



PERSONAL PROFILE

Name: **Graham Davis**
Job Title: **Chief Petrophysicist**
Industry Experience: **40+ Years**
Qualifications: **BSc Hons Geology**



SUMMARY

I am a team player with over forty years of experience and a strong operational background. I have been involved with a number of international projects in Europe, the Middle East and the Far East. I have a strong work ethic and a good track record of working to deadlines and delivering results based on the integration of all available data with the full involvement of other disciplines.

I have strong interpersonal skills and have acted as supervisor and mentor for other petrophysical engineers. Prior to Harbour Energy (& Premier Oil), I was Chief Petrophysicist at CNR International looking after the UK North Sea and West Africa. I was also Local Petrophysics Network Leader at BP in Aberdeen and Section Head of Petrophysics (5 staff) for one of PDO's Asset Teams in Oman. I have previously held positions, both in the UK and internationally, for Shell and Enterprise Oil.

I was the Chief Petrophysicist at Harbour Energy, where I was responsible for a team of 9 Petrophysicists, corporate petrophysical quality and integrated subsurface assurance review across the company's global assets (UK North Sea, Norway, Mexico, Indonesia & Vietnam). I thoroughly enjoy Petrophysics and find that my enthusiasm for the subject helps me to communicate petrophysical issues very effectively to a wide range of audience..

TECHNICAL SKILLS INCLUDE:	OPERATIONAL SKILLS INCLUDE:
Strong open-hole log interpretation skills with emphasis on integration of ALL available data throughout the 3D modelling chain. With particular skills in NMR Processing.	Long experience of wellsite wireline, LWD and coring operations and laboratory core analysis techniques and QC
Fractured and matrix-dominated carbonate reservoir analysis experience. Error analysis techniques	Work-Scope and Bid Preparation, Tender Evaluation and Contract Management.
Thin Bed evaluation, facies recognition techniques, Permeability/PI prediction and saturation height modelling.	Design, execution and analysis of fit for purpose data acquisition and analysis programmes.
Russian-style log analysis, including BKZ lateral suite resistivity interpretation and nuclear logging.	Experienced in Unitisation procedures and Equity negotiations. Preparation of Government Development approvals.

SUMMARY EMPLOYMENT HISTORY

GDPC Ltd Sep 2024 – Present	<u>Petrophysical Advisor</u> Since retiring from Harbour Energy, I have started my own consulting firm – the <i>Graham Davis Petrophysics Company</i> - where I have undertaken various, mainly international, projects including Field Studies and Data Room Evaluations across Kazakhstan, Azerbaijan, Libya and Venezuela. I am also developing an in-house petrophysics training course and have started the “Petrophysics Rocks” You-Tube channel where I showcase some of my non-proprietary work and analysis techniques.	Aberdeen
Harbour Energy Plc Apr 2013 – 2024 <i>(Nee. Premier Oil Plc)</i>	<u>Chief Petrophysicist</u> Highlights: Managed a team of seven petrophysicists in the UK and two overseas. Harbour was the largest oil producer in the North Sea, with projects from Green Field Development, Carbon Capture and Storage through to Late-Life mature asset management and COP operations. I was a member of the Corporate Function Team providing BU project audit, review and assurance to the Board. Major projects have included Bream (Norway), Catcher & Tolmount (UK), Sea Lion (Falklands), Zama (Mexico), Gajah Baru (Indonesia) & Chim Sao (Vietnam). I provided analytical support for Business Development opportunities.	London & Aberdeen
CNR International Jul 2003 – Apr 2013	<u>Chief Petrophysicist</u> Highlights: the first Staff Petrophysicist – implemented new systems and built small team (up to 3 staff) to support 10 subsurface teams and 6 drill strings in the North Sea and West Africa. Responsible for Ops Geology Function.	Aberdeen
BP Exploration Plc Apr 2001 – Jul 2003	<u>Senior Petrophysicist</u> Highlights: Working on miscible Gas Flood EOR on Magnus. Residual Oil determination. Quantitative error analysis and stochastic prospect reserves estimation. 3D Geological modelling (IRAP/RMS). Local Petrophysics Network Leader.	Aberdeen
Shell (PDO) Sep 1998 – Apr 2001	<u>Consultant & Staff Petrophysicist</u> Highlights: Introduction of a multi-depth investigation LWD resistivity for inversion modelling and invasion profiling. Introduced more rigorous geo-steering procedures and analysis to the Yibal Asset Team - to help them get "closer to the roof".	Muscat, Sultanate of Oman
Enterprise Oil Plc Jan 1997 – Sep 1998	<u>Senior Petrophysicist</u> Highlights: Developed new fracture fluid distribution model from cased-hole pulsed neutron logs Quantified the fracture porosity system of Mubarek Field for the first time.	Sharjah, United Arab Emirates
Enterprise Oil Plc Jun 1985 – Jan 1997	<u>Petrophysicist - Senior Petrophysicist</u> Highlights: Team Leader of UK Operations Petrophysics section, responsible for Nelson Development. Wrote computer programs for the analysis of PLT/TDT cased-hole logs. Responsible for major contracting strategy review. Integrated study fractured carbonate reservoir onshore Italy. "Russian Log Analysis" study carried out for a major field offshore Vietnam. Facies-related petrophysical modelling. Equity studies.	London & Aberdeen