

Offshore Oil and Gas Exploration and Production Technologies

Lawrence D. Sullivan

Society of Petroleum Engineers

SPE Twenty-Five Year Club

Former Oil and Gas Drilling, Completion and
Production Engineer

Larry Sullivan

Drilling and Completion Engineering 1980-1998

- Education in Geosciences at University of Texas, Arizona State University and Texas A&M University from 1973 to 1979.
- Dresser Europe Drilling Engineering in Libya, Italy, Holland, Malta, Egypt, Norway, Oklahoma, Gulf of Mexico, SEAsia and France – 1980 to 1985.
- ICI Petroleum Drilling Technology Manager in North Sea (UK, Norway, Holland, Denmark), Gabon, Germany, Italy, California and SEAsia – 1985 to 1990.
- Conoco (U.K.) Ltd and Dupont International, S.A. in Norway, Italy, U.K. North Sea as New Technology Manager – 1990 to 1994.
- Technology Transfer Consulting from 1998 to 2000
- Career Highlights - developed low impact horizontal and water-based fluid as well as advised US EPA on ester based fluids.
- Society of Petroleum Engineers, Technical Editor - 2000-02

Drilling and Completion Technology API Videos

Exploration (Drilling & Completion)

Completion and Production



Conclusions

- Technology will evolve to a full zero impact by 2012 based upon what we see today in Norway – Zero Discharge.
- Technology for drilling, completion and production rival NASA and US Military for safety, security and efficiency.
- The knowledge cohort who joined the industry circa 1976 to 1980 are now retiring and are available to mentor new engineers and advise the government on suitable technology.