

DR. SAID KAMEL ELSAYED SALEM
Associate Professor (Petroleum Engineering)
Suez Canal University, Faculty of Petroleum and
Mining Engineering, Suez, Egypt

PERSONAL DATA

Position: Associate Professor (Petroleum Engineering)

Institution: Faculty of petroleum and Mining Engineering,
Suez Canal University), Egypt

Date of Birth: 16/12/1962

Nationality: Egyptian

Marital Status: Married

Cell Phone Number: +2 (0165265664)

Work Phone and fax Number: +2 (0623336268)

Mail Address: Petroleum Engineering Department, Faculty of Petroleum and
Mining Engineering, Suez, Egypt. (P.O.43721)

E-mail: Saidk62@maktoob.com



AREAS OF SPECIALIZATION

- EOR Methods
- Petroleum Production Systems
- Production data analysis & prediction
- Production Optimization
- Gas Reservoir Engineering
- Surface production operations
- Well Stimulation

- Reservoir Fluid Properties
- Well Testing analysis.

EDUCATION

1. Texas A & M University and Suez Canal University (Through Channel System), Ph.D in petroleum Engineering (1997)

Dissertation title: Experimental and Theoretical Determination of physical Properties of CO₂/Hydrocarbon Mixtures for EOR.

2. Suez Canal University, M.Sc. in Petroleum Engineering (1992)

Thesis title: “A Laboratory Study on the EOR by using Forward In-situ Combustion”

3. Suez Canal University, B.Sc in Petroleum Engineering (1985)

- Top 2% of All Classes
- Distinction Grade for Graduation Project: “Engineering Analysis of July Oil Field, Egypt.”

PROFFESIONAL EXPERINCE

Associate Professor

**Petroleum Engineering Department
Suez Canal University in Egypt
April 2008 to present**

In April 2008, Dr. Said Kamel worked as associate professor with petroleum Engineering Department, Faculty of Petroleum and Mining Engineering, Suez Canal University, Egypt. Dr. Said is interesting in teaching EOR methods and petroleum production courses for graduate and undergraduate students. Dr. Said is active in consulting and advising the Oil & Gas industry.

Post Doctoral Associate

Mewbourne School of Petroleum and Geological Engineering,
University of Oklahoma, Norman, USA (2006)

In September 2006, Dr. Said was invited as Post Doctoral Researcher associate with Mewbourne School of Petroleum and Geological Engineering, University of Oklahoma, Norman, USA. During his stay at the University Dr. Said worked with Professor Djebbar Tiab in a research project titled “Chemically Enhanced Steam Injection in Deep Formations” During this time Dr. Said also assisted in teaching undergraduate capstone course titled integrated reservoir Management during the spring 2007 semester. This course is required of all the undergraduate students and they work on real field data to enhance the economic value of the field.

Assistant Professor

Petroleum Engineering Department,
Faculty of petroleum and Mining Engineering,
Suez Canal University (1997 to 2006)

In June 1997 to September 2006, Dr. Said Kamel worked as assistance professor with petroleum Engineering Department, Faculty of Petroleum and Mining Engineering, Suez Canal University, Egypt. Dr. Said is interesting in teaching EOR methods and petroleum production courses for graduate and undergraduate students. I also have a strong ongoing discussion with my students-as they find their way in this world with educated minds. I am a hard believer in prompting discussion of established and new concepts in my classrooms, and learning from my students as they learn what I have to teach them. This is by far, the best manner for learning-which I learned from my time as an undergraduate at Suez Canal University. Dr. Said is active in consulting and advising the Oil & Gas industry.

Visiting Scholar

Texas A&M University (Petroleum Engineering Department)
Collage Station, Texas (1994 to 1996)

Dr. Said went to Texas A & M University for two years to work on theoretical and experimental determination of physical properties for CO₂/ Hydrocarbon Systems towards completion of his Ph.D. degree in petroleum engineering from Suez Canal University. Dr. Said have performed experiments in phase behavior, viscosity measurements of the CO₂ and Hydrocarbon mixtures and MMP measurements using slim tube apparatus. Dr. Said developed a laboratory setup and procedure to measure the CO₂ MMP's using sand packed slim tube apparatus. Also Dr. Said designed a new technique for determining CO₂/ Hydrocarbon Systems Viscosities at high pressure and temperatures using high pressure rolling ball viscometer.

Teaching Assistant

Petroleum Engineering Department,
Faculty of petroleum and Mining Engineering,
Suez Canal University (1992 to June 1994)

Instructor

Petroleum Engineering Department,
Faculty of petroleum and Mining Engineering,
Suez Canal University (1985 to October 1992)

PROFESSIONAL AFFILIATIONS

1. Society of Petroleum Engineers (SPE)
2. Egyptian Society of Professional Engineers.
3. Supervision Committee on Thesis and Dissertation
4. Examination Committee for undergraduate and graduate students

- 5- Egyptian Engineering Syndicate
6. Ph.D. in Petroleum Engineering Registered at Suez Canal University
- 7- Reviewed papers for journal publication
- 8- Advanced Production & Stimulation Graduate Course Committee
- 9- Faculty Search Committee
- 10- Coordinator Ph.D. Qualifying Examination
- 11- Undergraduate Curriculum Review Committee

EDUCATIONAL AND RESEARCH ACTIVITIES

- Dr. Said has a strong ability for preparing courses for undergraduate and graduate students
- Dr. Said involved in laboratory research in the area of enhanced oil recovery. Performed core analysis and phase behavior studies for thermal recovery and carbon dioxide flooding process.
- Dr. Said designed and installed a sampling loop on gas chromatography for three phase compositional analysis of water/oil systems at high pressure and temperature. Integrated PVT apparatus and viscometer for simultaneous analysis of phase behavior, compositions, and viscosities at reservoir like conditions.
- Dr. Said developed and taught production engineering and fluid properties courses for undergraduate and graduate level to departmental classes and visiting scholars.
- Dr. Said supervised 3 Ph.D. and 8 M.Sc. students at the University of Suez Canal. The MS theses and PhD dissertations covered all aspects of Petroleum Engineering including drilling, production and reservoir engineering. Most of

his MS and Ph.D. students are now consultants at different petroleum companies in the Middle East.

PUBLICATIONS

1. Barrufet, M. A., **Salem, S. K.**, Tantawy, M. and Iglesias-Silva, G. A., “Liquid Viscosities of Carbon Dioxide+Hydrocarbon from 310 K to 403K”, J. of Chemical and Eng. Data. Vol. 41, No.3, Pages 436-439, 1996.
2. **El-Sayed, S. K.**, Barrufet, M. A., Khatab, H. M., Elayouty, E. D., Tantawy, M. A., “CO₂ Minimum Miscibility Pressure: Theoretical and Experimental study ” The Fifth International Conference on Petroleum, Mining and Metallurgical Engineering, 24-26 February 1997, (P.176-193).
3. Elgibaly, A. A., Attia , A. M., **Elsayed, S. K.**, and Elnoby, M. G., “Testing and Monitoring Pumping wells” The Fifth Egyptian Syrian Conference in Chemical and Petroleum Engineering, Faculty of Petroleum and Mining Engineering, 13-16 October, 2003, (P. 485-500).
4. Osman, F. M., Shouhdi, E. S., El-Sayed, D. E., Mohamed, M. S. and **El-Sayed S. K.**, “Production Data Analysis for Electric Submersible Pumping (ESP) Wells” Journal of Petroleum and Mining Engineering (JPME), Vol.6, No.2 December, 2003, Suez, Egypt
5. Osman, F. M., Shouhdi, E. S., El-Sayed, D. E., Mohamed, M. S. and **El-Sayed S. K.** “Accurate Determination of Pump Intake Pressure and Bottom Hole Flowing Pressure for Sucker-Rod Pumping (SRP) Wells” Journal of Petroleum and Mining Engineering (JPME), Vol.7, No.1 June, 2004, Suez, Egypt.
6. Shouhdi, E. S., El-Sayed, D. E., Mohamed, M. S. and **El-Sayed S. K.** and Osman, F. M., “ Prediction of Down-hole Pumping Problems for Electric Submersible Pumping (ESP) Wells”, The 6th Syrian- Egyptian Conference in Chemical &

Petroleum Engineering & Exhibition, Faculty of Chemical & Petroleum Engineering, Albaath University, Homs-Syria , 8-10 November, 2005, (P.96-115).

7. Fadel, S. and **El-Sayed S. K.** “ Cased Hole Log and Flow Characteristics of Heavy oil Reservoirs underlay by Water: Bakr-Amer field, Sandstone Reservoirs, Gulf of Suez, Egypt “, The 6th Syrian- Egyptian Conference in Chemical & Petroleum Engineering & Exhibition, Faculty of Chemical & Petroleum Engineering, Albaath University, Homs-Syria , 8-10 November, 2005, (P.227-241).
8. **Elsayed S. K.** “Evaluation of Sucker Rod Pumping Wells Performance using Analysis Well Performance Software” Journal of Petroleum and Mining Engineering (JPME), Vol.8 , No.2 December, 2005, Suez, Egypt.
- 9-**El-Sayed S. K.** and Nasr, M.A., “Drillpipe Eccentricity Prediction during Drilling Directional Wells”, Canadian International Petroleum Conference, June 13-15, 2006, Calgary, Alberta.
- 10-**El-Sayed S. K.**, “Well Test Interpretation of Producing Oil Wells using Two Different Graphical Analysis Technique” Journal of Petroleum and Mining Engineering (JPME), Vol.9, No.2 December, 2006, Suez, Egypt.
- 11-Ghareeb M., and **El-Sayed S. K.**, “Sucker Rod Efficiency Improvement for High Gas /Oil Ratio Wells”, **11th International Conference on Mining, Petroleum and Metallurgical Engineering (MPM11)** Sharm El-Sheikh, 15-19 March 2009.
- 12-**Said Salem** and Dejebar, Tiab “Application of the *TDS* an *RPI* Techniques to Interpret Well Test Data in Sinai Oil Field, Egypt” Journal of Petroleum and Mining Engineering (JPME), Vol.12, No.2 December, 2009, Suez, Egypt.
- 13- Correa, Tomas, Dejebar, Tiab, and **Said Salem**, “Evaluation of Hot Solvents Efficiency in Condensate Banking Removal” Journal of Petroleum and Mining Engineering (JPME), Vol.13, No.2 June 2010, Suez, Egypt.

14-Osman F. Osman and **Said K. Salem** “A New Procedure for Predicting Gas/Oil Ratio of Electric Submersible Pumping (ESP) Oil Wells” 11th International Conference on Mining, Petroleum and Metallurgical Engineering (MPM11) Sharm El-Sheikh, 15-19 March 2009.

15- Shadi, A., **Said Salem** and Taha, M. “An Evaluation of Miscible CO2 Flooding in a Mature Water flooded Oil Reservoir: A Simulation Case Study” (Proposed)

COURSES TAUGHT AT MY UNIVERSITY

- Applied EOR Methods
- Production data analysis & prediction
- Production Optimization
- Gas Reservoir Engineering
- Surface production operations
- Well Stimulation
- Reservoir Fluid Properties and Pressure Transient Testing
- Well Testing analysis.
- Drilling and Well Completions
- Introduction to Petroleum Engineering
- Petroleum Production system

TRAINING/CONSULTING

Training:

- Reservoir Rock and Fluid Properties
- Enhanced Oil Recovery methods
- Production data analysis & prediction
 - Production Optimization

- Gas Reservoir Engineering
- Surface production operations
- Well Stimulation
- Reservoir Fluid Properties and Pressure Transient Testing
- Well Testing analysis.
- Drilling and Well Completions
- Introduction to Petroleum Engineering
- Petroleum Production system

Consulting (Egyptian Petroleum Company)

- Production optimization of oil field artificial lift
- Reservoir Engineering
- Well Testing Analysis,
- Integrated Reservoir Management
- Natural Gas Engineering
- Enhanced Oil Recovery Techniques

REASEARCH INTEREST

- EOR of oil reservoir using CO2 Miscible flooding
- Production optimization of artificial lift oil wells
- Well test interpretation of oil and gas well
- Improve productivity of heavy oil reservoir
- Chemically Enhanced Steam Flooding in Deep Formations
- Production data analysis