



## LQC ... Easy as 1,2,3!

### Brisbane Seminar

**Date:** Tuesday, 30 July 2019

**Time:** 13.30 to 15.00 pm

**Registration:** Please register online at <https://www.fesaus.org/>.  
**Numbers are limited, book early to avoid disappointment!**

**Place:** Room 22.04, Level 22  
32 Turbot Street  
Brisbane 4000 QLD

**Cost:** **FESQ and student members free**

**Presented by:** Martin Storey

#### **Abstract:**

All would agree that bad data should not be let into the organization's systems and its decision-making processes, yet there are no industry standard methods on how best to assure this for well log data. The specialized contractor companies that acquire the logs have quality management systems in place to ensure compliance and consistency with their own specifications. The data deliverables are therefore subject to some quality control before delivery to the operating companies, although it is of a general nature and focused on the acquired data, rather than on their future exploitation.

On delivery, the responsibility for any post-acquisition quality control of the well logs frequently falls on inadequately trained and supervised geotechnical persons, who may skim over it on account of its being "too hard" or "too urgent. People responsible for log quality control frequently report that they find it "difficult" or "overwhelming" and that they "don't know where to start". Subject matter experts themselves know that logs must always be checked and perhaps conditioned before they can be used. Yet few of them have simultaneously the knowledge, the experience, the reference information, the tools and the time to verify the fitness-for-purpose of the data methodically and confidently. This systematic requirement is costly for organizations, and its uncertainty exposes them to unnecessary risks. The situation is exacerbated by concurrent increases in the variety, volume and complexity of the log data and in their rates of change.

There must be a better way to assure log data quality and readiness for exploitation. A framework is proposed to formalize and simplify log quality control in operating companies and other data-user organizations.



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**About the presenter:**

Martin Storey began his career in the oil and gas industry as a Logging Engineer in South America some 25 years ago, then joined a super-major and worked in Gabon as a Wellsite Petroleum Engineer, and Petrophysicist. An assignment in Brunei Darussalam as a Petrophysicist and Petrophysical Technology Planner followed. Since 1998, he has been an independent consultant and a trainer based in Malaysia then Western Australia. He has worked for a range of companies broad in size and spread in most regions of the world. He grew up in France and holds a BSc in Mathematics and Computer Science from Stanford University and an MSc in Electrical Engineering from the California Institute of Technology (Caltech) (U.S.A.). He is a member of SPE, SPWLA, SCA, FESAus, EAGE and PPDM.