

Oil and Gas Division

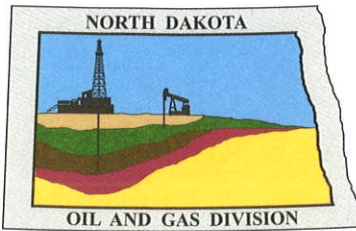
Lynn D. Helms - Director Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.oilgas.nd.gov



FEBRUARY 16, 2012

MR. MAX GAFFNEY
FIELD SERVICE MANAGER
SCHLUMBERGER TECHNOLOGY CORP.
300 SCHLUMBERGER DRIVE
SUGAR LAND, TX 77478

RE: GO-BIWER VSP
GEOPHYSICAL EXPLORATION PERMIT # 97-0222
WILLIAMS COUNTY
NON EXPLOSIVE METHOD

Dear Mr. Gaffney:

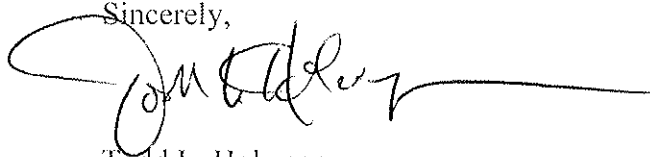
Please be advised that we are in receipt of your Geophysical Exploration permit application and it is conditionally approved; effective for one year from FEBRUARY 16, 2012. **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION) non-explosive exploration method may not be conducted not less than 300 feet from a water well, building, underground cistern, pipelines, and flowing spring.** 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. SD card or email: ttorstenson@nd.gov 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: <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,

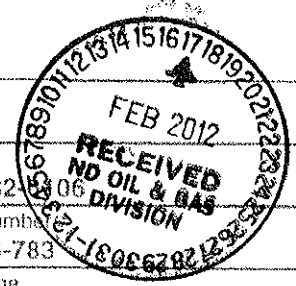
A handwritten signature in black ink, appearing to read "Todd L. Holweger", with a long horizontal flourish extending to the right.

Todd L. Holweger
DMR 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 Schlumberger Technology Corp		Address 300 Schlumberger Dr., Sugar Land, TX 77478			
Contact Mary Olsen		Telephone 318-682-7635	Fax 318-682-7635		
Surety Company Liberty Mutual Insurance		Bond Amount \$25,000.00	Bond Number 16-036-783		
2) a. Subcontractor(s)		Address		Telephone	
b. Subcontractor(s)		Address		Telephone	
3) Party Manager Max Gaffney		Address (local) 4996 140th Ave NW, Williston, ND 58801		Telephone (local) 1-701-572-8345	
4) Project Name or Line Numbers GO BIWER (#157-98-3526H-1) VSP					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) Vibroseis/VSP - 2 vibrator					
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 N/A	N/A	N/A	N/A	N/A	
Size of Hole	Amt of Charge	Depth	Source points per lin. mi.	No. of lin. mi.	
2-D			2 IN LINE		
3) Approximate Start Date February 20, 2012			Approximate Completion Date February 20, 2012		

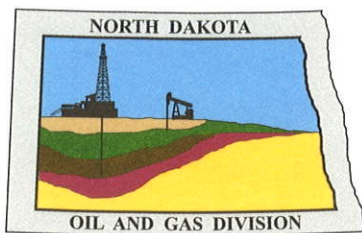
THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF GEOPHYSICAL OPERATIONS

3) Location of Proposed Project - County Williams					
Section(s), Township(s) & Range(s)	Section	T.	R.		
	26	157	98		
	Section	T.	R.		
	290' FNL 2358' FEL				
	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 **2-16-12**

Signature 	Printed Name MAX GAFFNEY	Title Field Service Manager
Email Address(es) M.GAFFNEY@SLB.COM	701.572.8345	

(This space for State office use)		<p align="center">Permit Conditions</p> <p>* Permit in hand required at pre-program meeting with field inspector and be aware of all NDIC Rules and Regulations (i.e. distance restrictions).</p> <p>* See attached letter.</p>
Permit No. 97-0222	Approval Date 2/17/2012	
Approved by 	Title Permit Administrator	



Oil and Gas Division

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FEBRUARY 17, 2012

The Honorable Beth Innis
Williams County Auditor
P.O. Box 2047
Williston, ND 58802-2047

RE: Geophysical Exploration
 Permit #97-0222

Dear Ms. Innis:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that SCHLUMBERGER TECHNOLOGY CORP. was issued the above captioned permit on FEBRUARY 17, 2012 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>

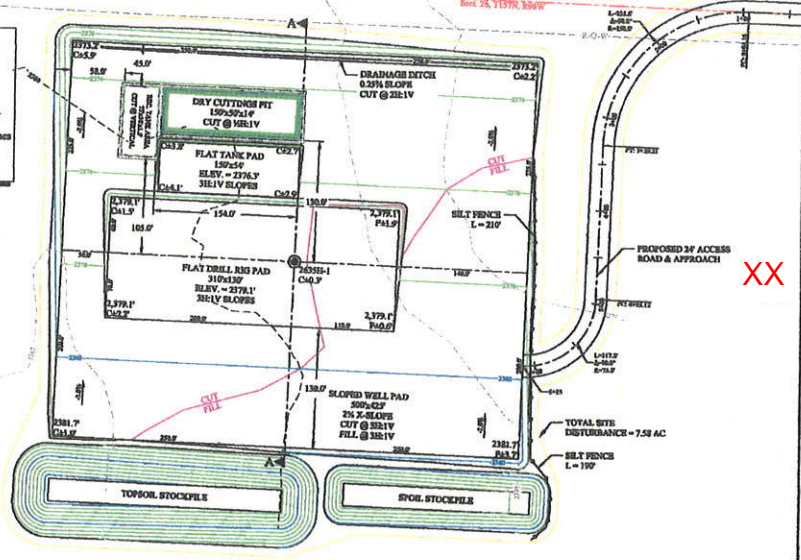
Should you have any questions, please contact our office.

Sincerely,

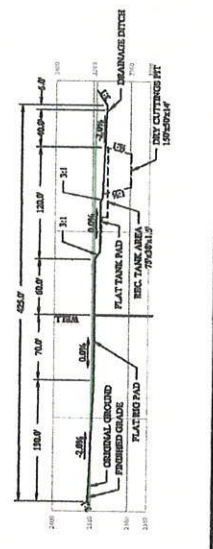
Todd L. Holweger
DMR Permit Manager

Rig: Nabors 460

Construction Notes:
 1.) A 3' wide x 2' high earth berm shall be placed around the perimeter of dry cuttings pit and recessed tank area.
 2.) Refer to details on sheet 1 of 2 for typ. loose access road dim.'s and x-sections.
 3.) Where applicable, place diversion ditches at the top of all well pad cut slopes to divert storm water run-off away from well pad surface.



PLAN VIEW:
 SCALE: 1" = 80'



Section A-A:
 Horiz. Scale: 1" = 80'
 Vert. Scale: 1" = 40'

Legend Original Ground: --- 2'-Major Contours: --- 10'-Major Contours: --- Finished Ground: --- 2'-Major Contours: --- 10'-Major Contours: --- Final Site Description: ---		Prop. Roads Existing Roads: --- Silt Fence: --- Ditch: --- Culvert: --- Earth Berm: ---		Prepared By: Client: Wood Group P&N - Northern Business Unit 20 1st Street SW - Suite #1, Minot, ND 58701 (701) 837-3841 www.woodgroup.com HESS CORPORATION 2530 North Broadway Minot, North Dakota 58701 (701) 428-6900		Design: DS Checked: DLM Cont. Eng.: --- Approved: BTR Date: 06/25/2011 Scale: As Shown Project No.: 741606 Task No.: Engineering_WY Sheet: 2 of 2 Rev.: 0	
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Exhibit "A"
SURVEY MAP

Attached to and made a part of that certain VSP Vibroseis Survey Permit between _____ as GRANTOR and HESS Corporation as GRANTEE dated effective as of _____, 2011

Note: Proposed VSP Location (where Vibrator truck will shake) is indicated by the red X on both maps and is located approximately 150 to 200 feet east of the access road.

