<div align="center">

**EXAMPLE OF PREFERRED FORMAT**
**GEOPHYSICAL DATA AND INFORMATION STATEMENT (GDIS)**

</div>

**Complete the GDIS form by: 1) Providing contact information; 2) Checking Option A and/or Option B; 3) Identifying the Area/Block(s) for the Option chosen; 4) Having a company official sign the document; and 5) Submitting the document to the Bureau of Ocean Energy Management (BOEM).**

**For all blocks listed, identify each survey (Proprietary and Reprocessed Speculative) that was used to evaluate the Sale block(s) in the attached example spreadsheet and provide the requested metadata.**

| Primary Company Contact | Alternate Company Contact |
|---|---|
| Name: | Name: |
| Title: | Title: |
| Company Name: | Company Name: |
| Street Address: | Street Address: |
| City:                      State: | City:                      State: |
| Zip Code: | Zip Code: |
| Phone Number: | Phone Number: |
| Email: | Email: |

_____A. (Company Name and BOEM Qualification Number) used proprietary data, reprocessed speculative data and/or any CSEM, Gravity or Magnetic data to evaluate the following block(s) bid upon in OCS Lease Sale   Number _____

AREA/BLOCK: _____


_____B. (Company Name and BOEM Qualification Number) used speculative data to evaluate of the following block(s) bid upon in OCS Lease Sale Number_____.

AREA/BLOCK: _____


**Signature of Company Official**                    **Company Address**

Signature:_____                Company Name:_____

Name (Print):_____                Address:_____

Title:_____                City:_____

Date:_____                State/Zip:_____

Example of Spreadsheet

**Geophysical Data and Information Statement Table\***

BOEM requests that the following table be submitted digitally.

• NOTE: The GDIS Table may be submitted digitally as an Excel worksheet on a CD or DVD. While formatting is generally not critical, ALL columns shown above must be included and in the same order.

| Block Bid On | | Original Speculative or Proprietary Data Set | | | | | | Your Reprocessed Data Set | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | Block | Is data Proprietary or Speculative | Data type (2D/3D PSDM, Gravity, AVO, CSEM, Magnetic data, etc.) | Migration Algorithm Used (Kirch, WEM, Beam, RTM, etc) | Owner of Original Data Set (Western, CCG, etc) | Original Industry Survey Name for Dataset (Crystal WATs, E-Octopus, etc) | BOEM Permit Number | Live Survey Coverage (2D miles, 3D blocks) | Data Size in Giga Bytes | If Data was reprocessed, by whom (in-house or contractor name) | Date Final Reprocessing Completed (Mo/Yr.) | If data was sent to BOEM previous to current sale list date |
| AC | 115 | Spec | 3D PSDM | RTM | Western | E-Octopus 8 (fast track) | T09-009 | 287 blks | 80 GB | | In-progress | N/A |
| EB | 590 | Spec | 3D PSDM | RTM | PGS | Crystal Ph. 3 | T09-018 | 110 blks | 40 GB | N/A | Nov. 2011 | N/A |
| EB | 734 | Prep | 3D PSDM | KIRCH | CGG | EB1 | T99-011 | 100 blks | 32.6 GB | In-house | June 2010 | N/A |
| KC | 244 | Prep | 3D PSDM | VTI RTM | CGG | GB Waz Ph. 1 | T07-021 & L08-083 | 25 blks | 13.5 GB | CGG | Nov. 2011 | WCD 01/01/12 |

## Definitions in order of appearance:

**Primary Company Contact** and **Alternate Contact** should be someone: 1) *knowledgeable about the data sets* identified as used in evaluating the block(s); 2) in a position to provide *additional information* about the data upon BOEM request; 3) able to expedite the delivery of the information/data; and 4) available up to 30 days after the sale date. This the individual can be contacted for information in regards to data used and any other pertinent questions relating to the evaluation of the Sale block(s) in question. This includes seismic, CSEM, gravity & magnetic, AVO data, etc. This is also the person whom BOEM would contact if there is a problem with the submitted GDIS or requested data (e.g., incorrect machine code format, I/O error, etc.).

**Alternate Contact** would be company representative that would be available should the Primary Contact not be available to answer questions listed above.

**Area** means the OCS Protraction Area of the block bid upon in the sale.

**Block** means the OCS block bid upon in the sale

**Company Official** means an official in accordance with signatory authorization on file in BOEM Gulf of Mexico Region Adjudication Unit.

**Company Address** means the official mailing <u>street address</u>, city, state, and zip code of the "Company Official" above or the address where the BOEM data requisition should be sent.

## GDIS Table Definitions

**Area** means the OCS Protraction Area of the block bid upon in the sale.

**Block** means the OCS block bid upon in the sale

**Dataset Size** refers to the SEG-Y file size in Gigabytes.

**Live Survey Coverage** means the number of line miles of 2D or the number of blocks of 3D data that comprise the data set identified.

**Date Processing Completed** (MO, YR) this means the month and year that the processing was completed. If the data has been reprocessed the date should be that for reprocessing the data. If the month is not known list the year.

**Data Type** means the data description: 2-D or 3-D, pre-stack or post-stack, time or depth, amplitude with offset (AVO), inversion, CSEM, gravity, etc.

**Migration Algorithm Used** means the type of migration (e.g., Kirchhoff, beam, wave equation, reverse time migration, etc).

**Owner of Original Data** means the company that acquired and processed the original data set. Indicate if the original data is proprietary to your company or if it is a speculative survey purchased from the company who originally acquired and processed the data.

**Original Industry Survey Name** means the name of original survey.

**Permit Number** means the OCS permit number assigned by BOEM when the original survey was first acquired. *This number can be obtained from the data owner.*

**Proprietary Data Type** is any data that was soli acquired by an E&P Company or Speculative Data that has become proprietary through reprocessing. Any Speculative data such as 2-D or 3-D, pre-stack or post-stack, time or depth, amplitude with offset (AVO), inversion, CSEM, gravity and magnetic data that has been modified or changed from its original processing would be considered proprietary due to the proprietary processing.

**Speculative Data Type** is data that is available for purchase from a vendor for anyone; the original data "right out of the box".

**Reprocessing** is the alteration of the original seismic data to suppress noise, enhance signal and migrate seismic events to the appropriate location in space. Other types of data may also be reprocessed including gravity, magnetics, CSEM, etc., to improve the data quality.

**Reprocessed Data** refers to the <u>final version of the reprocessed data</u> used in evaluation for OCS block(s) bid upon.

**Reprocessing Company** means the party who reprocessed the data set identified under Data Type. *If the data was reprocessed internally, please answer "In-House". If the data was reprocessed by an outside vendor, please name the company that reprocessed the data.*

**Data Sent to BOEM** means BOEM has an identical copies of data used in the geophysical evaluation of the current lease block. Please indicate the date of transfer to BOEM and the associated sale number. Data may also have been sent to BOEM for a WCD or for the express purpose of re-evaluating reserves calculations.

If you have any questions, please contact Dee Smith at (504)-736-2706 or John Johnson at (504)-736-2455.

Envelope

Geophysical Data and Information Statement for Oil and Gas Lease Sale 216/222

Company Name

GOM Company Qualification Number #####

Proprietary Data

Envelope for U.S. - Mexico Maritime Boundary Block

Geophysical Data and Information Statement for Oil and Gas Lease Sale 216/222

Company Name

GOM Company Qualification Number #####

Proprietary Data

**U.S. – MEXICO MARITIME BOUNDARY BLOCK**