

# CANCELLED

E14-009

SpectrumGEO

2D w/ Gravity and Magnetics

Received 18-JUL-2014

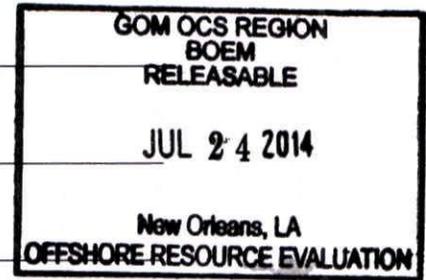
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT

Gulf of Mexico OCS Region  
\_\_\_\_\_  
(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)

Spectrum Geo Inc  
\_\_\_\_\_  
Name of Applicant  
  
16225 Park Ten Place  
\_\_\_\_\_  
Number and Street  
  
Houston, Texas 77084  
\_\_\_\_\_  
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.

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To be completed by BOEM

Permit Number: E14-009      Date: 21-Jul-2014

**A. General Information**

1. The activity will be conducted by:

To Be Determined	For	Spectrum Geo Inc
_____		_____
Service Company Name		Purchaser(s) of the Data
_____		_____
Address		16225 Park Ten Place
_____		_____
City, State, Zip		Houston, Texas 77084
_____		_____
Telephone/FAX Numbers		(281) 647 0602
_____		_____
E-Mail Address		Houston_ops@spectrumasa.com
_____		_____

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):

2D seismic survey with air gun array. (See attached Appendix 1 for mitigation measures)

4. The expected commencement date is: February 1, 2015

The expected completion date is: February 1, 2016

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

Knut Fostad / Mike Saunders

May be contacted at:

Spectrum Geo Inc / 16225 Park Ten Place / Houston, TX 77084

Telephone (Local) (281) 647 0602 (Marine) TBD

Email Address: mike.saunders@spectrumasa.com Radio call sign TBD

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

Name (s) TBD	Registry Number(s) TBD	Registered owners) TBD
_____	_____	_____
_____	_____	_____
_____	_____	_____

7. The port from which the vessel(s) will operate is: TBD (Various)

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

GPS with Integrated Navigation System  
(Spectra or equivalent)

### 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.)  
2D Seismic, Gravity and Magnetometer Data

\_\_\_\_\_

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.).

4,000 in3 to 4,920 in3 air gun array

Operating Pressure: 2,000 psi

4. Explosive charges will \_\_\_\_\_ will not X 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: Richie Miller

SIGNED *Richie Miller* DATE 17 July 2014

TITLE President

COMPANY NAME: Spectrum Geo, Inc

**TO BE COMPLETED BY BOEM**

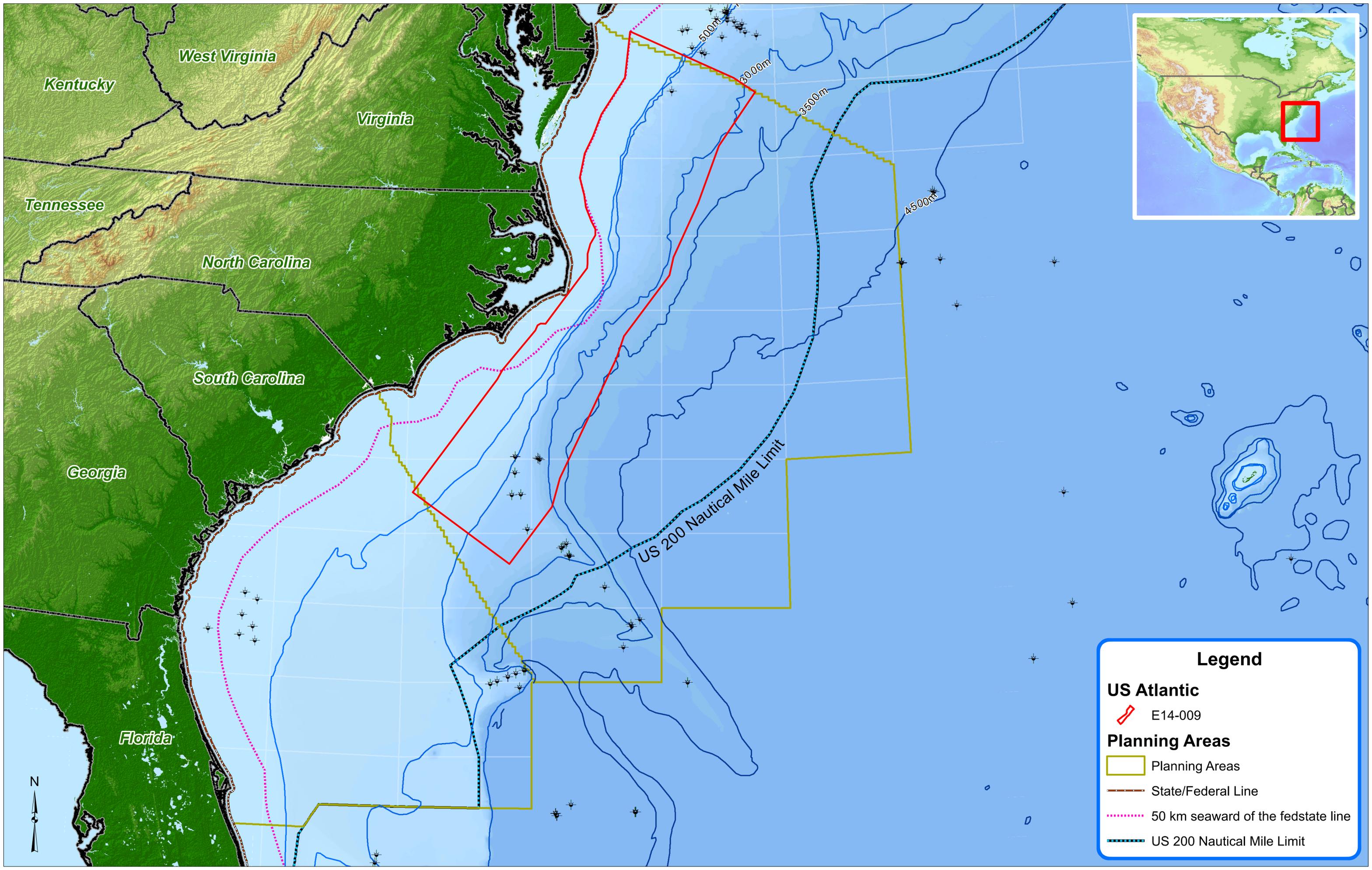
Permit No. E14-009 Assigned by W. Chad Vaughan Date 22-Jul-2014  
of BOEM

This application is hereby:

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



SIGNED *[Signature]* TITLE Regional Supervisor DATE 7-24-14



West Virginia

Kentucky

Virginia

Tennessee

North Carolina

South Carolina

Georgia

Florida

US 200 Nautical Mile Limit

500m

3000m

3500m

4500m



### Legend

#### US Atlantic

 E14-009

#### Planning Areas

 Planning Areas

 State/Federal Line

 50 km seaward of the fedstate line

 US 200 Nautical Mile Limit

