



### SOUTH WESTHOPE 2023 2D

Equipment: Wheeled	Receiver Interval: N/A
Source: Vibe	Source Interval: N/A
Depth: N/A	Receiver Spacing: 10m
Size: N/A	Source Spacing: 30m
Drill Points: N/A	Receiver Points: 1692
Vibe Points: 604	Project Area: sq. Miles

**Layout Map** Date: 2/9/2023

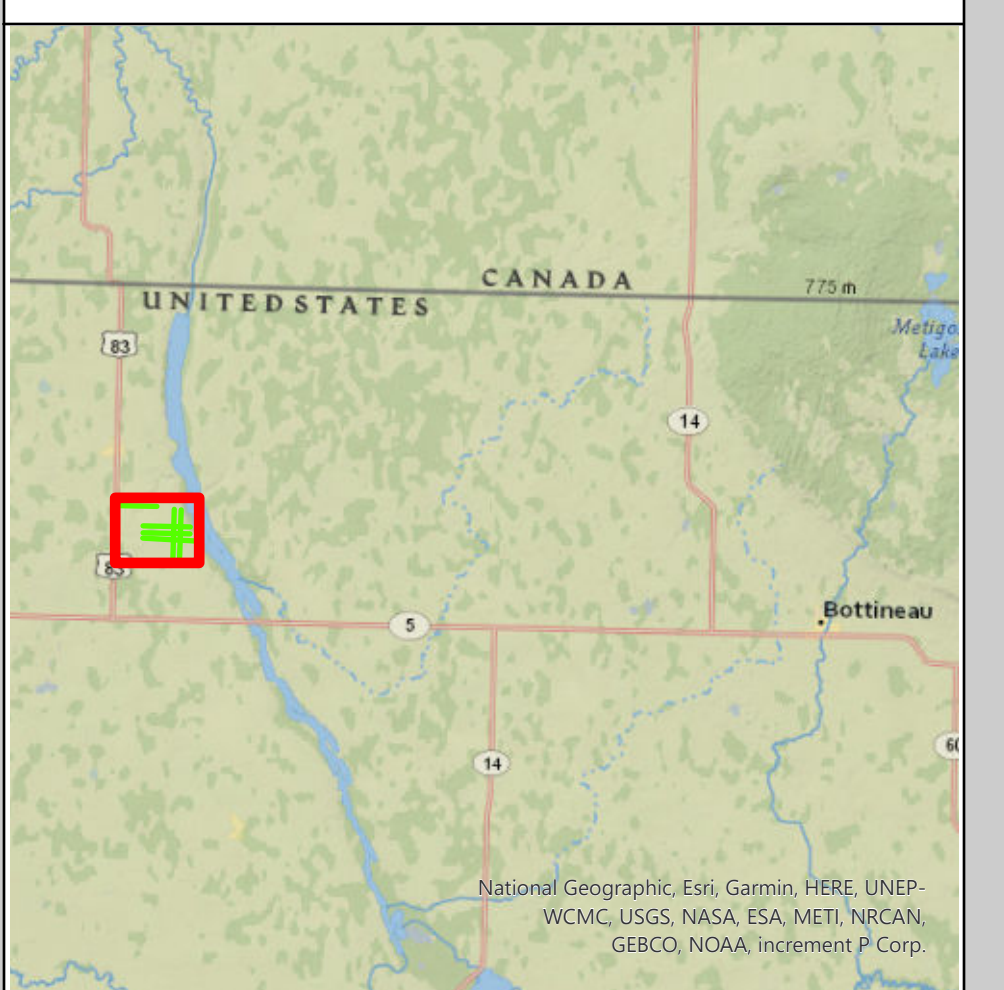
Projection: UTM Zone 14 Datum: NAD83 Scale: 1:6,750

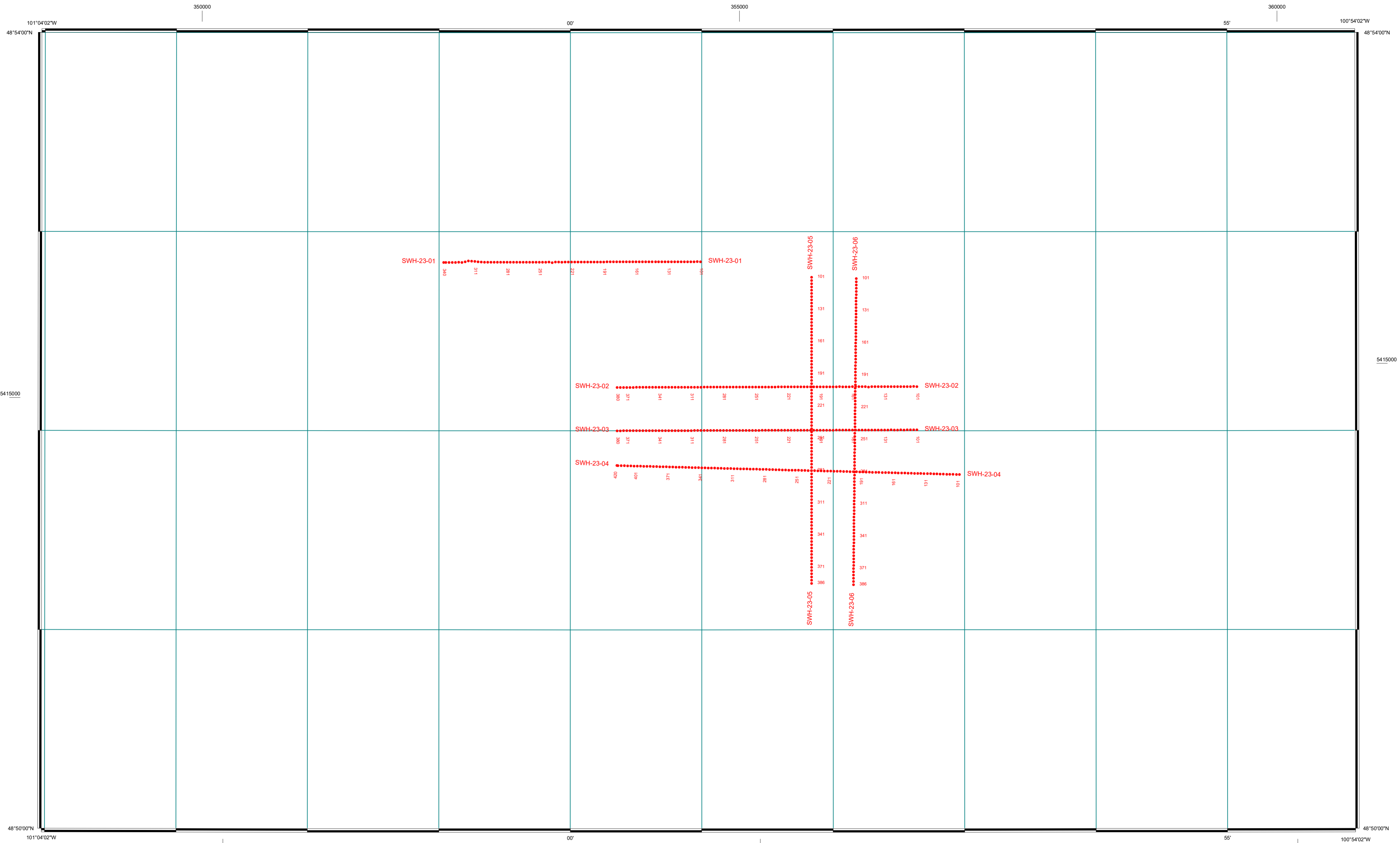
**Legend**

<ul style="list-style-type: none"> <li>● Postplot_Source</li> <li>▲ Postplot_Receiver</li> <li>▲ ACCESS</li> <li>● GATE</li> <li>× FENCE</li> <li>● PPL</li> <li>● TA</li> <li>● WELLHEAD</li> <li>● WATERLINE</li> <li>● &lt;all other values&gt;</li> <li>--- AccessTrail</li> <li>--- Waterline</li> <li>--- Pipeline</li> </ul>	<ul style="list-style-type: none"> <li>--- Fence</li> <li>--- Roads_State</li> <li>--- Roads_County</li> <li>■ Buffers</li> <li>■ Buildings</li> <li>■ Sections</li> <li>--- Townships</li> <li>--- Townships_PLSS</li> <li>--- Counties</li> </ul>
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**Status**

■ VERBAL
■ GOOD
■ <all other values>



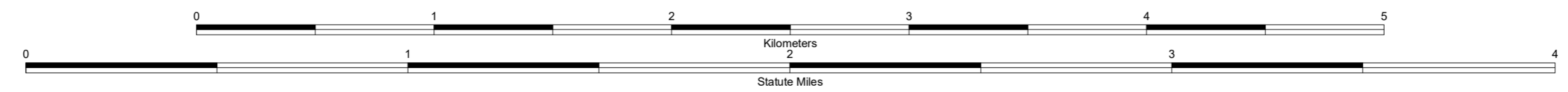


5415000

**WELL LEGEND**

- Location
- Dry and Abandoned
- Oil
- ⊗ Gas
- ⊗ Oil and Gas
- ⊗ Water Injection
- ⊗ Service
- ⊗ Capped / Potential
- ◆ Abandoned Oil
- Suspended Oil
- Capped Oil
- ⊗ Abandoned Gas
- ⊗ Suspended Gas
- ⊗ Capped Gas
- ⊗ Abandoned Oil & Gas
- ⊗ Suspended Oil & Gas
- ⊗ Capped Oil & Gas
- ⊗ Abandoned Water Inj.

Universal Transverse Mercator  
 Zone : 14N, CM : 99°W  
 NAD 1983  
 Ellipsoid : GRS 1980



<b>Resonance Energy Ltd</b>			
<b>SOUTH WESTHOPE 2023 2D</b>			
2023-234419			
Date	Feb 9, 2023	Author	anguyen
Scale	1 : 20000	DLS Vers.	





January 30, 2023

Aaron Bateman  
President  
Paragon Geophysical Services, Inc.  
3500 N. Rock Rd., Bldg. 800, Ste B  
Wichita, KS 67226

RE: SOUTH WESTHOPE 2023 2-D  
GEOPHYSICAL EXPLORATION PERMIT #97-0314  
BOTTINEAU COUNTY  
NON-EXPLOSIVE METHODS

Dear Mr. Bateman:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from January 30, 2023

**PERMIT STIPULATIONS:**

- **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION)**
- **Non-explosive exploration methods may not be conducted less than 300 feet from water wells, buildings, underground cisterns, pipelines, and flowing springs.**
- **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".**

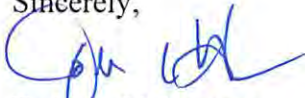
Review the following conditions for your permit:

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. Must provide a GIS layer using NAD83 in an Esri shape file format and an Image file (.img) on a Flash Drive or email: [ttorstenson@nd.gov](mailto:ttorstenson@nd.gov) with all source and receiver points,
4. 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.
  5. 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/>
  6. 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

Received

JAN 27 2023

ND Oil & Gas  
Division



**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 <b>Paragon Geophysical Services, Inc.</b>		Address <b>3500 N Rock Road, Bldg 800 Suite B, Wichita, KS, 67266</b>			
Contact <b>Aaron Bateman</b>		Telephone <b>(316) 636-5552</b>		Fax <b>(316) 636-5572</b>	
Surety Company <b>Arch Insurance</b>		Bond Amount <b>\$50,000.00</b>		Bond Number <b>SU1135989</b>	
2) a. Subcontractor(s) <b>N/A</b>		Address		Telephone	
b. Subcontractor(s)		Address		Telephone	
3) Party Manager		Address (local)		Telephone (local)	
4) Project Name or Line Numbers <b>South Westhope 2023 2D, Line #s. SWH-23-01, SWH-23-02, SWH-23-03, SWH-23-04, SWH-23-05, SWH-23-06</b>					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) <b>Non-Explosive Vibroseis, 2D</b>					
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					
Size of Hole	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	
2-D n/a	n/a	n/a	53.6	10.54	
8) Approximate Start Date <b>February 1, 2023</b>			Approximate Completion Date <b>March 1, 2023</b>		

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

9) Location of Proposed Project - County <b>Bottineau</b>						
Section(s), Township(s) & Range(s)	Section	<b>7SE,SW,NW</b>	T.	<b>162N</b>	R.	<b>79W</b>
	Section	<b>18SW,NE,NW</b>	T.	<b>162N</b>	R.	<b>79W</b>
	Section	<b>1SW</b>	T.	<b>162N</b>	R.	<b>80W</b>
	Section	<b>12SE,SW</b>	T.	<b>162N</b>	R.	<b>80W</b>
	Section	<b>13NE,NW</b>	T.	<b>162N</b>	R.	<b>80W</b>
	Section	<b>2 SE, SW</b>	T.	<b>162N</b>	R.	<b>80W</b>

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.			Date <b>January 11, 2023</b>
Signature 	Printed Name <b>James Switzer</b>	Title <b>Authorized Representative</b>	
Email Address(es) <b>James.Switzer@HarbingerX.com</b>			

(This space for State office use)		<b>Permit Conditions</b>	
Permit No. <b>97-0314</b>	Approval Date <b>1/30/23</b>	* Permit in hand required at pre-program meeting with field inspector and be aware of all NDIC Rules and Regulations (i.e. distance restrictions).	
Approved by 		* See attached letter.	
Title <b>Mineral Resources Permit Manager</b>			

\*See Instructions On Reverse Side



January 30, 2023

The Honorable Emily Deschamp  
Bottineau County Auditor  
314 W 5<sup>th</sup> St. Ste. 10  
Bottineau, ND 58318-1268

RE: Geophysical Exploration  
Permit #97-0314

Dear Ms. Deschamp:

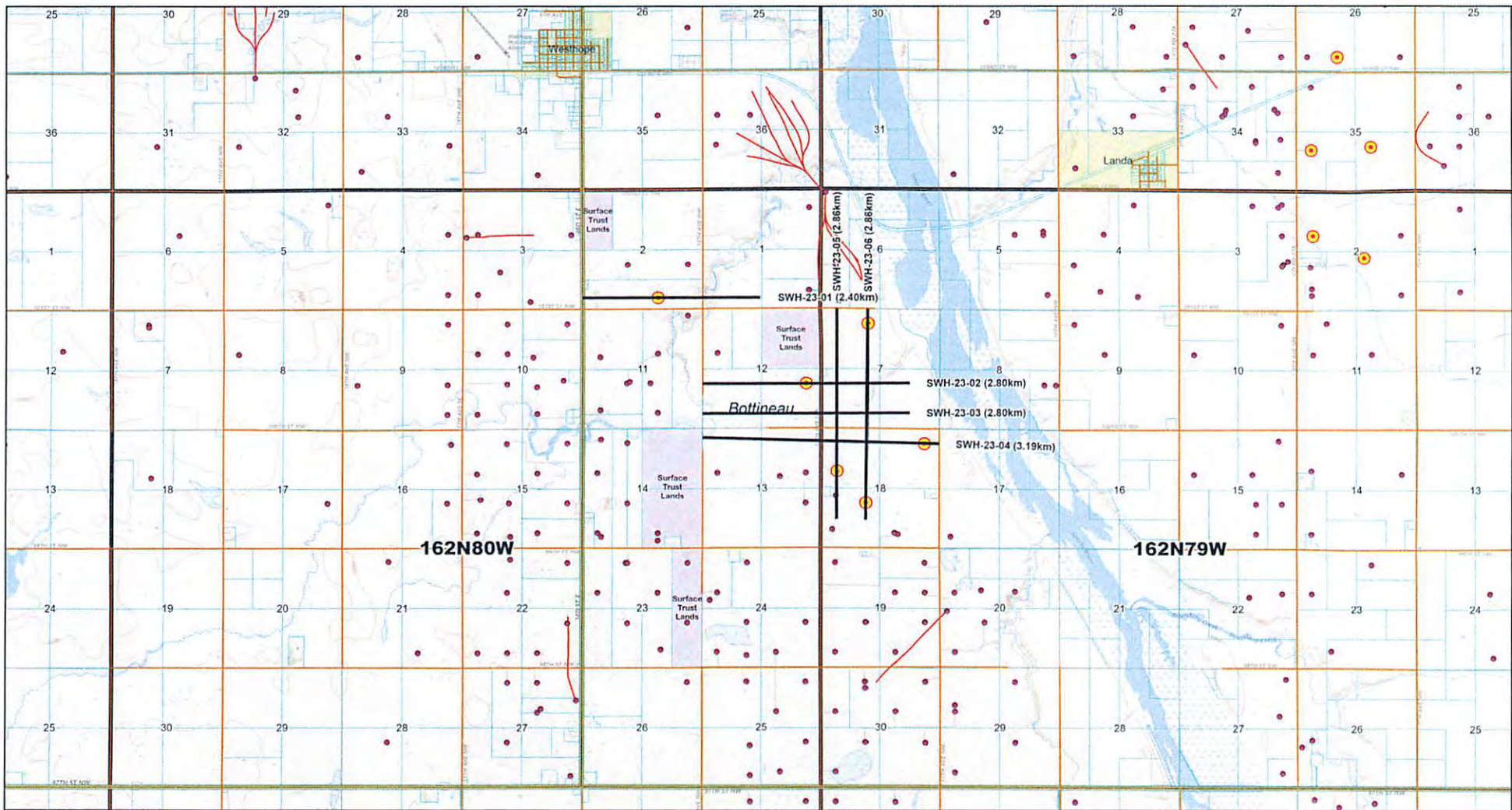
Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Paragon Geophysical Services, Inc., was issued the above captioned permit on January 30, 2023, and will remain in effect for a period of one year. The permit can be viewed on our website at: <https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp>

Should you have any questions, please contact our office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tom" followed by a stylized surname.

Todd L. Holweger  
Permit Manager

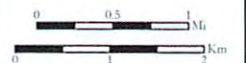


# South Westhope 2023 2D

Bottineau County, North Dakota



Scale: 1:50,000  
NAD 1983 UTM Zone 14N



2D Linear Non-Explosive Seismic Exploration 16.87 kms / 10.54 mi Vibroseis Energy Source

Last Updated: January 11, 2023



# HARBINGER EXPLORATION CORP.

71 Scenic Rise NW, Calgary, Alberta Canada T3L 1A7 Tel: 403-542-6713

January 27, 2023

Industrial Commission of North Dakota  
Oil and Gas Division  
600 East Boulevard Dept. 405  
Bismarck, ND 58505-0840

Dear Mr. Todd Holweger:

### AFFIDAVIT

Canada )  
Province of Alberta ) S.S.  
)

I, James Switzer, of Calgary, Alberta, Canada, MAKE OATH AND SAY THAT:

I, I, James Switzer, of Calgary, Alberta, Canada an approved agent of Paragon Geophysical Services, Inc., State that all operators of the land and each landowner within one-half mile of the land on which the geophysical exploration activities are to be conducted on the South Westhope 2023 2D Seismic exploration program have been provided with a copy of Section 38-08.1 (Exploration Permit) and NDCC Chapter 38.11.1 (Oil and Gas Production Damage Compensation), per the requirement of Geophysical Exploration Permit TBA.

SWORN/AFFIRMED BEFORE ME, )

at Calgary )

Alberta )


this day )

ANNA MARIE )  
KITSON )  
EXPIRES )  
JUNE 26, 2024 )

A NOTARY PUBLIC IN AND FOR )

The Province of Alberta )

My Commission expires: June 26, 2024

  
James Switzer





# North Dakota Industrial Commission Department of Mineral Resources Oil & Gas Division

## FORM GE 1 FILING AUTHORIZATION

COMPANY NAME: Paragon Geophysical Services, Inc.

ADDRESS: 3500 N Rock Rd, Unit 800B

CITY: Wichita STATE: KS ZIP: 67226

This form authorizes the person(s) listed below to submit a NDIC Geophysical Exploration Permit – Form GE 1 for approval on behalf of the designated company as listed above.

A new authorization will be required if any changes are to be made to the authorized individuals on the form.

The data submitted from the authorized individuals listed below have been checked and conform to the standards and procedures set forth by the NDIC Department of Mineral Resources.

The authorized individual(s) will ensure that the company, as listed above, and party manager receive a copy of the approved Form GE 1

<u>Authorized Individuals</u>	<u>Phone Number</u>	<u>E-Mail Address</u>
James Switzer	825-437-9689	James.Switzer@HarbingerX.com
William Peterson	989-858-0455	PetersonSeismic@Yahoo.com

Company Authorized Signature: *Erick Erwin* Date: 01/11/2023

Printed Name: Erick Erwin Title: CFO

Phone: 316-636-5552 Email Address: erick@paragongeo.com

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Witness Signature: *Jaime Jimenez* Date: 01/11/2023

Witness Printed Name: Jaime Jimenez