

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.												
97-0309												
Shot Hole Operations				*Non-Explosive Operations								
					Vibroseis							
SECTION 1												
Geophysical Con	ntractor											
Paragon Geophysical Services												
Project Name and Number				County(s)								
RTE VSP 3D				Stark								
Township(s)						Range(s)						
139 No						92 W	/est					
Drilling and Pluge	ging Contracto	ors										
N/A						T						
Date Commence						Date Comple						
Feb 10, 202	22					Feb 15,	2022					
SECTION 2												
First S.P. #						Last S.P. #						
100101						116122						
Loaded Holes (U	Indetonated S	hot Points)										
N/A												
S.P.#'s												
Charge Size												
Depth												
Reasons Holes V	Were Not Shot	i i							<u>I</u>	ı		
N/A												
SECTION 3												
Flowing Holes an	nd/or Blowouts	3										
S.P.#s												
N/A												
Procedure for Plu	ugging Flowing	a Holos and/a	or Blowoute									
Procedure for Plugging Flowing Holes and/or Blowouts N/A												
IVA												
Include a 7.5 min	nute USGS for	oographic qua	adrangle mar	or a compute	er generate	d post-plot fa	csimile of the	e approximat	e scale disnl	aving eac	h	
individual shot ho	ole, SP #, line	#, and legal I	ocation.		5	, ,		11	-	, 5		

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 58505-084C SFN 51456 (03-2011)

	PERMIT I	NAME (Required):		RTE VSP 3D		
	F	PERMIT NUMBER:	97-0309			
	AFFIDAVIT OF CO	MPLETION (GEOP	HYSICAL CC	ONTRACTOR)		
STATE OF	Kansas)				
COUNTY OF	Sedgwick)				
Before me,	Pheama	. Kareer	, a N	otary Public in and for th	ne said	
County and Sta	ite, this day personally ap			ron Bateman		
who being first	duly sworn, deposes and	says that (s)he is em	ployed by	Paragon Geophysica	ıl Services	
			, that (s)	he has read North Dako	ota	
Century Code	Section 38-08.1, that the	ne foregoing seismic	project has	been completed in		
accordance wi	th North Dakota Admini	strative Code Rule	43-02-12 and	that the statements o	n	
the reverse side of this document are true.						
		Ra	Baten	1an		
		Geophysi	cal Contractor	Representative		
Subscribed in n	ny presence and sworn be	efore me this $\frac{2}{}$	4 day of	February	, <u>2022</u> .	
	RHEANNA A KANEER Notary Public, State of Kansas My Appointment Expires	Notary Pu	ıblic	Unde		
			~			

9/29/2025

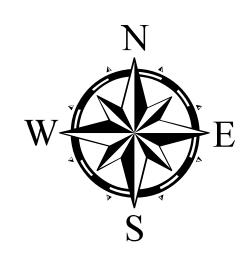
My Commission Expires

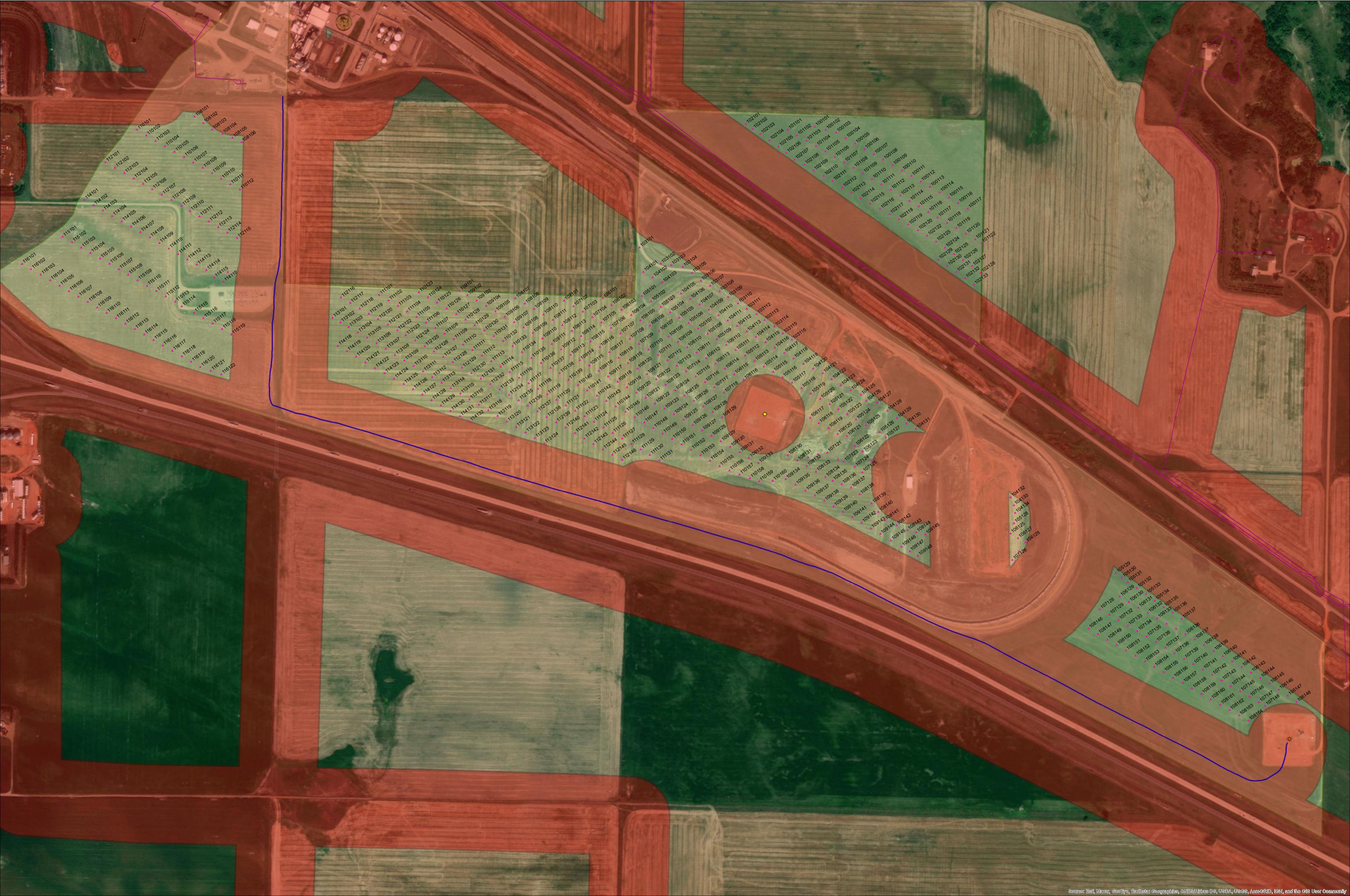
RTE_Post_VSP_NAD83M — NewFlwLine
RedTrailEnergy_lines NAD_83_MERGE_BUFFER_Dissolve

MonitorWell Outline

InjecWell

RTE VSP 3-D
Date: 2/9/2022









February 8, 2022

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

RE: RTE VSP 3-D

GEOPHYSICAL EXPLORATION PERMIT #97-0309

STARK COUNTY

NON-EXPLOSIVE METHODS

Dear Mr. Bateman:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from February 8, 2022.

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 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



GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1

Received

INDUSTRIAL COMMISSION OF NORTH DAKOTA OIL AND GAS DIVISION 600 EAST BOULEVARD DEPT 405 BISMARCK, ND 58505-0840 SFN 51459 (03-2011)

FEB - 7 2022

1) a. Company		Address ND Oil & Gas					
Paragon Geophyscial Serivces 3500 N Rock Road. Bldg 800 Suite B Wichita KS 67266 Division							
Contact		Telephone			Fax		
Aaron Bateman		316.636.5552			316.636.5572		
Surety Company		Bond Amount			Bond Number		
Arch Insurance				\$50,000.00	SU1135989		
2) a. Subcontractor(s)		Address				Telephone	
N/A							
b. Subcontractor(s)		Address			Telephone		
N/A		1					
3) Party Manager		Address (local)			Telephone (local)		
Adrian Sanchez					970.739.7350		
4) Project Name or Line N	Numbers						
RTE VSP 3-0							
	not Hole, Non-Explosive, 21	D, 3D, Other)					
Non-Explosive Vibr							
6) Distance Restrictions (I	Must check all that apply)						
	sive - Distance setbacks a	pply to water wells	, buildings, under	round cisterns.	oipelines, and flow	vina sprinas	
660 feet - Shot Hole	e - Distance setbacks apply	to water wells bu	ildinge undergrou	nd eisterne wire	lines and florida	ang springs.	
					and nowing	springs.	
7) Size of Hole	Amt of Charge	Depth	Source points	s per sq. mi.	No. of sq. mi.		
3-D N/A	N/A	N/A	542		.688 Sq. Mi.		
Size of Hole	Amt of Charge	Depth	Source point	s per In. mi.	No. of In. mi.		
2-D							
8) Approximate Start Date				nate Completion	Date		
February 15, 2022				ary 28,2022			
THE COMMISSION	MUST BE NOTIFIED AT	LEAST 24 HOUR	RS IN ADVANCE	OF COMMEN	CEMENT OF GE	OPHYSICAL OPERATIONS	
9) Location of Proposed P	roject - County						
Stark	rojour ovanty						
	Section			Т.		In.	
	000000	4			39	R. 92	
	Section	-		Ta	133	R. 92	
		9		139		92	
	Section			T.	39	R.	
Section(s),	1	10			39	92	
Township(s)	Section			Т.		R.	
& Range(s)						Γ.	
	Section			T.		R.	
	SOCERUMA!			1.4		N-	
Section				T.		R.	
	333,311			10		D.	
hereby swear or affirm that	at the information provided	is true, complete a	and correct as dete	ermined from all	available records	Date	
						F=6 2 2.22	
Signature	age	Printed Name		Title	3	0.90	
Bruce Fulker				Authorized Agent for Paragon			
Email Address(es)		z. aco i aikoi		į Au	monzeu Agei	it for Faragon	
ofulker@cougarlandserivce	es.net					1	
Permit Conditions						onditions	
	(This space for State off	ice use)		* Permit	in hand required a	at are program months.	
Permit No.	Approval Date	* Permit in hand required at pre-program meeting with field inspector and be aware of all NDIC Rules					
4/-	22_						
Approved by and Regulations (i.e. distance restrictions).					ance restrictions).		
1 Oct of the last time							
Mineral Resources Permit Manager				* See attached letter.			
	TATTERNAME NAMED IN		₩ =			1	





February 8, 2022

The Honorable Karen Richard Stark County Auditor P.O. Box 130 Dickinson, ND 58602-0130

> RE: Geophysical Exploration Permit #97-0309

Dear Ms. Richard:

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 February 8, 2022, 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.

Todd I Howe

Permit manager



AFFIDAVIT OF NOTICE

BEFORE ME, the undersigned authority, personally appeared Bruce A. Fulker of Cougar Land Services, LLC., whose office address is located at 19901 SW Freeway, Suite 102, Sugar Land, TX. 77479 who being duly sworn, upon oath stated and affirmed that as an authorized agent for Paragon Geophysical Services, Inc. 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 RTE VSP project in the extended area 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 the Geophysical Exploration Permit.

Do I	
Bruce A. Fulker	
STATE OF COLORADO	,
COUNTY OF KIT CARSON) ss)

Executed this 2nd day of February 2, 2022

The foregoing instrument was acknowledged signed and subscribed before me this 2nd day of February 2, 2022, by Bruce A. Fulker, who represented that he was duly authorized to execute the foregoing instrument for the uses and purposes set forth therein.

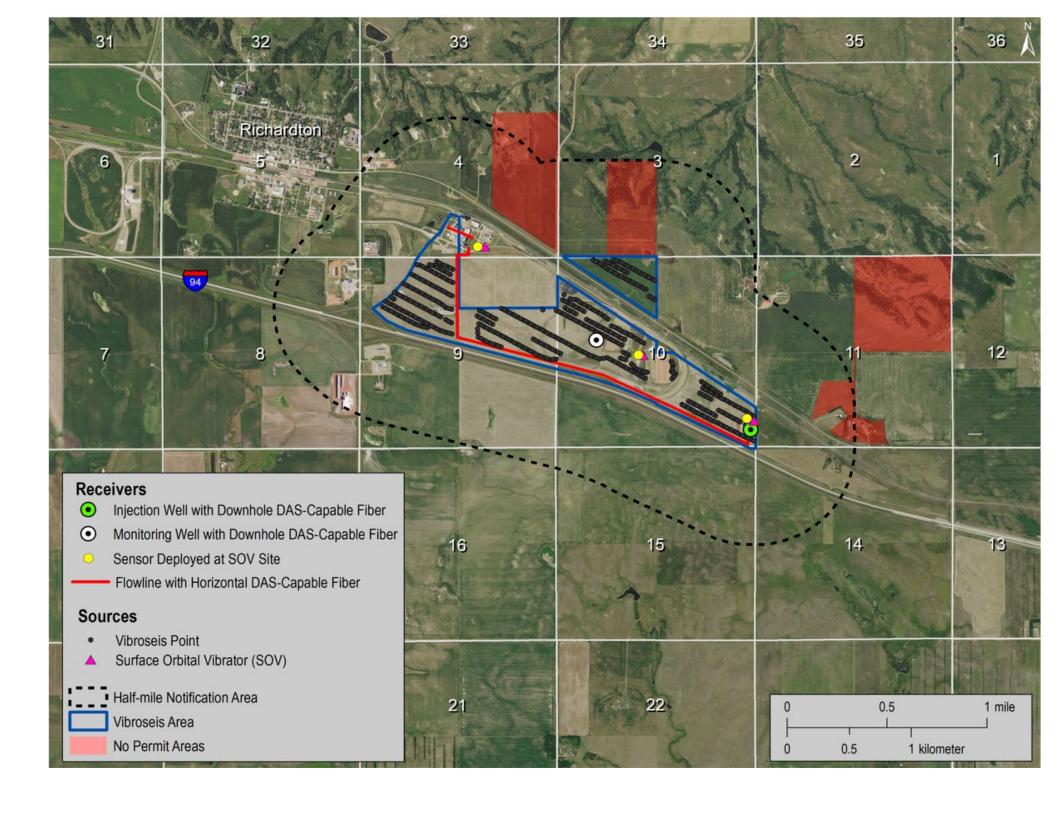
WITNESS my hand and official seal.

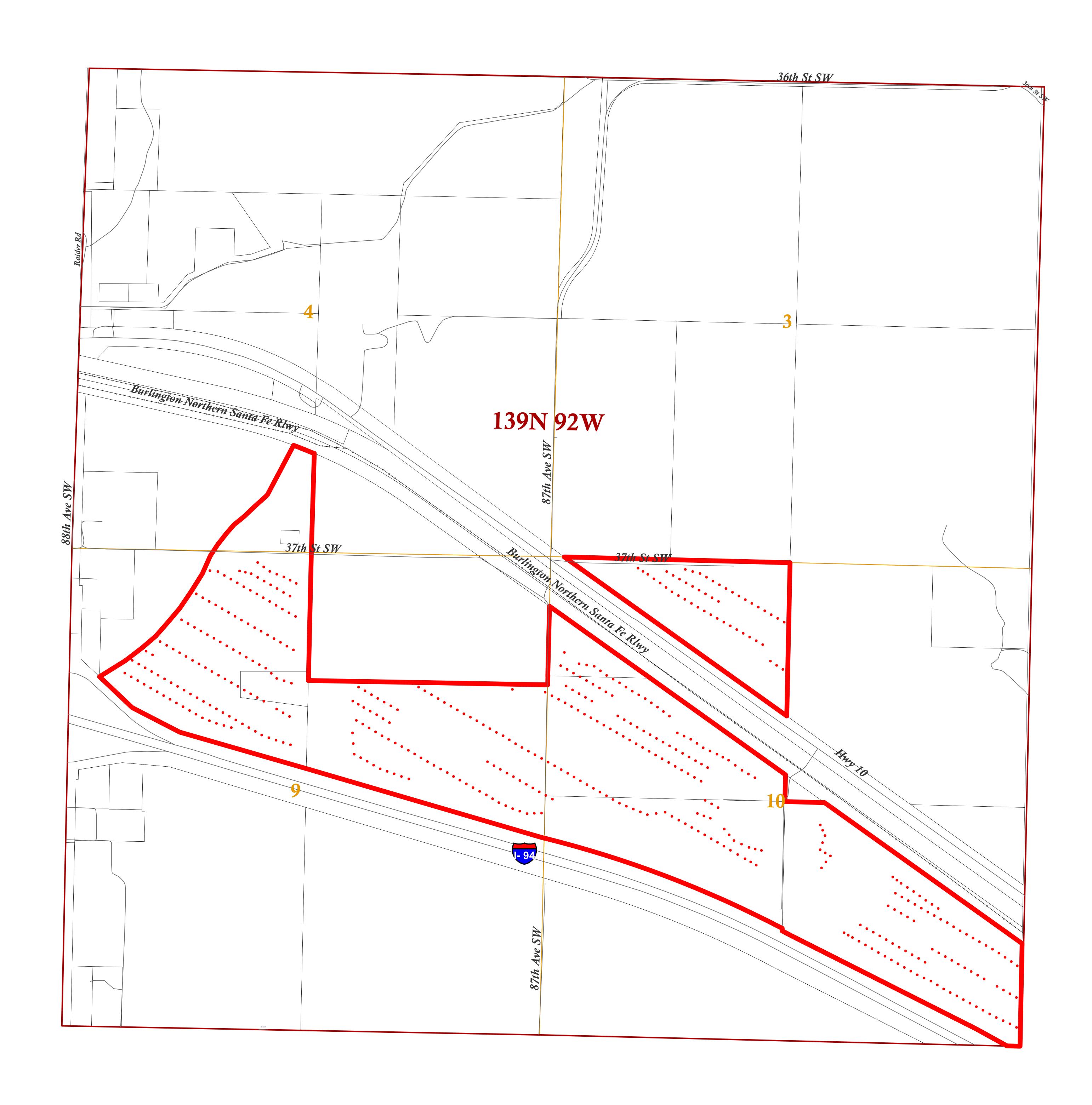
SARAH ERKER
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20124022727
MY COMMISSION EXPIRES APRIL 11, 2024

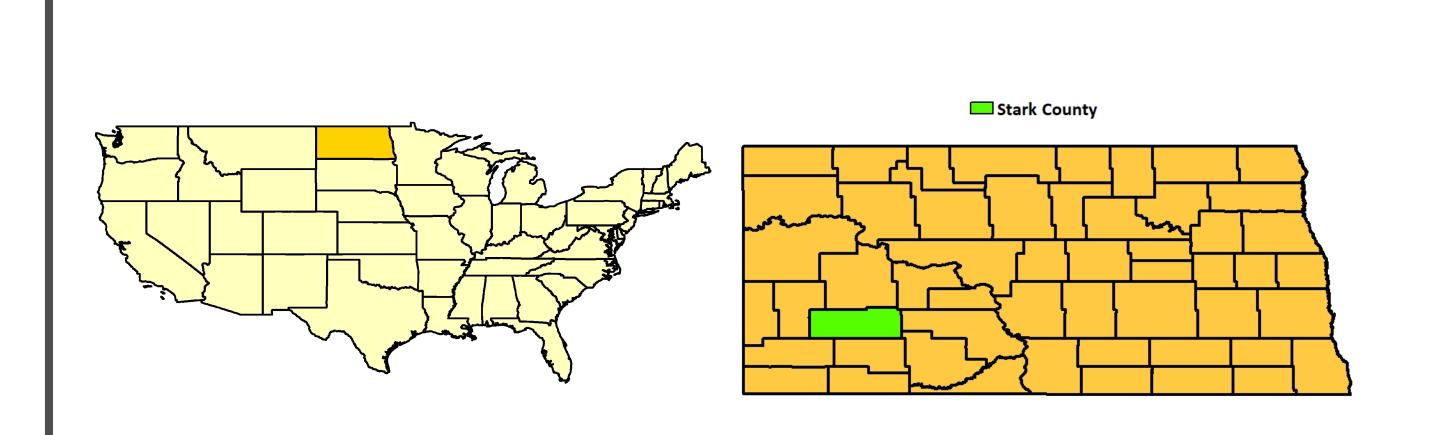
Vame: Sarah Erker Notary Put

Notary Public State of Colorado

My commission Expires: 4/1/29

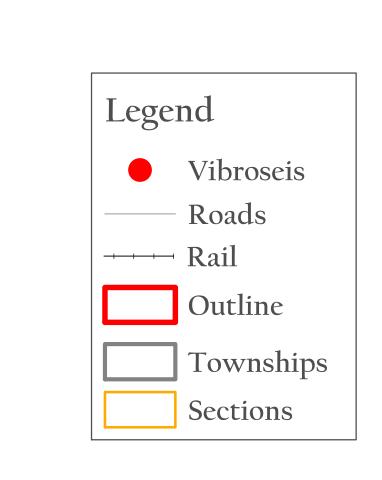






RTE-VSP Surface Map

February 02, 2022





Area Of Interest

0.688 Square Miles 440.32 Acres Stark County North Dakota

This map has been carefully prepared from official records, maps, engineering data, photographs and/or other information, which is provided as a courtesy only. We make no warranties as to its completeness or accuracy, whether expressed or implied



A crew from Paragon Geophysical Services, Inc. will be collecting information on subsurface rock layers at the Red Trail Energy (RTE) ethanol plant near Richardton, North Dakota, beginning February 10–28. Paragon is working in cooperation with RTE under a state permit approved by the North Dakota Industrial Commission and with the knowledge of the Richardton City Commissioners. All work will be limited to land owned by RTE. Care will be taken to avoid or minimize any environmental impacts and maintain normal traffic flow.

The survey will encompass about 1 square mile of RTE land surrounding the ethanol plant, avoiding railroad and highway rights-of-way. The test involves a network of previously installed sensors and two source trucks (called vibroseis trucks). The survey crew will drive the trucks in parallel lines on RTE land and stop at intervals to vibrate the ground for 1–2 minutes. A person standing 100 feet from the source will not feel ground vibration. The trucks will not operate within 300 feet of buildings and other infrastructure, in accordance with the state permit. Geophysical surveys are a common data collection tool and have been used in every county in western North Dakota, including a previous survey carried out at this site in early 2019.

The geophysical survey is being conducted as part of the RTE CCS (carbon capture and storage) project to make its ethanol more valuable by investigating techniques to reduce carbon dioxide emissions from ethanol production. RTE is working on the project with the University of North Dakota's Energy & Environmental Research Center (EERC), whose research at the site is investigating the efficacy of low-impact techniques to monitor commercial-scale geologic storage for carbon dioxide. Engineers and scientists at the EERC will combine the geologic information collected in both geophysical surveys to establish baseline conditions for the monitoring data to be collected as part of the low-impact study.

More information about the RTE CCS project is available at https://undeerc.org/RedTrailEnergy/.



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

FORM GE 1 FILING AUTHORIZATION

COMPANY NAME: Paragon Geophyical Services, Inc.

ADDRESS: 3500 North Rock Road Bldg 800 Suite B							
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							
Authorized Individuals	Phone Number	E-Mail A	Address				
Bruce Fulker	713.806.2024	bfulker@	②cougarlar	ndservices.net			
Company Authorized Signature: Rand Botteman Date: September 28, 2021 Printed Name: Aaron Bateman Title: President							
Phone: (316) 636-5552							
Witness Signature: Date: 9/28/2021 Witness Printed Name: Royce Hammer							
110,00							