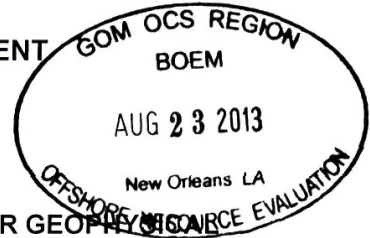


PUBLIC

Attachment 1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT

NEW ORLEANS  
(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)

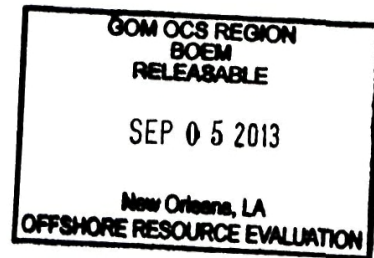
MULTI KLIENT INVEST AS  
Name of Applicant

LILLEAKERVEIEN 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: T13-004 Date: 27-Aug-2013

**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 4L  
Address

HOUSTON TX 77079  
City, State Zip

PO BOX 251 LILLEAKER, OSLO, NORWAY  
City State Zip 0216

281-509-8253  
Telephone/FAX Numbers

281-509-8451  
Telephone/FAX Numbers

Jack van zeelst@pgs.com  
E-Mail Address

gary.morrow@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)

Seasonic research vessel, no adverse effects, five single source arrays, mitigations in place to protect environment NTL regulations followed

4 The expected commencement date is OCTOBER 1, 2013

The expected completion date is JULY 15, 2014

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) PLEASE SEE

Email Address gary.morrow@pgs.com Radio call sign ATTACHMENT

6 The vessel(s) to be used in the operation is (are) see attached

Name(s)	Registry Number(s)	Registered owners
<u>Two (single source, 10 Streamer) vessels</u>	<u>3</u>	<u>5 total</u>
<u>Three (single source only) vessels</u>		
<u>one spare (single source only) vessel, 1 supply, 2 chase</u>		

7 The port from which the vessel(s) will operate is Galveston, Texas

8 Briefly describe the navigation system (vessel navigation only)  
Differential GPS

### 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 (GeoStreamer FAZ)

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

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 N/A Pounds N/A Equivalent Pounds of TNT N/A

**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 Strandenes

**Sverre Strandenes**  
Executive vice president

SIGNED

DATE

**19 AUG. 2013**

TITLE

COMPANY NAME:

**TO BE COMPLETED BY BOEM**

Permit No.

T13-004

Assigned by

Tereé Campbell  
of BOEM

Date

9/4/13

This application is hereby:

a.  Accepted

b.  Returned for reasons in the attached

SIGNED

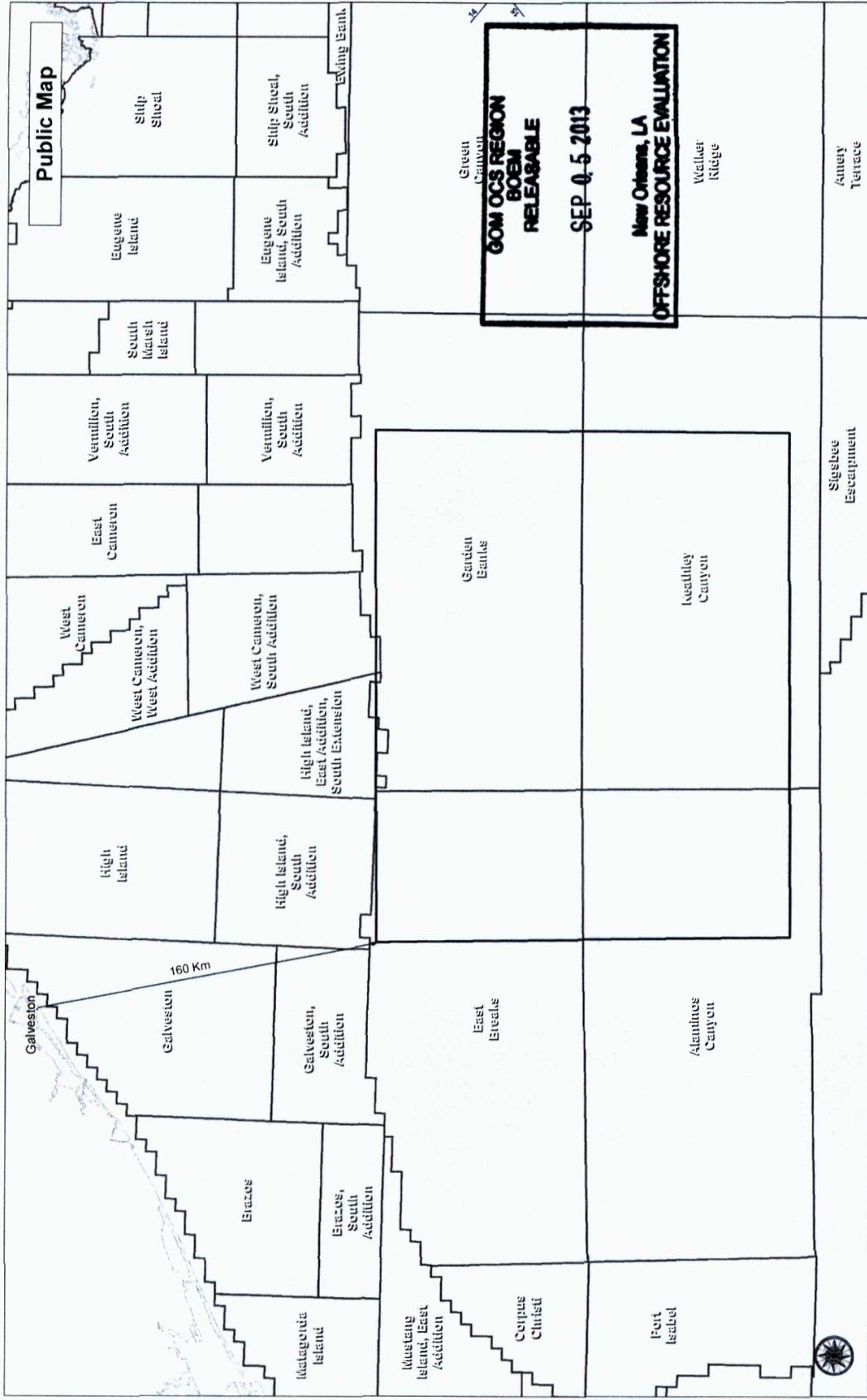
[Signature]

TITLE

Regional Supervisor

DATE

9/5/13



DATE FROM August 27, 2013

Area: GOM OCS