

CV- Mike Hardwicke

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British national with forty years of experience as an Oil Company & Consultant Geologist.

International experience in numerous basins including those in the UK North Sea, the Middle East, and SE Asia. Twenty five years of specialisation in Development and Production Geology;

Fifteen years of experience in Geo-modelling;

Technical expertise includes Development and Production Geology, Geo-Cellular Modelling (RMS and Petrel) and Probabilistic Volumetric Reserves Evaluation;

Key Areas of Expertise

- Appraisal and Development Geology
- Geo-modelling using Petrel and (formerly) RMS
- Volumetric Reserves Analysis and Reporting
- Reservoir Characterisation through Core and Logs
- Monte Carlo & Uncertainty Analysis
- Wellbore Planning
- Field Development and Volumetric Reserves Authorship

Professional Experience

OCT 2014 TO OCT 2015- Senior Geological Advisor II- Baker Hughes International RDS, Malaysia

MARCH 2014 TO OCT 2014 Senior Development Geologist & Geo-modeller- GDF Suez, London

JUL 2011 TO OCT 2013 Senior Development Geologist & Geo-modeller- Dong Energy, Stavanger

JAN 2010 TO JUN 2011 Associate Development Geologist & Geo-modeller- Knowledge Reservoir, UK

NOV 2009 TO DEC 2009 Senior Geo-modeller- Landmark (for Sonatrach, Algeria)

AUG 2009 TO SEPT 2009 Associate Senior Development Geologist & Geo-modeller- Senergy UK Ltd.

MARCH 2006 TO MAY 2009 Senior Development Geologist- Soco International, Vietnam

APR 2003 TO JUNE 2005 Consultant Development Geologist- Talisman Malaysia & Halliburton RD, Aberdeen

FEB 1994 TO NOV 2000 Senior Geological Adviser- Vico, Indonesia

JAN 1991 TO DEC 1994 Team Leader- Lasmo, North Sea

JUNE 1989 TO DEC 1990 Chief Development Geologist- Lasmo, North Sea

Education

1976 - B.Sc. (Hons) Geology and Geography- Kingston Polytechnic, Surrey.

Industry Software Capabilities

- Geo-cellular Modelling- Advanced user of Petrel Geological Modelling software and previously an advanced user of Roxar RMS Modelling software;
- Monte Carlo and Risk Analysis- Expert user of Palisade '@Risk' Monte Carlo analysis software.
- Relational Data Base Management- Expert user of Microsoft Access and competent in relational database design and implementation;
- Unix workstation Interpretation;
 - Former Expert User of Landmark Workstation Geological Applications including Zmapplus, OpenWorks, Stratworks, Seisworks, Petroworks, Openvision, Wellbore Planner;
 - Former Expert user of Geoquest Geological Applications including Geoframe 3.8, CPS3, and Framework 3D;
 - 3D Framework Modelling- Former Expert user of SCM's Framework Modelling Software and expert user of Geoquest's Framework 3D