

Curriculum Vitae

Personal Details

Full Name: AHMED RAFIQ BAJALAN
Date / Place of Birth / KHANAQIN 04/09/1986
Nationality: IRAQI / KURDISH
Marital Status: SINGLE
Languages KURDISH , ENGLISH , ARABIC

Contact Details

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Education and Qualification

- **HERIOT WATT UNIVERSITY** : Institute of Petroleum Engineering , **MSc Petroleum Engineering** 2013-2014 , Edinburgh , Scotland , United Kingdom .
Module included: Petroleum Geo-Science , Reservoir Engineering, Drilling Engineering, Formation Evaluation, Reservoir simulation, Petroleum economics, Production Technology.
Thesis research “ *Planning Underbalanced drilling in Horizontal Wells to Minimise formation damage* ” General Estimation “ V.GOOD ”
- **UNIVERSITY OF KOYA** : Faculty of Engineering , Department of Petroleum Engineering **BSc. Petroleum Engineering** , (2008-2009) , Koya , Kurdistan Region , Iraq .
Dissertation “ *The Possibility of Using Electrical Method for Oil and Gas Exploration*”
General Estimation “ GOOD ”

Occupational Career & Work Experience

➤ **Knowledge University (Sep 2015 – Jun.2019)**

Position **Lectuer**

Responsibilities

- Conducts a lecture on fundamental of drilling engineering equipments , activities and operation
- Principle and practices of petroleum well drilling , well planing , drilling techniques .
- Types of drilling fluids , Engineering calculation of drilling fluid , drilling fluid experiments .
- Casig and cementing design .

➤ **Nobel Institute for Oil and Gas (October 2016 - Jun 2019)**

Position **Lectuer**

Responsibilities

1. conducts theoretical and practical lectures on drilling services for 2nd stage .
2. Well logging and formation evaluation tutorials for 2nd stage students

➤ **Erbil Polytechnic University / Koya Technical Institute / Petroleum Technology Dep.**
(Nov.2014 - Sep. 2017)

Position **Lectuer**

Responsibilities : Deliver theoretical and practical lectures on oil and gas technology .

➤ **Production Operator / Central Process Facility (C.P.F)(September 2009 to April 2010)**

Location DNO Norway Oil Company / Tawke Oil Field / Zakho / Kurdistan Region

Responsibilities:

- Controlling and Monitoring (PLC) system.
- Supervise crude oil separation process (First, Second, and Test) Separators and monitoring (pressure, level, and temperature) of separators
- Provide technical support to guarantee the production operations are performed in and efficient manner to maximize the daily cure oil production.
- Operate equipment safely and effectively for production process.

➤ **Contorl Room Production Operator / Tawke Oil Refinery (April 2010 to March 2011)**

Location DNO Norway Oil Company / Tawke Oil Field / Zakho / Kurdistan Region .

Responsibilities:

- Worked as a control room operator on Distributed Control System (DCS)
- Preparing and make up chemical injection materials for refinery unit like; Corrosion Inhibitor, Neutralizer, Caustic Soda and Sodium Sulphate.
- Participate in the preparation of minor and major shutdowns of the unit with all other parties in order to optimize duration.

Certifications

- Certificate of participation in “**Water resources and environmental challenges in Kurdistan region -Iraq**” Workshop held by Knowledge University on 18 – 19 Feb, 2019.
- Certificate of completing online course about “**Oil and gas drilling process**”, on Jan.10,2018 taught by Dynamic Knowledge on Udemy
- Workshop certification on ‘**Research Excellence**’ on 13the December, 2017. Organized by Erbil Polytechnic University in association with KSCIEN organization.
- Certificate of participation in 2nd EPU Symposium “**Internationalization of Scientific Research in Kurdistan**”, 2/3 May 2017, Erbil Polytechnic University, Kurdistan, Iraq
- **3rd International Earth Day** certificate, Collage of Engineering, Knowledge University, 10th of May 2017.
- Certificate of participation as a Trainer in training course on “**Overview of Petroleum Industry / Well testing operation and interpretation**”, Drilling department, Noble Petroleum Institute, 4-7 March, 2017.

- Period from (Jan 2013 – August 2013). *Academic English Pre-Sessional* Course at Heriot-Watt University, Edinburgh, Scotland, United Kingdom.
- Achieved an overall band score 6.0 in **IELTS** in May 18th 2013 in Edinburgh, Scotland, UK.
- Period from (October 2011-May 2012). *Academic English Preparation Program* (AEPP) at Aberdeen University, Aberdeen, Scotland, United Kingdom.
- Successfully completed a training course on “**Reservoir Geology**” chaired by TOTAL PROFESSEURS ASSOCIES (TPA), Jordan University of Science and Technology, Jordan in Sep.2009.
- Successfully completed two weeks training course on ‘**Rig – Site procedure**’ which held by Taq Taq Oil Operating Company (TTOPCO) in 8th August 2008.

Computer Literacy

- **General & Graphics Applications**
 - Confident in Microsoft office MS packages (Power point , Excel , Windows).
 - Experinced in social media feeds and web content.
- **Petroleum Engineering:** Confidence in used industry software such as :
 - ECLIPSE/ RE-Studio 100 (Reservoir Simulation)
 - WellFlo (Production & Completions Design)
 - Pansysystem (Well Test Analysis)
 - TechLog (Interpretation of Logging Data)

MEMBERSHIP IN PFROESSIONAL SOCIETIES

- Member of Society of Petroleum Engineering (SPE) / Aberdeen Chapter from 2013-present .
- Member of Kurdish Engineering Syndicate from 2009 – Present .
- Peer reviewr member in OMIC Group , Open access journal . 2015- present.

PUBLICATIONS

1. Ahmed R. Bajalan (2018) “ *An Experimental Study on the Effect Of Xanthan Gum Polymer on the Physical Properties of WBM Drilling fluid* ”, Journa of Erbil Polytechnic University , Issue 1 , volume 8 .
2. Ahmed R. Bajalan (2016) “*Effect of (iron , nicke , zinc) metal particles on Heavy oil viscosity redyction*” , International journal of advanced Scientific and technical research . Issue 5 Volume 4 .
3. Ahmed R. Bajalan (2015) “ *To what extent Could shale gas ‘ fracking’ Contaminate ground water* , Petroleum and Environmental Biotechnology Journal , 6:5.
4. Ahmed R. Bajalan (2015) “ *Planning UBD in horizontal well to minize foramation Damage* ”, Petroleum and Environamtal biotechnogy ” 6:2