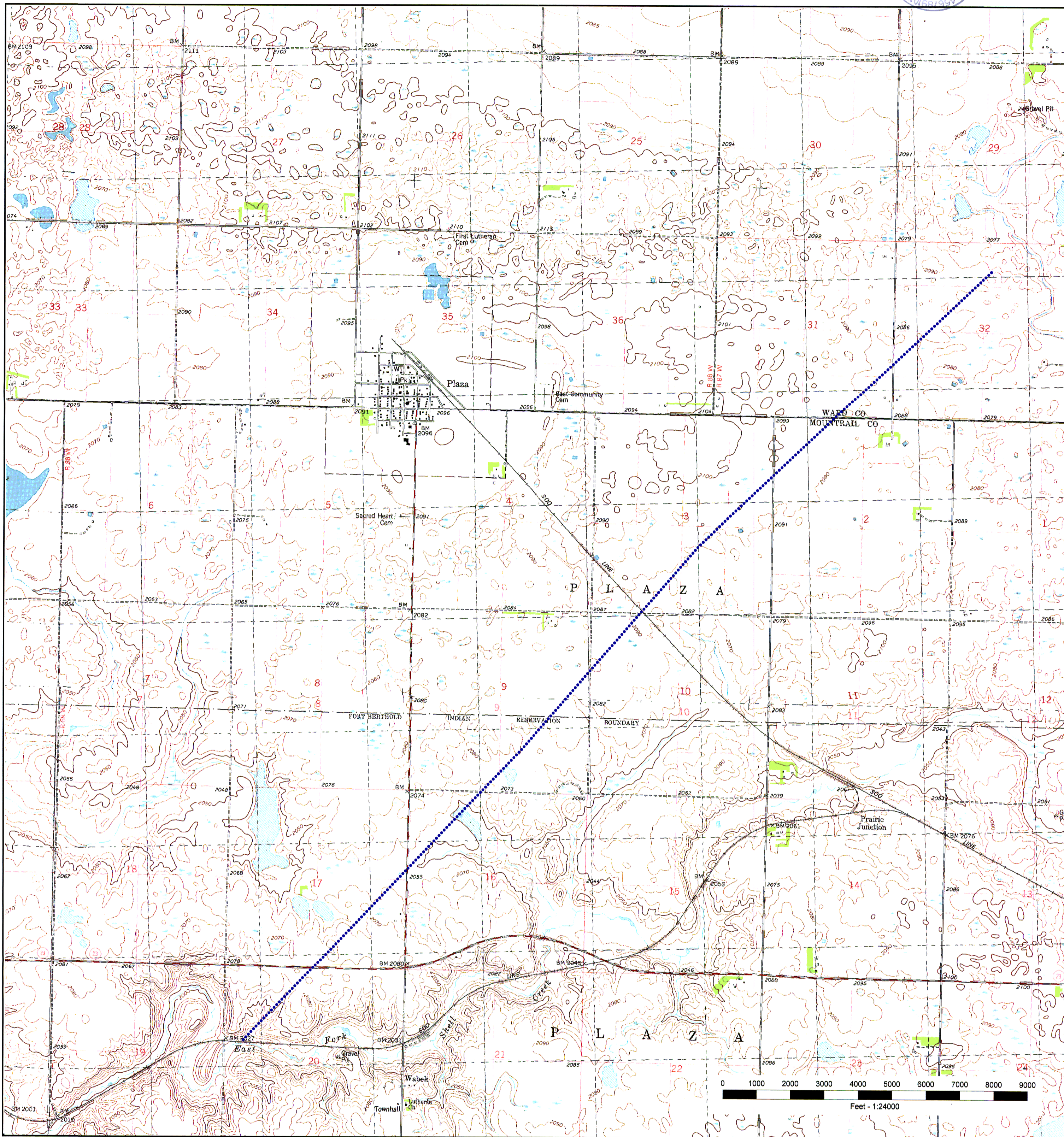


# VECTA EXPLORATION, INC.

970066

## PLAZA 3-C 2-D SEISMIC SURVEY WARD AND MOUNTRAIL COUNTIES NORTH DAKOTA

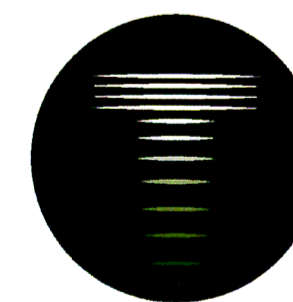


LINE MILES 6.0

### OPTION I

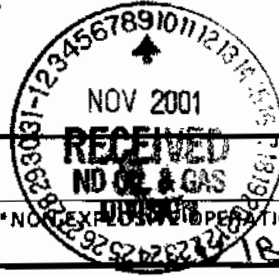
### OPTION II

REC'R STATION INT	110'	SRC STATION INT	220'	SRC STATION INT	220'	TRACES LIVE	180 SPLIT
TOTAL REC'RS	289	TOTAL SRC'S	289	TOTAL SRC'S	145	MAXIMUM OFFSET	9,900'
REC'RS PER MILE	48.0	SRC'S PER MILE	48.0	SRC'S PER MILE	24.0		



**TRACE**  
TRACE ENERGY SERVICES INC.  
UNITED STATES

**TRACE ENERGY SERVICES, INC**  
15133 WEST 32 DRIVE  
GOLDEN, COLORADO  
303-271 1051



PERMIT NO.: **970066**

SHOT HOLE OPERATIONS: \_\_\_\_\_ \*NON-EXPLOSIVE OPERATIONS: **VIBRATOR**

**SECTION 1**

GEOPHYSICAL CONTRACTOR: **TRACE ENERGY SERVICES**

PROJECT NAME AND NUMBER: **VECTA 2D PROSPECT** COUNTY(S): **MOUNTAIN & WARD**

TOWNSHIP(S): **T152N R88W, T153N-R87W** RANGE(S): **20, 17, 16, 9, 10, 3, 2; 31, 32**

DRILLING & PLUGGING CONTRACTORS: \_\_\_\_\_

DATE COMMENCED: **OCT 28/01** DATE COMPLETED: **NOV 2/01**

**SECTION 2**

FIRST S.P. #: **101** LAST S.P. #: **387**

LOADED HOLES (UNDETONATED SHOT POINTS)

S.P. #'s:	<b>N/A</b>												
CHARGE SIZE::	<b>N/A</b>												
DEPTH:	<b>N/A</b>												

REASONS HOLES WERE NOT SHOT:  
**VIBRATOR SOURCE**

**SECTION 3**

FLOWING HOLES AND/OR BLOWOUTS  
 S.P.'s: **N/A**

PROCEDURE FOR PLUGGING FLOWING HOLES: AND/OR BLOWOUTS:  
**N/A**

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.

*Irag Dearsly*



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

600 E BOULEVARD AVE  
 BISMARCK, ND 58505

SEP 2001

*Det on p 6R  
10/2/01*

1) a. Company: <i>Ventures, Expl. Inc. Drill Energy Services</i>		Address: <i>4500 W Albinia Suite 118 Midland, Texas 79703</i>	
Contact: <i>AJ Redmond</i>	Telephone: <i>701-260-1869 ext 901- 915-520-1585</i>	862-3137 ext. 11	Fax: <i>915-520-1586</i>
Surety Company: <i>ST. PAUL FIRE MARINE Underwriters and Community Co.</i>	Bond Amount: <i>75,000 \$50,000</i>	<i>Det on p 6R 10/2/01</i>	Bond Number: <i>JX 8395 1307853</i>
2) a. Subcontractor(s):	Address:	Telephone: <i>on p 6R 10/2/01</i>	
b. Subcontractor(s):	Address:	Telephone:	
c. Subcontractor(s):	Address:	Telephone:	
3) Party Manager:	Address:	Telephone:	
4) Project Name or Line Numbers: <i>Vecta 2-D</i>			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D): <i>seismic 2-D</i>			
6) Approximate Drilling Start Date: <i>OCT 2001</i>		Approximate Completion Date: <i>March 2002</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>Mountain &amp; Ward Co.</i>			
Section(s), Township(s) & Range(s) <i>20, 17, 16, 9, 10, 3, 2 T 152N R 88W 31-32 T 153N R 87W</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.)
<i>N/A</i>			
No. of Mi. (sq. mi.)		Identifying Marks Used on Nonmetallic Plug	
		Geophysical ID	a. Plugger ID b. Plugger ID c. Plugger ID

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>AJ Redmond</i>	Title: <i>Permit Agent</i>	Date: <i>9-27-01</i>
---------------------------	----------------------------	----------------------

(This space for State office use)

Permit No.: <i>970066</i>	Approval Date: <i>10/2/01</i>
Approved By: <i>David E. Hender</i>	
Title: <i>Geophysical Regulation Supervisor</i>	
County Approval Sent: <i>Mountain/Ward Co's 10/2/01</i>	

Conditions of Approval if any:  
*see attached letter*  
*Walter L*  
*10/2/01*

\*See Instructions On Reverse Side



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, 2001

Ms. Glenda Redmond  
Trace Energy Services, Inc.  
4769 KG Road  
Belfield, ND 58622

RE: Vecta 2-D Prospect  
Mountrail and Ward County  
ND Permit # 970066

Dear Ms Redmond:

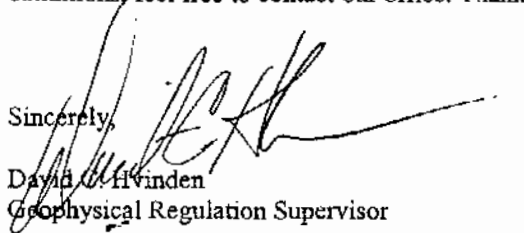
Please be advised that we are in receipt of your application for a Geophysical Exploration Permit for the above captioned prospect. As per our telephone conversation today, you will note that I have corrected and initialed changes that reflect the proper Company name, Surety Company, Bond amount, and Bond number.

This permit has been approved upon the following conditions:

1. That Trace Energy Services, Inc. provides the Secretary of State Office with proper paperwork reflecting the current name and is considered in good standing. *OK as per Marge 10/5/01*
2. That Trace Energy Services, Inc. files an organizational report with the NDIC Oil and Gas Division reflecting its current name and that the Surety Company provides a bond with your correct name. *OK 10-8/01*
3. That Trace Energy Services, Inc. submits a Seismic Completion Report, Post-plot map, and Seismic hole plugging records for the State Line Extension 3-D, ND Permit number 970060 pursuant to a letter to Dave Wismiewski dated September 20, 2001. *OK and 10/8/01*

When the above conditions are met, Trace Energy Services, Inc. may begin Geophysical Exploration as soon as they have notified our office. Should you have any questions regarding these conditions, feel free to contact our office. Thank you for your cooperation.

Sincerely,

  
David C. Hvinden  
Geophysical Regulation Supervisor

cc: Mr. Dave Wismiewski  
Trace Energy Services, Inc.  
4500 West Illinois, Ste. 118  
Midland, TX 79703

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms  
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Bruce E. Hicks  
ASSISTANT DIRECTOR

October 2, 2001

The Honorable Dave Senger  
Ward County Auditor  
315 3<sup>rd</sup> St SE  
Minot, ND 58701

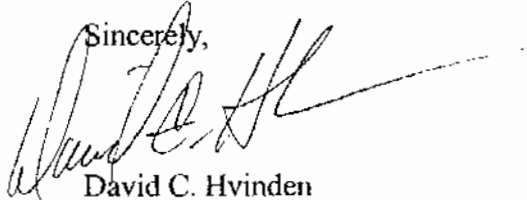
RE: Geophysical Exploration  
Permit # 97-0066

Dear Mr. Senger:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Trace Energy Services, Inc. was issued the above captioned permit on October 2, 2001 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

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, 2001

The Honorable Karen H. Eliason  
Mountrail County Auditor  
P.O. Box 69  
Stanley, ND 58784

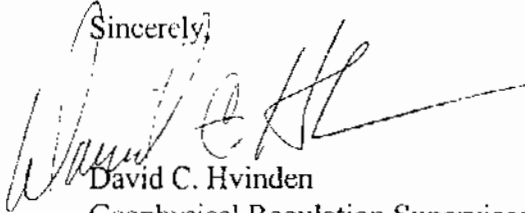
RE: Geophysical Exploration  
Permit # 97-0066

Dear Ms. Eliason:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Trace Energy Services, Inc. was issued the above captioned permit on October 2, 2001 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