



Australian Government

Department of Industry
Tourism and Resources

2007 RELEASE OF AUSTRALIAN OFFSHORE PETROLEUM EXPLORATION AREAS

DATA – AREA NT07-2 MONEY SHOAL BASIN RELEASE AREA

Public access to exploration data in Australia, including digital seismic tapes, well reports and core and cuttings samples is a result of legislation that initially subsidised exploration in return for lodgement and public availability of the data. When the subsidy was removed the requirement that data be lodged with government and made available for future exploration continued.

These open-file reports, data and down-hole samples are available from Geoscience Australia (GA), Canberra and the Northern Territory Department of Primary Industries, Fisheries and Mines (DPIFM), Darwin.

Geoscience Australia, Australia's national geoscientific information agency, also undertakes regional basin studies, assessments of hydrocarbon resources and provides geoscientific data and reports in support of acreage release rounds.

Geoscience Australia is currently establishing a Data Room where specific seismic and well data relevant to current acreage release rounds can be viewed. Appointments to visit this Data Room or to meet with Geoscience Australia officers can be made by contacting Jenny Maher, Petroleum Promotion Co-ordinator, phone 61(0) 2 62499111, e-mail jenny.maher@ga.gov.au

Additional information on the Data Room or Geoscience Australia products that support the 2007 release areas can also be obtained from the Geoscience Australia Acreage Release webpage, http://www.ga.gov.au/oceans/ss_Acreage.jsp

Packages of specific seismic data relevant to the 2007 acreage release area are available in either Geoquest, Kingdom or Landmark format. Digital Well Completion Reports and digital Well Logs (in original format) for specific wells are also available in packages relevant to the 2007 acreage release areas. These data can be ordered through the Geophysical and Geological Data Repository, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au

Available data relevant to the 2007 release areas in the Money Shoal Basin are listed below.

WELL DATA

Well Completion Reports – NT07-2, Money Shoal Basin

Well	Operator	Year
Cobra 1	BHP Petroleum Pty Ltd	1993
Cobra 1A	BHP Petroleum Pty Ltd	1993
Kulka 1	Diamond Shamrock Oil Company (Australia)	1984
Money Shoal 1	Shell Development (Aust.) Ltd	1971
Tuatara 1	BHP Petroleum Pty Ltd	1990

Analysis Reports – NT07-2, Money Shoal Basin

Well	Report No	Report Title	Company	Year
Kulka 1	DAR0715	Biostratigraphic (micropaleo) analysis of the Bathurst Island group, WA.	BHP Petroleum	1988
Kulka 1	DAR0717	Biostratigraphic (Palynology) analysis of three NT offshore wells.	BHP Petroleum	1989
Kulka 1	DAR0719	Organic geochemical analyses of seven Arafura and Bonaparte Basin wells.	BHP Petroleum	1989
Kulka 1	DAR0724	Palynological Analysis of Kulka -1 Money Shoals -1 and Tasman -1	BHP Petroleum	1989
Money Shoal 1	DAR0340	Geochemistry and significance of coastal bitumen from South and North Australia.	Dept of Nat Dev	1976
Money Shoal 1	DAR0715	Biostratigraphic (micropaleo) analysis of the Bathurst Island Group, WA.	BHP Petroleum	1988
Money Shoal 1	DAR0717	Biostratigraphic (Palynology) analysis of three NT offshore wells.	BHP Petroleum	1989
Money Shoal 1	DAR0719	Organic geochemical analyses of seven Arafura and Bonaparte Basin wells.	BHP Petroleum	1989
Money Shoal 1	DAR0724	Palynological Analysis of Kulka -1 Money Shoals -1 and Tasman -1.	BHP Petroleum	1989
Money Shoal 1	DAR1194	A Fluid Inclusion Study of the Arafura Sea rocks.	Japan National Oil Corp	1997

Contact Geoscience Australia's Repository for more information regarding access to well completion and analysis reports, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au

SAMPLES

Cores and Cuttings – NT07-2, Money Shoal Basin

Well	Type	Top (m)	Bottom (m)	Comment
Cobra 1A	Cuttings	360	2542	
Kulka 1	Cuttings	460	3999	
Money Shoal 1	Core	2586.23	2590.19	Continuous core
Money Shoal 1	Cuttings	329.18	2587.75	Original depths in feet
Tuatara 1	Cuttings	720	3862	Washed and dried samples

Contact Geoscience Australia's Repository for more information or to arrange access to core and cuttings, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au.

GEOPHYSICAL DATA

Relevant Seismic Surveys – NT07-2, Money Shoal Basin

Vintage	Survey	Operator	Uno	Processed	Field
1965	Arafura Sea Seismic	Shell Co of Australia	S8660026	No	Yes
1966	Lynedoch Bank Seismic	Shell Dev (Aust)	S8660108	No	No
1966	Money Shoal Seismic	Shell Dev (Aust)	S8670058	No	Yes
1969	Arafura D2 Seismic	Shell Dev (Aust)	S8690063	No	Yes
1969	Arafura D3 Marine Seismic and Magnetic	Shell Dev (Aust)	S8690007	No	Yes
1971	Arafura Sea D4 marine Seismic	Shell Dev (Aust)	S8710001	No	Yes
1981	NT/P34 DS-81 Marine Seismic	Diamond Shamrock Oil Co	S8810004	No	Yes
1988	HA88A Marine Seismic	BHP Petroleum	S8880008	Yes	Yes
1989	HA89A Marine Seismic	BHP Petroleum	S8890017	Yes	Yes
1990	AGSO Marine Survey 94	AGSO	S8900017	Yes	Yes
1990	HA90A Marine Seismic	BHP Petroleum	S8900011	No	Yes
1991	HA91A Marine Seismic	BHP Petroleum	S8910009	No	Yes
1993	AGSO Marine Survey 118, Malita	AGSO	S0930001	Yes	Yes

Contact Geoscience Australia's Repository for more information regarding access to seismic data, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au.

PRODUCTS

Geoscience Australia Reports/Products - NT07-2, Money Shoal Basin

New Reports/Products

- An audit of wells in the Arafura Basin. GA Record 2006/02.
- New Datasets for the Arafura Basin. GA Record 2006/06.
- Petroleum Geology of the Arafura Basin. GA Record 2006/22.
- Shallow gas and benthic habitat mapping, Arafura Sea. RV Southern Surveyor May – June 2005, Post Cruise Report. GA Record 2006/19.

Other Reports/Products

- Arafura Petroleum Prospectivity Evaluation Report. AGSO Record 1992/84.
- BP MkII ALF Arafura Sea, Australia: Airborne Laser Fluorosensor Survey, Reprocessing and Interpretation Report. GA Record 2001/22
- Potential Field and Bathymetry Grids. Geocat No's. 38713 (Bathymetry), 38820 (Magnetics) and 47696 (Gravity).
- The geology of Arnhem Land, Northern Territory. BMR Record 1992/55.

Contact Geoscience Australia's Sales Centre for more information or to order these reports or products, phone 61 (0)2 6249 9966, e-mail sales@ga.gov.au

OTHER DIGITAL DATA

AMSIS

The Australian Marine Spatial Information System (AMSIS), a recent release from Geoscience Australia, is an on-line mapping and decision support tool that presents a vast array of Commonwealth interests in Australia's marine jurisdiction. With the cooperation of other Government and private sector agencies, this system integrates administrative boundary information including petroleum leases with scientific data against other background data such as bathymetry.

AMSIS is easy to use and provides access to data via a web browser for those interested in the marine environment without the need for specialised software or mapping skills. AMSIS not only displays 'what's out there', but also allows users to query the information, view metadata, and conduct more advanced functions such as return the nearest distance from a point to a nominated boundary.

AMSIS can be found on the web at: www.ga.gov.au/amsis

AUSTRALIAN GEOLOGICAL PROVINCES DATABASE

The Australian Geological Provinces Database provides interpretive data on Australia's sedimentary, igneous, metallogenic, structural and metamorphic provinces. The database has been jointly developed and populated by the Onshore Energy and Minerals Division of Geoscience Australia, which is concentrating on onshore geological provinces, and the Petroleum and Marine Division, which is capturing data for offshore sedimentary basins. The database provides the mapped extent of Australia's geological provinces, and includes attributes such as size, water depth, tectonic setting, age, sediment thickness, main rock types, depositional environments, main resources, key references, and relations to other geological provinces. It also includes an overview of the geology, exploration status, and petroleum system elements of each province.

The Australian Geological Provinces Database is available online. Access to the database is provided through the Geoscience Australia website using an interactive mapping system, at www.ga.gov.au/oracle/provinces/

The interface allows users to view and select provinces of interest based on their key attributes, and to add key map layers (exploration data, surface geology, images, bathymetry). Database extracts are provided as an html report, and include links to key images (structural element maps, regional cross-sections, stratigraphic and petroleum system charts).

This database interface provides explorers with basic geological information on all offshore sedimentary basins, and many of their component sub-basins, along Australia's continental margin.

NATIONAL PETROLUUM WELLS DATABASE

Geoscience Australia's geological databases provide detailed open file header data, biostratigraphic data, organic geochemical data, reservoir and facies data, interpreted depositional environment information and directional survey data. These data have been extracted from open file Well Completion Reports or are the results of Geoscience Australia studies. These data can be accessed via the following paths:

- Download data for wells relevant to the 2007 Acreage Release areas directly from Geoscience Australia's databases.
http://www.ga.gov.au/oracle/apcrc/ar_list.jsp

- Search page allowing access to all open file wells for the above datasets.
<http://dbforms.ga.gov.au/www/npm.well.search>

- Static file compiled from the Geoscience Australia databases in December 2006. This file is intended for clients without facility to download web data. Data may have been added to the databases after this file was compiled. Clients are encouraged to use the above web download sites in preference to this static file. **Money Shoal Basin.zip**

Please contact **sales@ga.gov.au** with any technical problems using the web pages listed above. For technical information on these data contact David Rowland, Petroleum Database Manager, phone 61 (0)2 62499111, e-mail **David.Rowland@ga.gov.au**