

JOHN ANDREW (ANDY) MAY

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SUMMARY

Science writer.

Retired petrophysicist and developmental geologist with extensive experience in North and South America Onshore, Russia, Yemen, Gulf of Mexico, North Sea, Indonesia, Brazil offshore, West Africa offshore, and China. Less extensive exploration experience in many other areas of the world. Comprehensive experience in evaluating wildcats, delineating newly discovered oil fields, appraising domestic and international acquisitions, and re-appraising older oil and gas fields.

EXPERTISE

Shale gas and oil well petrophysics, seismic rock physics, reservoir (conventional) petrophysics, fractured reservoir analysis, NMR log analysis, capillary pressure analysis, whole core acquisition and analysis, formation test (MDT/RCI) analysis, wireline image analysis and processing, logging/coring/mud logging operations and planning.

EXPERIENCE

PETROPHYSICIST & WRITER
Andy May Petrophysicist LLC

JUNE 2016 – PRESENT
The Woodlands, Texas

Written numerous blog posts on climate change and Kansas history ([link](#)), and four books:

[*Climate Catastrophe: Science or Science Fiction?*](#)

[*Blood and Honor: The People of Bleeding Kansas*](#)

[*Politics and Climate Change: A History*](#)

[*The Great Climate Change Debate, Karoly v Happer*](#)

STAFF PETROPHYSICIST
Kinder-Morgan

JANUARY 2013 – JUNE 2016
Houston, Texas

Petrophysics for the McElmo Dome CO₂ field in Colorado, St. Johns CO₂ field in Arizona, SACROC CO₂ flood and Katz CO₂ flood in West Texas.

SENIOR PETROPHYSICAL ADVISOR
Devon Energy Corp.

APRIL 2008 – DECEMBER 2012
Houston, Texas

The lead petrophysicist for the Southern Division. The focus of the job was developing petrophysical models for the Haynesville Shale, Eagle Ford shale, James Lime and Cotton Valley. Provided petrophysical properties (both reservoir and mechanical) needed to map gas-in-place, locate new wells, and complete wells. Secondary work has included evaluating the Wilcox, Travis Peak and the Haynesville Limestone fractured reservoir. The work has involved evaluating extensive core analysis, including mechanical properties and image logs. Developed and taught a shale petrophysics course for Nautilus and Devon with Mike Lovell (University of Leicester).

CHIEF PETROPHYSICIST
Fronterra Geosciences

OCT. 2006 – APRIL 2008
Houston, Texas

Along with Craig Peck, started the Petrophysics Division at Fronterra GeoSciences and did over one million dollars of business in the first year. Led or worked on petrophysical projects in Western Siberia, Argentina, Yemen, Oklahoma, and Texas. Developed a robust method for computing fracture porosity. Worked on integrating image interpretations with petrophysical analysis and did a lot of NMR interpretation.

SENIOR PETROPHYSICAL ADVISOR
Kerr-McGee Corp.

SEPT. 1988 – OCT. 2006
Houston, Texas

The lead International and Alaska petrophysicist. Previously the petrophysicist for the UK and for the Gulf of Mexico. Experience included 12 years in the Gulf of Mexico (mostly deep water but some shelf also), 10 years in China and seven years in the UK North Sea. Helped to develop the prospects that resulted in Kerr-McGee's Nansen, Boomvang, Bohai Bay (China) and Gunnison discoveries. Provided the petrophysical support (both technical and operational) for bringing each of these discoveries to project sanction.

In each region worked actively as part of multidisciplinary teams. Developed a deep water petrophysical model, an NMR interpretation model, a capillary pressure petrophysical model, helped develop an advanced wireline image (FMI and STAR) processing and interpretation system (with Terrasciences and others), and a rock physics model. These models were used to solve complex well evaluation problems worldwide. Led the development of Kerr-McGee's filing and indexing system for digital well data (Wireline, mudlog, LWD, test data, reports). Built comprehensive and consistent well databases for several operating areas, including the Gulf of Mexico, U.S. Onshore, Brazil, China and the North Sea. Developed the system used at Kerr-McGee for 24/7 operational petrophysical coverage.

MANAGER OF EXPLORATION SYSTEMS
Scientific Software-Intercomp

JUNE 1985 - SEPT. 1988
Denver, Colorado

Supervised three programmers and managed the development of the LOGCALC log analysis system. LOGCALC was the first commercial log analysis system. The system was installed in 62 oil companies worldwide. Participated in several log analysis consulting studies and taught several courses in computer log analysis. In 1987 received an award for exceeding planned profit.

DIVISION LOG ANALYST
Exxon Corp

DECEMBER 1980 - JUNE 1985
Denver, Colorado

In charge of computer log analysis and logging for the Western Division Exploration office. (December 1983 to June 1985)

Project Geologist, Natuna D-Alpha block, Indonesia (Esso Natuna Inc.). In charge of the geological/log evaluation of delineation wells drilled into a very large potential gas field. Supervised two well site geologists and handled the logging and mud logging contracts. (December 1980 to December 1983)

EXPLORATION GEOLOGIST
Cities Service Oil Co.

JUNE 1974 - DEC. 1980
Houston, Texas

Evaluated a large production block in Argentina. Recommended the drilling of 30 in-field and step-out wells, all were commercial producers except one. Also evaluated farm-out proposals. (June 1979 to December 1980)

Log Analyst, Cities Service, Tulsa. Evaluated frontier wells and did field studies. Taught and supported the region office log analysts in the use of computer log analysis systems (1977 to June 1979)

Computer Geologist, Cities Service, Tulsa. Performed log analysis studies, produced maps on the computer, wrote computer programs. (June 1974 to March 1977)

EDUCATION

BS GEOLOGY
University of Kansas

1970-74
Lawrence, Kansas

PUBLICATIONS AND PRESENTATIONS

Written or co-written 18 articles on geology, petrophysics and computers in various publications, including the AAPG Bulletin, Geobyte, and the International MWD Society Journal. Bibliography available on request.

AWARDS

AAPG Certificate of Merit, Presented "In recognition of Dedicated and Meritorious Service to the Association as an Editor for Geobyte." Geobyte was a computer publication of the American Association of Petroleum Geologists, 1993.

Award for Exceeding Planned Profit, presented by Scientific Software-Intercomp, 1987.

Elected President of the Oklahoma City chapter of the SPWLA for the 1993-1994 term.

Elected Vice President of Technology of the Oklahoma City chapter of the SPWLA for the 1994-1995 term.

Member of the SPWLA Publication Committee, 1995 to 2002.

VP Houston Downtown SPWLA, 2008-2009