The Society of Petroleum Evaluation Engineers

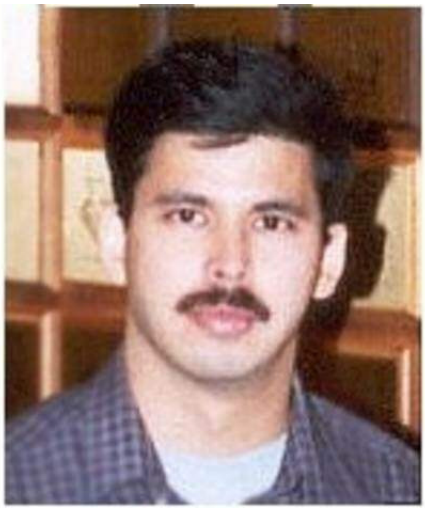
SPEE Denver Chapter announces its April Luncheon Meeting.

(Members and Guests are cordially invited to attend.)

Wednesday, April 9, 2014

Mr. Sameer Ganpule

Senior Reservoir Engineer / Production Stimulation Engineer, Schlumberger



Will be speaking on:

SPE 167131 ***Impact of Well Completion on the Uncertainty in Technically Recoverable Resource Estimation in Bakken and Three Forks***

LUNCHEON STARTS AT 11:30 A.M.
(A plate lunch will be served.)
PRESENTATION BEGINS AT NOON

The Denver Athletic Club

3rd Floor, The New Petroleum Club Room
1325 Glenarm Place (14th and Glenarm) Denver CO 80204
Parking flat rate $7.00 on space available basis

Cost: $35.00 per Person

(Credit Card, Cash or Check made out to 'SPEE Denver Chapter')

Please RSVP by Noon Monday, April 7, 2014

RSVP Registration Options:

1.) **RSVP by email to Andrew Forcina, SPEE Treasurer at denspee@yahoo.com to sign up and then pay by cash or check at the door. Please provide a name and company for each reservation. Checks should be made out to 'SPEE Denver Chapter'.**

OR

2.) RSVP and simultaneously pay by credit card online at

https://secure.spee.org/civicrm/event/info?reset=1&id=44. If this link does not work, alternatively go to www.spee.org then select 'Local Chapters', then 'Denver', then 'Click Here To Register'.

Abstract: SPE 167131 *Impact of Well Completion on the Uncertainty in Technically Recoverable Resource Estimation in Bakken and Three Forks.* Note: Sameer Ganpule is the primary author of this paper.

The Bakken formation ranks as one of the largest oil developments in North America in the past 40 years. The main target for exploitation has been the middle Bakken siltstone member which is sandwiched between Upper Bakken Shale and Lower Bakken Shale and the Three Forks benches. The close proximity of middle Bakken and Three Forks benches coupled with the need for hydraulic fracturing, introduces uncertainty in the "source" of oil production in wells and hence in technically recoverable resource forecasts. In this paper, we discuss well performance under various completion configurations and depletion patterns to demonstrate the challenges in estimating technically recoverable resource early in the life of a well or group of wells. These challenges may arise from the stimulated reservoir volume (SRV) not being contained within a single reservoir but straddling more than one reservoir at a time. A lack of understanding of SRV distribution and subsequent drainage from multiple reservoirs may lead to significant uncertainty in technically recoverable resource estimation - especially when using short-term production data. This paper also highlights the effects of completion interference between a well and its infill offsets on uncertainty in estimating technically recoverable resource. We intend to emphasize the issues previously mentioned to the broader audience with the intention to promote further technical discussion on the role that well completion plays in resource evaluation of unconventional plays such as the Bakken Shale.

Other co-authors include: Bilu Cherian, Veronica Gonzales, Paul Hudgens, Pascual Reyes Aguirre, Domingo Mata, Diana Paola Olarte, Alisher Yunuskhojayev, and William Ray Moore, all with Schlumberger

Speaker Bio.: **Sameer Ganpule** is a Senior Reservoir Engineer with Schlumberger in Denver, Colorado. He has more than fifteen years of experience in conventional and unconventional gas and oil reservoir engineering in domestic and international plays. His current area of interest is studying reservoir-completions interactions in unconventional resources. Since 2011, he has moved into a Production Stimulation Engineer role with focus on synergizing reservoir engineering with hydraulic fracture completion design and evaluation workflows. He received an MS in Petroleum Engineering from the Texas A&M University and is a member of SPE.

Officer's note: Sameer is a frequent guest at the SPEE Denver Chapter luncheons, and he voluntarily offered to give this talk on the Bakken completion/reservoir interaction.

SPEE
SOCIETY OF PETROLEUM EVALUATION ENGINEERS

About SPEE: http://www.spee.org SPEE was formed in 1962 as a professional, non-profit organization bringing together specialists in the evaluation of petroleum and natural gas properties. SPEE continues today to be strongly committed to providing educational and other services to its members and to the oil and gas industry, and to promoting the profession of petroleum evaluation engineering.

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