



# GEOPHYSICAL EXPLORATION HOLE PLUGGING REPORT - FORM GE 7A

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51457 (03-2011)

**RECEIVED**

APR 20 2017

ND Oil & Gas Div.

Geophysical Company <b>EAGLE EXPLORATION, INC DBA UNITED SEISMIC ACQUISITIC</b>	Date Plugged <del>April 11, 2017</del> <b>FEB, 12, 2017 SAH</b>
Hole Plugging Contractor <b>SAME</b>	Permit No. <b>97-0275</b>
Prospect <b>SA1, SA2, SA3 2D</b>	Hole Plugger <b>ROB HORTON</b>

Line No.	S.P. No.	Hole Depth	Drill Type *CABP	Wet/ Dry	Bent. Sx	Bent. Capsules	Capsule Size**	Surface Plug Depth	Remarks Hole Bridged, Thick Mud, Etc.
1	SA-1	101	7	track	dry				plugged
2		102	7						with
3		103	7						gravel
4		104	7						and
5		105	7						natural
6		106	7						cuttings
7		107	7						
8		108	7						
9		109	7						
10		111	7	track	dry				
11		113	7						
12		115	7						
13		117	7						
14		119	7						
15		121	7						
16		123	7						
17		125	7						
18		127	7						
19		129	7						
20	SA-1	131	7	track	dry				

\*Conventional-Auger-Buggy-Portable

\*\*Diameter X Length



**GEOPHYSICAL EXPLORATION HOLE PLUGGING REPORT - FORM GE 7A**

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 SFN 51457 (03-2011)

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 APR 20 2017  
 ND Oil & Gas Div.

Geophysical Company <i>Eagle Exploration Inc DBA Uni-Led Services, Inc</i>	Date Plugged <i>FEB, 12, 2017</i>
Hole Plugging Contractor <i>Same</i>	Permit No. <i>97.0275</i>
Prospect <i>SA1, SA2, SA3 2D</i>	Hole Plugger <i>Rob Horton</i>

Line No.	S.P. No.	Hole Depth	Drill Type *CABP	Wet/Dry	Bent. Sx	Bent. Capsules	Capsule Size**	Surface Plug Depth	Remarks Hole Bridged, Thick Mud, Etc.
1	SA-1 133	7'	Track	Dry					Plugged
2	135	[Wavy line]	[Wavy line]	[Wavy line]					with
3	137								gravel
4	138								and
5	141								natural
6	143								cuttings
7	145								
8	146								
9	149								
10	151								
11	153								
12	155								
13	156								
14	159								
15	161								
16	163								
17	165								
18	167								
19	169								
20	SA-1 171	7'	Track	Dry					

\*Conventional-Auger-Buggy-Portable

\*\*Diameter X Length



**GEOPHYSICAL EXPLORATION HOLE PLUGGING REPORT - FORM GE-7A**  
 INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51457 (03-2011)

**RECEIVED**

APR 20 2017

ND Oil & Gas Div.

Geophysical Company <i>Eagle Exploration Inc DBA United Seismicly</i>	Date Plugged <i>FEB-13-2017</i>
Hole Plugging Contractor <i>Same</i>	Permit No. <i>97-0275</i>
Prospect <i>SA1, SA2, SA3 - 2D</i>	Hole Plugger <i>Rob Horton</i>

Line No.	S.P. No.	Hole Depth	Drill Type *CABP	Wet/Dry	Bent. Sx	Bent. Capsules	Capsule Size**	Surface Plug Depth	Remarks Hole Bridged, Thick Mud, Etc.
1	173								
2	175								
3	177								
4	179								
5	180								
6	183								
7	185								
8	187								
9	189								
10	191								
11	193								
12	195								
13	197								
14	199								
15	201								
16	203								
17	205								
18	207								
19	209								
20	211								

\*Conventional-Auger-Buggy-Portable

\*\*Diameter X Length



# GEOPHYSICAL EXPLORATION HOLE PLUGGING REPORT - FORM GE 7A

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51457 (03-2011)

## RECEIVED

APR 20 2017

ND Oil & Gas Div.

Geophysical Company <i>Eagle Exploratio DBA United Seismic Inc</i>	Date Plugged <i>FEB-13-2017</i>
Hole Plugging Contractor <i>Same</i>	Permit No. <i>970775</i>
Prospect <i>SA1, SA2, SA3 2D</i>	Hole Plugging <i>Rob Harton</i>

Line No.	S.P. No.	Hole Depth	Drill Type *CABP	Wet/Dry	Bent. Sx	Bent. Capsules	Capsule Size**	Surface Plug Depth	Remarks Hole Bridged, Thick Mud, Etc.
1	213								
2	217								
3	219								
4	221								
5	223								
6	225								
7	227								
8	229								
9	231								
10	233								
11	235								
12	237								
13	239								
14	241								
15	243								
16	245								
17	246								
18	247								
19	248								
20	249								

\*Conventional-Auger-Buggy-Portable

\*\*Diameter X Length



# GEOPHYSICAL EXPLORATION HOLE PLUGGING REPORT - FORM GE 7A

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 51457 (03-2011)

RECEIVED

APR 20 2017

ND Oil & Gas Div.

Geophysical Company <i>Eagle Exp DBA United Seismic Acq</i>	Date Plugged <i>FEB 13, 2017</i>
Hole Plugging Contractor <i>Sowle</i>	Permit No. <i>97-0275</i>
Prospect <i>SA1, SA2, SA3 - 2D</i>	Hole Pluggger <i>Rob Horton</i>

Line No.	S.P. No.	Hole Depth	Drill Type *CABP	Wet/Dry	Bent. Sx	Bent. Capsules	Capsule Size**	Surface Plug Depth	Remarks Hole Bridged, Thick Mud, Etc.
1	250	7	Track	Dry					Plugged with gravel and natural cuttings
2	251	1	}	}					
3	252	1	}	}					
4	253		}	}					
5	254	7	7	Dry					
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

\*Conventional-Auger-Buggy-Portable

\*\*Diameter X Length



# 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)

# RECEIVED

APR 20 2017

ND Oil & Gas Div.

Permit No. <b>97-0275</b>	
Shot Hole Operations <b>X</b>	*Non-Explosive Operations

## SECTION 1

Geophysical Contractor <b>Eagle Exploration, Inc - dba - Unites Seismic Acquisition</b>	
Project Name and Number <b>SA-1,SA-2,SA-3 2D</b>	County(s) <b>RENVILLE</b>
Township(s) <b>159N</b>	Range(s) <b>86W</b>
Drilling and Plugging Contractors <b>SAME</b>	
Date Commenced <del>April 11, 2017</del> <b>Nov 29, 2016 SAH</b>	Date Completed <del>April 11, 2017</del> <b>FEB 16, 2017 SAH</b>

## SECTION 2

First S.P. #	Last S.P. #												
Loaded Holes (Undetonated Shot Points) <b>NA</b>													
S.P.#s													
Charge Size													
Depth													
Reasons Holes Were Not Shot <b>NA</b>													

## SECTION 3

Flowing Holes and/or Blowouts S.P.#s <b>NA</b>
Procedure for Plugging Flowing Holes and/or Blowouts <b>NA</b>
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).



**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)

**RECEIVED**

APR 20 2017

**ND Oil & Gas Div.**

PERMIT NAME (Required): SA-1, SA-2, SA-3 2D

PERMIT NUMBER: 97-0275

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

STATE OF MICHIGAN )

COUNTY OF GRAND TRAVERSE )

Before me, Lee Ann Weber, a Notary Public in and for the said

County and State, this day personally appeared LEONARD A. HARRAND

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

EAGLE EXPLORATION, INC. DBA UNITED SEISMIC ACQUISITION, 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 15<sup>th</sup> day of April 2017.

Notary Public [Signature]

My Commission Expires 8/9/2018

LEE ANN WEBER  
NOTARY PUBLIC - MICHIGAN  
GRAND TRAVERSE COUNTY  
MY COMMISSION EXPIRES 08-09-2018  
ACTING IN GRAND TRAVERSE COUNTY



**GEOPHYSICAL EXPLORATION AFFIDAVIT OF PLUGGING (HOLE PLUGGER) - FORM GE 7B**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 51457 (03-2011)

**RECEIVED**  
APR 20 2017  
ND Oil & Gas Div.

PERMIT NAME (Required): SA-1, SA-2, SA3 2D

PERMIT NUMBER: 97-0275

**AFFIDAVIT OF PLUGGING (HOLE PLUGGER)**

STATE OF MICHIGAN )

COUNTY OF GRAND TRAVERSE )

Before me, Lee Ann Weber a Notary Public in and for the said

County and State, this day personally appeared LEONARD A. HARRAND

who being first duly sworn, deposes and says that (s)he is employed by EAGLE EXPLORATION, INC DBA UNITED SEISMIC ACQUISITION, 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 18th day of April, 2017

Notary Public [Signature]

My Commission Expires 8/9/2018

**LEE ANN WEBER**  
NOTARY PUBLIC - MICHIGAN  
GRAND TRAVERSE COUNTY  
MY COMMISSION EXPIRES 08-09-2018  
ACTING IN GRAND TRAVERSE COUNTY



# EAGLE EXPLORATION, INC.

PO BOX 89  
Grawn, MI 49637  
Phone (231) 218-7293  
Fax (877) 218-7292

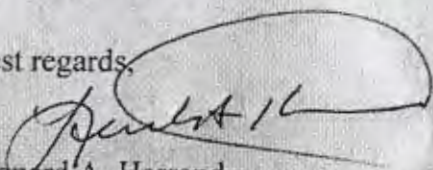
North Dakota Oil & Gas Division  
600 East Boulevard Dept 405  
Bismarck, ND 58505-0840

November, 17, 2016

To Whom It May Concern:

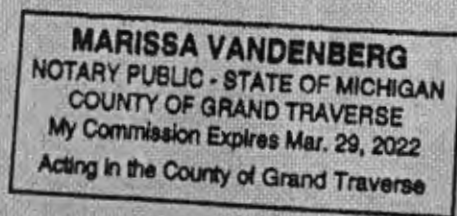
This letter is to confirm all known land owners within the SA-1, SA-2, and SA-3 2-D seismic survey and those within a 1/2 mile border of the survey were sent notice and provided a copy of the NDCC Section 38-08.1-04.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil & Gas Production Damage Compensation) at the time of permitting and will be sent notification prior to commencement of the survey.

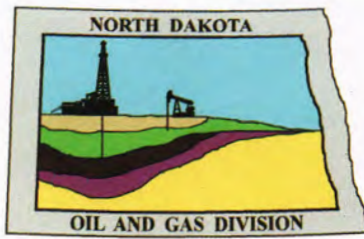
Best regards,

  
Leonard A. Harrand

NOTARY: Marissa Vandenberg

MY COMMISSION EXPIRES: March 29, 2022





# 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/)

November 21, 2016

Mr. Leonard A. Harrand  
President  
Eagle Exp., Inc. dba United Seismic Acquisition  
P.O. Box 89  
Grawn, MI 49637

RE: SA-1, SA-2, SA-3 2-D  
GEOPHYSICAL EXPLORATION PERMIT #97-0275  
RENVILLE COUNTY  
EXPLOSIVE METHOD

Dear Mr. Harrand:

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 21, 2016. **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION) explosive exploration method may not be conducted not less than 660 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. Provide a GIS layer using NAD83 in an Esri shape file format (if available) and an Image file (.img) on a Flash Drive or email: [ttorstenson@nd.gov](mailto:ttorstenson@nd.gov) with all source and receiver points,
  - e. Affidavit 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 4.
4. 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.
  5. 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.
  6. 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/>
  7. 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  
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)

Received

NOV 16 2016

ND Oil & Gas Division

1) a. Company <i>United Seismic Acquisition</i> <b>Eagle Exploration Inc. DBA United Seis</b>		Address <b>PO Box 89, Grawn, MI 49637</b>	
Contact <b>Leonard A. Harrand</b>	Telephone <b>231-218-7293</b>	Fax <b>877-218-7292</b>	
Surety Company <b>Great American Insurance Company</b>	Bond Amount <b>\$50,000.00</b>	Bond Number <b>E121611</b>	
2) a. Subcontractor(s)		Address	
b. Subcontractor(s)		Address	
3) Party Manager <b>Karl Richter</b>		Address (local)	
4) Project Name or Line Numbers <b>SA-1, SA-2, SA-3 2-D</b>		Telephone (local) <b>231-218-7296</b>	
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) <b>Shothole</b>			
6) Distance Restrictions (Must check all that apply)			
<input type="checkbox"/> 300 feet - NonExplosive - Distance setbacks apply to water wells, buildings, underground cisterns, pipelines, and flowing springs.			
<input checked="" type="checkbox"/> 660 feet - Shot Hole - Distance setbacks apply to water wells, buildings, underground cisterns, pipelines, and flowing springs.			
7) Size of Hole 3-D	Amt of Charge	Depth	Source points per sq. mi.
2-D <b>2 7/8</b>	<b>1/3lb</b>	<b>6ft</b>	<b>64</b>
8) Approximate Start Date <b>November 28th</b>		Approximate Completion Date <b>December 15th</b>	

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

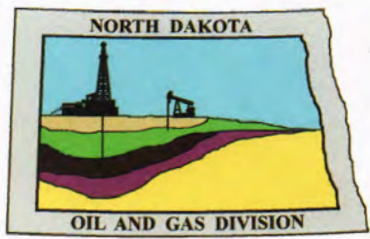
9) Location of Proposed Project - County <b>RENVILLE</b>			
Section(s), Township(s) & Range(s)	Section <b>9,15,16,21,22</b>	T. <b>159</b>	R. <b>86</b>
	Section	T.	R.
	Section	T.	R.
	Section	T.	R.
	Section	T.	R.
	Section	T.	R.

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.			Date <b>11/12/16</b>
Signature <i>Leonard A. Harrand</i>	Printed Name <b>Leonard A. Harrand</b>	Title <b>President</b>	
Email Address(es) leonard@eagleexplorationservices.com			

(This space for State office use)	
Permit No. <b>97-0275</b>	Approval Date <b>11/21/16</b>
Approved by <i>[Signature]</i>	
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.



# 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/)

November 21, 2016

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

RE: Geophysical Exploration  
Permit # 97-0275

Dear Ms. Pollman:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Eagle Exploration, Inc. dba United Seismic Acquisition was issued the above captioned permit on November 21, 2016 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



Google earth

miles  
km



# Saxon Area 2D

PERMIT #970275 - "V"  
SA-1, SA-2 & SA-3...2-D  
EAGLE EXPLORATION DBA  
UNITED SEISMIC ACQUISITION  
POST PLOT MAP

