

Public

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)

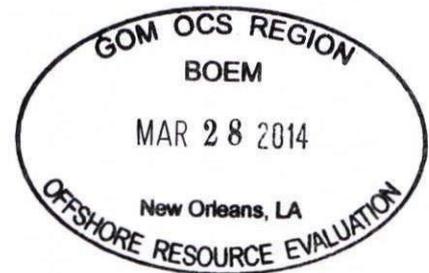
GX Technology Corporation
Name of Applicant

2105 City West Boulevard, Suite 900
Number and Street

Houston, TX 77042
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



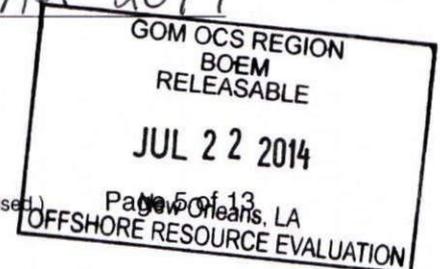
Submit: Original plus three copies, totaling four copies, which include one digital copy, and one public information copy.

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To be completed by BOEM

Permit Number: E14-003

Date: 03-Apr-2014



A. General Information

1. The activity will be conducted by:

<u>Cobra Energy Services</u> Service Company Name	For <u>GX Technology Corporation</u> Purchaser(s) of the Data
<u>10550 Bissonnet, Suite 100</u> Address	<u>2105 CityWest Blvd, Suite 900</u> Address
<u>Houston, TX 77099</u> City, State, Zip	<u>Houston, TX 77042</u> City, State, Zip
<u>713-728-6266</u> Telephone/FAX Numbers	<u>281-781-1026</u> Telephone/FAX Numbers
<u>marcusp@greyco.net</u> E-Mail Address	<u>dan.virobik@iongeo.com</u> 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):

2D Seismic Survey using a single airgun array source. No adverse effect on the environment. We follow the IAGC guidelines for marine mammal mitigation (plan includes soft starts for the source and onboard MMO's/PAM operators).

4. The expected commencement date is: November 1st, 2014

The expected completion date is: May 1st, 2015

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

Dan Virobik

May be contacted at:

GX Technology

Telephone (Local) 281-781-1026 (Marine) +1-480-765-2500

Email Address: dan.virobik@iongeo.com Radio call sign C6CZ2

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

Name (s)	Registry Number(s)	Registered owners)
<u>M/V Discoverer</u>	<u>711122</u>	<u>Shanghai Offshore Petroleum Bureau</u>
_____	_____	_____
_____	_____	_____

7. The port from which the vessel(s) will operate is: Norfolk, Va & Charleston, SC

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

Furuno GPS Navigator GP-150, Furuno 951 EchoSounder, Simrad AP50 Auto-Pilot, Simrad GC80 Gyrocompass.

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 Towed Magnetics.

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.).

Single Air Gun Array consisting of 4 gunstrings . see attachment for a more detailed description of the energy source to be used.

4. Explosive charges will _____ will not XX 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: Daniel Virobik

SIGNED Daniel Virobik **DATE** March 26th, 2014

TITLE Marine Operations Supervisor

COMPANY NAME: GX Technology

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TO BE COMPLETED BY BOEM

Permit No. E14-003 **Assigned by** Terece C. Campbell **Date** 10-Apr-2014
of BOEM

This application is hereby:

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

SIGNED [Signature] **TITLE** Regional Supervisor **DATE** 30-Apr-14

USAMSPAN v10

