

VERITAS DGC

**ANSCHUTZ EXPLORATION
BUCK 3D**
Mercer Co. ND.

GPS RECEIVER POINTS
GPR SOURCE POINTS
TRAC 90, 1997
SCALE 1" = 2000'

Final Survey

Access Information Not Available at Time of Printing			
Hazard Zone		Hazard Crossing	
State Land		Private Land	
BLM		Fence	
Access Roads		Arch. Access	
Gate			

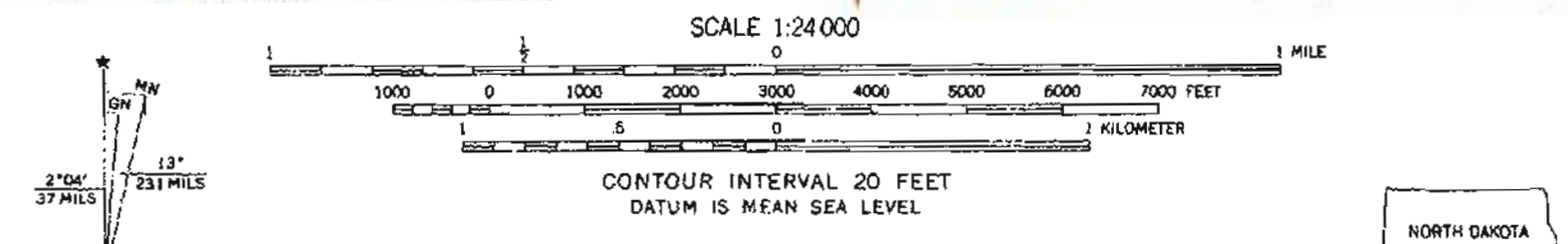
Scale in Feet
2000 0 2000 4000 6000 8000

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

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

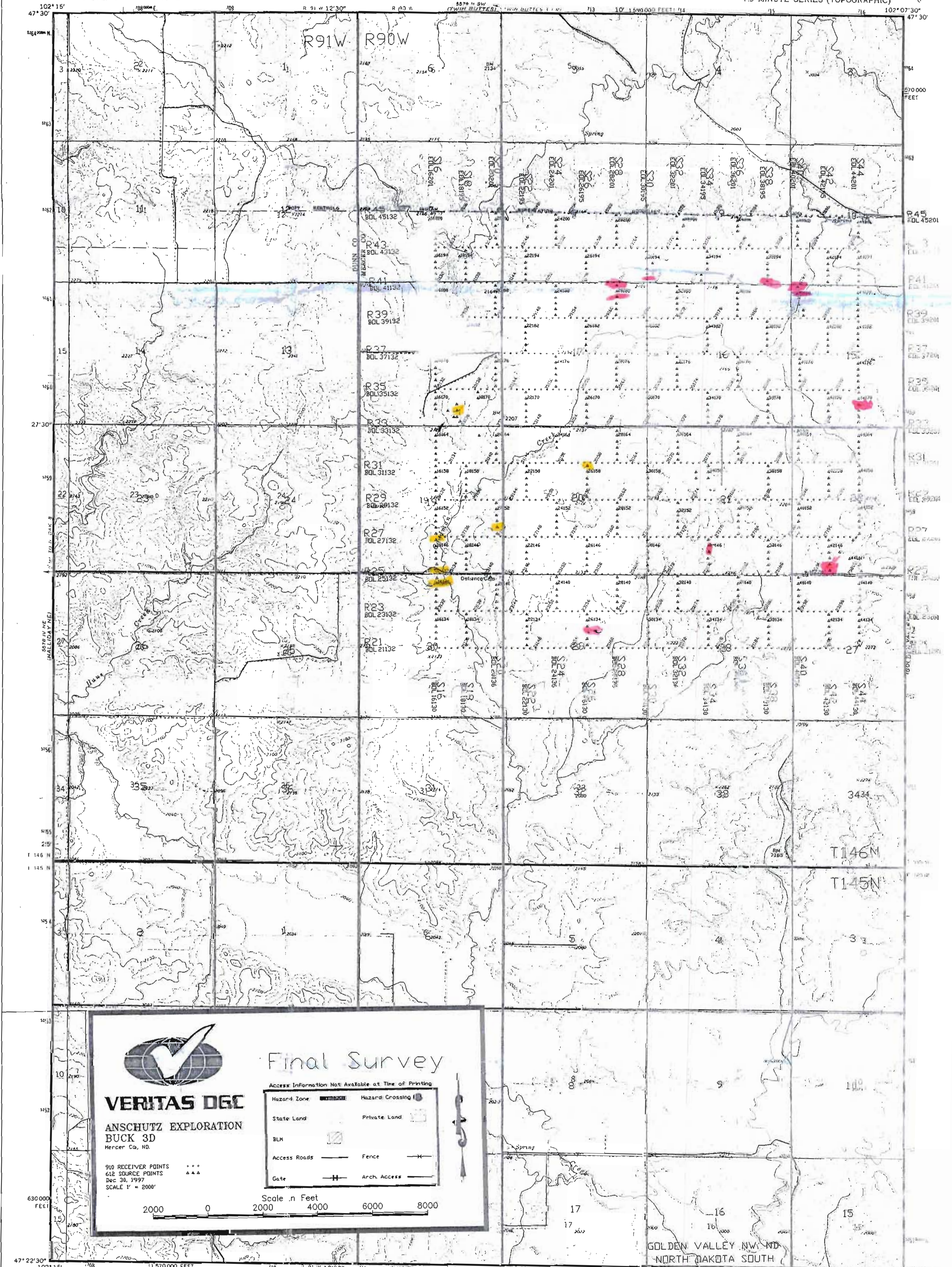


ROAD CLASSIFICATION


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

GOLDEN VALLEY NW, N. DAK.
N4722.6-W10207.5/7.5
1970





Handwritten notes:
 16148
 20149
 26159
 18168



Final Survey

Access Information Not Available at Time of Printing

Hazard Zone	Hazard Crossing
State Land	Private Land
BLM	Fence
Access Roads	Gate
	Arch. Access

910 RECEIVER POINTS ***
 612 SOURCE POINTS ▲▲▲
 DEC. 30, 1997
 SCALE 1" = 2000'

Scale in Feet
 2000 0 2000 4000 6000 8000

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 USCA/GS

Topography by photogrammetric methods from aerial photographs taken 1969. Field checks 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

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1983 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242 AND BY THE STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501

DESCRIPTION OF TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SCALE 1:24,000

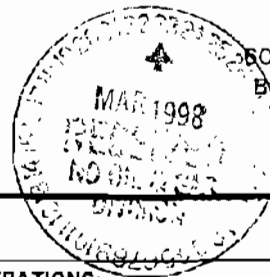
CONTOUR INTERVAL 20 FEET
 DATUM IS M.F.A.N. SEA LEVEL

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

GOLDEN VALLEY NW, ND
 NORTH DAKOTA SOUTH

GOLDEN VALLEY NW, N. DAK.
 N4722.5-W10207.5/7.5

1970



PERMIT NO.: **97-0002**

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

SECTION 1

GEOPHYSICAL CONTRACTOR: **Veritas O&G Land**

PROJECT NAME AND NUMBER: **Buck 3D** COUNTY(S): **Mercer**

TOWNSHIP(S): **T146N** RANGE(S): **R290W**

PERMITTED BY: **Axis Permit Services**

DATE COMMENCED: **July 19/97 (surveying)** DATE COMPLETED: **Aug 6/97 (recording)**

SECTION 2

FIRST S.P. #: **38130** LAST S.P. #: **38182**

LOADED HOLES (UNDETONATED SHOT POINTS)

S.P. #'s:	16148	20149	26159	18168								
CHARGE SIZE::	10	10	10	10								
DEPTH:	60'	90'	80'	100'								

REASONS HOLES WERE NOT SHOT:
Dead Cap

SECTION 3

FLOWING HOLES AND/OR BLOWOUTS:
 S.P.#'s **16140 (BLOWOUT)**
16142 (BLOWOUT)

PROCEDURE FOR PLUGGING FLOWING HOLES: AND/OR BLOWOUTS:
VERITAS DRILLPUSH RE-PACKED HOLES WITH BENTONITE
VERITAS DRILLPUSH - JEFF TEFET

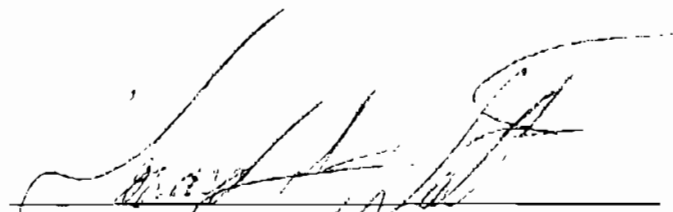
Include a 7.5 minute USGS topographic quadrangle map or a computer generated post plot facsimile of the approximate scale displaying each individual shot hole, SP #, line #, and legal location.

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

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

COLORADO
STATE OF NORTH DAKOTA)
)
COUNTY OF DENVER)

Before me, Winston S. Corporation, a Notary Public in and for the said County and State, this day personally appeared HOWARD T. WAIT who being first duly sworn, deposes and says that (s)he is employed by VERITAS OIL LAND, 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 19th day of March 1998.

Notary Public Winston S. Corporation

My Commission Expires
06-15-2001

My Commission Expires _____

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Wesley D. Norton
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. Wilborn
ASSISTANT DIRECTOR

January 13, 1998

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

**RE: Completion Information
Buck 3D
ND Permit No. 97-0002**

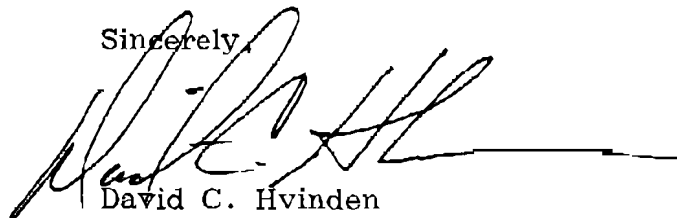
Dear Mr. Watt:

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.

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Wesley D. Norton
DIRECTOR

F.E. Withorn
ASSISTANT DIRECTOR

November 5, 1997

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

RE: Completion Information
Buck 3D
ND Permit #97-0002
Mercer County, ND

Dear Mr. Watt:

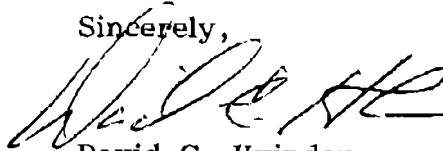
Please find enclosed a copy of our tentative rules and regulations regarding geophysical exploration. You can expect to receive final rules and respective forms by mid December 1997.

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

Seismic Office Checksheet

Permit # 97-0002

Project name Buck 3D
Geophysical Contractor VERITAS OGC Land
Client Anschutz
County(s) Merced

Date permitted 7-11-98
County notification letter 7-11-98
Completion report received 3-23-98

letter 1/15/97, 1/13/97, final 3/11/98

Contractor:	Shot hole logs received
<u>North River Expl.</u>	<u>8-19-97</u>
<u>Tumbleweed, Del. & Hplg</u>	<u>8-19-97</u>
<u>American Seismic Services</u>	<u>8-19-97</u>
<u>Johnson Drilling</u>	<u>8-19-97</u>

Field Inspection reports _____
Drilling and shooting _____
Initial post-shot inspection _____
Annual inspection _____
Final inspection _____

One hasn't cross checked hole plug logs w/ map

Veritas DGC Land Inc.

- 1) 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, 314 E. 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 \$30,000 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 _____
b. Bond Number _____ Expiration _____

- 6) Location of Proposed Project
County(s) Mercer
Section(s), Township(s) & Range(s)
Sec. 7, 8, 9, 10, 18, 17, 16, 15 T 146n R 90w
Sec. 19, 20, 21, 22, 27, 28, 29, 30 T 146n R 90w
Sec. _____ T _____ R _____

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>9 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 BUCK 3D b. Approx. Date Work Will Start July 17th/97 c. Approx. Date of Completion Sept 17th/97

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

SIGNED Murray L Gunning TITLE Permit Agent DATE 7-10-97
701-748-2204 Rm 205

(This space for State office use)
LIT NO. 97-000 DATE 7-11-97
APPROVAL DATE 7-11-97
APPROVED BY [Signature]
Geophysical Regulation Supervisor
1 Approvals sent Merue Co. 7/11/97

CONDITIONS OF APPROVAL IF ANY:
Permit approved on condition of subcontract
info submitted and bond in good
standing 7/11/97

670 000
FEET

R90 W

BUCK 3D

DUNN CO
MERCER CO

T146N

3263

3262

3261

3260

27° 30'

3259

3258

(GOLDEN VALLEY NE)
5578 / NE

3257

3256

3255

3254

3253

3252

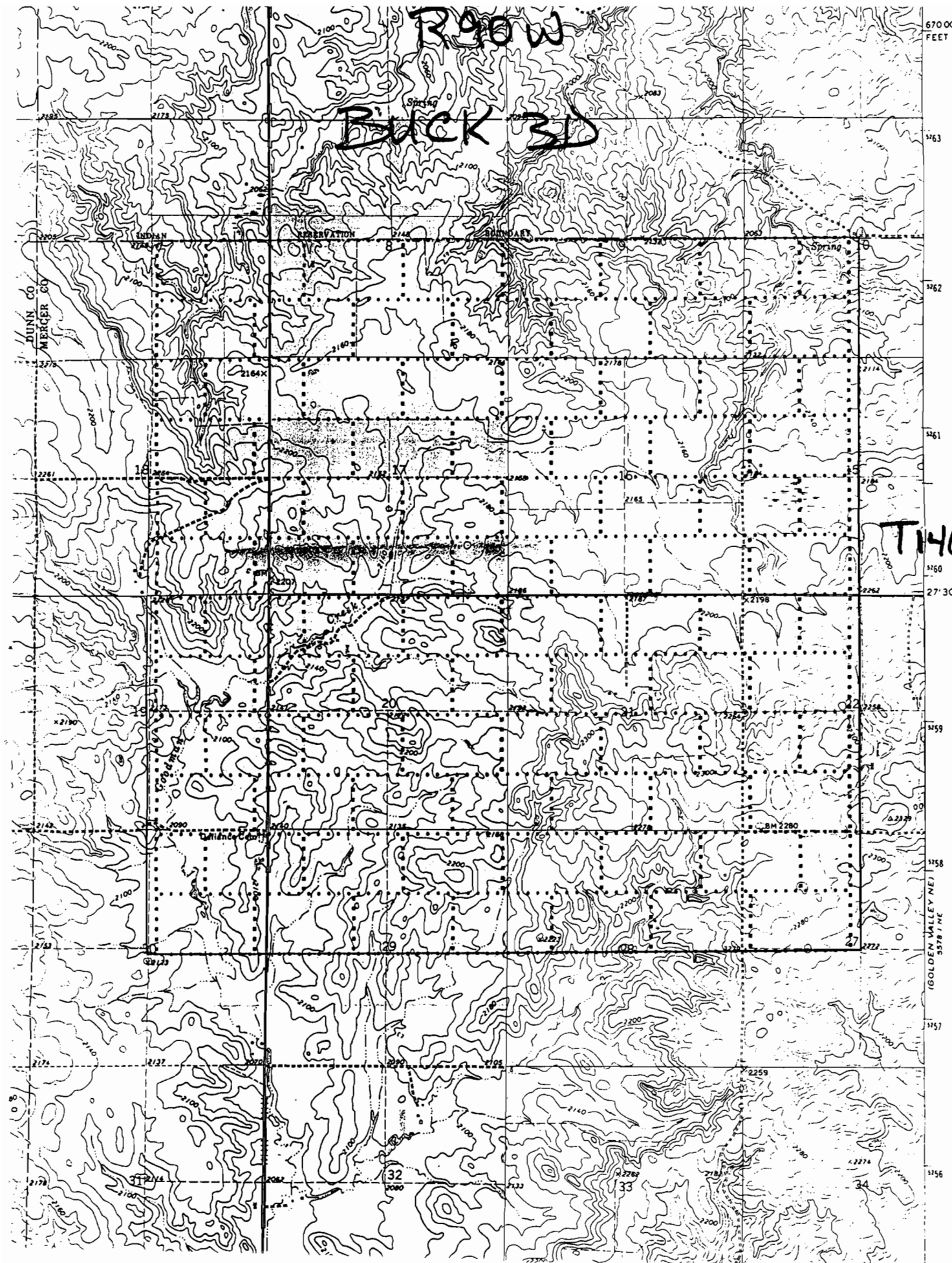
3251

3250

3249

3248

3247



NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Wesley D. Norton
DIRECTOR

F.F. Wilborn
ASSISTANT DIRECTOR

July 11, 1997

The Honorable Richard Sorenson
Mercer Co. Land Use Administrator
P.O. Box 39
Stanton, ND 58571

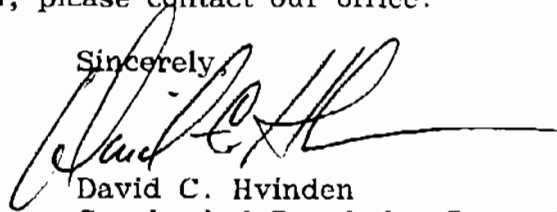
RE: Geophysical Exploration
Permit #97-0002

Dear Mr. Sorenson:

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