



# 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

APRIL 20, 2011

The Honorable Frances Olson McKenzie County Auditor P.O. Box 543 Watford City, ND 58854-0543

RE: Geophysical Exploration Permit #97-0204

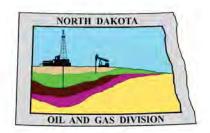
## Dear Frances Olson:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that DAWSON GEOPHYSICAL COMPANY was issued the above captioned permit on APRIL 20, 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 DMR Permit Manager



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APRIL 20, 2011

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

RE: BUFFALO WALLOW 3-D

GEOPHYSICAL EXPLORATION PERMIT # 97-0204

MCKENZIE 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 APRIL 20, 2011. PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION) non-explosive exploration methods may not be conducted not less than 300 feet from a water well, building, underground cistern, pipelines, or flowing springs. Review the following conditions for your permit:

- 1. A pre-program meeting with state seismic inspector Tom Torstenson may be required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations. <u>Also, a copy of the entire permit is required for all contractors at the pre-program meeting.</u>
- 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: <u>ttorstenson@nd.gov</u> 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: <a href="https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp">https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp</a>

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

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DMR Permit Manager



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

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DAWSON GEOPHY	SICAL CO	Address W. U	Ja11 St.,	Ste 800	Midfand	Tx 79710	
Contact ZANE ZITSCHK		432-681-3000			Fax 432-684-3030		
Surety Company	1	Bond Amount 6 50, 000 =			Bond Number		
U.S. Specialty INS	, Co.					05272	
2) a. Subcontractor(s) /	Address				Telephone		
b. Subcontractor(s)	Address				Telephone		
3) Party Manager ZANE ZIRSC#/	КУ	Address (local) HavanNA 3D # 13511			Telephone (local	23-0440	
4) Project Name or Line Numbers Buffalo Wallow	~ ~ ~	# 13511		Centena	vial, co		
5) Exploration Method (Shot Hole,		, 2D, 3D, Other)					
6) Distance Restrictions (Must che						ALCO TO THE	
300 feet - NonExplosive - Di	stance setback	s apply to water wells	s, buildings, under	ground cisterns,	pipelines, and flov	ving springs.	
660 feet - Shot Hole - Distar	ice setbacks ap	oply to water wells, bu	uildings, undergrou	ınd cisterns, pipe	elines, and flowing	springs.	
7) Size of Hole Amt	of Charge	Depth	Source point	s per sq. mi.	No. of sq. mi.		
3-D NA	VA	NA		75 APP.	250 AD	p.	
	of Charge	Depth NA	Source point	ts per In. mi. NA	No. of In. mi.		
9) Approximate Start Date	THE PARTY			mate Completion	Date 15	11	
	12-11			ctober	7		
THE COMMISSION MUST I	BE NOTIFIED	AT LEAST 24 HOU	RS IN ADVANC	E OF COMMEN	CEMENT OF GE	OPHYSICAL OPERATIONS	
9) Location of Proposed Project - (	County M	CV.	1.114				
	11	CKenzie	COUNTY	1		1=	
Please see	Section	Section		1.		R.	
Attached Sheets	Section	Section		T.		R.	
Section(s),	Section			T.		R.	
Township(s) & Range(s)	Section			т.		R.	
	Section			T.		R.	
	Section	Section		Т.		R.	
	14 4			H-			
hereby swear or affirm that the in	formation provide	ded is true, complete	and correct as de	termined from all	available records	Date 4-18-11 4 Agent	
Signature .	1	Printed Name		Titl	e n -	, , ,	
the sho	+	DALE S	SCHMID		Permit	Agent	
Email Address(es)	- school	id @ gr		1		/	
PETMIC	SCHIMI	a c gr	MITTE		200	TOWN / I THE	
					Permit C	onditions	
(This s	pace for State	office use)		* Descrip	فتعاد سند فستان باد	-1	
Permit No. 970204	11	Approval Date	(1)	with fie	eld inspector and l	at pre-program meeting be aware of all NDIC Rules tance restrictions).	
Approved by	1/1	11	1		- Sections (100 ACC)		
Fitle UM &	TO V		70377	* See at	tached letter.		
Tille Recource	s Permit M	and the second	1	1 1 1 1			

### GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1 SFN 51459

- 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.
- 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

P. 1072 McKenzie Co. Buffalo Wallow 3D DAWSON Geophysical Sec's 19,20,21,22,23,26,27,28,29, T 15/N R 98W 30,31,32,33,34,35. Sec's 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17 T150N 18,19,20,21,22,27,28,29,30,31,32 33 + 34 R98W Sec's 3, 4, 5, 6, 7, 18, 19, 30, 31 T149 N R98W T151N Sec's 21, 22, 23, 24, 25, 26, 27, 28 29,30,31,32,33,34,35 + 36 R99W TISON ALL 36 Sections R99W T149N R99W ALL 36 Sections

T148N Secs Sec 2, ALL of Sec's 3, 4 R99W 5+6

McKenzie Co. Buffalo WAllow 30 DAWSON Geophy sical T148N Sec's 1,2,3,4,5+6 RIOOW T148N Sec's 1,2 + Sec 3 RIOIW T149N ALL 36 Sections R100 W TISON ALL 36 Sections R 100W T151N Sec's 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 + 36 R100W ALL 36 Sections T149N RIOIW T150N Sections 31, 32, 33, 34, 35 + 36 2101W T149N Sections Sec1, Sections 12, 13, 24 RIOZW Sections 25 + 36

Prepared by DALE Schmid

