

CURRICULUM VITAE – JOHN M. WILLIAMS

Personal Information:

Full Name: John Michael Williams
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E-mail: jwilliams@pi.ac.ae
Date of Birth: 9th October 1952
Nationality: British
Marital Status: Married with three children (male) born in 1986, 1987 and 1991
Passport Details: British Passport No. 500095943, issued 17th March 1994.
Driving Record: Full British, French, Saudi & UAE Driving Licences; no accident in >30 yr.
Health: Excellent; Offshore Safety & Survival course completed in May 1999.
Languages: Fluent in English and French; basic knowledge of German.
Computer Skills: Extensive experience with software, notably Excel, Word, PowerPoint, and common simulation packages. Some experience of software development and commissioning.

Education:

1971 - 1978 University of Exeter, U.K:

- Gained an Honours Degree in Chemistry (1974)
- Awarded Ph.D (1979) for work on phase equilibria of liquefied gases
- Designed, constructed and operated high pressure measurement system
- Developed gas chromatographic analysis method
- Constructed special low volume sampling lines and valves
- Developed and tested new Redlich-Kwong equation of state mixing rules

1993 + Open University, Milton Keynes, U.K.

- MBA (Technology) by distance learning (120 credits to date out of 180 total)
- Stage I course "The Competent Manager" successfully completed in 1993
- Distinction awarded in "The Strategic Management of Technology" in 1995
- Completed "Technology Management: An Integrative Approach" in 2000

Work Experience:

2003 + Petroleum Institute, Abu Dhabi, U.A.E.

- Post of professor in Petroleum Engineering Faculty
- Responsible for teaching, technical service and research activities.
- Created new course "Introduction to the Petroleum Industry"
- Heavily involved in HSE committee and laboratory safety

2000 – 2003 Saudi Aramco, Dhahran, Saudi Arabia

- Reservoir Phase Behaviour Specialist in the Hydrocarbon Phase Behaviour Unit
- Developed on-site measurement procedures and interpretation methods for H₂S and CO₂ in Khuff gas wells to provide valid data for completion cost decisions; demonstrated expensive service company downhole sampling was not justified.
- Carried out quality control and correlation of PVT data from Haradh Arab-D wells, and generated reservoir simulator input tables.
- Created PVT report archive on Livelink to facilitate company-wide access to HPBU data for proponents. Special quality control procedures were developed to enable this to become the primary record system for the Unit.
- Set up an applied research project for Qatif field and coordinated sample requirements for many users both inside R&DC and elsewhere. Involved in H₂S safety planning and supervised on-site measurements and sampling during the first clean-up test, where 40 000 ppm H₂S was recorded in the produced gas.

- Currently running a Technology Item concerning bottom-hole sampling of gas condensate fluids. Work to date has showed improved preservation of reactive gas samples, and significant gains in efficiency when running wireline samplers.
 - Involved in training of Saudi employees and Co-op students, and in setting up Internship Assignments at the French Petroleum Institute.
 - Wrote a chapter on "Fluid Sampling" for the SPE Petroleum Engineering Handbook.
- 1993 - 2000 Science Support Services, St.Galmier, France
- Created "SARL" to support oil industry consulting activities
 - Principal tasks involved:
 - Equipment conception, development and commissioning
 - Engineer and technician training courses
 - Definition of "Best Practices" for fluid sampling and analysis
 - Client contacts and market intelligence for commercial laboratories
 - Definition of sampling programmes and quality assurance
 - Property interpretation and fluid characterization for reservoir modelling
 - Clients included: British Gas, Elf Aquitaine, Gaz de France, Geoservices, Imperial College, Institut Français du Pétrole, IHRDC, Kappa Engineering, Oilfield Production Consultants, Saga Petroleum, Schlumberger, Scientific Software-Intercomp.
- 1990 - 1992 Etudes et Fabrications Dowell Schlumberger, St-Etienne, France
- Developed new acid diverting agent; participated in design and field test
 - Simplified core flooding system for testing product quality
 - Performed asphaltene extraction and solubility work
 - Method definition and user manual compilation for a portable analysis kit
- 1986 - 1989 Anadrill Schlumberger, Sugar Land, Texas, USA
- Developed a patented system to sample and measure in drilling mud
 - Managed a joint project with the University of Texas, which solved sample humidity problems and upgraded GC reliability, sensitivity, and speed
 - Evaluated state-of-the-art gas analysers and defined future company strategy
- 1984 - 1986 Flopetrol Johnston, New Iberia, Louisiana, USA
- Set up the company's first PVT laboratory in the U.S.
 - Project involved a 2.2 million dollar investment, with laboratory design, purchase and commissioning of equipment, hire and training of technical personnel, promotion of services within the company and client sales.
- 1981 - 1984 Etudes et Fabrications Flopetrol, Melun, France
- Set up PVT Development Group to work on new PVT products and services
 - Developed a gpc molar mass measurement for distillation residues
 - Implemented a technique to fit polynomial equations to PVT data
 - Organized assistance to all Flopetrol PVT laboratories worldwide
 - Made compositional simulator for QC applications "user-friendly"
 - Supervised commercial laboratory (staff of 10) with all client contacts
- 1978 - 1981 Shell Research Ltd., Thornton, near Chester, U.K.
- Worked in the isokinetic well head sampling team (Sarawak, Oman, North Sea)
 - Ran a programme of density measurements on refrigerated hydrocarbons
 - Served on the U.K. Institute of Petroleum Measurement Committee

Professional Memberships & Activities:

- Elected to the Society of Petroleum Engineers in 1983
- Appointed SPE Phase Behaviour Technical Information Group Internet Chair in 1998
- Corresponding Member of the American Petroleum Institute Subcommittee RP-44
- Member of l'Association des Consultants Pétroliers