

Sarah Thompson, MSc

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Career Outline

Employment: **October 2013 – present: Cambridge Carbonates Ltd., UK:** Geologist.

Education: **2012 – 2014:** MSc: Applied and Petroleum Micropalaeontology: Microfacies analysis and biostratigraphy of Late Cretaceous carbonates from Mexico. (*University of Birmingham*).

2006 – 2010: B.Sc. (Hons.) Geology (*University of Edinburgh*).

Core skills

- Microfacies analysis of carbonates
- Biostratigraphy and palaeoecology of large benthic foraminifera
- CoreCAD, Petrog, Petrel, IC software
- ArcGIS for desktop part 1.

Professional Experience

2013 – present: Geologist, Cambridge Carbonates Ltd., UK.

- Microfacies analysis and biostratigraphy of Paleogene and Neogene carbonates from Kurdistan, Iraq.
- Microfacies analysis of Early Cretaceous carbonates and siliciclastics from the Congo.
- Microfacies analysis, sedimentology and depositional model of development wells for ongoing revision of Antelope and Triceratops reservoir model, PNG.
- Review of biostratigraphy and depth zonation of Cretaceous planktonic foraminifera, Mexico.
- Microfacies analysis and sedimentology of Zechstein carbonates and evaporites in exploration wells, UK sector, North Sea.
- Microfacies analysis, point-counting and diagenesis of Carboniferous carbonates and clastics from the Barents Shelf.
- Microfacies analysis and biostratigraphy of Ratawi shale and limestone, Raudhatain Field, Kuwait.
- Microfacies analysis, depositional model and diagenesis of Jurassic carbonates, Mexico.
- Cuttings thin-section analysis and biostratigraphy of Viséan, Carboniferous carbonates from Australia.
- Point-count analysis of Cretaceous Mauddud carbonates, Kuwait.
- Review of literature and selection and compilation of SCAL and reservoir engineering data on: Precambrian, Cambrian and Devonian carbonate reservoirs in the Lena-Tunguska Basin, Russia; Cretaceous and Jurassic carbonate reservoirs in the Rub'Al Khali Basin, Abu Dhabi; Cretaceous carbonate reservoirs in the Oman Basin, Oman; Cretaceous, Eocene and Palaeocene carbonate reservoirs in the Central Arabian Foreland Basin, Kuwait; and Eocene carbonate reservoirs in the Pelagian Basin, Tunisia, for input into client's database.
- Updating a report on the hydrocarbon geology of Papua New Guinea, incorporating in-house knowledge of fields in the area. Updated sections of the report included the geological setting, stratigraphy, source

rocks, reservoirs and seals, and additional sections incorporated into the report included the microfacies, diagenesis and reservoir quality of carbonate reservoirs, and the future potential of fields in the region.

- Semi-quantitative analysis of scanned thin-section images from various Cretaceous wells in the West Qurna Field, Iraq.
 - ArcGIS work includes: georeferencing oil and gas field maps from Michigan and the Zagros Fold and Thrust Belt Iran, editing and creating shapefiles, annotating maps, creating hyperlinks, displaying statistical data, working with Model Builder. Palaeogeographic maps of the Regions worked on include the Arabian Plate and Mexico.
 - Loading well data into Petrel by importing ASCII, DLIS and LAS files.
 - Use of CoreCAD to produce core logs.
 - Importing data into IC.
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Professional Affiliations and Education

The Micropalaeontological Society.

2012 – 2014: MSc: Applied and Petroleum Micropalaeontology: Microfacies analysis and biostratigraphy of Late Cretaceous carbonates from Mexico. (*University of Birmingham*)

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