



Final Survey

VERITAS DGC

ANSCHUTZ EXPLORATION  
DODGE 3D  
Dunn Co. ND

1644 RECEIVER POINTS  
1007 SOURCE POINTS  
Dec 31, 1997  
SCALE 1" = 2000'

Access Information Not Available at Time of Printing

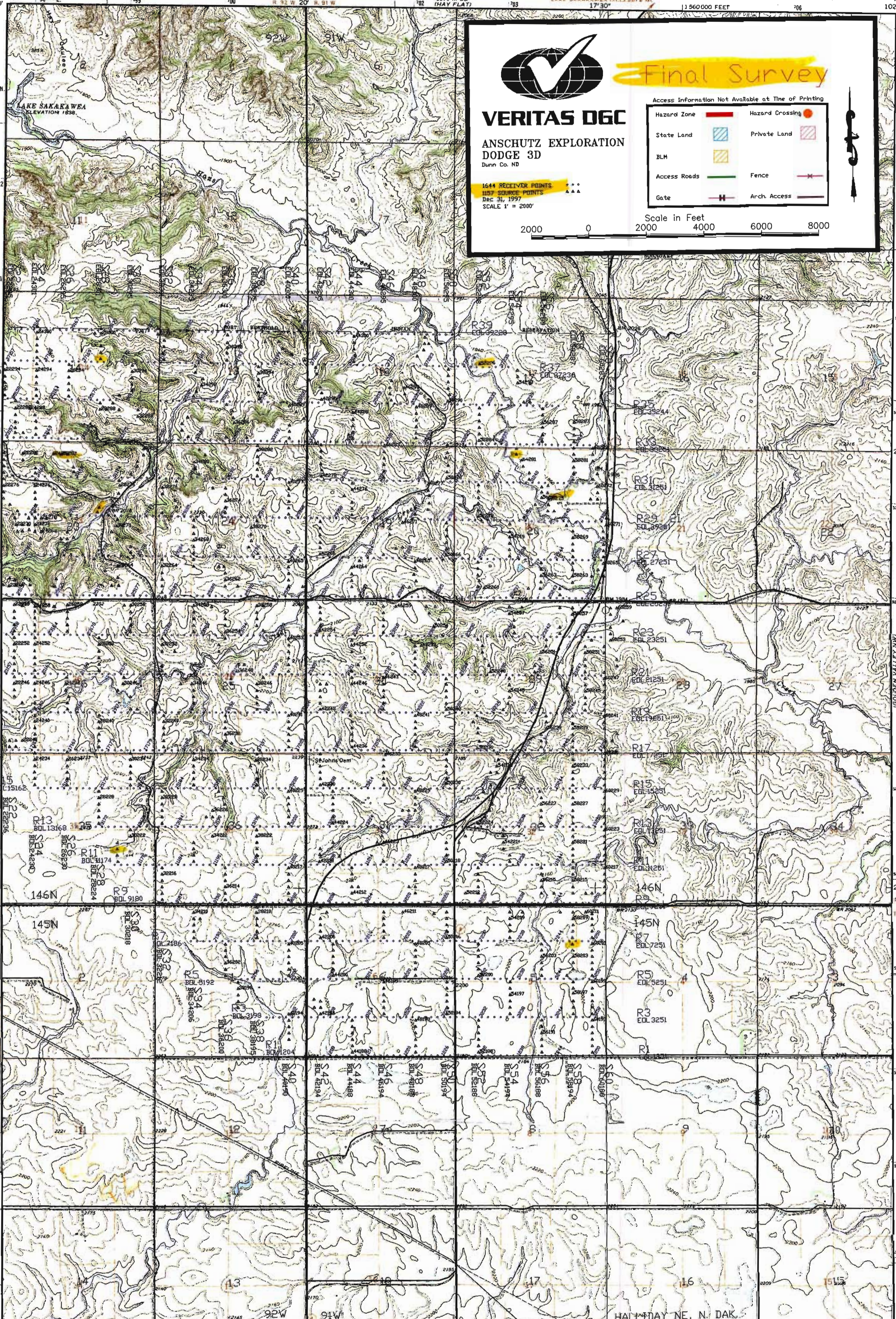
Hazard Zone	Red	Hazard Crossing	Red circle
State Land	Blue hatched	Private Land	Pink hatched
BLM	Yellow hatched	Fence	Black line
Access Roads	Green	Arch Access	Red line
Gate	Black line		

Scale in Feet  
2000 0 2000 4000 6000 8000

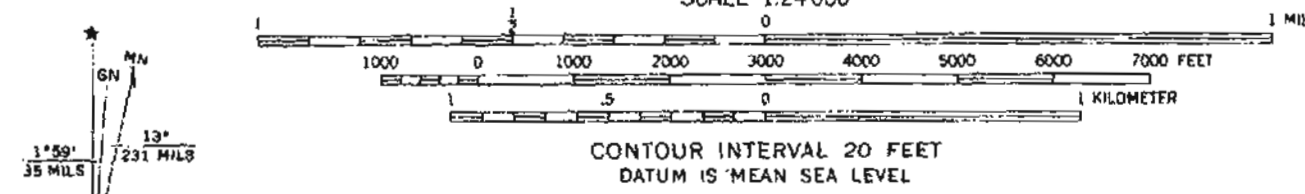


R39 BDL 39157  
R37 BDL 37157  
R35 BDL 35157  
R33 BDL 33157  
R31 BDL 31157  
R29 BDL 29157  
R27 BDL 27157  
R25 BDL 25157  
R23 BDL 23157  
R21 BDL 21157  
R19 BDL 19157  
R17 BDL 17157

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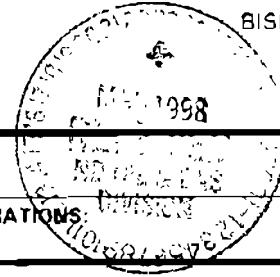
Mapped, edited, and published by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial photographs taken 1969. Field checked 1970  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on North Dakota coordinate system.  
South zone  
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue  
Area covered by dashed light-blue pattern is subject to controlled inundation  
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND NORTH DAKOTA WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION  
Primary highway, hard surface  
Secondary highway, hard surface  
Light-duty road, hard or improved surface  
Unimproved road  
Interstate Route  
U.S. Route  
State Route

QUADRANGLE LOCATION  
Map photosinspected 1982  
No major culture or drainage changes observed  
HALLIDAY NE, N. DAK.  
N4722.5-W10215.7.5  
2970  
PHOTOINSPECTED 1982  
AMB 5578 IV NE-SERIES V91/1



PERMIT NO.: **92-0001**

SHOT HOLE OPERATIONS: **yes**      \*NON-EXPLOSIVE OPERATIONS:

**SECTION 1**

GEOPHYSICAL CONTRACTOR: **Veritas DGC Land**

PROJECT NAME AND NUMBER: **Dodge 30**      COUNTY(S): **Dunn**

TOWNSHIP(S): **T146N T145N**      RANGE(S): **R 92W R91W**

PERMITTED BY: **Avis Permit Services Inc.**

DATE COMMENCED: **July 25/97 (surveying)**      DATE COMPLETED: **Aug 13/97 (recording)**

**SECTION 2**

FIRST S.P. #: **60188**      LAST S.P. #: **26271**

LOADED HOLES (UNDETONATED SHOT POINTS)

S.P. #'s:	<b>58205</b>	<b>58275</b>	<del><b>26266</b></del>	<b>52296</b>	<b>54282</b>	<b>28284</b>	<b>30220</b>	<b>24282</b>				
CHARGE SIZE:	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>				
DEPTH:	<b>120</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>				

REASONS HOLES WERE NOT SHOT:  
**Dead Caps**

**SECTION 3**

FLOWING HOLES AND/OR BLOWOUTS:  
 S.P.#'s  
**None Reported**

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

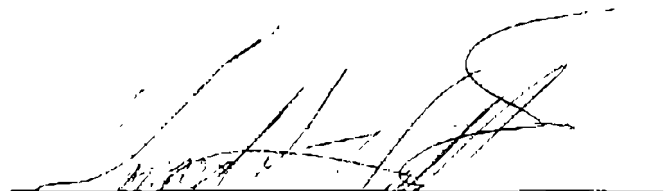
Include a 7.5 minute USGS topographic quadrangle map or a computer generated post-plot facsimile of the approximate scale displaying each individual shot hole, SP #, line #, and legal location.

\*Non-Explosive Operations - Complete Section 1 and Affidavit.

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

COLORADO  
STATE OF NORTH DAKOTA )  
 )  
COUNTY OF DENVER )

Before me, Kristen S. Carpenter, a Notary Public in and for the said County and State, this day personally appeared Howard J. Watt who being first duly sworn, deposes and says that (s)he is employed by VERITAS DECELAN, 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.

  
\_\_\_\_\_  
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 01<sup>st</sup> day of March, 1998.

Notary Public Kristen S. Carpenter

My Commission Expires \_\_\_\_\_  
My Commission Expires 06-15-2001

NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Wesley D. Norlen  
DIRECTOR

F.E. Wilborn  
ASSISTANT DIRECTOR

March 12, 1998

Mr. Howard Watt  
Veritas DGC Land  
410 17th St., Ste. 1690  
Denver, CO 80202

RE: Seismic Completion Reports  
Dodge 3D  
ND Permit #97-0001

Seismic Completion Reports  
Buck 3D  
ND Permit #97-0002

Seismic Completion Reports  
Flat Lake 3D  
ND Permit #97-0006

Seismic Completion Reports  
Westby 3D  
ND Permit #97-0007

Dear Mr. Watt:

Please refer to my letters of January 12 and 13, 1998 regarding the filing or lack thereof of seismic completion reports, affidavits, and post plot maps for the above captioned programs.

This is your third and final notice. Call if you have any questions.

Sincerely,



David C. Hvinden  
Geophysical Regulation Supervisor

DCH/dh

NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Wesley D. Norton  
DIRECTOR

F.E. Withorn  
ASSISTANT DIRECTOR

January 12, 1998

Mr. Howard Watt  
Veritas DGC Land  
410 17th Street, Suite 1690  
Denver, CO 80202

**RE: Completion Information  
Dodge 3D  
ND Permit No. 97-0001**

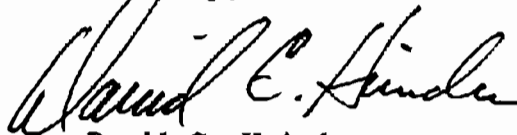
Dear Mr. Watt:

Please be advised that pursuant to North Dakota Administrative Code Section 43-02-12-06 (enclosed) any person performing geophysical exploration shall file a seismic completion report within thirty days of completion of the project.

For your convenience I have enclosed a few copies of our seismic completion reports. Please complete and submit the report and affidavit along with the required post-plot map.

Should you have any questions with regard to this matter, feel free to contact our office.

Sincerely,



David C. Hvinden  
Geophysical Regulation Supervisor

DCH/th  
enc.

**SECOND NOTICE 1/12/98**

NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Wesley D. Nerton  
DIRECTOR

F.E. Wilborn  
ASSISTANT DIRECTOR

November 5, 1997

Mr. Howard Watt  
Veritas DGC Land  
410 17th St., Ste. 1690  
Denver, CO 80202

RE: Completion Information  
Dodge 3D  
ND Permit #97-0001  
Dunn County, ND

Dear Mr. Watt:

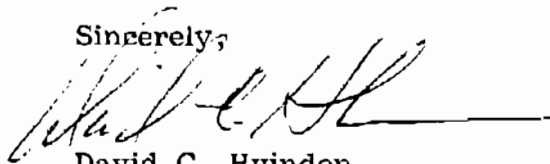
Please find enclosed a copy of our tentative rules and regulations regarding geophysical exploration. You can expect to receive final rules and respective forms by mid December 1997.

During the interim we are trying to implement a program that will effectively manage the information needed until the forms are finalized.

For your convenience we have enclosed our completion report and affidavit of completion. Please note that a post-plot map is required with the completion report and affidavit.

Should you have any questions regarding this matter, feel free to call on our office.

Sincerely,



David C. Hvinden  
Geophysical Regulations Supervisor

DCH/dh

Enclosure

*Handwritten notes:*  
273 @ 97i calculated  
252 Holes average  
1105 Bays 261 481  
no depth →

1) Veritas DGC Land Inc.  
Company  
3701 Kirby Ste 1050, Houston, TX. 77098  
b. Permanent Address & Telephone Number  
Howard Watt. 303-607-9344  
c. Name & Telephone Number of Company Representative  
CT Corp. Systems, 314E. Thayer Ave., Bismarck, ND 58501

2) Registered Agent & Address  
Safeco Insurance Company of America

3) a. Surety Company & Address  
Safeco Plaza, Seattle, WA 98185  
b. Bond Type & Number  
Shot-Hole \$50,000 No. 5766786 Non-Explosive \$25,000 No. \_\_\_\_\_ Driller/Hole Plugger \$10,000 No. \_\_\_\_\_  
c. Bond Expiration \_\_\_\_\_

4) a. Subcontractor (check)  
Driller \_\_\_\_\_ Hole Plugger \_\_\_\_\_  
b. Permanent Address & Telephone Number \_\_\_\_\_

c. Name & Telephone Number of Company Representative \_\_\_\_\_

5) a. Surety Company & Address \_\_\_\_\_  
Bond Number \_\_\_\_\_ Expiration \_\_\_\_\_

6) Location of Proposed Project  
County(s) DUNN  
Section(s), Township(s) & Range(s)  
Sec. 17,18,19,21,29,30,31,32 T 146n R R91W  
Sec. 13,14,23,24,25,26,35,36 T 146n R R92W  
Sec. 5,6 T 145n R R91W  
1 145n R R92W

7) Size of Hole	Amount of Charge	Depth	Shots Per Mile	Number of Miles	Identifying Marks Used on Non-metallic Plug
<u>3"</u>	<u>5#</u>	<u>60'</u>	<u>48/sq.mi.</u>	<u>17 sq. mi.</u>	

8) a. Proposed hole plugging procedure.  
b. If other than shot-hole describe method of geophysical operation.

9) a. Project Name or Line Numbers Dodge 3D b. Approx. Date Work Will Start July 17th/97 c. Approx. Date of Completion Nov 17th/97

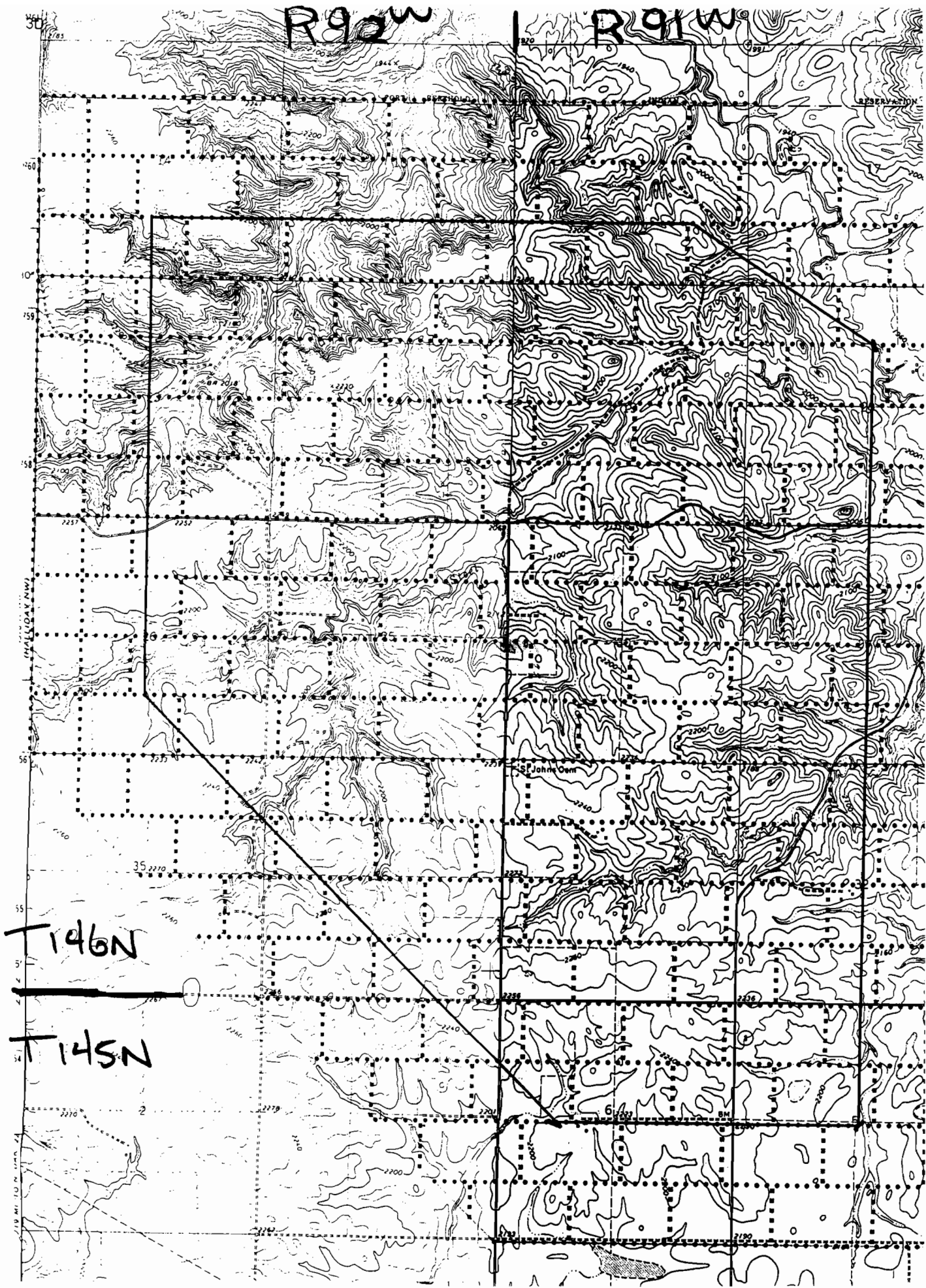
10) Enclose a Bureau of Land Management Map (1" = 2 Miles) with proposed line on it.

SIGNED Murray R. Quinn TITLE Permit Agent DATE 7-10-97  
701-748-2209 - Room 208, 748-5709 FAX

(This space for State office use)  
MIT NO. 97-0001 DATE 7-11-97  
APPROVAL DATE 7-11-97  
APPROVED BY [Signature]  
Geophysical Regulation Supervisor  
Approvals sent Dunn Co. 7/11/97

CONDITIONS OF APPROVAL IF ANY:  
permit approved on condition of subcontractor information submitted and bond in good standing  
[Signature]  
7/11/97

*Vertical*  
DODGE 3D #97-0001





NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Wesley D. Norton  
DIRECTOR

F.E. Wilborn  
ASSISTANT DIRECTOR

July 11, 1997

The Honorable Reinhard Hauck  
Dunn County Auditor  
P.O. Box 105  
Manning, ND 58642

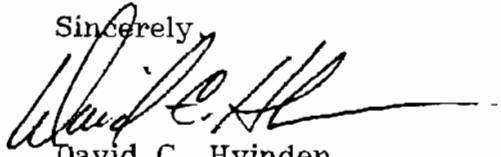
RE: Geophysical Exploration  
Permit #97-0001

Dear Mr. Hauck:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Veritas DGC Land, Inc. was issued the above captioned permit on July 11, 1997 and will remain in effect for a period of one year.

Should you have any question, please contact our office.

Sincerely,



David C. Hvinden  
Geophysical Regulation Supervisor

DCH/dh

NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Westey D. Norton  
DIRECTOR

F.E. Withorn  
ASSISTANT DIRECTOR

July 24, 1997

Murray Gunne  
Veritas DGC Land, Inc.  
P.O. Box 172  
Hazen, ND 58545

**RE: GEOPHYSICAL EXPLORATION PERMITS  
DODGE 3D & BUCK 3D**

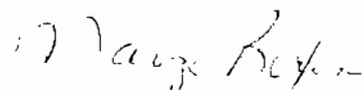
Dear Mr. Gunne:

This letter will verify the approval of the above-captioned Geophysical Permits effective July 11, 1997.

Also enclosed, please find a copy of the receipt in the amount of \$200.00 for the permits.

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

Sincerely,



Marge Rixen  
Legal Assistant

/mr