	5	4	3
11	12	7	8	9	10
14	13	18	17	16	15
23	24	19	20	21	22
26	25	30	29	28	27
35	36	31	32	33	34

162083

162082

BOTTINEAU

161083

161082

