

Engr. Umer Ahmed Khan



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CAREER OBJECTIVE:

Seeking a career with a well – reputed and civic organization that can provide the opportunity for becoming a well-recognized professional and ultimately attaining self – satisfaction

EDUCATION:

Degree	Year	Institution	Percentage/GPA
M.Sc. (Petroleum and Gas Engineering)	2020-2022	University of Engineering & Technology, Lahore	4.0
B.Sc. (Petroleum and Gas Engineering)	2016 – 2020	University of Engineering & Technology, Lahore	3.35
F.Sc. (Pre-Engineering)	2013 – 2015	Pakistan International Public School and Boys College, Abbottabad	70%
Matriculation (Science)	2011 – 2013		90%

PROFESSIONAL EXPERIENCE:

NED UET Karachi

March 2023 – January 2025

Lecturer on contract

- Taught Courses:
 - Fundamentals of Petroleum Engineering
 - Structural geology and Geophysical Exploration
 - Reservoir Engineering-II
 - Fundamentals of Well Logging
 - Oil & Gas Field Production Facilities
- Internship Focal person
- Students Counsellor

Reservoir Solutions

August 2023

- One Month Petrophysics internship.

Abacus Consulting

March 2022 – April 2022

Customer Support Executive Voice for Careem U.A.E and Qatar Client, handling:

- Careem Now (Food), Careem Shops, Careem Order Anything (OA): Customer, Captain and Restaurant Queries and resolving them.

MOL Pakistan Oil and Gas Co. B.V.

Jun 2019 – Jul 2019

Productions/Process and Drilling Intern at Central Processing Facility MOL:

- Understood the well completion jewelry design with generalized overview of surface facilities required to meet the daily contract demands of Oil, Gas & Liquefied Petroleum Gas (LPG).
- Understood the key processes involved in drilling operations, including the functions of all the equipment operating on and around a drilling rig, laboratory analysis of drilling mud, well logging, cementing, MWD, LWD, along with the important HSE drills.

PROJECTS

A Comprehensive Approach for Integrated Asset Management of Dry Gas Reservoirs

Final Year Project

Sep 2019 – May 2020

- From fluid characterization to integrated production model, a field was developed utilizing literature survey, optimized parameters for well modeling, 2D tank model and surface facilities with various depletion strategies. An economic sheet was also developed for evaluation of OpEx. and CapEx. The most suitable case was extracted at the end of the study.

Analyzing the Effect of Heterogeneity and Crude Oil Viscosity on Water flooding Performance using Simulation Approach

M.Sc. thesis

Sep 2021 – Aug 2022

- A 3D reservoir model was developed using a commercial reservoir simulator based on the data extracted from literature. The effect of various parameters like reservoir heterogeneity, crude oil viscosity, water injection rate and capillary pressure on the performance of water flooding was evaluated. A total of 26 cases were compared and the most suitable scenario was highlighted based on the recovery factor.

COMPUTER SKILLS:

ECLIPSE (RESERVOIR SIMULATION)	PIPESIM OF SCHLUMBERGER
MBAL OF IPM SUITE	PROSPER OF IPM SUITE
GAP OF IPM SUITE	MICROSOFT OFFICE
OCTA/APOLLO/SATURN/JIRA/SLACK/ZENDESK/SOLUTIONS	TOUGH 2 / TMVOC

EXTRACURRICULAR ACTIVITIES:

- **SPE UET LSC (Executive member) • ASHRAE UET LSC (Team Lead)**
- **UET MUN (PR Team)**

INTERESTS:

Table Tennis | Debating | Documentaries | Scientific Articles Reading | Socializing