

PERMIT NO.: 920075

SHOT HOLE OPERATIONS: \_\_\_\_\_ \*NON-EXPLOSIVE OPERATIONS: 129254/brator

**SECTION 1**

GEOPHYSICAL CONTRACTOR: Grant Geophysical

PROJECT NAME AND NUMBER: HAS 2-0 COUNTY(S): BOTTINEAU

TOWNSHIP(S): 163 N RANGE(S): B2 + B3 W

PERMITTED BY: Steve Boyle

DATE COMMENCED: Oct 4, 2002 DATE COMPLETED: Oct 4, 2002

**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  
 S.P.#'s

PROCEDURE FOR PLUGGING FLOWING HOLES:

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 )  
 )  
COUNTY OF Williams )



Before me, \_\_\_\_\_, a Notary Public in and for the said County and State, this day personally appeared Rekie A. Scheetz who being first duly sworn, deposes and says that (s)he is employed by Geant Geophysical, 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.

[Signature]  
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 7th day of February, 2003.

DONNA A. POPP  
Notary Public  
State of North Dakota  
My Commission Expires Dec. 10, 2008

Notary Public Donna A. Popp

My Commission Expires Dec. 10, 2008

NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Lynn D. Helms  
DIRECTOR

<http://explorer.ndic.state.nd.us>

Bruce E. Hicks  
ASSISTANT DIRECTOR

January 21, 2003

Mr. Rick Scheetz  
Grant Geophysical  
P.O. Box 219950  
Houston, TX 77218-9950

RE: Seismic Completion Report  
# 970075 – Haas 2D

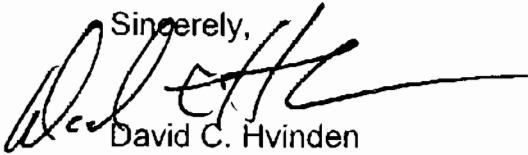
Dear Mr. Scheetz:

Please be advised that we have not received a Seismic Completion Report for the above captioned program. We have enclosed for your convenience, a blank copy of this form.

Pursuant to section 43-02-12-06 NDAC, geophysical contractors are required to submit this report and a post-plot map displaying the location of the source points and receiver points within 30 days of completion of operations.

Should you have any questions regarding this matter, feel free to call me at your earliest convenience.

Sincerely,



David C. Hvinden  
Geophysical Regulation Supervisor

copy

Att: Dave Hvinden  
Oil and Gas Comm.

From: Stephen Boyle/Solid State Geophysical  
(701) 852-3411 Room 111  
Fax (701) 852-4350  
Cell (801) 540-2192



Re: 2-D seismic program

Dave,

I was unable to download a seismic permit form off the internet for the little 3 ½ mile 2-D vibrator line we want to do in Bottineau Co. I did however, find this old one from another job and rewrote it for this job, I hope that ok. I've also included a copy of the map and a form with the bond number which is on file with the state. A check for the \$100 permit fee is being FED-Xcd to you from Denver. I'm at the Select Inn room 111 in Minot till Wed the number is (701) 852-3411, after Wed you can reach me on my Cell at (801) 540-2192. If you have any questions please call.

Thanks for Your Help

A handwritten signature in black ink, appearing to be 'Stephen Boyle'.

Stephen Boyle



**GEOPHYSICAL EXPLORATION PERMIT**  
INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
SFN 61453 (11-97)

800 E EDULEVARD AVE  
BISMARCK, ND 58505

1. a. Company: <i>Grant Geophysical</i>	Address: <i>P.O. Box 219930 Houston Tx 77219-9980</i>	
Contact: <i>Rick Scheetz</i>	Telephone: <i>(406) 390-2284</i>	Fax: <i>(406) 255-4697</i>
Surety Company: <i>RLI Ins. Co.</i>	Bond Amount: <i>50,000</i>	Bond Number: <i>RLB0002817</i>
2) a. Subcontractor(s): <i>N/A</i>	Address:	Telephone:
b. Subcontractor(s): <i>N/A</i>	Address:	Telephone:
c. Subcontractor(s): <i>N/A</i>	Address:	Telephone:
3) Party Manager: <i>Rick Scheetz</i>	Address:	Telephone: <i>(406) 390-2284</i>
4) Project Name or Line Numbers: <i>HAAS 2-D</i>		
5) Exploration Method (Shot Hole, <u>Non-Explosive</u> , 2D, 3D): <i>2-D Vibrator</i>		
Approximate <u>Drilling</u> Start Date: <i>10-8-02</i>	Approximate Completion Date: <i>10-9-02</i>	

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

7) Location of Proposed Project - County  
*Bottineau Co.*

Section(s), Township(s) & Range(s) <i>7163 N-12 R 83W</i>	Sec. <i>22, 23, 24</i>	T <i>163N</i>	R <i>83W</i>
	Sec.	T	R
<i>7163N - R 82W</i>	Sec. <i>19</i>	T <i>163N</i>	R <i>82W</i>
	Sec.	T	R

8) Size of Hole	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
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>					

9) Anticipated special drilling and plugging procedures?  
*N/A*

10) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.

Signed <i>Stephen Boyle</i>	Title: <i>Contract Permit Agent</i>	Date: <i>9-28-02</i>
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(This space for State office use)

Form No. <i>970075</i>	Approval Date: <i>10/2/02</i>	Conditions of Approval if any: <i>NOTIFY COUNTY LANDOWNERS &amp; STATE FIELD REP TOM TORRISON @ 701-227-7436 PRIOR TO</i>
Approved By: <i>David E. H...</i>	<i>Geophysical Regulation Dept.</i>	

FORM NO. 26 REVISED BY NUMBER  
MANY OFFICE SUPPLIES ARE AVAILABLE

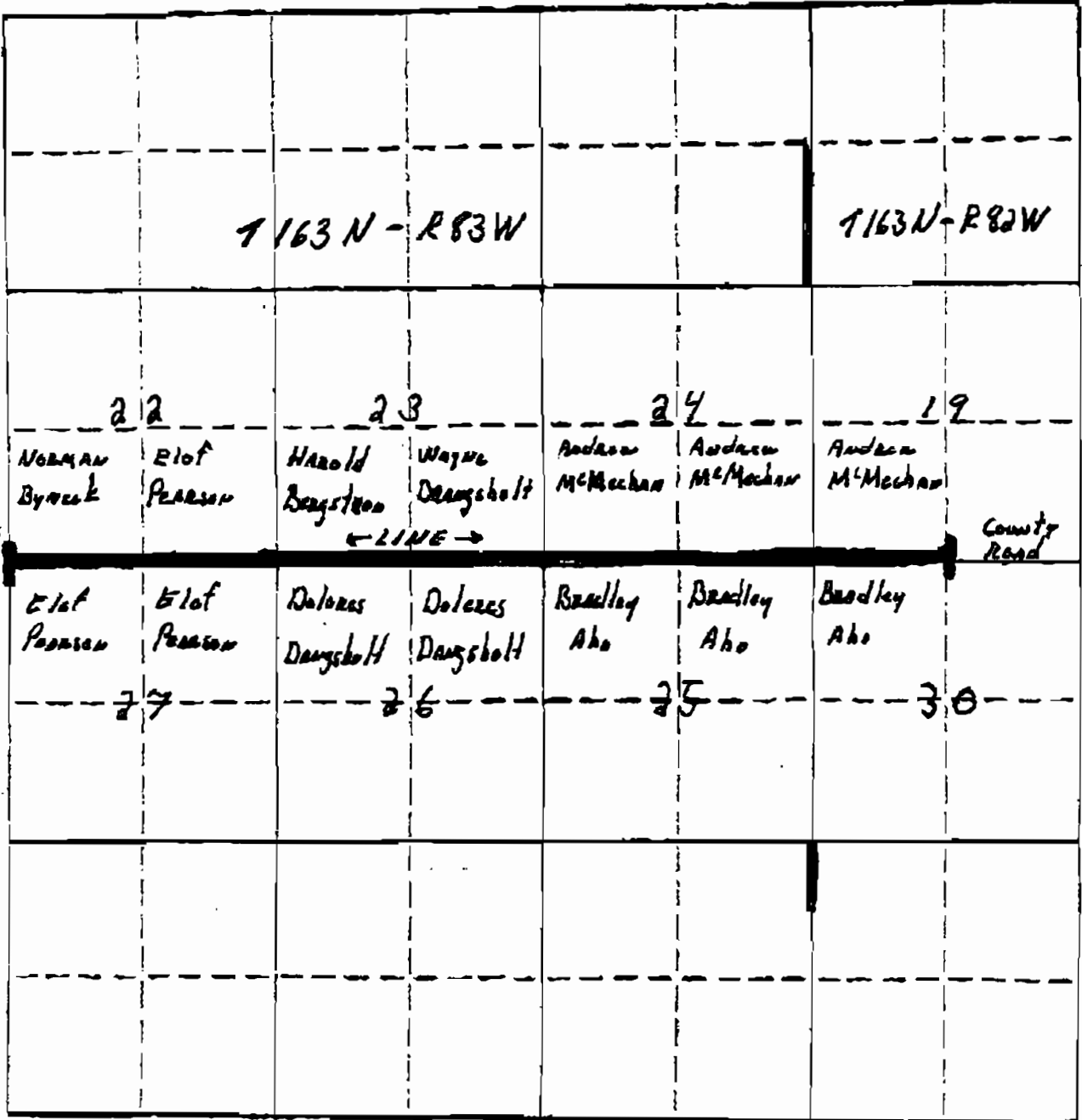
# HAAS PROGRAM

## SECTION PLAT

2002-ZARGON / Solid State Geophysics I

2-D  
Bottineau County, State of North Dakota

Section 22, 23, 24, 19 Township 163 Range 83, 82  
NORTH



Power Lines  
North Side

County  
Road

North Side Road (701)  
 Norman Byweck 267-3380  
 Elot Pearson 267-3357  
 Harold Bengtson 267-3309  
 Wayne Daugscholt 786-6213  
 Anderson McMechan 267-3356  
 (204) 149.3308

South Side Road (901)  
 Bradley Aho 267-3605  
 Dolores Daugscholt 267-3358  
 Elot Pearson 267-3357

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms  
DIRECTOR

<http://explorer.ndic.state.nd.us>

Bruce E. Hicks  
ASSISTANT DIRECTOR

October 2, 2002

Rick Sheetz  
Grant Geophysical Corp.  
PO Box 219950  
Houston TX 77218-9950

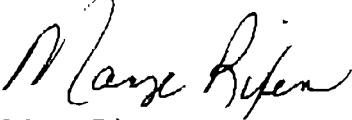
RE: GEOPHYSICAL EXPLORATION PERMIT NO. 97-0075  
HAAS 2-D, BOTTINEAU CO.

Dear Mr. Rollins:

This letter will verify the approval of the above-captioned Geophysical Permits effective October 2, 2002.

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

Sincerely,



Marge Rixen  
Legal Assistant

/mr



NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms  
DIRECTOR

<http://explorer.ndic.state.nd.us>

Bruce E. Hicks  
ASSISTANT DIRECTOR

October 2, 2002

The Honorable Mae Streich  
Bottineau County Auditor  
314 W. 5<sup>th</sup> St.  
Bottineau, ND 58318

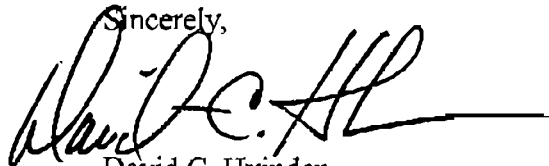
RE: Geophysical Exploration  
Permit # 97-0075

Dear Ms. Streich:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Grant Geophysical was issued the above captioned permit on October 2, 2002 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