

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF OCEAN ENERGY MANAGEMENT

GULF OF MEXICO + ATLANTIC
(Insert Appropriate Regional Office)

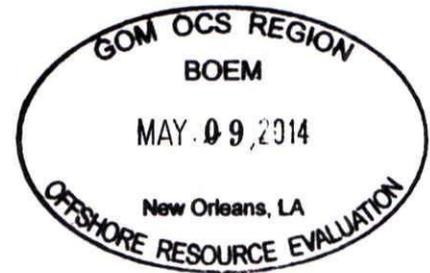
APPLICATION FOR PERMIT TO CONDUCT GEOLOGICAL OR GEOPHYSICAL
EXPLORATION FOR MINERAL RESOURCES OR SCIENTIFIC RESEARCH
ON THE OUTER CONTINENTAL SHELF

(Section 11, Outer Continental Shelf Lands Act of August 7, 1953, as amended on September 18, 1978,
by Public Law 95-372, 92 Statute 629, 43 U.S.C. 1340; and 30 CFR Parts 251 and 551)

MULTIKWENT INVEST AS
Name of Applicant
LILLEAKER VEIEN 4C, PO BOX 251, LILLEAKER
Number and Street
0216 OSLO, NORWAY
City, State, and Zip Code

Application is made for the following activity: (check one)

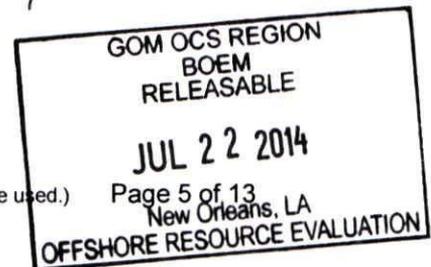
- Geological exploration for mineral resources
- Geological scientific research
- Geophysical exploration for mineral resources
- Geophysical scientific research



Submit: Original plus three copies, totaling four copies, which include one digital copy, and one public information copy.

To be completed by BOEM

Permit Number: E14-007 Date: 09-May-2014



A. General Information

1. The activity will be conducted by:

PETROLEUM GEO SERVICES
Service Company Name

For MULTIKLIENT INVEST AS
Purchaser(s) of the Data

15150 MEMORIAL DRIVE
Address

LILLEAKERVEIEN 4C, PO Box 251,
Address LILLEAKER

HOUSTON TX 77079
City, State, Zip

0216 OSLO, NORWAY
City, State, Zip

281 509 8451
Telephone/FAX Numbers

281 509 8113
Telephone/FAX Numbers

gary.morrow@pgs.com
E-Mail Address

david.lippett@pgs.com
E-Mail Address

2. The purpose of the activity is: Mineral exploration
 Scientific research

3. Describe your proposed survey activities (i.e., vessel use, benthic impacts, acoustic sources, etc) and describe the environmental effects of the proposed activity, including potential adverse effects on marine life Describe what steps are planned to minimize these adverse effects (mitigation measures). For example: 1) Potential Effect; Excessive sound level Mitigation; Soft Start, MMOs, mammal exclusion zone or 2) Potential Effect; Bottom disturbance; Mitigation; ROV deployment/retrieval of bottom nodes) (use continuation sheets as necessary or provide a separate attachment):

Potential effect: Excessive sound level. Mitigations: Soft start, MMOs, Mammal exclusion zone

4. The expected commencement date is: MAY 2015

The expected completion date is: OCTOBER 2015

5. The name of the individual(s) in charge of the field operation is:

Gary Morrow

May be contacted at:

PGS, 15150 Memorial Drive, Houston, TX 77079

Telephone (Local) 281 509 8451 (Marine) _____

Email Address: gary.morrow@pgs.com Radio call sign _____

6. The vessel(s) to be used in the operation is (are):

Name (s)	Registry Number(s)	Registered owners)
<u>RAMFORM VALIANT</u>	<u>IMO 9165023</u>	<u>P&S FALCON AS</u>
<u>THOR ALPHA (SUPPORT)</u>	<u>IMO 945 8559</u>	<u>THOR OFFSHORE.</u>

7. The port from which the vessel(s) will operate is: NORFOLK VA

8. Briefly describe the navigation system (vessel navigation only):

S-BAND + X-BAND RADAR;

K-POS AUTOPILOT; HEADING SENSOR; ECHOSOUNDER.

B. Complete for Geological Exploration for Mineral Resources or Geological Scientific Research

1. The type of operation(s) to be employed is: (check one)

(a) _____ Deep stratigraphic test, or

(b) _____ Shallow stratigraphic test with proposed total depth of _____, or

(c) _____ Other _____

2. Attach a page-size plat showing: 1) The generalized proposed location for each test, where appropriate, a polygon enclosing the test sites may be used, 2) BOEM protraction areas; coastline; point of reference; 3) Distance and direction from a point of reference to area of activity.

C. Complete for Geophysical Exploration for Mineral Resources or Geophysical Scientific Research

1. The type(s) of operation(s) to be employed is (are):

a) Acquisition method (OBN, OBC, Streamer): STREAMER

b) Type of acquisition: (High Resolution Seismic, 2D Seismic, 3D Seismic, gravity, magnetic, CSEM, etc.)

3D SEISMIC WITH GRAVITY

2. Attach a page-size plat showing:

a) The generalized proposed location of the activity with a representative polygon,

b) BOEM protraction areas; coastline; point of reference,

c) Distance and direction from a point of reference to area of activity.

3. List all energy source types to be used in the operation(s): (Air gun, air gun array(s), sub-bottom profiler, sparker, towed dipole, side scan sonar, etc.).

AIR GUN ARRAYS

4. Explosive charges will _____ will not be used. If applicable, indicate the type of explosive and maximum charge size (in pounds) to be used:

Type _____ Pounds _____ Equivalent Pounds of TNT _____

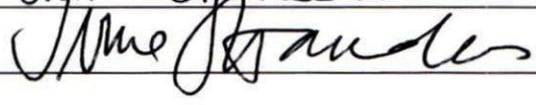
D. Proprietary Information Attachments

Use the appropriate form on page 9 for a "geological" permit application or the form on page 11 for a "geophysical" permit application. You must submit a separate Form BOEM-0327 to apply for each geological or geophysical permit.

E. Certification

I hereby certify that foregoing and attached information are true and correct.

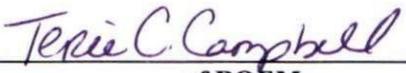
Print Name: SVERRE STRANDNES

SIGNED  DATE 5/16/2014

TITLE EXECUTIVE VICE PRESIDENT

COMPANY NAME: MULTIKLIENT INVEST AS

TO BE COMPLETED BY BOEM

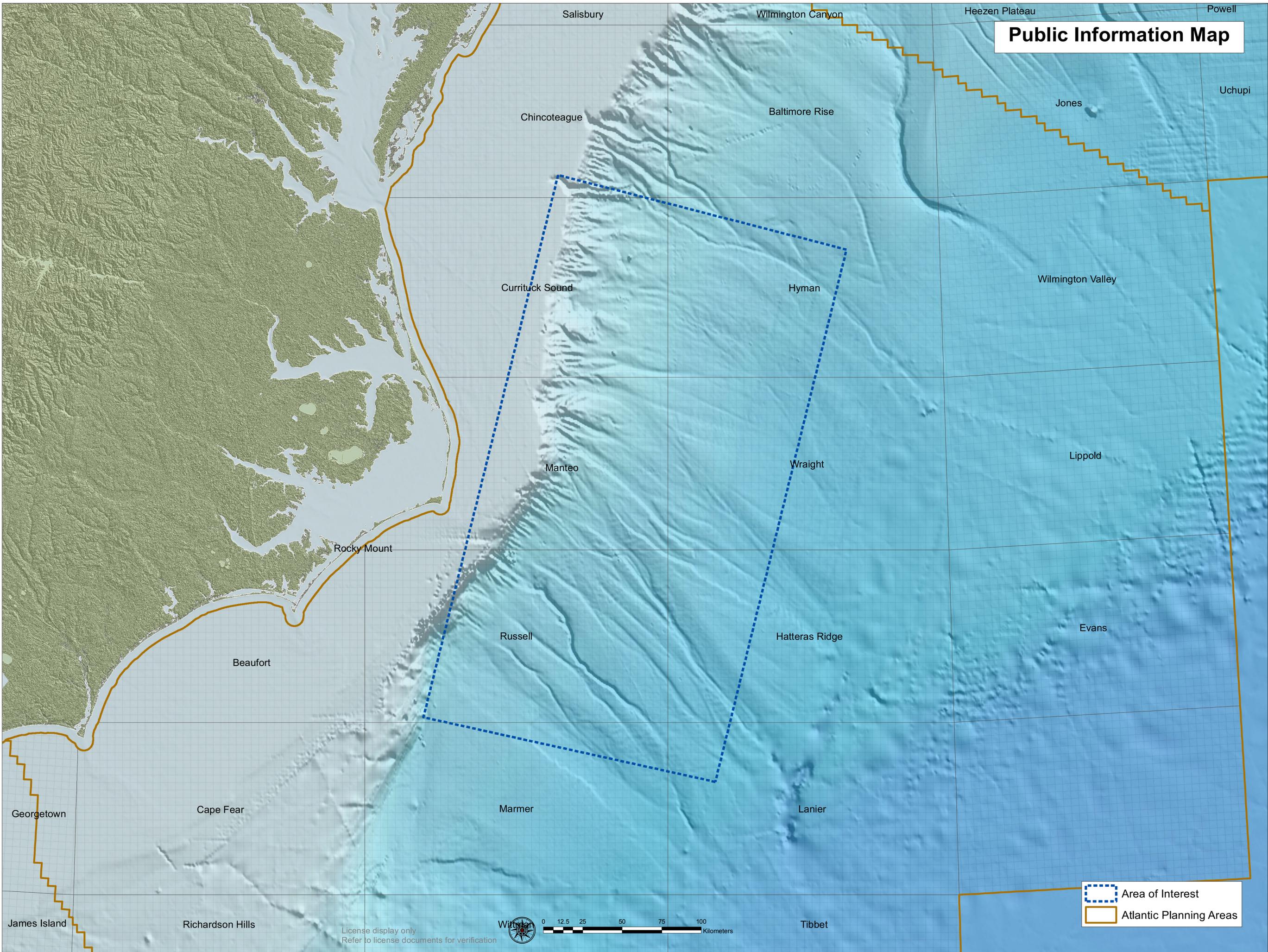
Permit No. E14-007 Assigned by  Date 15 May 2014
of BOEM

This application is hereby:

- a. Accepted
- b. Returned for reasons in the attached

SIGNED  TITLE Regional Supervisor DATE 5/19/14

Public Information Map



License display only
Refer to license documents for verification



- Area of Interest
- Atlantic Planning Areas