

PERMIT NO.: 4700082

SHOT HOLE OPERATIONS: \_\_\_\_\_

\*NON-EXPLOSIVE OPERATIONS: Vibrator 3-D

**SECTION 1**

GEOPHYSICAL CONTRACTOR: Grant Geophysical Corp

PROJECT NAME AND NUMBER: Haas Madison 3-D COUNTY(S): BOTTINEAU

TOWNSHIP(S): 143N RANGE(S): B3W

PERMITTED BY: Steve Sykes

DATE COMMENCED: 5-28-03 DATE COMPLETED: 6-01-03

**SECTION 2**

FIRST S.P. #: \_\_\_\_\_ LAST S.P. #: \_\_\_\_\_

LOADED HOLES (UNDETONATED SHOT POINTS)

S.P. #:																			
CHARGE SIZE:																			
DEPTH:																			

REASONS HOLES WERE NOT SHOT:

**SECTION 3**

FLOWING HOLES  
 S.P. #:

PROCEDURE FOR PLUGGING FLOWING HOLE:

Include a 7.5 minute USGS topographic quadrangle 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 Affidavit.

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

Montana  
STATE OF NORTH DAKOTA )

COUNTY OF Rockland )



Before me, L. K. Mann, a Notary Public in and for the said County and State, this day personally appeared Rickie A. Schertz who being first duly sworn, deposes and says that (s)he is employed by BRANT GEOPHYSICAL CORP., 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 27 day of October 2003

Notary Public L. K. Mann

My Commission Expires 1-24-2006



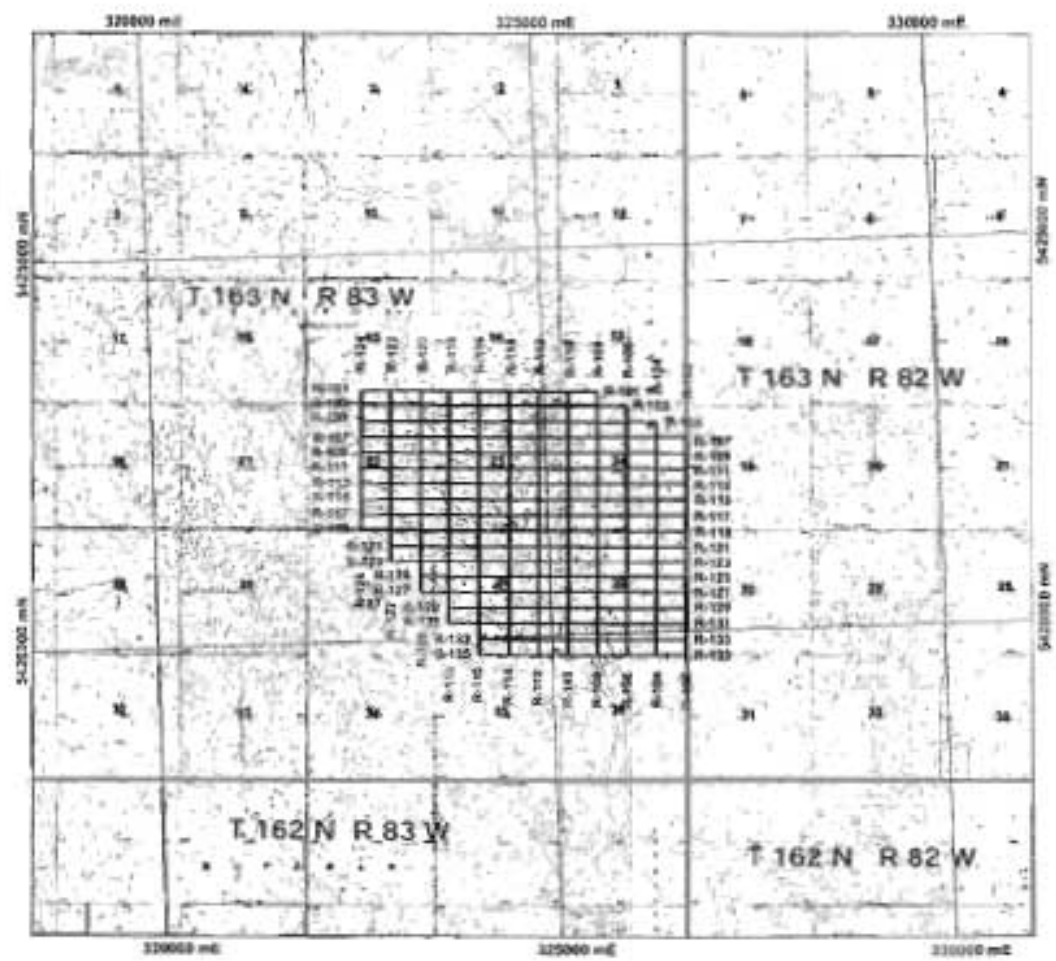
# GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 600 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51459 (03-2003)

1) a. Company <i>Geo State Geophysical</i> <del>Geo State Geophysical</del>		Address <i>7309 Flint Rd SE, ALBANY, AL 31706-163</i>	
Contact <i>Trent Middleton</i>	Telephone <i>403 255 9388</i>	Fax	
Surety Company <i>RLI Insurance Co</i>	Bond Amount <i>50,000</i>	Bond Number <i>RLB0002817</i>	
2) a. Subcontractor(s)		Address	
b. Subcontractor(s)		Address	
c. Subcontractor(s)		Address	
3) Party Manager <i>Rich Sweetz</i>		Address <i>426 6<sup>th</sup> St SE, Sidney, MT</i>	
4) Project Name or Line Numbers <i>(HAAS Madison Unit 3-D)</i>		Telephone <i>281-620-7041</i>	
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D) <i>VIBRO SIZZ</i>			
6) Approximate Drilling Start Date <i>MID-LATE MAY 2003</i>		Approximate Completion Date <i>JUNE 1, 2003</i>	

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

7) Location of Proposed Project - County <i>BOTTINEAU Co, ND</i>								
Section(s), Township(s) & Range(s) <i>22, 23, 24, 25 &amp; 26 of T163 N, R B3 W</i>				Sec.	T.	R.		
				Sec.	T.	R.		
				Sec.	T.	R.		
				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			
				<i>4.8</i>	Geophysical ID	a. Plugger ID	b. Plugger ID	c. Plugger ID
9) Anticipated special drilling and plugging procedures?								
10) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.								
Signed <i>[Signature]</i>				Title <i>PERMIT AGENT</i>		Date <i>5-9-03</i>		
(This space for State office use)					Conditions of Approval if any			
Permit No. <i>97-0087</i>				Approval Date <i>5/12/03</i>		<i>Notify the county landowners and state field rep Tom Toussaint @ 701-227-5436 prior to operations.</i> <i>[Signature]</i> <i>5/12/03</i>		
Approved by <i>[Signature]</i>				Title <i>Geophysical Regulation Supervisor</i>				
County Approval Ser: <i>Bottineau 5/12/03</i>								



## PREPLANNING MAP

### HAAS 3D

LICENSEE: ZARGON OIL & GAS LTD. LICENSE NO: 754  
 CONTRACTOR: EDYD OLYMPIA/NOV CONSULTANTS LICENSE NO: 754

**PROGRAM INFORMATION**

**SOURCE**  
 TOTAL SOURCE: 21.4 M (82.7 AC)

**RECEIVER**  
 TOTAL RECEIVER: 21.4 M (82.7 AC)

EQUIPMENT: Mixed  
 ENERGY SOURCE: Oil/Gas

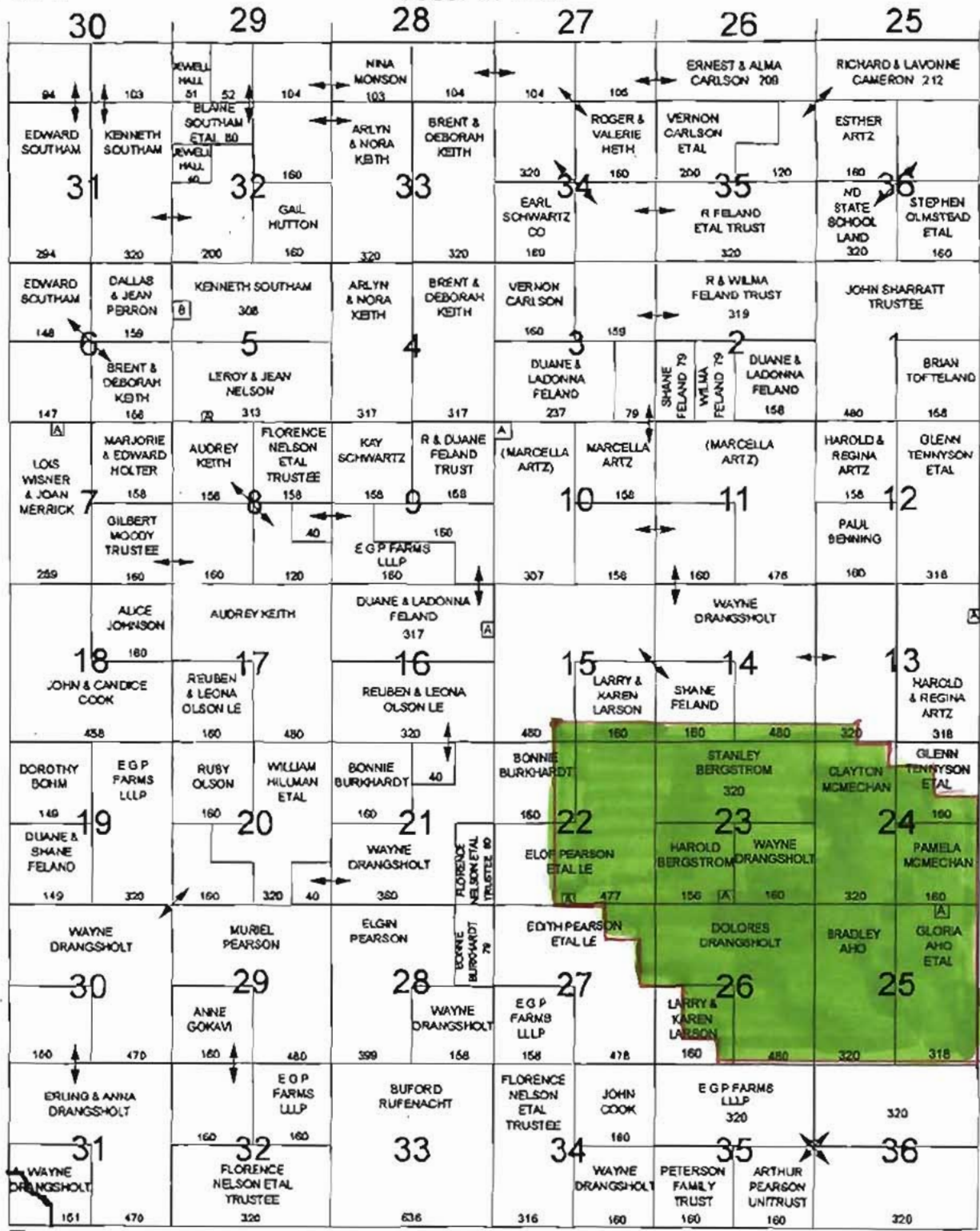


	CITY: EDMONTON, ALBERTA 4000 101ST AVE. S.W. #100 EDMONTON, ALBERTA T6C 1K4 Phone: (403) 453-2000 Fax: (403) 453-2000	CITY: EDMONTON, ALBERTA 4000 101ST AVE. S.W. #100 EDMONTON, ALBERTA T6C 1K4 Phone: (403) 453-2000 Fax: (403) 453-2000
	DATE: 01/20/05	DATE: 01/20/05
	BY: [Signature]	BY: [Signature]

NOT APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

# WHEATON PLAT

CODE: CF & CG



- 5-A WILLIAM & RAE MCGINTY - 3 ACRES
- 5-B BLAINE & TRUDI SOUTHAM - 10 ACRES
- 7-A JEFFREY & MICHELLE RHODES - 7 ACRES
- 10-A WAYNE ARTZ - 11 ACRES
- 13-A USA FISH & WILDLIFE - 2 ACRES
- 16-A DUANE FELAND - 4 ACRES
- 22-A BLAKE MATRAY - 3 ACRES
- 23-A NORMAN & SARAH BUYNACK - 4 ACRES
- 25-A EUGENE & BEVERLY HAMEL - 2 ACRES

## SMALL TRACT OWNERS

SJS

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms  
DIRECTOR

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

Bruce E. Hicks  
ASSISTANT DIRECTOR

May 12, 2003

Trent Middleton  
Grant Geophysical  
7309 Flint Rd. SE  
Calgary AB T2H 1G3

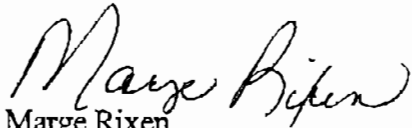
RE: GEOPHYSICAL EXPLORATION PERMIT NO. 97-0082  
HAAS MADISON UNIT 3-D, BOTTINEAU CO.

Dear Mr. Middleton:

This letter will verify the approval of the above-captioned Geophysical Permits effective May 12, 2003.

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

May 12, 2003

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

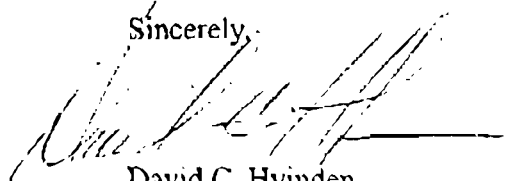
RE: Geophysical Exploration  
Permit # 97-0082

Dear Ms. Strich:

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 May 12, 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