



# GRAVITY AND MAGNETICS IN OIL AND GAS EXPLORATION

## A 1-Day Introductory Course for Geologists

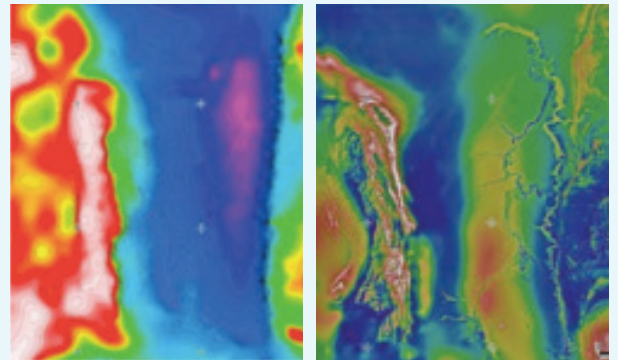
Free and inexpensive gravity and magnetic survey coverage is rapidly expanding worldwide. This introductory course aims to enlighten you about ways these data can be integrated with your seismic data to de-risk your prospects and aid informed exploration decisions. The strengths and limitations of potential field methods are discussed and several 'hands-on' exercises are included.

### WHO SHOULD ATTEND

- Personnel involved in project evaluation
- Management responsible for cost-effective exploration

### COURSE OUTLINE

- **GRAVITY & AIRBORNE GRAVITY GRADIOMETRY** – Basic physics, acquisition costs and specifications, processing methods and geological resolution
- **MAGNETICS** – Basic physics, acquisition costs and specifications, processing methods, depth estimation and geological resolution
- **INTEGRATION AND INTERPRETATION** – Observation methodology, modelling and inversion, seismic reconciliation
- **PETROLEUM CASE STUDIES AND EXERCISES**



**PRESENTERS:** David Isles - An expert in ground and airborne gravity, gravity gradiometry and magnetic surveys, with over 35 years' experience. He has worked in onshore and offshore basins, mainly in Australia and Papua New Guinea.

Bruce Craven - Has broad experience in exploration and consulting spanning 40 years. Bruce has completed major projects for oil exploration in Australia and overseas.

Anne Tomlinson - specialises in the qualitative and quantitative interpretation of gravity and magnetic data. She has worked on oil and gas exploration projects in offshore and onshore settings in Papua New Guinea and East Africa, as well as mineral exploration projects worldwide.

**VENUE:** Southern Geoscience Consultants  
SGC Boardroom  
39 Richardson Street, West Perth, Western Australia

**TIME:** 9AM - 5PM

**COST:** AU\$960 per person (+GST) - Lunch and morning/afternoon tea provided

**ENQUIRIES:** Sharon Lowe - sharon@sgc.com.au

### FOR FURTHER INFORMATION PLEASE VISIT OUR WEBSITE

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