



Carbonate Workshop, GPC 2021



Title: -

Carbonate Reservoirs in Egypt "Potentiality & Production Optimization"

Date: - November, 24th-26th, 2021

Organizer: The General Petroleum Company (GPC)

Venue/ Location: - Bakr Field, Ras Gharib-Eastern Desert.

<https://maps.app.goo.gl/vnxgavAMnZwhokRP6>

✓ **Overview interest facts:**

▪ GPC 2021 workshop is dedicated to build a platform for technical knowledge share, effective technology applications transfer and building network for the Egyptian and expats in oil & gas industry. NOCs, IOCs, service providers and production partners will meet under one roof in one of oldest Egyptian oil fields.

Billions of oil barrels have been calculated as reserves or observed as resources in carbonate reservoirs, while the contribution of these reservoirs in the total Egyptian hydrocarbon production is very small compared with the clastic reservoirs. The main challenge, in some cases, is related to the poor quality of the carbonate reservoir rocks, this could be created by many reasons such as facies variation, quality of pore network and its impact on porosity and permeability, type and mode of cement distribution. Different perforation and stimulation techniques were adapted to optimize and increase production from such reservoirs.

✓ **Objectives:** -

- The majority of oil fields in Egypt are brown fields, the production from clastic reservoirs rock are steadily declined. Carbonate reservoirs that are penetrated in old fields are either not recognized or in production in some locations with low production rate. The main objective of this workshop is to increase production from brown fields at minimum cost by adding new productive zones through:
 - To share the knowledge of facies variation, complexity and its impact on reservoir quality and production performance.
 - To discuss and elaborate on the success and failure cases of the same carbonate rock units in different fields.
 - To encourage operators to re-visit the abandoned wells to bring them to production and make the best use of their assets.
 - Sharing the knowledge and experience of reservoir and rock characterization and different stimulation techniques which are crucial to increase production from such reservoirs.
 - Increase reserves and production through re-evaluation of the upside potential.

Agenda:

▪ Day One

8.00- 8.20 a.m. **Welcoming Speech**

1. Eng. /Nabil A. Sadek, Chairman of the Board /GPC.
2. Geo./ Ibrahim Abdou, Assist. Chairman for Expl. & Ext. Operations. / GPC.

8.20-9.00 a.m. **Addressing Speech**

1. Geo./Ashraf Farag, First Undersecretary for Expl. & Agreements/ Ministry of Petroleum and Mineral Resources.
2. Eng. /Abed Ezz El Regal, Chief Executive Officer/EGPC.
3. Eng. /Sherif Hassab Allah, Undersecretary for Production /Ministry of Petroleum and Mineral Resources.
4. Geo. /Adel Samaha, Vice Executive Officer for Expl. & Agreements /EGPC.
5. Eng. /Mohamed Baydoun, Vice Executive Officer for Production/ EGPC.

9.00- 10.20 a.m. **" Invited Business Speech "**

1. Geol. Mohamed Radwan
EUG overview and role to develop Carbonate reservoirs in Egypt
2. Mr. Memet Kont (Medittera)
The business model to develop Carbonate reservoirs in Brown fields.
3. Tag Oil
Developing unconventional Carbonate reservoirs.
4. Scimitar
Developing Tar/Heavy Oil, Issaran Field

10.20-10.35 a.m. Coffee Break

10.35-11.15 a.m. **"Invited Technical Presentations"**

- 10.35-11.00 Carbonate Reservoir heterogeneity, Dr. Mohsen Abdel Fattah, Cairo University.
- 11.00-11.15 Some points about carbonate reservoir, Dr. Ahmed Salah
- 11.15-11.35 Schlumberger, I-Core, AI, PNx tools for carbonate reservoir characterization
- 11.35-11.55 Giant Service Co., Artificial Intelligent
- 11.55- 1.00 p.m. Lunch

Technical Sessions “Presentation & Discussion”

1.00- 3.00 p.m. **Session 1 “Eocene Reservoirs”**

Session Chairman:

1.00-1.30 p.m. GUPCO
1.30-2.00 p.m. GPC
2.00-2.30 p.m. Petrobel
2.30-3.00 p.m. Halliburton
3.00-3.30 p.m. Coffee Break

3.30-5.00 p.m. **Session 2 “Brown Limestone”**

Session Chairman:

3.30-4.00 p.m. GPC
4.00-4.30 p.m. Gemsa
4.30-5.00 p.m. Schlumberger

▪ Day Two

8.00-9.30 a.m. **Session 3 “Western Desert Carbonate I”**

Session Chairman:

8.00-8.30 a.m. A/R B & D, GPC
8.30-9.00 a.m. A/R F, Bapetco
9.00-9.30 a.m. A/R G, Khalda
9.30-10.00 a.m. Coffee Break

10.00-11.30p.m. **Session 4 "Western Desert Carbonate II"**

Session Chairman:

10.00-10.30 a.m Appolonia, Khalda
10.30-11.00 a.m Alamein Dolomite, Apache
11.00-11.30 a.m Masajed, Agiba
11.30-11.45 a.m Wrap Up and Closing
11.45-1.00 p.m. Pray & Lunch
1.00-2.00 p.m. Leaving

Workshop format: -

1. Only abstract, 1 page is required and short Biography for the speakers before the workshop.
2. No written manuscript is required.
3. Only power point presentation is required for presentation, 15 minutes followed by 15 minutes' discussion, no specific format is needed.
4. A Geologist and reservoir engineer would be preferred to share the presentation.
5. Slabbed cores, full diameter core samples, plug samples could be shown up to demonstrate the facies quality.
6. Dress code: Semi formal and smart casual.
7. Travelling to Bakr Field on Wednesday of November 24th, 2021 afternoon (arriving time 5:00 pm)