



## **Consider donating a dataset to the AAPG/ IBA Program!**

With over 100 participant schools from every part of the world, the AAPG Imperial Barrel Award (AAPG/IBA) tests a team's ability to analyze and promote their understanding of play and prospect elements using real industry data. The AAPG IBA Committee strives to keep each team's assigned dataset fresh every year (not one seen or used in the recent past) and from someplace unfamiliar. As a result, the committee will retire some datasets and is always in need of fresh data sets to keep the program going.

The program can use datasets from anywhere in the world. The committee would especially like to add problems from Africa, South America, and Asian regions to improve our geographic diversity. The participants could also be challenged by datasets that might include different types of data, like shear or converted wave data, or from Resource plays for example.

Please consider donating a dataset that you own. The AAPG/IBA program recognizes the donor of each donated dataset as a Diamond-level sponsor in the year that the donation is made and a Gold-level sponsor as long as the data set is in use. Please contact Mike Mylnek at AAPG Headquarters, [mmlynek@aapg.org](mailto:mmlynek@aapg.org) or 918-560-2653, for more information.

## **Imperial Barrel Award Program -- Data Sets**

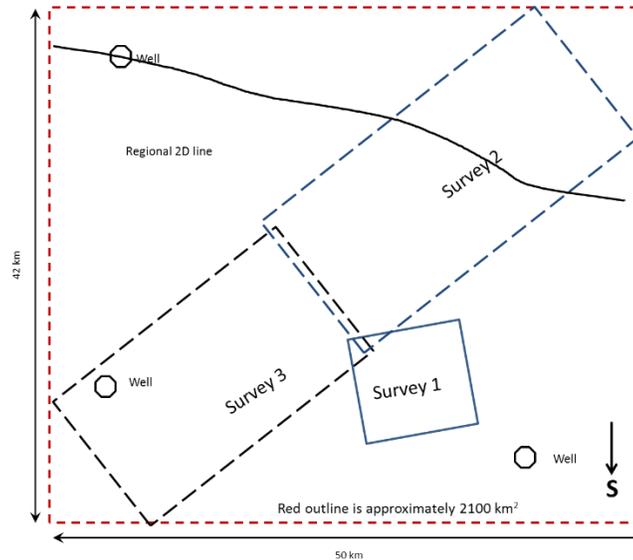
The most critical aspect for the future of the IBA program is the availability of petroleum industry datasets. If the IBA is to be sustainable, relevant, and exciting in the long term, new data sets are needed to keep the program fresh. Contributed data sets are used for educational applications only, and will be used by student teams in universities around the world. Industry support is urgently and continuously needed to ensure the long-term sustainability of the Imperial Barrel Award Program.

The IBA Committee would like to develop a library of regional subsurface datasets that are representative of different basin types worldwide, with variable types of petroleum plays. The typical IBA dataset consist of one or more 3D data sets or a regional set of 2D lines/survey(s), wells, and additional information supplied by the donor.

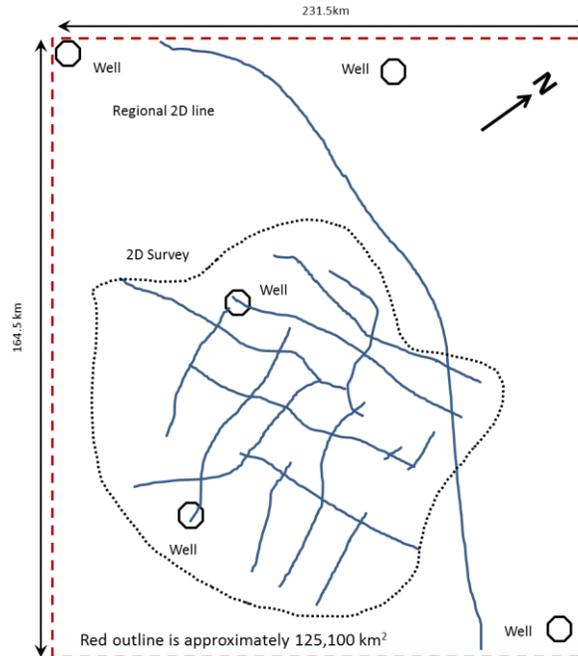
The key requirements for suitable IBA datasets are that they be regional in scope and, ideally, relatively poorly known in terms of their subsurface geology and hydrocarbon potential. Datasets from already discovered, major hydrocarbon accumulations are much less suitable than those from under-explored or frontier basins. The datasets should be technically challenging and geologically interesting.

**Concept:** The data set is provided to the students under the guise of a Farm-in opportunity ([IBA Rules and Operational Procedures](#), page 2). Teams are expected to analyze the data and return to their management with a recommendation based on the data provided. The Rules and Operational Procedures (R&OP, Section 6, page 8) provide the students with guidelines.

- **Area Size:** will vary pending the seismic survey and well data made available. Currently used projects encompass areas from 900km<sup>2</sup> to 300,000km<sup>2</sup> in extent.



3D Data Set Example



2D Data Set Example

- **Surveys:**
  - 3D: 1 to 3, depending on survey extent and how they relate to each other and area dimensions. Survey sizes have varied from 200km<sup>2</sup> (when combined with regional 2D lines) to 1,000km<sup>2</sup> to 1,200km<sup>2</sup> (when looking at single 3D surveys).
  - 2D: 1 or more 2D surveys can be used separately or in combination with 3D surveys depending on well locations. Extensive regional lines have been incorporated into single projects. The number of lines in a 2D survey varies within the current projects. When donating only 2D data, the committee asks that a sufficient number of lines be included to work with the exploration concept.

Data should be in SEG Y Rev0 format and accompanied by load sheet information. Navigation information for 2D data can be in trace headers or in a separate ASCII file.

- Wells and Well Logs: 2 to 20 wells depending on well density and location; whatever logs are available with/for those wells; the IBA Technical Committee may check the public domain to supplement available curves if so desired. Well and well log usage will be determined each year by the Data Sub Committee so that teams can be challenged in their evaluation.
  - Well locations in an ASCII file
  - Directional surveys for deviated wells in ASCII format
  - Log curves in digital LAS 2.0 format.
- **Key well tops:** whatever formation tops can be provided. The IBA Technical Committee may check public domain for tops if they cannot be provided.
- **Miscellaneous:** core data; DST or Formation or production test data; image logs, dip meter logs; paleo data; scout tickets; gravity or magnetic data; etc.
  - **Data Usage guidelines:** The “rules” governing data usage by participating teams/schools are outlined in the [Rules and Operational Procedures](#) Section 5 (pages 7 & 8).
  - **Donors** will be acknowledged at all Imperial Barrel Award functions, both in the Regions and Sections qualifying competitions and at the Global Finals competition as a Diamond-level sponsor in the year that the donation is made. They will be recognized as a Gold-level sponsor as long as the data set is in use (<http://iba.aapg.org/Portals/0/docs/iba/IBA2017-Sponsorship.pdf>).
  - If the set is donated during the event year, the donor will be recognized in the next event’s year. If multiple data sets are donated in a single year, the Diamond-level sponsorship will be recognized in a following year for each additional data set donated.
- **Contact:** Please contact Mike Mlynek ([mlynek@aapg.org](mailto:mlynek@aapg.org)) for further information, to donate a data set, or with any questions that you may have about data set donations.

## NOTE TO DONORS:

All data sets used in the IBA event can remain with participating schools as teaching tools as long as they have participated in their Section/Region competition. Schools withdrawing from any year’s contest before their semi-final competition must remove that year’s data set from their systems.

Donated data sets are stored at the AAPG FTP server. The data is backed up at a secure offsite location. At any one time (excluding sets now residing at participating schools), AAPG will have three copies of the data set in existence:

1. On the AAPG FTP Server
2. At the secure backup location
3. On a secured portable hard drive at AAPG headquarters

Retired data sets are stored on a portable hard drive or high capacity flash drive at AAPG headquarters.

We would like to donate data sets in support of the AAPG IBA Program:

3D Survey: \_\_\_\_\_ Area: \_\_\_\_\_

2D Survey: \_\_\_\_\_ Number of lines: \_\_\_\_\_

Area: \_\_\_\_\_

Wells and well information:

Number of wells: \_\_\_\_\_ Number of logs: \_\_\_\_\_

Additional Information: