

Michael S. Clark, Ph.D. - consulting petroleum geologist

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Summary of Qualifications:

An extensive industry and academic background in sequence stratigraphy, reservoir characterization, basin analysis, and sedimentology demonstrating the following skills and abilities:

- ***Petroleum geology:*** 30 years domestic/international, exploration & development experience (400+ wells, including 40 horizontals) in heavy & light oil, steam & waterflood, tight gas & diatomite reservoirs in California, West & North Africa, Idaho-Wyoming Overthrust, and Wyoming-Colorado midcontinent.
- ***Geologic research:*** Several [publications](#) on **sequence stratigraphy**, sedimentology, geochemistry and **reservoir modeling** of California basins.
- ***Seismic interpretation and geochemistry:*** Graduate coursework and industry experience. Also, lead author of seismic interpretation article in Leading Edge Journal. Graduate geochemistry minor emphasizing oil fingerprinting, source-rock evaluation, and reservoir diagenesis.
- ***Computer literacy:*** Extensive experience building and using reservoir models with 3D-visualization software (Petrel and GoCad), and interpreting source rock maturity models.

Please see online curriculum vitae at www.mikesclark.com/c_vitae.html for details.

EDUCATION:

1975 B.S. EARTH SCIENCES, University of California, Santa Cruz
1979 M.S. GEOLOGY, University of California, Davis
1991 Ph.D. GEOLOGY, Colorado School of Mines

WORK HISTORY:

1980-1986 [Senior geologist](#), AMOCO Production Co., Denver, CO
1987-1990 [Teaching assistant](#) and [Consultant](#), Colorado School of Mines, Golden, CO
1990-1991 [Research geologist](#), EXXON, Houston, TX and ELF AQUITAINE, Pau, France
1991-1998 [Senior geologist](#), ARCO Western Energy, Bakersfield, CA
1998-2005 [Staff geologist](#), CHEVRON North America, Bakersfield, CA
2005-P [Consulting Petroleum Geologist](#), with DeGolyer & MacNaughton and Oxy, USA

PROFESSIONAL ACTIVITIES:

1992-P Board of Governors, California Well Sample Repository
1993-2000 several offices of San Joaquin Geological Society, including President
1996-2004 Oil Museum Advisory Committee of Kern County Museum Foundation
1997-2003 House of Delegates, American Association of Petroleum Geologists (AAPG)
2000 & 2004 Vic Church [Best Poster](#) & Levorsen [Best Paper](#) Awards, Pacific Section-AAPG.
2005-2006 Vice-President of Pacific Section-AAPG.
2006 Distinguished Service Award, Pacific Section-AAPG.

California Registered Geologist (#5806), and **AAPG Certified Petroleum Geologist (#5202)**.
Member of AAPG, GSA, SEPM, Pacific Section-AAPG, SJGS, SJWLS, SEG, and RMAG.

PUBLICATIONS: Lead author of several [Published articles](#) (8) and [abstracts](#) (30).

PERSONAL: Married with two children. Eagle Scout and Scouting Silver Beaver honoree.

Michael S. Clark - Selected Publications

(Please see [CURRICULUM VITAE](#) for REFERENCES and a complete list of PUBLICATIONS)

Clark, M. S., Prather, R. K., and Melvin, J. D., 2003, *Characterization and Exploitation of the Distal Margin of a Fan-Shaped Turbidite Reservoir – The ARCO-DOE 91X-3 Horizontal Well Project, Yowlumne Field, San Joaquin Basin, California* in (Carr, T.R., Mason, E.P., and Feazel, C.T., eds.) *Horizontal Wells: Focus on the Reservoir: AAPG Methods in Exploration Series No. 14*, p. 11-26.

Clark, M. S., 2001, *Sequence stratigraphy of an interbedded biogenic-clastic reservoir, Belridge diatomite at Lost Hills field, San Joaquin basin, California (abstract)*: *Bulletin of the American Association of Petroleum Geologists*, v. 85, p. 1117-1118.

Clark, M. S., Tucker, K. E., and Klonsky, L. F., 2001, *Geological study and multiple 3D surveys give clues to complex reservoir architecture of giant Coalinga oil field, San Joaquin Valley, California: The Leading Edge (Geophysics of Giant Oil Fields - July issue)*, v. 20, p. 744-751.

Clark, M. S., 2000, *From tar seeps to anticlines and back: The rise and fall of the anticlinal theory in the California Transverse Ranges (abstract)*: *Bulletin of the American Association of Petroleum Geologists*, v. 84, p. 862-863.

Clark, M. S., Prather, R. K. and Melvin, J. D., 1998, *Characterization and exploitation of the distal margin of a layered, low-permeability turbidite reservoir, Miocene Stevens sandstone, San Joaquin basin, California*: Extended abstracts book, EAGE/AAPG Third research Symposium (Developing and managing turbidite reservoirs - Case histories and experiences), European Association of Geoscientists and Engineers, Almeria, Spain, 3-9 October 1998, section A011 (8 pgs.).

Clark, M. S., Beckley, L. M., Crebs, T. J., and Singleton, M. T., 1996, *Tectono-eustatic controls on reservoir compartmentalization: An example from the upper Miocene, California*: *Marine and Petroleum Geology*, v. 13, p. 475-491.

Clark, M. S., 1995, *The Cozy Dell Formation: Delta progradation and turbidite deposition during sea-level highstand (abstract)*: *Bulletin of the American Association of Petroleum Geologists*, v 79, p. 581.

Clark, M. S., 1994, *Sedimentation response to earthquake-related events, middle Eocene, Ventura basin, California* in Fritsche, A. E., ed., *Sedimentology and paleontology of Eocene rocks in the Sespe Creek area, Ventura County, California*: Pacific Section–SEPM, Guidebook 74, p. 9-38.

Clark, M. S., Lillis, P. G., and Gregory, G., 1993, *The Sespe Oil Fields: An example of a kinetic trap with a subthrust source (abstract)*: *Amer. Assoc. of Petroleum Geologists Bull.*, v. 77, p. 693.

Clark, M. S., 1992, *Diagenetic controls on laumontite cementation of plagioclase-bearing sandstones, Transverse Ranges, California (abstract)*: *American Association of Petroleum Geologists, Pacific Section Convention Programs and Abstracts, Sacramento, California, 1992*.

Clark, M. S., 1991, *Sequence stratigraphy and facies architecture of a shallow-marine to basin transition, Middle Eocene, Southern California*: Ph.D. thesis, Colorado School of Mines, Golden, Colorado, 468 p.

Clark, M. S. and Bond, G. C., 1978, *Clay mineralogy of the Upper Jurassic to Cretaceous section of the Great Valley Sequence exposed at Putah Creek* in Kramer, J. C., ed., *Geologic guide to the northern California Coast Ranges: Sacramento to Bodega Bay*: *Geologic Society of Sacramento, Annual Field Trip Guidebook*, v. 1978, p. 115-129.

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1/30/2011