

CHSU 3D - 1788ND
Denbury

Postplot - Split Estate
SmallTrall ReWork

1/16/2023
5:16PM - 2023
10/9/2023
12:13

Bowman County, ND

10/9/2023

Scale: 1:16,000



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

OCT 4 2023

Permit No. 97-0310		ND Oil & Gas Division
Shot Hole Operations N/A	*Non-Explosive Operations Vibroseis	

SECTION 1

Geophysical Contractor Paragon Geophysical Services, Inc.	
Project Name and Number CHSU 3D	County(s) Bowman
Township(s) 130-131-132 N	Range(s) 105-106-107W
Drilling and Plugging Contractors N/A	
Date Commenced October 4, 2022	Date Completed November 28, 2022

SECTION 2

First S.P. #	Last S.P. #											
Loaded Holes (Undetonated Shot Points) N/A												
S.P.#s												
Charge Size												
Depth												
Reasons Holes Were Not Shot												

SECTION 3

Flowing Holes and/or Blowouts S.P.#s N/A
Procedure for Plugging Flowing Holes and/or Blowouts N/A
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).



Received

PERMIT NAME (Required): CHSU 3D OCT 4 2023
 PERMIT NUMBER: 97-0310

ND Oil & Gas
 Division

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF Kansas)
)
 COUNTY OF Sedgwick)

Before me, Staci Kleinschmidt, a Notary Public in and for the said
 County and State, this day personally appeared Aaron Bateman

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

Paragon Geophysical Services, Inc., 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.

Aaron Bateman
 Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 15th day of May, 2023.



Notary Public

Staci Kleinschmidt

My Commission Expires 01/11/2027



June 17, 2022

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

RE: CEDAR HILLS SOUTH UNIT 3-D
GEOPHYSICAL EXPLORATION PERMIT #97-0310
BOWMAN COUNTY
NON-EXPLOSIVE METHODS

Dear Mr. Bateman:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from June 17, 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

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 Paragon Geophysical Services Inc.		Address 3500 N Rock Road, Bldg. 800, Ste B Wichita, KS 67266			
Contact Aaron Bateman		Telephone (316) 636-5552		Fax	
Surety Company Arch Insurance		Bond Amount \$50,000.00		Bond Number SU1135989	
2) a. Subcontractor(s) N/A		Address		Telephone	
b. Subcontractor(s)		Address		Telephone	
3) Party Manager Chad Hall		Address (local)		Telephone (local) (251) 227-5163	
4) Project Name or Line Numbers Cedar Hills South Unit 3D					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) Non-Explosive - Vibroseis					
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 3-D N/A	Amt of Charge N/A	Depth N/A	Source points per sq. mi. 191	No. of sq. mi. 90.78	
Size of Hole 2-D N/A	Amt of Charge N/A	Depth N/A	Source points per ln. mi.	No. of ln. mi.	
8) Approximate Start Date August 1, 2022			Approximate Completion Date September 30, 2022		

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

9) Location of Proposed Project - County Bowman County - See Attached "Exhibit A" for Township - Range - Sections			
Section(s), Township(s) & Range(s)	Section	T.	R.
	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 6/6/22
Signature 	Printed Name Bruce Fulker	Agent for Paragon Geophysical Services
Email Address(es) bfulker@cougarlandservices.net - abateman@paragongeo.com		

(This space for State office use)	
Permit No. 970310	Approval Date 6/17/22
Approved by 	
Title Mineral Resources Permit Manager	

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.

GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1
SFN 51459

1. The original and one copy of a complete application must be submitted to the Oil and Gas Division. Be sure the form is complete.
2. This form must be accompanied by the \$100 permit fee and a pre-plot map displaying the proposed location of the seismic program lines.
3. Operations shall not commence until the Geophysical Exploration Permit - Form GE 1 has been approved.
4. Be sure that you have read and thoroughly understand the geophysical exploration rules and regulations, Chapter 38-08.1 North Dakota Century Code and Chapter 43-02-12 North Dakota Administrative Code.
5. An application for a geophysical exploration permit must be submitted to the Commission at least three business days before commencing operations.
6. Must supply latitudes and longitudes of post-plot source and receiving points electronically.

Any questions or comments should be directed to:

GEOPHYSICAL REGULATION SUPERVISOR
INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD AVE, DEPT 405
BISMARCK, NORTH DAKOTA 58505-0840

TELEPHONE 701-328-8020
FAX 701-328-8022

Exhibit "A"

Geophysical Exploration Permit Form GE 1

Cedar Hills South Unit 3D

Paragon Geophysical Services, Inc.

Township 132 N Range 107 West: Sections 24.25.36

Township 132 N Range 106 West: Sections: 19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36

Township 132 N Range 105 West: Sections: 19.20.28.29.30.31.32.33

Township 131 N Range 107 West: Sections: 1.12.13

Township 131 N Range 106 West: Sections:

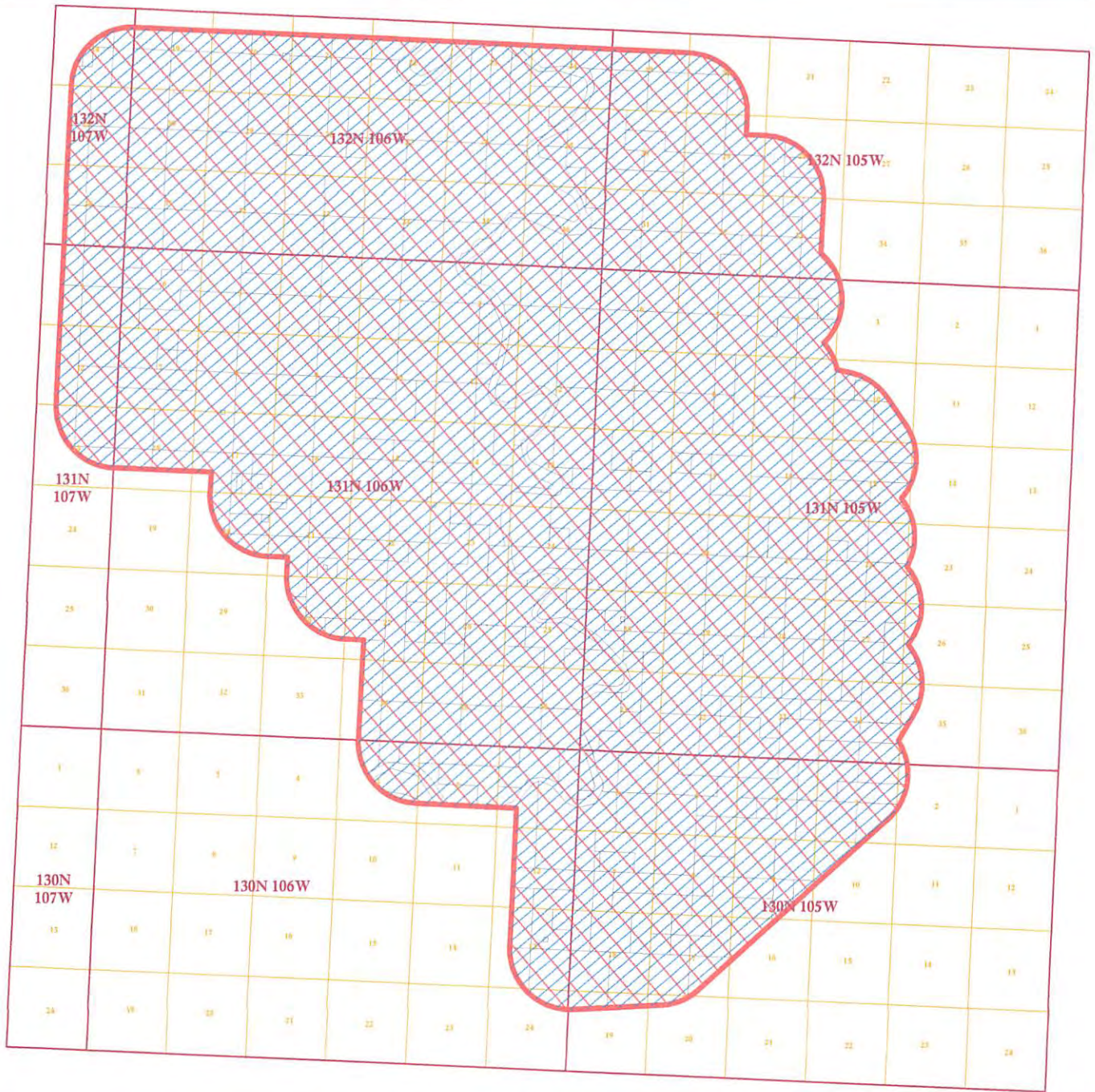
1.2.3.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.21.22.23.24.25.26.27.28.34.35.36

Township 131 N Range 105 West: Sections:

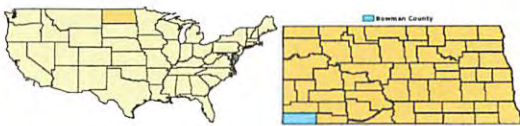
3.4.5.6.7.8.9.10.11.14.15.16.17.18.19.20.21.22.23.26.27.28.29.30.31.32.33.34.35

Township 130 N Range 106 West: Sections: 1.2.3.12.13.24

Township 130 N Range 105 West: Sections: 2.3.4.5.6.7.8.9.10.16.17.18.19.20



Cedar Hills South 3D Surface Map



- Legend**
- Source
 - Receivers
 - State Hwy.
 - County Road
 - Rail
 - Other Roads
 - Outline
 - Townships
 - Sections



State Plane
North Dakota South
NAD 27
Scale 1:24,000

Area Of Interest

90.78 Sq. Miles
58,099.20 Acres
Bowman County
North Dakota

This map was prepared using ESRI ArcView 3.2a software. The map data was derived from the ESRI State Plane North Dakota South NAD 27 projection. The map data was derived from the ESRI State Plane North Dakota South NAD 27 projection. The map data was derived from the ESRI State Plane North Dakota South NAD 27 projection.



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 Cedar Hills South Unit 3D project 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.

Executed this 6th day of June 2022.

Bruce A. Fulker

Bruce A. Fulker

STATE OF ARKANSAS

COUNTY OF WASHINGTON

The foregoing instrument was acknowledged signed and subscribed before me this 6th day of June 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.

Bryan Baumgartner
Notary Public
Washington County, Arkansas
Commission No. 12699477
Commission Expires November 23, 2026

Bryan Baumgartner
Name: Bryan Baumgartner
Notary Public
State of Arkansas
My commission expires: 11.23.2026



June 17, 2022

The Honorable Mindy Schumacher
County Auditor
104 1st St. NW
Suite #1
Bowman, ND 58623-4342

RE: Geophysical Exploration
Permit # 97-0310

Dear Ms. Schumacher,;

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 June 17, 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.

Sincerely,

A handwritten signature in blue ink, appearing to read "Todd L. Holweger".

Todd L. Holweger
Permit Manager



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

RECEIVED
 JUN - 8 2022
 N.D. INDUSTRIAL COMMISSION

FORM GE 1
 FILING AUTHORIZATION

COMPANY NAME: Paragon Geophysical 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

<u>Authorized Individuals</u>	<u>Phone Number</u>	<u>E-Mail Address</u>
Bruce Fulker	713.806.2024	bfulker@cougarlandservices.net

Company Authorized Signaturc: Rd Bateman Date: September 28, 2021

Printed Name: Aaron Bateman Title: President

Phone: (316) 636-5552 Email Address: abateman@paragongeo.com

Witness Signature: Royce Hammer Date: 9/28/2021

Witness Printed Name: Royce Hammer