



John Andrew (Andy) May

Petrophysicist

website: <https://andymaypetrophysicist.com/>

SUMMARY

Experienced petrophysicist with extensive experience in North and South America onshore, Russia, Yemen, Gulf of Mexico, North Sea, Indonesia, Brazil offshore, West Africa offshore, and China. Comprehensive experience in evaluating wildcats, delineating newly discovered oil fields, appraising domestic and international acquisitions, and re-appraising older oil and gas fields. Able to work in multiple areas and on multiple multi-disciplinary teams at the same time.

EXPERTISE

Shale gas and oil well petrophysics, seismic rock physics, elastic (mechanical) properties, sonic waveform analysis, 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. Excellent programming skills in C and Fortran on Windows and other platforms.

Recent Experience

PETROPHYSICIST • KINDER-MORGAN • JAN 2013-JUNE 2016

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

PETROPHYSICIST • DEVON ENERGY • APRIL 2008-DECEMBER 2012

Petrophysics for the Haynesville shale team, Cotton Valley team, and the Eagle Ford shale team. General exploration, including the Pearsall shale, Utica shale, and a small amount of work on the Bakken and Barnett. Developed and taught a shale petrophysics course for Nautilus and Devon with Mike Lovell (University of Leicester).

PETROPHYSICIST • FRONTERRA GEOSCIENCES • OCT. 2006-APRIL 2008

Consulted for TNK-BP in Western Siberia and OMV in Yemen. The OMV project was a large fractured granite reservoir, we estimated fracture porosity from images.

PETROPHYSICIST • KERR-MCGEE/ANADARKO • SEPT. 1988-OCT. 2006

Petrophysics in the North Sea, Brazil and West Africa offshore, China, US onshore and offshore, and many other places.

Education

BS GEOLOGY • 1974 • UNIVERSITY OF KANSAS

Honors and Awards

AAPG Certificate of Merit, presented for serving as an Editor for Geobyte magazine.

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. VP Technology of the Houston Downtown SPWLA, 2008-2009

Member of the SPWLA Publication Committee, 1995 to 2002.

Key publications

May, J. A. and Eyles, D. R. "Well Log and Seismic Character of the Tertiary Terumbu Carbonate, South China Sea, Indonesia," AAPG Bul., September, 1985.

May, J. A., "Electromagnetic Propagation Log Interpretation on the Computer," Geobyte, June/July, 1991.

May, J. A., "Depth Control - The MWD Challenge," The Pulser, December, 1994.

May, J. A., "Net Pay Cutoffs from Capillary Pressure," Spring 2006 SPWLA Topical Conference: Net Pay Determination, 2006. This talk was also presented to the Houston SPWLA Northside and Westside groups, the Dallas SPWLA and the AAPG conference: Geological Aspects of Estimating Petroleum Resources and Reserves, Sept. 9-11, 2009.

May, J. A., "Using Wet Shale and Effective Porosity in a Petrophysical Velocity Model," OTC 2005, OTC 17643-PP. This paper was selected to be highlighted in the May, 2006 JPT, p 54-55.

Ong, Seehong; May, Andy; George, Ian; Walker, Tim; and Zheng, Ziqiong; "An Accurate Characterization of Sand Strength in Weak and Unconsolidated Formations Aids Offshore Production Test Designs – A Bohai Bay Case Study," SPE 64738, SPE International Oil and Gas Conference and Exhibition in Beijing, China, November, 2000

References

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