



Workshop

16-17/Jun/2009 (1388/3/26-27)



**By:
Dr.Fasihi**

(affiliated with
the University of
Houston)

Modern Approaches to Reservoir Management

- In this short course, first, we will review the fundamental rules governing Reservoir Management and depletion planning. This would involve both the technical as well as organizational aspects of reservoir management.
- Then, the unique aspects of carbonate reservoir management will be discussed and the tools that are currently used for this purpose will be reviewed. Application of technology in production optimization of such reservoirs will be discussed next. Also, the role of EOR to increase production in carbonate reservoirs will be discussed.
- Finally, a few case studies will be reviewed to highlight best practices in managing carbonate reservoirs.
- The audience are expected to bring a few of their own example reservoirs in order to engage others in devising a proper depletion strategy and forward plan for their cases.

دیدگاه‌های پیشرفته در مدیریت مخازن

توسط: جناب آقای دکتر رضا فصیحی (از دانشگاه هیوستون-امریکا)

- در این دوره کوتاه، قبل از هر چیز قوانین حاکم بر مدیریت مخزن و برنامه ریزی تخلیه مخزن را مرور خواهد شد که این بخش هر دو جنبه‌ی فنی و سازمانی مدیریت مخزن را در بر خواهد گرفت.
- سپس جنبه‌های ویژه‌ی مدیریت مخازن در مورد مخازن کربناته مورد بحث قرار می‌گیرند و ابزار و ایده‌هایی که اخیراً در این مورد استفاده شده اند معرفی و مرور می‌شوند.
- مرحله بعد، کاربرد فن‌آوری در بهینه‌سازی تولید از چنین مخازنی مورد بحث خواهد بود. همچنین نقش روش‌های EOR در افزایش تولید مخازن کربناته تحلیل خواهد شد.
- در نهایت، Case study مرور می‌شود تا بهترین کارهایی که در زمینه مدیریت مخازن کربناته انجام شده است را به صورت واضح‌تری معرفی کنیم.
- انتظار می‌رود مخاطبان این دوره، نمونه‌هایی از مخازن مورد فعالیت خودشان را همراه بیاورند تا دیگران در همفکری و ابداع برنامه‌های صحیح تخلیه مخزن و برنامه‌ریزی برای آینده مخزن، درگیر کنند.

**Deadline:
1388/3/20**

Biography

Dr. Reza Fassihi

Education: 10/77-03/81 Ph.D. in Petroleum Engineering, Stanford University, Stanford, CA 09/76-10/77 MS in Chemical Engineering, Stanford University, Stanford, CA 10/72-05/76 BS in Chemical Engineering, Abadan Institute of Technology, Abadan, Iran..

Expertise: Leading activities in the Appraisal , Development and Production phases of Enhanced Oil recovery, Unconventional Oil, Resource and Technology Planning

Experience: July 2008-present Unconventional Oil Technology Manager, Exploration and Production Technology, bp Houston. Tasked with creating and leading a multi-disciplinary team of experts dealing with applying new recovery processes for extracting viscous and heavy oil from sandstone, carbonate and fractured reservoirs

Jan 2006-June 08 Team leader, Pushing Reservoir Technical Limits, Explorations and Production Technology Group, bp Houston. Led a multidisciplinary team of experts (~20) who were involved in studying and supporting global Enhanced Recovery activities (tight gas, coal bed methane, waterflooding, LoSal, Bright Water, MEOR, Gas Injection). 7/2002-Jan 2006 Global Subsurface Functional Development Manager, Exploration and Production Technology, bp, Houston. Led the activities related to the health of discipline (assurance, development and technical competency) of staff in the Reservoir Engineering and Petrophysics disciplines. Conducted team assessments in Business Units, managed the development budget and delivered new offers

. 2/99-6/2002 Pre-Project Manager and Subsurface Team Leader, Middle East Business Unit, BP, Sunbury, UK. Led a multidisciplinary team to assess and capture major oil and gas fields (carbonate, sandstone) in the Middle East. 4/94-1/99 Petroleum Engineering Associate, Amoco Eurasia, Houston, TX. Reservoir Exploitation Project Leader for the Resource Acquisition Group. Worked on assessing and capturing Production and Exploration New Ventures in Russia, Kazakhstan and Azerbaijan (e.g., Sakhalin II, Uzen, Zhanazhol, MMG, Offshore Caspian, Inam, etc.). Led these projects through scoping, development planning, optimization, risk management, and project approval. As Amoco Liaison, attended the commercial and business development activities, e.g., the Reservoir Working Group of Azerbaijan International Oil Consortium (ACG Fields). Coordinated Reserves booking for Amoco Caspian Sea.

10/85-03/94 Staff Research Engineer, Amoco Research Center, Tulsa, OK.

Project coordinator for the West Hackberry Air Injection Project. Member of the Reservoir Management team involved in the development of oil and gas fields subject to gas or water injection (July and October Fields in Egypt, Primrose, Wabasca, in Canada).

Member of the Heavy Oil team responsible for conducting laboratory and simulation studies of steam and air injection. Supported the development of a new high pressure air injection lab. Taught courses on Reservoir Management and Thermal Oil Recovery simulation.

09/81-09/85 Senior Research Engineer, Viscous Oil Recovery Group, ARCO Resources Technology, Plano, TX. Worked on the design, operation and post appraisal of the first oxygen injection project at the Holt Sand Unit, TX. As a member of the Alaska heavy oil field development team, investigated oil recovery methods for Ugnu and West Sak fields.



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