



**SEISMIC COMPLETION REPORT**  
 INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51456 (12-2002)



Permit No.	
Shot Hole Operations	*Non-Explosive Operations

**SECTION 1**

Geophysical Contractor Luff Exploration Company	
Project Name and Number 2-D Bock-White NDF #970087	County(s) Bowman County, North Dakota
Township(s) T129N	Range(s) R102W
Drilling and Plugging Contractors N/A	
Date Commenced November 12, 2003	Date Completed November 16, 2003

**SECTION 2**

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

**SECTION 3**

Flowing Holes and/or Blowouts S.P.#'s
Procedure for Plugging Flowing Holes and/or Blowouts
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.

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

STATE OF ~~NORTH DAKOTA~~ COLORADO )  
 )  
COUNTY OF DENVER )



Before me, Clayton F. Chessman, a Notary Public in and for the said

County and State, this day personally appeared Daniel J. O'Shaughnessy

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

Luff Exploration Company, that (s)he has read North Dakota

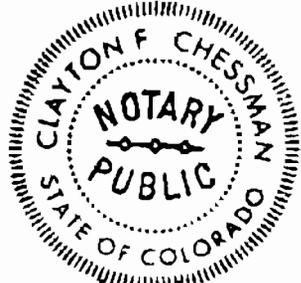
Century Code Section 38-08.1, that the foregoing seismic project has been completed in

accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on

the reverse side of this document are true.

*Daniel J. O'Shaughnessy*  
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 1st day of October, 2004.



Notary Public

*Clayton Chessman*

My Commission Expires 5/24/08

# LUFF

EXPLORATION Co.



October 1, 2004

Mr David C. Hvinden  
North Dakota Industrial Commission  
Oil and Gas Division  
600 E. Boulevard Avenue  
Department 405  
Bismarck, North Dakota 58505-0840

Re: NDF #970087  
Bock White 2-D Seismic Survey  
Bowman County, North Dakota

Dear Mr. Hvinden:

Per your request, I have enclosed a Seismic Completion Report for the referenced seismic survey. Thank you for your assistance in this matter.

Sincerely,

**Luff Exploration Company**

Dan O'Shaughnessy  
Land Manager

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms  
DIRECTOR

[www.oilgas.nd.gov](http://www.oilgas.nd.gov)

Bruce E. Hicks  
ASSISTANT DIRECTOR

September 28, 2004

Mr. Dan O'Shaughnessy  
Luff Exploration Company  
1580 Lincoln Street, Suite 950  
Denver, CO 80203

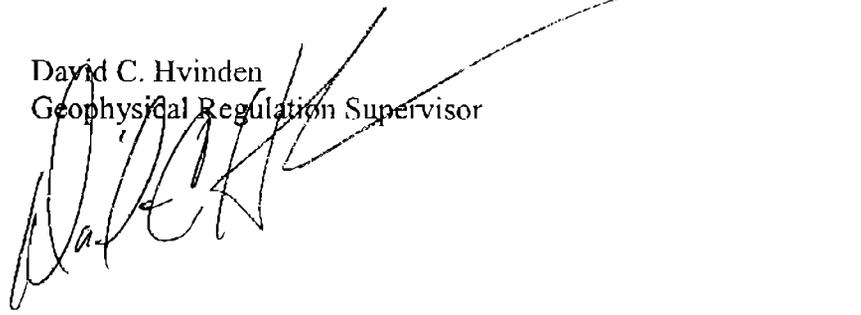
RE: NDF # 970087 Bock-White 2-D  
Bowman County, North Dakota

Dear Mr. O'Shaughnessy:

Please be advised that we have not yet received a Seismic Completion report for the above captioned. Please complete the enclosed report, sign, notarize, and return it to us at your earliest possible convenience.

Should you have any questions regarding this matter, feel free to contact me at 701-328-8037. Thanks.

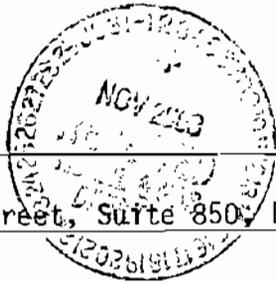
David C. Hvinden  
Geophysical Regulation Supervisor





**GEOPHYSICAL EXPLORATION PERMIT**  
 INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 SFN 51459 (11-97)

600 E BOULEVARD AVE  
 BISMARCK, ND 58505



1) a. Company: Luff Exploration Company		Address: 1580 Lincoln Street, Suite 850, Denver, CO 80203	
Contact: Dan O'Shaughnessy		Telephone: (303) 861-2468	Fax: (303) 861-2481
Surety Company: Fidelity and Deposit Company of MD		Bond Amount: \$25,000	Bond Number: LPM8720506
2) a. Subcontractor(s):		Address:	Telephone:
b. Subcontractor(s):		Address:	Telephone:
c. Subcontractor(s):		Address:	Telephone:
3) Party Manager:		Address:	Telephone:
4) Project Name or Line Numbers: Bock-White			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D): Non-explosive, 2D			
6) Approximate Drilling Start Date: N/A		Approximate Completion Date: November, 2003	

**THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS**

7) Location of Proposed Project - County Bowman								
Section(s), Township(s) & Range(s)	Sec. 33	T 129N	R 102W					
	Sec. 35	T 129N	R 102W					
	Sec. 36	T 129N	R 102W					
	Sec.	T	R					
B) Size of Hole N/A	Amt. of Charge	Depth	Shots per Mi. (sq. mi.)	No. of Mi. (sq. mi.)	Identifying Marks Used on Nonmetallic Plug Geophysical ID   a. Plugger ID   b. Plugger ID   c. Plugger ID			

8) Anticipated special drilling and plugging procedures?  
 10) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.  
 See Attached

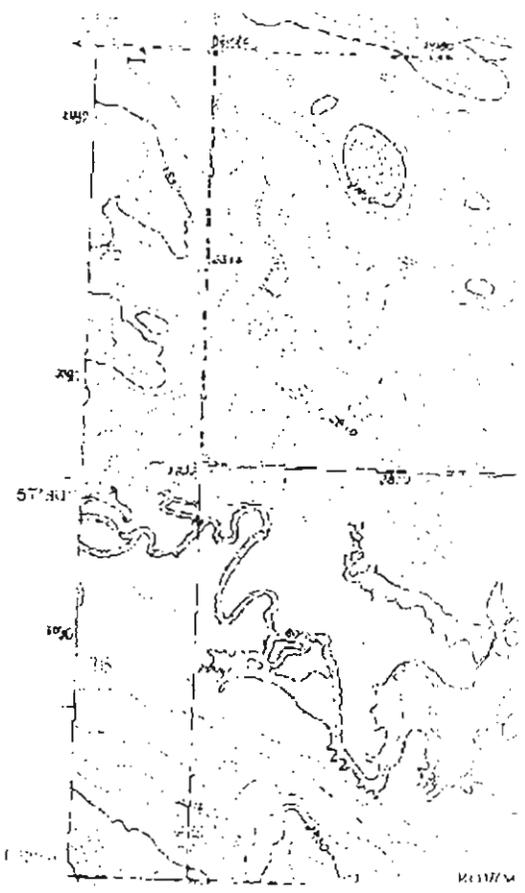
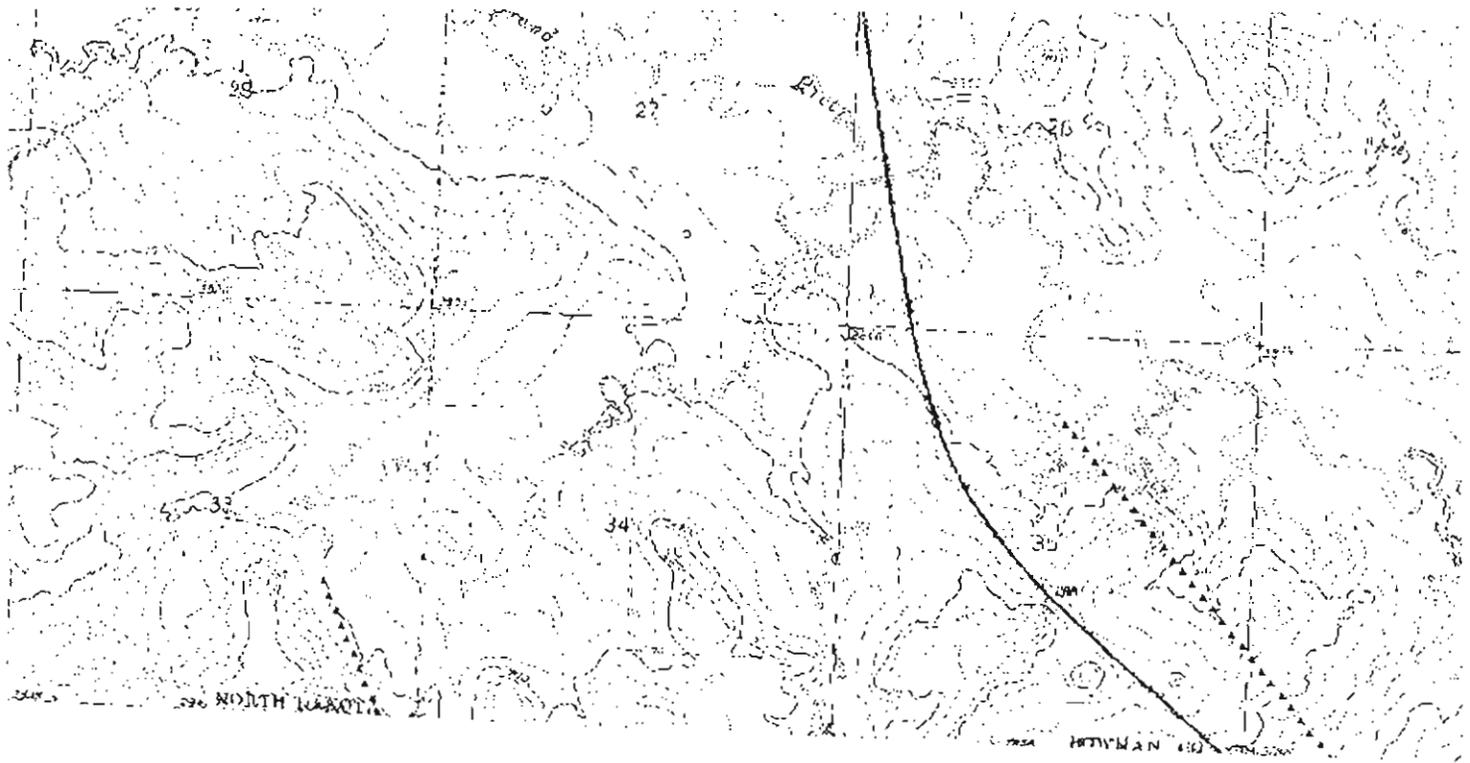
Signed: <i>Daniel O'Shaughnessy</i>	Title: Land Manager	Date: 10/28/03
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(This space for State office use)		Conditions of Approval if any: <i>Notify county, surface owners, and state field representative Tom Toultson c 701-227-7436 or 290-1546 prior to any operations.</i>
Permit No.: 970087	Approval Date: 11/3/03	
Approved By: <i>White</i>		
Title: <i>Geophysical Regulatory Supervisor</i>		
County Approval Sent: <i>Bowman 11/3/03</i>		

\*See Instructions On Reverse Side

*White 11/3/03*

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NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Lynn D. Helms  
DIRECTOR

[www.oilgas.nd.gov](http://www.oilgas.nd.gov)

Bruce E. Hicks  
ASSISTANT DIRECTOR

November 3, 2003

Dan O'Shaughnessy  
Luff Exploration Company  
1580 Lincoln St Ste 850  
Denver CO 80203

**RE: GEOPHYSICAL EXPLORATION PERMIT NO. 970087  
BOCK-WHITE  
BOWMAN COUNTY, NORTH DAKOTA**

Dear Mr. O'Shaughnessy:

This letter will verify the approval of the above-captioned Geophysical Permit effective November 3, 2003.

Please feel free to contact Mr. David Hvinden, Geophysical Regulation Supervisor if you should have any questions.

Sincerely,



Marge Rixen  
Legal Assistant

/mr

Enc.

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms  
DIRECTOR

www.oilgas.nd.gov

Bruce E. Hicks  
ASSISTANT DIRECTOR

November 3, 2003

The Honorable Rory Teigen  
Bowman County Sheriff  
P.O. Box 439  
Bowman, ND 58623

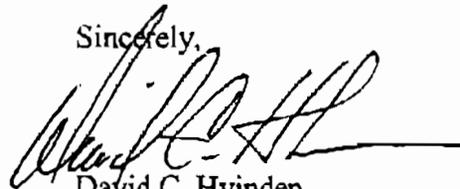
RE: Geophysical Exploration  
Permit # 97-0087

Dear Sheriff Teigen:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Luff Exploration Company was issued the above captioned permit on November 3, 2003 and will remain in effect for a period of one year.

Should you have any questions, please contact our office.

Sincerely,



David C. Hvinden  
Geophysical Regulation Supervisor

DCH/dh