
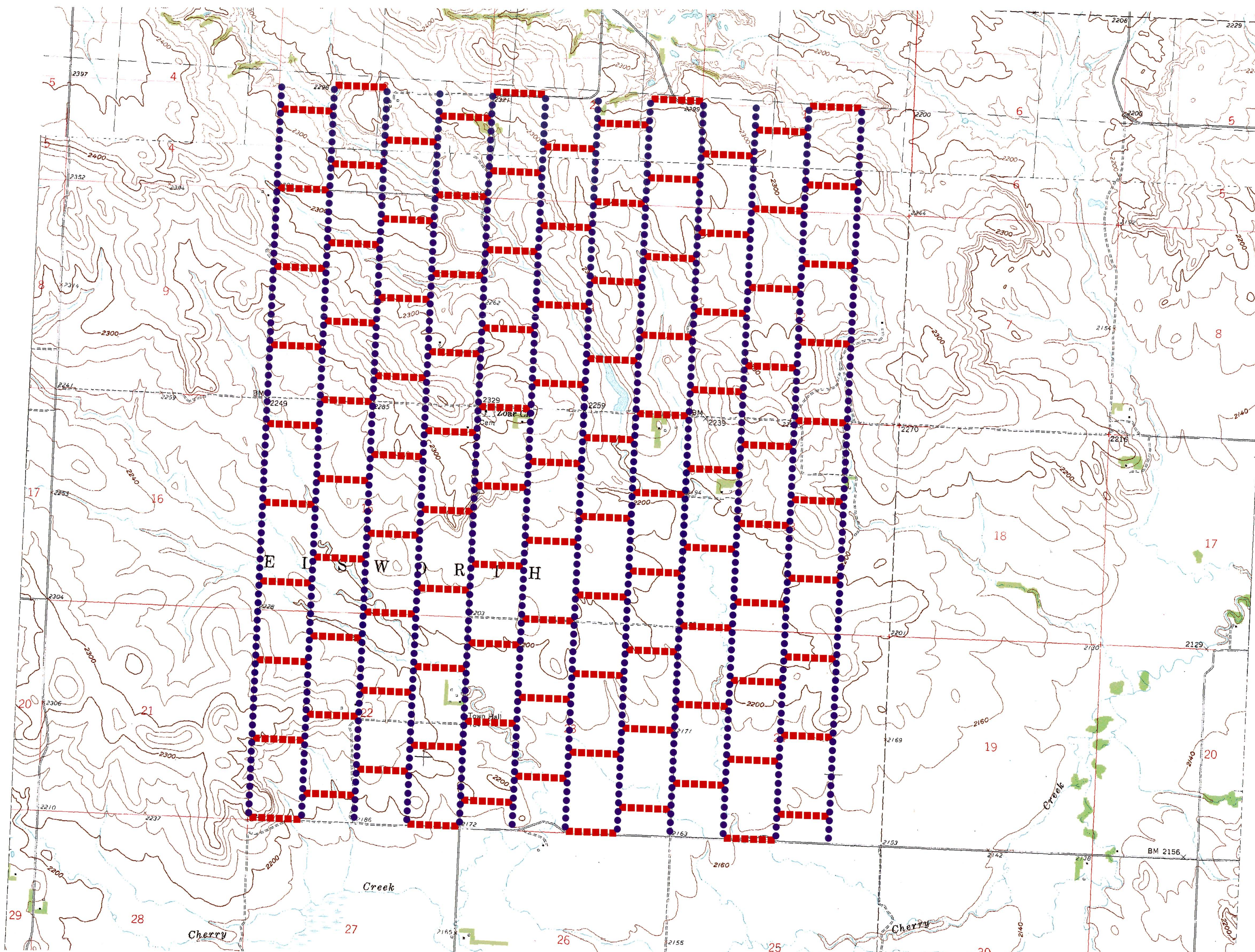


Based off #970109
Pleasant Hill project
5
#970062
North Ellsworth

 Whiting Oil and Gas Corporation	
Red River Structure from 3-D Seismic McKenzie Co., North Dakota NDIC Case # 10040	
C.I. = 25 Feet	Date: April 23, 2008
Exhibit #4	R. Gaber

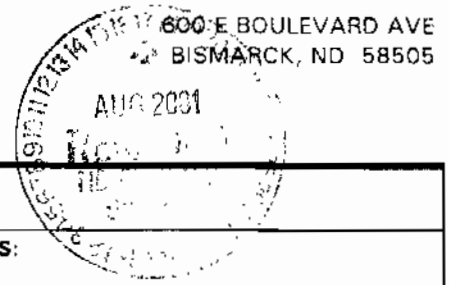
970062



T149N R100W



SEISMIC COMPLETION REPORT
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 SFN 51456 (11-97)



PERMIT NO.: 97-0062

SHOT HOLE OPERATIONS: 3D *NON-EXPLOSIVE OPERATIONS:

SECTION 1

GEOPHYSICAL CONTRACTOR: Veritas DGC LAND, INC.

PROJECT NAME AND NUMBER: North Ellsworth 3D COUNTY(S): McKenzie County

TOWNSHIP(S): 149 N RANGE(S): 100 W

PERMITTED BY: Tim Brooks

DATE COMMENCED: June 24, 2001 DATE COMPLETED: August 13, 2001

SECTION 2

FIRST S.P. #: 5001-1101 LAST S.P. #: 5029-1166

LOADED HOLES (UNDETONATED SHOT POINTS)

S.P. #'s:	5004-1142	5002-1147												
CHARGE SIZE::	5 LBS	5 LBS												
DEPTH:	60'	60'												

REASONS HOLES WERE NOT SHOT:
 Both SHOT HOLES HAD open (bad) detonators.

SECTION 3

FLOWING HOLES AND/OR BLOWOUTS:
 S.P.#'s

NO FLOWING HOLES AND/OR BLOWOUTS

PROCEDURE FOR PLUGGING FLOWING HOLES: AND/OR BLOWOUTS:

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, Linda F. McGrath, a Notary Public in and for the said County and State, this day personally appeared Tim Brooks who being first duly sworn, deposes and says that (s)he is employed by VERITAS DBC LAND, INC., that (s)he has read North Dakota

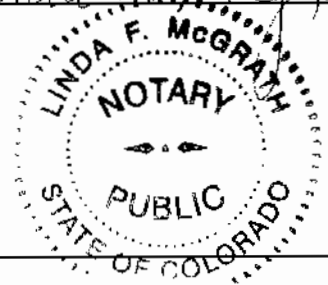
Century Code Section 38-08.1, that the foregoing seismic project has been completed in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the reverse side of this document are true.

[Signature]
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 14th day of August, 2001.

Notary Public [Signature]

My Commission Expires 02-15-03





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



600 E BOULEVARD AVE
 BISMARCK, ND 58505

1) a. Company: Veritas DGC LAND INC		Address: 410 - 17th Street, Suite 1690 DENVER, CO 80202	
Contact: TIM BROOKS		Telephone: 303-607-9344 ext 109	Fax: 303-607-9349
Surety Company: SAFECO INSURANCE COMPANY of America		Bond Amount: \$50,000.⁰⁰	Bond Number: 5766784
2) a. Subcontractor(s): EXPLORATION DRILLING, INC		Address: Route 2, Box 215, Sidney, MT 59210	Telephone: 406-482-3356
b. Subcontractor(s): EXTREME SURVEY		Address: PO Box 895, Dubois, WY 82513	Telephone: 307-455-2796
c. Subcontractor(s):		Address:	Telephone:
3) Party Manager: DAN MILLWARD		Address: 410 - 17th St., Ste 1690 Denver CO 80202	Telephone: 281-798-5388
4) Project Name or Line Numbers: NORTH ELLSWORTH 3D			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D): Shot Hole - 3D			
6) Approximate Drilling Start Date: MAY 15, 2001		Approximate Completion Date: DRILLING JUNE 15, 2001 ACQUISITION July 30, 2001	

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

7) Location of Proposed Project - County McKENZIE COUNTY				
Section(s), Township(s) & Range(s)		Sec. 10, 11, 12, 13, 14, 15, 22, 23, 24	T 149 N	R 100 W
		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			
4 3/4"	5 LBS	60'	6 7/8	9.63 sq.	Geophysical ID	a. Plugger ID	b. Plugger ID	c. Plugger ID
					VDGC	EDI		

9) Anticipated special drilling and plugging procedures?
NONE ANTICIPATED - SEE ATTACHED OFFSET DISTANCE CHART -

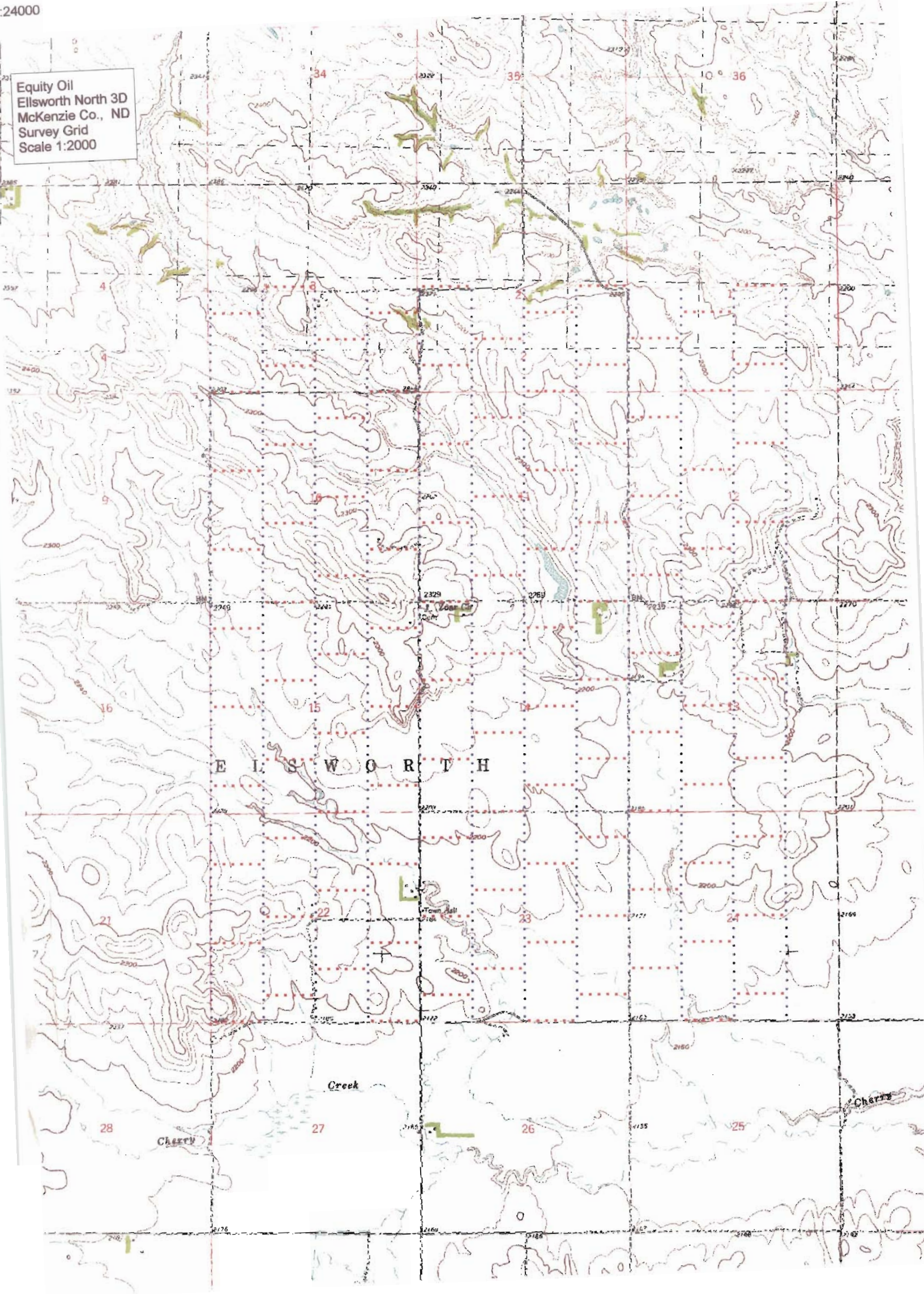
10) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.
SEE ENCLOSED MAP FOR LINE LOCATIONS - Powder Mag Location yet to be determined.

Signed:	Title: OPERATIONS MGR	Date: 5-2-01
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(This space for State office use)		Conditions of Approval if any:
Permit No.: 97-0062	Approval Date: 5/7/01	Identify surface plug w/ #62 and drill/plugger ID. Notify surface owner, county, and state field rep. Kim Martin (701-227-7436) prior to drilling. All variances must be furnished upon request and SEG-P1 should be filed w/ completion report. 5/7/01
Approved By:		
Title: Geophysical Regulatory Supervisor		
County Approval Sent: McKenzie County - Mr. James Olson 5/7/01		

*See Instructions On Reverse Side

Equity Oil
Ellsworth North 3D
McKenzie Co., ND
Survey Grid
Scale 1:2000





ENERGY SOURCE OPERATING DISTANCE CHART
COMMONLY USED BY THE GEOPHYSICAL INDUSTRY

Object	Explosives Energy Source Charge size shown in pounds					Vibroseis
	5 or under	6 to 10	11 to 20	21 to 40	41 to 100	
Pipeline less than 6" in diameter	100'	140'	190'	230'	290'	300'
Pipelines 6" to 12" in diameter	150'	215'	280'	350'	430'	300'
Pipeline greater than 12" in diameter	200'	290'	380'	460'	580'	300'
Telephone Line	40'	56'	76'	80'	115'	**
Railroad track or main paved highways	150'	215'	280'	350'	430'	**
Electric power line (shot hole not to exceed 200' depth)	TWO TIMES THE HOLE DEPTH					
Water well, buildings, underground cistern, and all other objects not mentioned above.	300'	430'	560'	700'	860'	300'

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR

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

Bruce E. Hicks
ASSISTANT DIRECTOR

May 7, 2001

Tim Brooks
Veritas DGC Land, Inc.
410-17th St., Ste. 1690
Denver, CO 80202

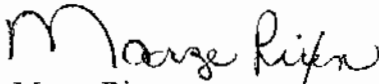
**RE: GEOPHYSICAL EXPLORATION PERMIT NO. 97-0062
NORTH ELLSWORTH 3D
MCKENZIE COUNTY, North Dakota**

Dear Mr. Brooks:

This letter will verify the approval of the above-captioned Geophysical Permit effective May 7, 2001.

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 7, 2001

The Honorable Frances M. Olson
McKenzie County Auditor
P.O. Box 543
Watford City, ND 58854

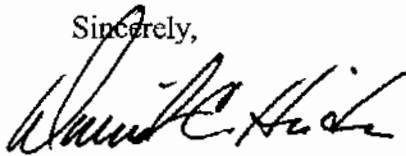
RE: Geophysical Exploration
Permit # 97-0062

Dear Ms. Olson:

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 May 7, 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