

DEPARTMENT OF PETROLEUM ENGINEERING
PE-410 FINAL YEAR DESIGN PROJECT
PROJECT LIST

Batch: 2022

Semester: FALL

SR. NO.	PROJECT TITLE	STUDENT NAME	SUPERVISOR/CO-SUPERVISOR	INDUSTRY
01	Field Development Plan: Assessment of Reserves and Production Potential Through Material Balance and Well Performance Analysis.	1. Muhammad Anas Jawaid PE-22016 2. Zayan Khurshed PE-22018 3. Mustafa Kazmi PE-22031 4. Obaid-Ur- Rehman PE-22040	Dr. Fareed Iqbal Siddiqui	Mr. Syed Shahzain Ali (PPL)
02	Reservoir Modeling of CO ₂ Storage in Depleted Fields Using Compositional Simulation in T-Navigator.	1. Shoaib Bashir PE-22022 2. Massab Hasnain PE-22033 3. Yousuf Bin Arif PE-22035 4. Syed Amanullah PE-22036	Dr. Fareed Iqbal Siddiqui	Mr. Saad Abrar (PPL) Mr. Majid Najeeb (PPL)
03	Application of Underbalanced Drilling to Enhance Reservoir Productivity in A 50% Pore Pressure Depleted Field-A.	1. Umm-E-Roman PE-22006 2. M. Areeb Khan Sherwani PE-22014 3. Abu Hurairah Hasnain PE-22017 4. Sami-UL-Haq PE-22021	Dr. Aftab Hussain Arain	Mr. Muhammad Umair (PPL)
04	Application of Coiled Tubing Drilling as an Alternative to Conventional Drilling and Work over Operations for Enhanced Productivity in Depleted Sandstone Formations.	1. Ramin Shahab PE-22001 2. Jaweria Sajid PE-22005 3. Tanzeela Affandi PE-22010 4. Muhammad Mustafa PE-22039	Dr. Aftab Hussain Arain	Mr. Yasir Irfan (PPL)
05	Artificial Lift Application Design in Brown Field Wells for De-Liquification and Production Optimization: A Case Study.	1. Shaikh Bilal Majid PE-22019 2. Hamza Ahmed PE-22015 3. Muhammad Faizan Khan PE-22034 4. Muhammad Shayan PE-22025	Dr. Aftab Hussain Arain	Engr. Abdul Asad (SPRINT)
06	Improving Drilling Performance: A Practical Study for Real-Time Optimization of Drilling Parameters Using MWD/LWD Technologies to Minimize Non-Productive Time and Enhance Operational Efficiency in Complex Deviated Wells.	1. Midhat Syed PE-22003 2. Aliza Hussain PE-22007 3. M. Affan Uddin Ali Khan PE-22024 4. Wajih Hasan PE-22026	Dr. Syed Imran Ali	Mr. Aftab Hussain (HILONG) Syed Muhammad Aun Ali (HALLIBURTON)
07	Nano-Enhanced Smart Drilling Fluids: A Novel Approach of Carbon-Zinc Oxide Synergy for Improved Mud Properties and Acid Solubility Insights of Weighting Materials.	1. Syed Hamza Hussain PE-22037 2. M. Ashal Abbas Zaidi PE-22028 3. Muhammad Anas Ahmed PE-22032 4. Zohaib Rajput PE-22030	Dr. Shaine Mohammad Ali Lalji	Mr.Usama Nadeem (HALLIBURTON)
08	Monitoring and Controlling of Asphaltene Deposition in Crude Oil.	1. Muhammad Sami Khan PE-22013 2. Faiq Azhar Abbasi PE-21024	Dr. Syed Imran Ali	Mr. Muneeb Burney (ARAMCO)

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