

**Mario Emad Saad Abdel-Malek.**

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## **Education**

**- Member of the presidential leadership program (PLP) for the youth of Arab Republic of Egypt.**

### **Post-Graduation Degrees (PhD & MsC):**

**-Candidate of Doctorate (PhD) Degree in Petroleum Engineering**  
(Faculty of Petroleum & Mining Engineering, Suez University, Egypt)

**-Obtained Master Degree (MsC) in Petroleum Engineering.**  
(Department of Petroleum, Mining and Metallurgical Engineering,  
Faculty of Engineering, Cairo University, Egypt)

**Graduation Year (MsC):** 2019

**Thesis Title (MsC):** "Modeling Hydraulic Fracturing at Deep, HPHT, Shale Gas Reservoirs"

### **University Degree (BSc):**

Bachelor of Petroleum Engineering "Drilling, Reservoir and Production Engineering".

**University (BSc):** Faculty of Petroleum and Mining Engineering, Suez University, Egypt

**Graduation Year (BSc):** 2014 (First stage)

**Average score (for the five years):** Very good with honors, (80.67%), (3.5 GPA).

**Graduation project (BSc):** Very good

**High School:** Menia Modern Secondary School

**Graduate year:** 2009

**Total Score:** 99.9% (The first position on Menia governorate)

**Date of Birth:** 19<sup>th</sup> Oct. 1991

**Military Service:** Exempted

### **Language Degree:**

**-IELTS** "International English Language Test Score" "Academic Module".

**-Berlitz:** (level:7)

**Published Research:** International Journal of Academic and Applied Research  
(IJAAR) ISSN: 2643-9603 Vol. 3 Issue 6, June – 2019

**Topic:** "Modeling Hydraulic Fracturing Of Deep Shale Gas Reservoirs At HPHT Conditions"

**Paper-Link (First of list):** <http://www.ijeaais.org/ijaar/index.php/ijaar-3-6-2019/>

**My English TV interview on the representative English channel of Egypt (Nile TV)**

<https://m.youtube.com/watch?v=xIs4SuCxbVY&t=750s>

### **Professional Certificates:**

**INTERNATIONAL WELL CONTROL FORUM (IWCF)**

Certification Number: DL4S-00091278-SA-8KP1

Valid from 31<sup>st</sup> /Oct/2021 till 30<sup>th</sup> /Oct/2023

**BASIC OFFSHORE SAFETY INDUCTION & EMERGENCY TRAINING (BOSIET) (OPITO):**

CERTIFICATE NO. 5262570019121905780

NO.44688/19/EG

## **Work Experience**

12<sup>th</sup> Aug, 2014 till now

**Company:** Belayium Governmental Owner Petroleum Company (Petrobel), Egypt.

**Job description:** Drilling supervisor "Company man".

## **Drilling Experience**

- Responsible for Application of H.S.E at Rig Site.
- Directs The Drilling Contractors to Adhere to The Safety Guidelines.
- Supervise All Drilling Operations On Drilling Rigs For Both Shallow & Deep Wells:
- Supervise All Rig Operations (Drilling, Logging, Casing or Liners, Cementing, and Completion & Rig Mobilization).
- Dealing with Different Types of Water Base Mud (Spud Mud , Gel Mud, Kcl / Polymer mud, Ultra-drill mud) & Oil Base Mud.
- Supervise Open Hole Fishing Operations also, using Thread & Cut technique for Wire Line
- Supervise Conventional Coring operations.
- Dealing with different Directional Tools (MWD, LWD, Motors, RSS, (Baker-Schlumberger) ATK & Power Drive)
- Supervise Open Hole Side-Track jobs Using Motors, Whip-Stock (Mechanical set)
- Supervise Running Open Hole Logging in Deviated & Vertical wells. (E/L & LWD).
- Supervise Running & Cementing All Casing Sizes, Mechanical or Hydraulic Liner Hanger.
- Calculate Hydraulics to Improve Drilling Parameters.

### **Work-over Experience**

- Dealing with high pressure Gas wells , Killing The Well with Reverse Out Circ. , Long Way Circ. & Bull Heading Techniques).
- Supervising CSG GUN , THR TBG GUN (over balance) & TCP Perforation Jobs (Shoot & Stay, Shoot & Drop & Shoot & Pull) Using Under balance through N2 or Under balance disk.
- Running several types of well completion ( Suck Rod Pump , ESP , Natural & Selective Natural Completion Using Straddle Packer and SSSV, Water injection Completion & Gas Completion )
- Successful Implementation of Numerous Remedial Cementing and Squeeze Operations (high & low pressures )
- Performing Remedial Casing leak or Slippage Using External Casing Patch
- Running Scab liner (Cementing & Non-cementing types) & Tie back packer jobs
- Working with different Wire-Line and Slick-line Operations.
- Supervising Cased Hole Fishing & Milling operations
- Supervising many formation Acidizing,& Hydraulic fracturing jobs.
- Working on re-stub the casing and well head changing.
- Supervising cased hole logs, interpretation CBL –VDL, CAST LOGS & MIT LOG. 1/3
- Supervising many cased hole DST jobs
- Dealing with different types of Tubing (EUE , New-Vam , Vam-Top , PH-6 , Beveled , Vam-Ace , FOX , etc )
- Dealing with different types of tools
- Halliburton DST string (RD,TST,OMNI,LPRN,SELECT TESTER Valves)
- Halliburton PHL , AHC & HPS Hydraulic packers
- Halliburton RTTS & CHAMP Retrievable Packers
- Halliburton Permanent Packer (NWD)
- Schlumberger Flex-Pac Retrievable Packer & Slip joint
- Halliburton Nipples ( X-nipple & XN- nipple) & Baker Nipples (F-nipple & R-nipple)
- Sliding Sleeve Door SSD (XD & GL)
- Halliburton ON-OFF tool & Expansion joint

## **Responsibilities**

- Always plan ahead for the safety and security of well site location and ensure certain measures are in place and completely adhered.

- Review the well programme, take notes of the expected operations risks and plan the best and safest ways to mitigate these risks.
- Have the well site responsibility for operations Pre-planning, co-ordination, and supervision of operation & Daily Co-ordinating and plan ahead with the office drilling team
- Coordinate the well program operations with Drilling Contractors and third parties to ensure execution of the work programme, project procedures while complying to the company HSES policy and best oilfield practices.
- Prepares and Review Material Requests to assure no disruption of operation & Responsible for checking equipment and materials once received on site which is required for performing the planned activities, also responsible to ensure that unnecessary equipment and materials and properly returned back and recorded.
- Organizes pre-job meeting (Operations and safety) for all work.
- Issues Standing Instructions to Drillers for each tour based on 24-hour planner, flagging expected problem areas and what is the straight forward solutions.
- Assures that Standing orders to Drilling contractors are clear, posted and implemented

#### Professional Field Training & Help Missions.

- **Schlumberger** [9/1/2014]  
I attended the course: Introduction to SLB simulators
- **Weatherford** [Several parts that ended on:12/12/2012]  
I attended training sessions for "Surface Mud logging and Hydraulics".
- **Oil and gas skills (OGS)** [14/3/2013 to 16/3/2013]  
I got a certified training about "Drilling Practice and Optimization"
- **NAPESCO company** [5/5/2013]  
I had a field training on types of "fishing tools" and techniques of working.
- **Shell company** [3/6/2013]  
I attended "Drilling Optimization" course.
- **Sino-Tharwa drilling company(ST)** [1/7/2013 to 28/7/2013]  
I had my field training on: rig move, total depth drilling "vertical then directional", three stages of casing and cementing, BOP installation, complete loss problem solving, logging, work over rig for hydraulic fracturing and the successive coiled tubing operations.
- **Petro-Amir petroleum company** [10/8/2013 to 24/8/2013]  
I had my field training on production surface facilities and hydraulic fracturing job.
- **Belayium petroleum company(petro-Bel)** [31/8/2013 to 7/9/2013]  
I was trained in the field on how to perform complete: directional drilling, fishing job, BOP repair, sucker rod repair and junk mill jobs.

#### Honors and Awards

- **American university in Cairo (AUC)** [15/2/2012]  
I attended National Leadership Summit (NLS) after getting (Excellent degree in its English Test).
- **Menia governorate, high schools administration, Mathematical department annual exam** [1/9/2009]  
I had the first position
- **Intelligence & fast thinking competition (Menia governorate)** [1/11/2007]  
I had the second position with a difference of 0.015 from the first position

#### Extra-Curricular Activities and Memberships

- **Society of Petroleum Engineers (SPE).** [1/10/2011 to 1/5/2013]  
I was the academic Public Relations coordinator (PR).
- **American association of petroleum geologists (AAPG).** [1/10/2013 to 1/5/2014]  
I was the academic Public Relations coordinator (PR).
- **Society of Freedom for Development (SFD).** [10/9/2013 to 10/4/2014]  
I did unpaid work to provide services for the society. (ex: education, computer training and coordinating awareness raising programs)
- **Caesar-Trade for the Market trading in currencies.** [1/10/2014 till now]
- **Bayan-Tech (Petrochemicals) and other customers on (www.translatorcafe.com).** [1/12/2014 till now]  
I work as a professional on line translator and interpreter

### **Languages (Reading, Writing, Translating, Speaking and Listening).**

- **Arabic language** Mother language.
- **English language** Fluent "certified by the British council".
- **German language** Very good.

### **Computer Skills**

- **Adobe Photo-Shop** Professional paid designer.
- **Microsoft word, Excel, Power-point and Auto-Cad** Advanced.
- **Computer (internet, programs and windows)** Excellent.

### **Personal Skills**

Self-motivated, creative, talented, team leader, able to travel and adapt anywhere and excellent problem solver.  
I have a driving license valid till "10/2023"

References are available upon request.

### **Egyptian national journals that published my innovative research (use google translation)**

<https://www.almasryalyoum.com/news/details/2243489>

<https://www.albawabhnews.com/3622479>

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<https://www.dostor.org/2618099>

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### **Master Discussion & TV interviews**

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<https://m.youtube.com/watch?v=F9J7s3pe8Ac&t=7s>

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<https://youtu.be/0Z2kEQf6k3U>

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<https://youtu.be/e6jLyZiNiw>

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[https://youtu.be/vN\\_t7EjE7Xc](https://youtu.be/vN_t7EjE7Xc)

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### **Paper journals.**

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[https://m.facebook.com/story.php?story\\_fbid=2510723218964718&id=100000811925015](https://m.facebook.com/story.php?story_fbid=2510723218964718&id=100000811925015)

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[https://m.facebook.com/story.php?story\\_fbid=2166159126754464&id=100000811925015](https://m.facebook.com/story.php?story_fbid=2166159126754464&id=100000811925015)

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[https://m.facebook.com/story.php?story\\_fbid=2113069682063409&id=100000811925015](https://m.facebook.com/story.php?story_fbid=2113069682063409&id=100000811925015)