



FOUR CORNERS GEOLOGICAL SOCIETY NEWSLETTER

October 2007

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Four Corners Geological Society

October Meeting and Presentation

DATE: Friday, October 19, 2007

SPEAKER: Dave Clark, Geologist, ConocoPhillips, Farmington, New Mexico

TOPIC: Overview of the Fruitland Coal Gas Field, San Juan Basin, with an Emphasis on Non-Fairway Producing Areas

PLACE: Marriott Courtyard, 560 Scott Ave, Farmington, NM, 87401 (505) 325-5111 ext. 2204

AGENDA:

5:30 PM- Social Hour, **“Pine Room”**, lower level of Marriott Courtyard

6:30 PM- Dinner – Choice of: **Honey Chipotle Roasted Half Chicken or Beef Tips Bourguignon**

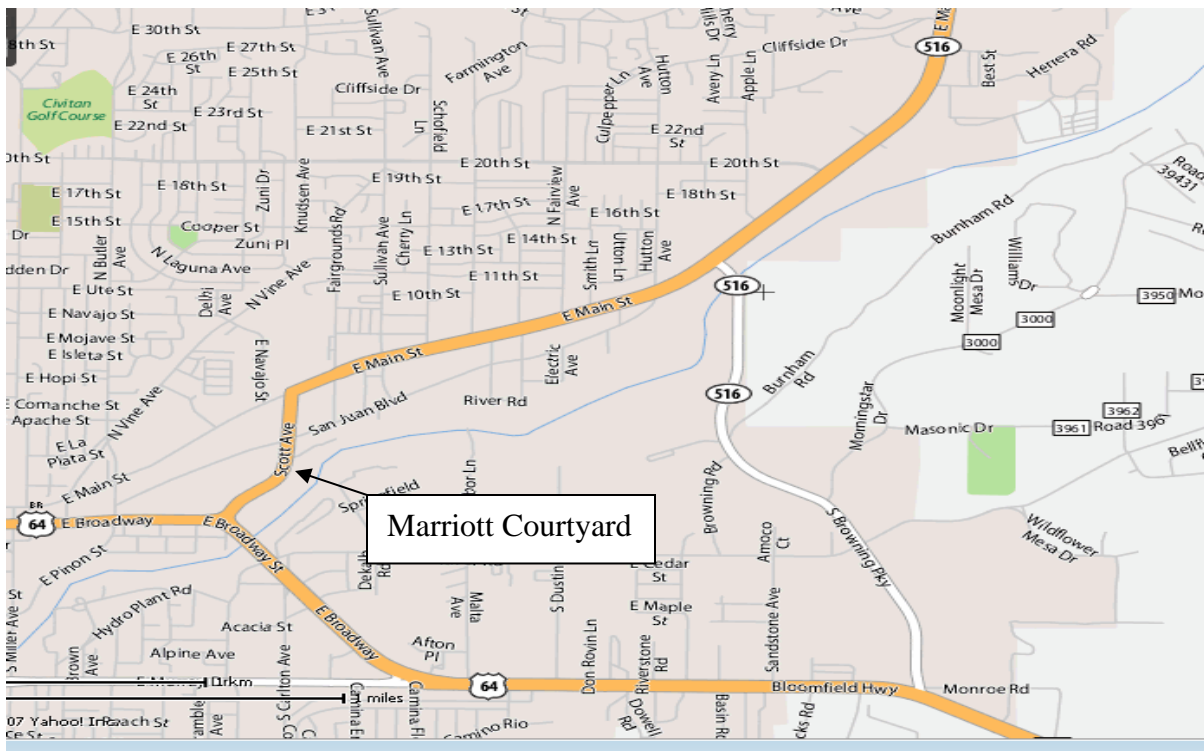
7:30 PM- Presentation

COSTS: \$20.00 per person (dinner and talk), \$2.00 per person (talk only), student’s free (talk only)

Reservations for this months meeting and presentation should be made by Wednesday, Oct. 17.

Farmington Contact: Jim Hornbeck – email: jmh@bmgdrilling.com phone: (505) 325-8874 ext. 4

Durango Contact: Kim Hannula – email: hannula_k@fortlewis.edu phone: (970) 247-7463





Overview of the Fruitland Coal Gas Field, San Juan Basin, with an Emphasis on Non-Fairway Producing Areas

ABSTRACT

The Fruitland Coal gas field is a continuous type hydrocarbon accumulation located in the San Juan Basin of northwest New Mexico and southwest Colorado. Approximately 13.5 TCFG has been produced to date from some 6,500 wells completed in the Fruitland Coal. Production has been established from an area covering in excess of 3,500 square miles. One of the keys to efficient development of reserves is recognition of compartments or production performance areas that exhibit similar reservoir properties. The Fruitland Coal gas accumulation can be subdivided into several production performance areas, each with different reservoir qualities and very different gas and water production characteristics. Although complicated, stratigraphy appears to exert little direct influence on controlling the boundary between most of the production performance areas. A variety of other factors contribute to cause boundaries between respective performance areas.

Much of the non-fairway portion of the Fruitland Coal gas accumulation has yet to be fully developed. Reservoir factors influencing production performance in this portion of the field include general stratigraphy, reservoir depth (effect of overburden stress on cleat aperture and permeability), and reservoir interaction with the underlying Pictured Cliffs Sandstone. Within each performance area in the non-fairway portion of the gas accumulation, reservoir thickness and quality do provide the principal control on production trends. Reservoir compartments can be defined both laterally and vertically. A combination of accurate reservoir characterization along with effective completion techniques and production optimization will be required for optimal economic development of this significant resource.

SPEAKER BIO

Dave Clark

Dave Clark is currently a geologist with ConocoPhillips in Farmington. He began his career with Gulf Oil in Casper, Wyoming in 1979 after graduating from Colorado College with a B.S. in Geology. Dave moved to Farmington in 1990 and in addition to ConocoPhillips has enjoyed employment in Farmington with Giant Exploration and Production, D.J. Simmons, and Burlington Resources. He has been a member of the Four Corners Geological Society since 1990 and has served two terms as Treasurer. He is also member of AAPG and a Certified Petroleum Geologist.



General Announcements/News from other Geo-Societies

American Association of Petroleum Geologists

The 2007 Rocky Mountain Section Meeting of the AAPG will be held October 6-9 at Snowbird, Utah. The meeting will be hosted by the Utah Geological Association. The technical program co-chairs are David Lamber, GL1253@msn.com/ (801) 953-3373 and Rich Newhart, richardnewhart@questar.com/ (801) 324-2090.

Canadian Society for Unconventional Gas

The CSUG, sponsored by Halliburton, is holding their 9th annual Unconventional Gas Conference, November 14-16 at the Telus Convention Center in Calgary, Canada. There will be two days of technical presentations on unconventional gas exploration, focusing on geology, completions, stimulation and drilling. In addition, there will be six concurrent, 1/2 day sessions that will be taught by industry experts targeted to senior engineers and geologists (cutting edge), entry level to intermediate engineers and geologists (developing expertise) and non-technical support staff. For registration questions contact: *e=mc2 event management inc.* Toll free in North America at 1-866-851-3517, phone direct: (403) 770-1385.

E-mail: conference@emc2events.com.

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Geological Society of America

The GSA Annual Meeting will be held October 28-31, 2007 at the Colorado Convention Center in Denver, Colorado. For more information visit www.geosociety.org

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The Denver Prospect Fair and Technofest Exhibition will be held Monday, November 5, 2007, at the Colorado Convention Center in Denver, Colorado. The RMAG, the Denver Association of Petroleum Landmen, the Denver Geophysical Society, the Independent Petroleum Association of Mountain States, and the Society of Petroleum Engineers Denver Section invite prospect exhibitors, software developers, data vendors, and service companies to share their ideas, technologies, and services. Call Sandi Pellissier at RMAG, Voice (303) 573-8621, Fax (303) 628-0546, e-mail: RMAGdenver@aol.com

West Texas Geological Society

The 2007 Fall Symposium will be held October 24-26, 2007, at the Midland Center in downtown Midland, Texas, with technical sessions and poster sessions. The theme is Structure and Stratigraphy of the Permian Basin - Understanding the Fundamentals of Conventional and Unconventional Plays. For more information, contact Executive Director Paula Mitchell at the WTGS office at (432)683-1573, wtgs@basinlink.com or General Chairman David Grace (432) 694-3000, david@henrypetroleum.com
For information on technical sessions, contact Stonnie Pollock at stonniep@forl.com

Advertising rates for the Four Corners Geological Society newsletter:

Full Page Ad (7½" x 9½") \$100/mo. or \$1000/yr. Half Page Ad (7½" x 4½") \$50/mo. or \$500/yr.
¼ Page Ad (3½" x 4½") \$25/mo. or \$250/yr. Business Card (3½" x 2") \$10/mo. or 100/yr.

Odd sizes are \$3.50 per column inch per month, minimum \$10.00

For more information, please contact the FCGS Treasurer. Proceeds will go toward the further development of the Society (i.e., offset meeting costs, publications, etc.).

Four Corners Geological Society

P.O. Box 1501, Durango, CO 81302

www.fourcornersgeologicalsociety.org

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