

# Oil and Gas Division 970117



Lynn D. Helms - Director      Bruce E. Hicks - Assistant Director

**Department of Mineral Resources**

Lynn D. Helms - Director

**North Dakota Industrial Commission**

[www.dmr.nd.gov/oilgas](http://www.dmr.nd.gov/oilgas)

12/4/2008

VICKEY HUTCHINS  
CGGVERTAS LAND (U.S.) INC.  
410 17TH ST., STE. 1690  
DENVER, CO 80202-1690

RE: See Attached List of Projects

Dear Vickey:

According to our records, our office has not received a letter confirming that all surface owners have been given a written copy of NDCC Section 38-08.1-04.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil and Gas Production Damage Compensation). Please submit the letter at your earliest convenience.

If you have any questions, feel free to contact our office.

Sincerely,

Richard A. Suggs  
Engineering Technician

List of Projects Missing a Letter Confirming Surface Owners Notification for  
CGGVERTAS LAND (U.S.) INC.

TARPON 3-D  
MCKENZIE COUNTY  
PERMIT NO. 970117

COMPLETION DATE: 8/3/2007

STEELHEAD 3-D  
WILLIAMS COUNTY  
PERMIT NO. 970116

COMPLETION DATE: 9/17/2006



United States  
Department of  
Agriculture

Forest  
Service

Dakota Prairie  
Grasslands

McKenzie Ranger District  
1901 South Main Street  
Watford City, ND 58854

970117

File Code: 2860

Date: June 10, 2008

Whiting Petroleum  
Attn: Pat Winkler  
1700 Broadway Suite 2300  
Denver, CO 80290



Dear Pat,

Please reference your seismic permit MCK06024 dated June 13, 2007 for geophysical prospecting in T153N R96W, T153N R97W, and T152N R97W, McKenzie County, North Dakota.

A final inspection has been performed and all work was performed in compliance with permit specifications. This case is closed.

If you have any questions, please contact Katie Knutson of my staff at (701)842-2394 ext. 22.

Sincerely,

RONALD E. HECKER  
District Ranger

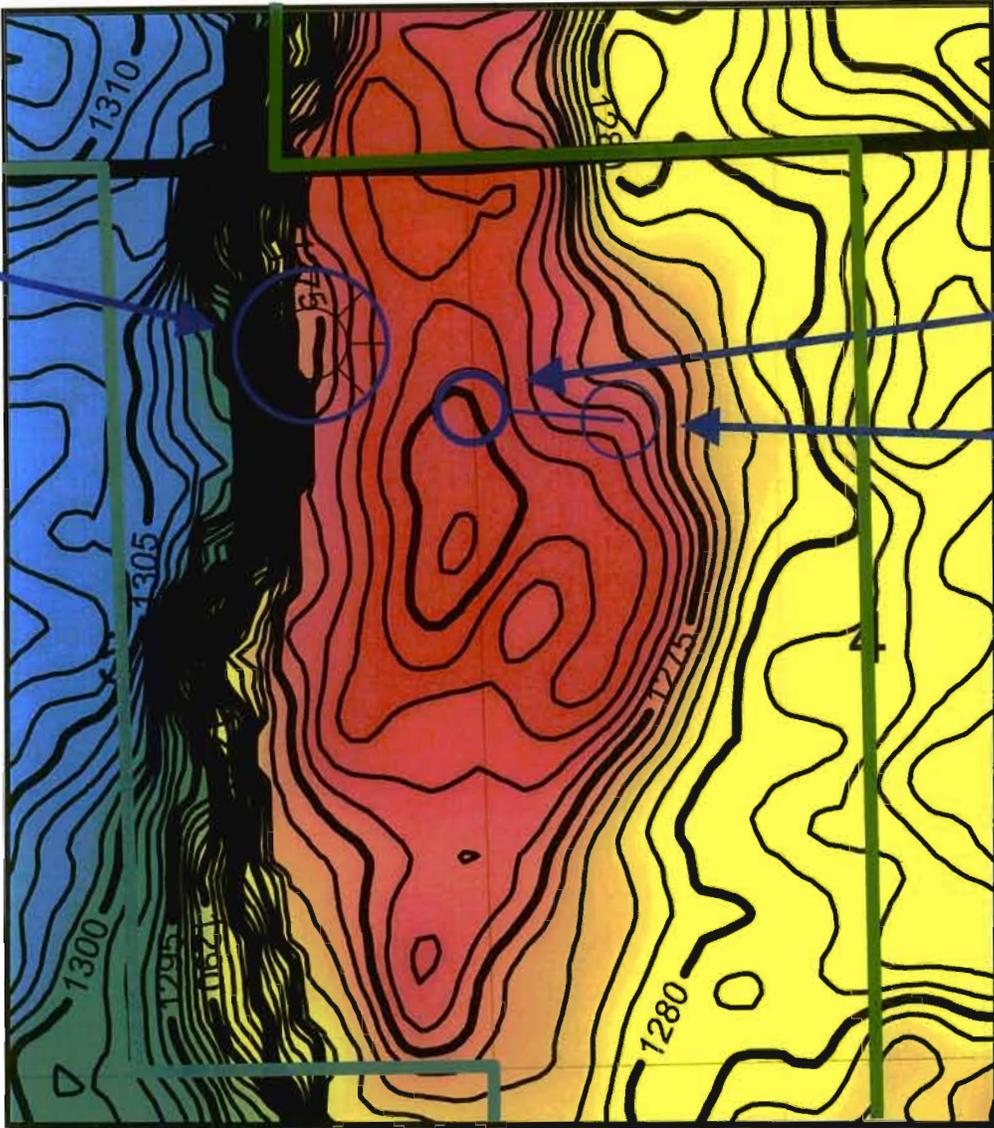
cc: SO

Tom Torstenson  
600 East Blvd Ave Dept 405  
Bismarck, ND 58505

CGG Veritas  
ATTN: Steve Dickin  
410 17<sup>th</sup> Street, 1140  
Denver, CO 80202



Twin Valley Field



**Type Log**  
 Texaco  
 L.J. Grantier A-1  
 Red River  
 Production Test (4/83)  
 0 BO/ 2.7 MMCFG/ 261 BW

T  
 152  
 N

**Grantier 12-4D  
 Proposed BHL  
 Location**  
 1675 fnl 20 fel  
 Section 5

**Grantier 12-4D  
 SHL Location**

R 97 W

Based off  
 Seismic  
 #970117 TarPan 3-D

 <b>Whiting Oil and Gas Corporation</b>	
<b>Greenhorn-Red River Isochron</b>	
McKenzie Co., North Dakota NDIC Case # 10039	
C.I. = 1 ms	Date: April 23, 2008
Exhibit #4	R. Gaber



# SEISMIC COMPLETION REPORT

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 51456 (03-2005)



Permit No. <b>970117</b>	
Shot Hole Operations <b>100%</b>	*Non-Explosive Operations <b>0%</b>

## SECTION 1

Geophysical Contractor <b>Veritas DGC Inc.</b>	
Project Name and Number <b>Tarpon 3D</b>	County(s) <b>McKenzie</b>
Township(s) <b>152,153</b>	Range(s) <b>96,97</b>
Drilling and Plugging Contractors <b>Exploration Drilling Inc.</b>	
Date Commenced <b>June 11, 2007</b>	Date Completed <b>August 1, 2007</b>

## SECTION 2

First S.P. # <b>5580-1683</b>	Last S.P. # <b>5788-1552</b>													
Loaded Holes (Undetonated Shot Points) <b>56521661, 56361641, 56521637, 56521629, 56521628, 56521627, 56441621, 57001599, 57161577, 57401572, 57401556,</b>														
S.P.#s	52-1661	All other												
Charge Size	5.5	5.5												
Depth	40	60												
Reasons Holes Were Not Shot <b>(undetonated shotpoints continued) 57401550, 56681609) All 13 Sps not detonated caps defective.)</b>														

## SECTION 3

Flowing Holes and/or Blowouts S.P.#s <b>NONE</b>
Procedure for Plugging Flowing Holes and/or Blowouts <b>n/a</b>
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.

970117

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

STATE OF Utah )

COUNTY OF Utah Salt Lake )

Before me, Justin Bastian, a Notary Public in and for the said

County and State, this day personally appeared Stephen P. Dickin

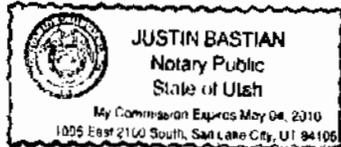
who being first duly sworn, deposes and says that (s)he is employed by Veritas DGC Inc.

\_\_\_\_\_ , 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.

Stephen P. Dickin   
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 17th day of December, 2007.



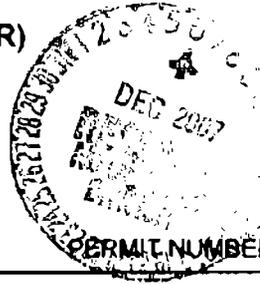
Notary Public Justin Bastian

My Commission Expires 05/04/2010



**AFFIDAVIT OF PLUGGING (HOLE PLUGGER)**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 51457 (03-2005)



PERMIT NUMBER: 970117

**AFFIDAVIT OF PLUGGING (HOLE PLUGGER)**

STATE OF Montana )

COUNTY OF Richland )

Before me, Heidi J Schmieler a Notary Public in and for the said

County and State, this day personally appeared William B Vanhook

who being first duly sworn, deposes and says that (s)he is employed by

Exploration Drilling, that (s)he has read North Dakota

Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in

accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on

the attached documents are true.

William B Vanhook  
Hole Plugger Representative

Subscribed in my presence and sworn before me this 30 day of November, 2007.

Notary Public Heidi J Schmieler

My Commission Expires 07-15-2010



# GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
 OIL AND GAS DIVISION  
 800 EAST BOULEVARD DEPT 405  
 BISMARCK, ND 58505-0840  
 SFN 51459 (03 2005)



1) a. Company <b>Veritas DGC Land, Inc.</b>		Address <b>10300 Town Park Drive, Houston, TX 77072</b>	
Contact <b>Jeff Lund, permit agent</b>		Telephone <b>(512) 501-2164</b>	Fax
Surety Company <b>U.S. Specialty Insurance Company</b>		Bond Amount <b>\$50,000</b>	Bond Number <b>B000724</b>
2) a. Subcontractor(s) <b>Erickson Contract Surveying</b>		Address <b>333 10th Avenue SW., Sidney, MT5927</b>	Telephone <b>(406) 482-6606</b>
b. Subcontractor(s) <b>Exploration Drilling, Inc.</b>		Address <b>Rt.2, Box 2150, Sidney, MT 59270</b>	Telephone <b>(406) 482-3356</b>
c. Subcontractor(s)		Address	Telephone
3) Party Manager <b>Scott D. Nish</b>		Address <b>410 17th Street, Suite 1140</b>	Telephone <b>(303) 825-7400</b>
4) Project Name or Line Numbers <b>Tarpon 3-D</b>			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D) <b>Shot Hole</b>			
6) Approximate Drilling Start Date <b>November 1, 2006</b>		Approximate Completion Date <b>March 1, 2007</b>	

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

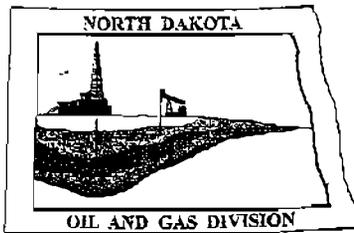
7) Location of Proposed Project - County <b>McKenzie</b>				
Section(s), Township(s) & Range(s)		Sec. <b>3-10 &amp; 15-18</b>	T. <b>152n.</b>	R. <b>97w</b>
		Sec. <b>22-27, 34-36</b>	T. <b>153n.</b>	R. <b>97w</b>
		Sec. <b>19 &amp; 30</b>	T. <b>153n.</b>	R. <b>96w</b>
		Sec.	T.	R.

8) Size of Hole <b>3 1/2"</b>	Amt of Charge <b>5 1/2 Lb.</b>	Depth <b>40'</b>	Shots per Mi (sq.mi.) <b>71</b>	No of Mi. (sq.mi.) <b>18</b>	Identifying Marks Used on Nonmetallic Plug			
					Geophysical ID <b>EDI</b>	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>Jeff Lund</i>		Title <b>Permit Agent</b>	Date <b>August 17, 2006</b>
(This space for State office use)		Conditions of Approval if any <i>See attached letter.</i>	
Permit No. <b>970117</b>	Approval Date <b>8-31-2006</b>		
Approved by <i>Scott L. Halsey</i>			
Title <b>Mineral Resources Permit Manager</b>			
County Approval Sent <b>McKenzie 8-31-06</b>			



# Oil and Gas Division

Lynn D. Helms - Director      Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

[www.oilgas.nd.gov](http://www.oilgas.nd.gov)

August 31, 2006

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

RE: Geophysical Exploration  
Permit # 97-0117

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 August 31, 2006 and will remain in effect for a period of one year.

Should you have any questions, please contact our office.

Sincerely,

Todd L. Holweger  
Mineral Resources Permit Manager

DCH/dh



# Oil and Gas Division

Lynn D. Helms - Director      Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

[www.oilgas.nd.gov](http://www.oilgas.nd.gov)

August 31, 2006

Mr. Jeff Lund  
Veritas DGC Land Inc.  
10300 Town Park Drive  
Houston, TX 77072

RE:    Geophysical Exploration Permits # 97-0117  
      Tarpon 3-D  
      McKenzie County, North Dakota

Dear Mr. Lund:

Please be advised that we are in receipt of your Geophysical Exploration permit and have conditionally approved your permit effective for one year from August 31, 2006. Please review the following conditions for your permit:

1. A pre-program meeting with state seismic inspector Tom Torstenson may be required. You must contact him at 701-227-7436 (w) or 701-290-1546 (cell) at least 24 hours prior to any exploration operations.
2. All variances for distance restrictions are to be furnished, and a pre-plot map displaying any source points that do not comply with the distance restriction rule must be supplied to the inspector.
3. The post plot map must show all water wells, buildings, underground cisterns, pipelines, and flowing springs that fall within the program area and within one half mile of the perimeter of the program.
4. If available, a SEG P1 with all source and receiver points should be made available to the Oil and Gas Division upon filing of the seismic completion report within 30 days of the completion of the program.
5. It is required that within seven days of initial contact between the permitting agent and the operator of the land, the permitting agent shall provide the operator of the land and each landowner owning land within one-half mile of the land on which geophysical exploration activities are to be conducted a written copy of section 38-08.1-04.1 and chapter 38-11.1. The permitting agent shall file an affidavit with this office confirming compliance with such notification.
6. The permit agent shall notify the operator of the land at least seven days before commencement of any geophysical exploration activity, unless waived by mutual agreement of both parties. The notice must include the approximate time schedule and the location of the planned activity.

Should you have any questions regarding this matter, feel free to contact me at 701-328-8037, or Tom Torstenson at the number listed in paragraph 1.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd L. Holweger", with a long horizontal line extending to the right.

Todd L. Holweger  
Mineral Resources Permit Manager