

# CURRICULUM VITAE

## PERSONAL INFORMATION:

- 1) Name :Khadhr A KH Altarabulsi
- 2) Date of this information : 24<sup>th</sup>-Dec-2024
- 3) Date of Birth : 4<sup>th</sup> -Mar-1987
- 4) Nationality : Kuwaiti
- 5) Marital status : Married, two daughters and one son.
- 6) Contact Phone Numbers : (+965) 99677871
- 7) Email Address : khadhr.altarabulsi@ku.edu.kw

## EDUCATIONAL QUALIFICATIONS:

- Ph.D.** Louisiana State University, Petroleum Engineering, Dissertation title: *"An Improved Method to Calculate the Gas-Lift Dome Set Pressure and Valve Performance Curves"*. Advisor: Dr. Paulo Waltrich, May 2019.
- M.S** Kuwait University, Petroleum Engineering, Thesis title: *"Areal Displacement Efficiency of Polymer Flooding in a Middle Eastern Reservoir-Case Study"*. Advisor: Dr. Abdullah Al-Ajmi. Co-Advisor Dr. Meshal Al-Gharaib., June 2014.
- B.S** Kuwait University, Petroleum Engineering, Jan 2009.

## **WORK EXPERIENCE** :

### **❖ Kuwait University (9 years)**

**Mar.2019 - Now**      **Assistant Professor at the Department of Petroleum Engineering, the Kuwait University**

#### **Courses Taught**

- Natural Gas Engineering 531 [Spring 22/23]
- Petroleum Geology 351 [Fall 21/22, Spring 22/23, Summer 22/23, Fall 23/24, Fall 25/26]
- Introduction to Geostatistics 485 [ Fall 20/21, Fall 22/23]
- Well-Logging 354 [ Fall 19/20, Spring 19/20, Spring 20/21, Spring 21/22, Fall 23/24, Summer 23/24, Fall 24/25 ]
- Probability and Statistics 304 [ Fall 19/20, Spring 19/20, Fall 20/21, Spring 20/21, Summer 20/21, Fall21/22, Spring21/22, Fall 22/23, Spring 23/24, Fall 24/25 , Summer 24/25, Fall 25/26 ]

**Jan. 2015- Mar. 2019**      **Scholarship contract with the Kuwait University to pursue a Ph.D. in Petroleum Engineering**

### **❖ Kuwait Oil Company      (5 years & 2 months)**

**Jan. 2014- Jan. 2015**      **As Head of Contracts & Design Unit**

- Contract holder for A/L II contracts (PCP, SRP & GL).
- Following up on the financial/contractual issues for all A/L II contracts.
- Preparing 5 years budget plan for A/L II.
- Preparing the 2<sup>nd</sup> A.O for WEATHERFORD SRP Contract.
- South Ratqa Heavy Oil analysis study (analyzing & evaluating the performance of the cold and thermal production in South Raqa wells).

**AUG. 2013- DEC. 2013**      **As Petroleum Engineer (MFA Rotation)**  
**Field Development SEK Group (Field Development SEK Team)**

- Cased hole logging interpretation.

- Data validation (flow rates, water cut, wellhead pressures, FBHP, and Portable GOR) for GC-19 wells.
- Overview of GC-Management Activities.
- Understanding of the Greater Burgan Reservoirs.
- Attend all the weekly GC meetings of GC-19 & 11 and present GC activities.
- Diagnose the water fingering/coning in the wells using Chan Chart.
- Involved in the Chemical water shut off projects with R&T Group and presenting the results in the MFA final presentation.
- Reviewing the above/below allowable wells for GC 19.
- Understanding the completion types such as single completion, single selective, dual completion.
- Familiarization with FD software such as (OFM, SAHALA & Petrel).
- Familiarization with Prosper software.
- Familiarization with the Artificial Lift Expert System (ALES) software.

**FEB. 2013- JUN. 2013**

**As Well Surveillance Engineer (MFA Rotation)**

**Well Surveillance Group (Well Surveillance Support Team)**

- Introduced to the “PV” (Photo Voltage) & the “CSP” (Concentrated Solar Power) plant concept and the importance of this technology in generating electricity and reducing CO<sub>2</sub> emissions.
- Taking full responsibility for the CSP & PV project issues.
- Contacting and coordinating with the KOC different teams i.e. (FD, OTS, R&T, and Power Management).
- Involved in the preparation of the feasibility study for the “CSP” project with coordination of the R&T team.
- Review and finalize the Photo voltage (P.V) tender document with T.L Contracts Team II & contracts engineer.
- Estimate the year by year breakdown for the PV tender.
- Involved in the technical evaluation for the vendors.
- Involved in selection of the location for the (5MWe PV Project) in the UG field with R&T (Surface), WSG, and F.D West.
- Involved in the long-term testing facility project (price analysis, vendor price negotiations, and high-level meeting preparations.)

- Filled temporarily the position of Quality Assurance Engineer for the Well Surveillance Group.
- Learned about the Well Surveillance Group Quality Policy and how to be implemented among the group employees.
- Fully arranged, prepared, and handled the Well Surveillance Group Service Quarter Meeting (4<sup>th</sup> SQM meeting 2012/2013) for fourteen service Companies.
- Familiarization with the six-sigma methodology and how the importance of this method in illuminating wastes from processes.
- Proposed Quality plan for the Well Surveillance Group for the year (2013/2014).

**DEC 2011- FEB 2012**

**As Well Surveillance Engineer**  
**Well Surveillance Group (Artificial Lift Team)**

- Ag. Head of AL II 30<sup>th</sup> Sep. till 11<sup>th</sup> Oct. 2012.
- Presented the WSG in the KOC best practice conference for the steam injection tracking system.
- Handling Thermal pilot project contractual issues and tickets.
- Backing up and handling the operation for the thermal pilot project.
- Handling and managing the installation of two HR -PCP WELLS and coordinating with FD, R&T teams, and KUDU Company.
- Prepared the historical AL production.
- Violation in the provided flow meters in the PCP WEATHERFORD contract.
- Following the startup of four new contracts, KUDU, VALCUN, WEATHERFORD, and LUFKIN.
- Contract holder for WEATHERFORD PCP contract.
- Following up on the financial/contractual issues for the WEATHERFORD PCP contract.
- Prepared ticket calculator sheet that fits and fulfills the contract requirements.
- Prepared ticket template that fits and serves the contract.
- Prepared a summary for the contract and the ticket cycle flowchart.
- Prepared the adjustment order for the thermal pilot project.

**JUL2010- till Dec2011**

**As Petroleum Engineer (UD)**  
**Well Surveillance Group (Contracts Support Unit)**

- Appreciation letter from the KOC for preparing the Steam Injection Tracking System.
- Prepared the Steam Injection Tracking System User Guide Manual.
- Main member and supervising the Steam Injection Tracking System.
- Modifying, revising, and attending the KOC-KOTC tender document.

- Cost optimization for the piping works for the Thermal Pilot Project in South Ratqa by arranging with other parties.
- Involved in preparing a feasibility study for converting ESP well to PCP for the entire Kuwait fields.
- Review/approve the invoices and tickets for the Thermal Pilot Project in South Ratqa.
- Prepare Adjustment orders for the current contracts.
- Duty on 4<sup>th</sup> Mar 2011visiting OXY office in Muscat, Mukhaizna *field* in Oman, and *SteamTech* Company Head Office.
- Preparing exam for WEATHERFORD employees' interview.
- Duty on 20<sup>th</sup> Jan 2011visiting AL-ASHRAF office in Abu-Dhabi.
- Arranged with Production Operations and Field Development to prepare and manage deferent jobs in the Thermal Pilot Project in South Ratqah.
- Following up with the contractor and performing inspections on the WEATHERFORD equipment.
- Optimizing the available equipment on-site to reduce the cost for the Thermal Pilot Project in South Ratqa.
- Checking the daily report reading as requested for the Thermal Pilot Project in South Ratqa.
- Arranged with WEATHERFORD for installing a Scada System in South Ratqa wells for the Thermal Pilot Project.
- Well Surveillance Group representative in the field for the Steam Injection Pilot Project in South Ratqa.
- Involved in Placing a PCP in a horizontal well in a new field (South Ratqa).
- Involved in providing a metal to metal PCP from PCM Company for the thermal pilot project in South Ratqa.
- Prepare prequalification for Artificial Lift Team (sucker rod pump)
- Romania Duty on 5<sup>th</sup> August 2010visiting *VULCAN S.A* Sucker Rod Pumping manufacturer to prepare its PQ.
- A preliminary review of contracts with Oil Services cos.
- Modifying PCP, SRP, ESP, GL, and Generator tenders.
- Involved in preparing PCP, SRP, ESP, GL, and Generator tenders.

OCT 2009 – JUL2010.

**As Petroleum Engineer (UD)**

**Well Surveillance Group (Artificial lift team)**

**With Artificial Lift North Kuwait (Sabriah, Roudhtain, Ratqa, and Abdally)/West Kuwait(Um Gedeer and Manageesh)**

- Preparing the daily production report.
- Supervising and witnessing Prod. GOR testing for ESP pumps.
- Supervising function tests for ESP pumps.
- Involved in the installation of ESPs through ESP contractors and workovers.
- Witnessing tear down inspections for ESP pumps.
- Follow up the ESP production test as required.
- Familiar with troubleshooting for the ESP pumps.

- Joined KOC as Petroleum Engineer (UD) on October 18, 2009, in Well surveillance Group, Artificial lift team to get acquainted with the KOC framework and performed the following jobs.

**Publications and Workshops:**

1. Altarabulsi, Khadhr, and Paulo Waltrich. "An Improved Method to Calculate Gas-Lift Valve Set Pressure." SPE J. 29 (2024): 5452-5463. doi: <https://doi.org/10.2118/223096-PA>
2. Altarabulsi, Khadhr, Paulo Waltrich. (2019) " Method to Calculate GL Performance Curves" workshop presented at the 2019 41<sup>st</sup> Annual International Gas-Lift Workshop. Houston.
3. Altarabulsi, Khadhr, Renato Coutinho, and Paulo J. Waltrich. (2017). "Effect of Fluid Properties on the Performance of Gas-Lift Valves." International Conference on Offshore Mechanics and Arctic Engineering. Vol. 57762. American Society of Mechanical Engineers.
4. Najaf, A., Altarabulsi, K., Taha, A., & Alsarraf, Z. (2015). "Steam Injection Tracking System". In SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition. Society of Petroleum Engineers.

**Training, Courses, and Seminars:**

1. From 2<sup>nd</sup> Dec. to 6<sup>th</sup> Dec. 2024, Applied Production Logging and Reservoir Monitoring, NEXT, Pau, France (in-class).
2. From 11<sup>th</sup> to 15<sup>th</sup> November 2024, Electrical Submersible Pumps - ESP, Petroskills, Midland, Texas (in-class).
3. From 13<sup>th</sup>/November/2023 to 17<sup>th</sup>/November/2023, Geological Interpretations of Well Logs, RPS, Stavenger, Norway (in-class).
4. From 3<sup>rd</sup> Oct. to 6<sup>th</sup> Oct. 2023, Hands on Machine Learning for Geoscientists and Engineers, NEXT, Calgary, Canada (in-class).

5. October, 2023, Geostatistics and Data Science: A Practical Introduction to Quantitative Spatial Modeling, RPS, Live Virtual Training.
6. From 27<sup>th</sup> Feb. to 3<sup>rd</sup> Mar. 2023, Well Integrity – Cased Hole Logging and Monitoring, NEXT, Pau, France (in-class).
7. From 12<sup>nd</sup> to 16<sup>th</sup> September 2022, Gas Production Engineering-GPO, Petroskills, Houston, Texas (in-class).
8. From 19<sup>th</sup> to 23<sup>rd</sup> December 2021, Petroleum Geology, Kuwait Oil Company, (Live virtual course).
9. From 11<sup>th</sup> to 14<sup>th</sup> October 2021, Petroleum Geology for non-Geologists, PetroEDGE, (Live virtual course).
10. 1<sup>st</sup> October 2021, Petroleum Geology, The University of Austin Petroleum Extension (PETEX), (online course).
11. 31<sup>st</sup> July 2021 Petroleum Geology for non-Geologists, Energy Training Recourses, (online course).
12. From 12<sup>th</sup> April to 16<sup>th</sup> April 2021, Practical Geostatistics and Mineral Resource Estimation, Training Skills & Knowledge, (Live virtual course).
13. From 19<sup>th</sup> Oct. to 28<sup>th</sup> Oct. 2020, Practical Interpretation of Open Hole Logs, Subsurface Consultancies, and Associates, (Live virtual course).
14. 13<sup>th</sup> Oct. 2020, Basic Geostatistics, Oil and Gas Training.com, (online course).
15. From 21<sup>st</sup> Sep. to 22<sup>nd</sup> Sep. 2020, Geostatistical Reservoir Modeling and Uncertainty Quantification, The European Association of Geoscientists and Engineers, (Live virtual course).
16. From 19<sup>th</sup> Oct. to 28<sup>th</sup> Oct. 2020, Practical Interpretation of Open Hole Logs, Subsurface Consultancies, and Associates, (Live virtual class).
17. 13<sup>th</sup> Oct. 2020, Basic Geostatistics, Oil and Gas Training.com, (online course).
18. From 21<sup>st</sup> Sep. to 22<sup>nd</sup> Sep. 2020, Geostatistical Reservoir Modeling and Uncertainty Quantification, The European Association of Geoscientists and Engineers, (Live virtual course).
19. From 3<sup>rd</sup> Jun. to 5<sup>th</sup> Jun. 2020, Cased Hole Logging, Pekline Energy, (Live virtual class).
20. From 16<sup>th</sup> Nov. to 20<sup>th</sup> Nov. 2014, Thermal Enhanced Oil Recovery, Define Management Consultancy & Training Dubai, United Arab Emirates (External Course).
21. 25<sup>th</sup>/Oct./2014, Personality Patterns, Training Unlimited, Society of Kuwaiti Lawyers, Kuwait.
22. From 28<sup>ed</sup> Sep. 2014. – 2<sup>nd</sup>Oct. 2014 Customer Satisfaction (Internal Course in Petroleum Training Center).
23. From 22<sup>nd</sup> Sep. 2014. – 23<sup>th</sup>Sep. 2014 Forward Thinking (Internal Course in the Well Surveillance Group).
24. On the 4<sup>th</sup> Feb.2014 attending the “2nd KOC Technology Day” (Jumeirah Messilah Beach Hotel & Spa, Kuwait City).
25. On the 29<sup>th</sup> of Jan.2014 “CPR AED” certificate from the American Heart Association (Dasman, Kuwait).
26. From 23<sup>rd</sup> Dec. 2013. – 26<sup>th</sup>Dec. 2013 Teamwork and Team Building (Arabic) (Internal Course in Petroleum Training Center).
27. From 23<sup>rd</sup> Oct. 2013. – 24<sup>th</sup>Oct. 2013 Effective Workover Program and Procedure Preparation. (Internal Course in Field Development SEK).

28. From 30<sup>th</sup> Sep. 2013. – 3<sup>rd</sup>Oct. 2013 Managing Stress and Pressure at Work (Internal Course in Petroleum Training Center).
29. From 15<sup>th</sup> Sep. 2013. – 19<sup>th</sup>Sep. 2013 Weatherford Beam Pump course (Internal Course in Al-Fintas Hotel, Kuwait).
30. From 24<sup>th</sup> Mar. 2013. – 26<sup>th</sup>Mar. 2013, Total Quality Management Toolbox presented by MERIC in Hilton Resort, Kuwait.
31. From 10<sup>th</sup> Feb. 2013. – 14<sup>th</sup>Feb. 2013 Weatherford Progressive Cavity Pump course (Internal Course in Al-Fintas Hotel, Kuwait).
32. From 27<sup>th</sup> Jan. 2013. – 31<sup>st</sup> Jan. 2013, Contractors / Vendors Selection Methods and Pre-Qualification Management (Internal Course in Petroleum Training Center).
33. From 14<sup>th</sup> Jan. 2013. – 17<sup>th</sup> Jan. 2013, Communication and Interactive Skills (Internal Course in Petroleum Training Center).
34. Attended the Weatherford Artificial-Lift Kuwait Seminar from November 19 to20, 2012 in Hilton Resort, Kuwait.
35. Presenter in the KOC best practice conference "Steam Injection Tracking System' 13<sup>th</sup>. May.2012, Hilton resort, Kuwait.
36. From 6<sup>th</sup> May. 2012. – 10<sup>th</sup> May. 2012 Bean Pumping Systems (Internal Course in Hilton resort, Kuwait).
37. From 29<sup>th</sup> April. 2012. – 3<sup>rd</sup> May. 2012 Well Control (Internal Course in Hilton resort, Kuwait).
38. From 2<sup>nd</sup> April. 2012. – 5<sup>th</sup> of April. 2012, Negotiation Skills-Basic (Internal Course in Petroleum Training Center).
39. دورة السرية الخاصة بمؤسسة البترول الكويتية 22<sup>nd</sup>. Feb. 2012, E-learning.
40. From 12<sup>nd</sup> Dec. to 14<sup>th</sup>Dec. 2011, SPE Heavy Oil Conference & Exhibition, Hilton Resort, Kuwait.
41. From 13<sup>th</sup> Nov. to 17<sup>th</sup>Nov. 2011, ESP Principles, General Electric-Wood Group, Kuwait (Internal Course).
42. From 30<sup>th</sup> Oct. to 3<sup>rd</sup>Nov. 2011, PCP & Jet Pumping Systems, Next, Kuwait (Internal Course).
43. From 2<sup>nd</sup> Oct. to 3<sup>rd</sup>Oct. 2011, KOC-HALIBURTON Heavy Oil Work Shop, Hilton Resort, Kuwait.
44. From 12<sup>th</sup> Sep. to 16<sup>th</sup> Sep. 2011, Artificial Lift Systems, Petro Skills Midland, Texas (External Course).
45. دورة قواعد سلوك العمل الخاصة بمؤسسة البترول الكويتية 15<sup>th</sup> Jun. 2011, E-learning.
46. 12<sup>th</sup> Apr. 2011, "Emotional Intelligence Workshop" Kuwait University.
47. From 20<sup>th</sup> Nov. to 22<sup>th</sup>Nov. 2011, E-BEAMS System, Kuwait (Internal Course).
48. From 10<sup>th</sup> Jan 2010. – 13<sup>th</sup> Jan 2010, Business writing Techniques-Basic (Internal Course in Petroleum Training Center).
49. From 3<sup>th</sup> Jan 2011. – 6<sup>th</sup> Jan 2011, Creative Problem Solving (Internal Course in Petroleum Training Center).
50. From 13<sup>th</sup> December 2010. – 16<sup>th</sup> December 2010, Time Management (Internal Course in Petroleum Training Center).
51. From 27<sup>th</sup> September 2010. – 20<sup>th</sup> October 2010, Contract Administration (Internal Course in Petroleum Training Center).
52. From 17<sup>th</sup> October 2010 to 18<sup>th</sup> October 2010 attended the HAZID workshop for the Enhanced Oil Recovery project in the Lower Fares Formation of Ratqa field.
53. From 26<sup>th</sup> July 2010. – 29<sup>th</sup> July 2010, Rights and Obligations of Employees in Civil Services Regulations (Arabic) (Internal Course in Petroleum Training Center).
54. 8<sup>th</sup> November 2009: Injury Prevention (Internal Course).

55. 9th November 2009: Seat Belt Convincer & Rollover Simulator (Internal Course).
56. 30th March 2010: Safety Observations and Conversations (Internal Course).
57. From 21st March 2010 to 25th March 2010 Flare Artificial Lift (Gas Lift) Course. (Internal Course).
58. From 13th December to 17th December 2009 Baker Hughes ESP Course. (Internal Course).
59. 29th November 2009 Defensive Driving Course (Light) (Internal Course).
60. 8th November 2009: Injury Prevention (Internal Course).
61. 3rd November 2009: Workshop Safety (Internal Course).
62. 3rd November 2009: Radiation Hazards Awareness. (Internal Course).
63. 3rd November 2009: Pressure Hazards Awareness (Internal Course).
64. 3rd November 2009: Noise Hazards Awareness (Internal Course).
65. 3rd November 2009: Mechanical Lifting Hazards Awareness (Internal Course).
66. 3rd November 2009: H2S Hazards Awareness (Internal Course).
67. 3rd November 2009: Explosive Hazards Awareness (Internal Course).
68. 2nd November 2009: Personal Protective Equipment (Internal Course).
69. 2nd November 2009: First Aid Awareness (Internal Course).
70. 2nd November 2009: Fire Hazards Awareness (Internal Course).
71. 2nd November 2009: Emergency Response (Internal Course).
72. 2nd November 2009: Electrical Hazards Awareness (Internal Course).
73. 1st November 2009: Risk, Near Miss & Hazards Reporting. (Internal Course).
74. 1st November 2009: Risk, Near Miss & Hazards Reporting. (Internal Course).
75. 1st November 2009: Risk Management. (Internal Course).
76. 1st November 2009: KOC HSE MS. (Internal Course).
77. 1st November 2009: HSE Live Reporting. (Internal Course).
78. 1st November 2009: HSE Important Definitions. (Internal course)
79. 1st November 2009: Environmental Awareness (Internal Course).
80. 29th October 2009 Defensive Driving Course (Internal Course).
81. From 26th October 2009 to 29th October 2009 First Aid course (Internal Course).
82. 25th October: Office / Home Safety (Arabic). (Internal Course in Petroleum Training Center).
83. From 15th Jun-24th July 2008. Six weeks training course in the K.O.C in Field Development North Kuwait
84. July 2005 Volunteer in Maaly Youth Center as a Supervisor.
85. 2003 Advance level in Avionic department in Kuwait Science Club.
86. From Jun 2000-2004 Member in Kuwait Science Club in Electronics, Physics and Avionic departments.
87. September 2001, 20-hour training course in Windows-Excel-Power Point-Internet at the Faculty of Engineering, Beirut Arab University.

## **Computer Skills**

- *Microsoft Office, C++ programming.*

## **Professional Memberships**

- *Member - Society of Petroleum Engineers.*
- *Board Member of the European Association of Geoscientists and Engineers 2024/2025*
- *Member - European Association of Geoscientists and Engineers*