

## **CURRICULUM VITAE**

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1. **FATHERS NAME:** Muhammad Usman Samoon
2. **DATE OF BIRTH (In Figures):** 01 - 10-1967  
**(In Words):** First October, Nineteen hundred Sixty seven
3. **MAILING ADDRESS:**
  - a) **Home:** House No 826, Malik Parro, Taluka Kotri, District Jamshoro, Sindh
  - b) **Office:** Assistant Professor, Institute of Petroleum & Natural Gas Engg.  
Mehran University of Engineering & Technology Jamshoro.  
Sindh-Pakistan.
4. **DETAILS OF QUALIFICATION:**  
B.E. (Pet & Gas Engg:)  
PGD leading to ME(Petroleum)
5. **RESEARCH PROJECT/THESIS DURING FINAL YEAR OF BE:**  
*“The Detailed Study of Design and Construction of Pipelines for Gas/Oil”*

6. **DETAILS OF EXPERIENCE:**

	<b>Name of the Organization</b>	<b>Post hold &amp; Grade</b>	<b>From</b>	<b>To</b>	<b>Duties</b>
1	Mehran University of Engineering & Technology, Jamshoro.	Asstt. Professor (B-19)	14 <sup>th</sup> Dec'2K	To-date	Teaching & Incharge of the Gas Engineering Laboratory
2		Lecturer (B-17)	29 Feb.'96	13 <sup>th</sup> Dec'2K	
3		Demonstrator (B-16)	19 Aug.'93	28 Feb.'96	Supervision of Gas Engineering Laboratory & Teaching

7. **SUBJECTS TAUGHT BY ME:**

- a) Introduction to Petroleum Engineering
- b) Natural Gas Engineering-I, II, III
- c) Reservoir Engineering
- d) Petroleum Production Operations
- e) Fluid and Flow Mechanics
- f) Instrumentation & Control
- g) Drilling Fluids
- h) Natural Gas Processing, Transmission & Distribution
- i) Secondary Methods of Oil Recovery
- j) Gas Reservoir Engineering
- k) Gas Engineering

**SUBJECTS STUDIED DURING PGD LEADING TO ME (PETROLEUM)**

- a) Advanced Reservoir Engineering
- b) Advanced Drilling Engineering
- c) Pressure Transient Testing
- d) Geophysical Problems
- e) Production Optimization
- f) Well Completion & Stimulation
- g) Reservoir Simulation
- h) Enhanced Oil Recovery
- i) Reservoir Engineering Management
- j) Advanced Well Logging & Interpretation
- k) Gas Processing

8. **RESEARCH PROJECT/THESIS SUPERVISED/GUIDED TO THE STUDENTS OF FINAL YEAR BY ME:**

- a) "A Case Study of Low Pressure Gas Distribution" at Doulatpur Saffan Town, Nawabshah, (Batch-91).
- b) "A Case Study of Surface Production Facilities" available at Golachi Gas Facility Badin, (Batch-93).
- c) "A Case Study of Reservoir Fluid Separation" at Tando Alam Oil Complex, Hyderabad (Batch-95).
- d) "Removal Of Acid Gases By Amine Treatment Process" at Golarchi, Badin (Batch-96).
- e) "Rotary Drilling & Casing Design" (Batch-99)
- f) "Evaluation of Water Coning and Remedies" (Batch-01)
- g) "Case Study of Development of Daru Gas-Condensate Field" (Batch-01)
- h) Trouble Shootings/Operational Problems In Natural Gas Processing (Batch-02)
- i) Condensate Stabilization & Gas Treatment: A Case Study of Naimat Basal Gas Field (Opii) (Batch-03)
- j) Methane (CH<sub>4</sub>) & Carbon Dioxide (CO<sub>2</sub>) Injections to Improve Oil Recovery (Batch-03)
- k) Implications of Unaccounted for Gas In Transmission, Distribution System & Possible Remedial Measures (Batch-04)
- l) Use of Logging Methods for the Detection of Natural Fractures (Batch-04)
- m) Hydraulic Fracture Design And Fracture Geometry Modeling (Batch-04)
- n) Study Of Perforation Techniques For Optimum Recovery (Batch-04)
- o) Water Shut-Off Techniques In Oil/Gas Wells (Batch-05)
- p) Enhanced Oil Recovery By Carbon Dioxide (CO<sub>2</sub>) Flooding (Batch-05)
- q) Hydraulic Jet Pumping (Batch-06)
- r) Field Study Of Gas Meters And Gas Measurement System (Batch-06)
- s) Extraction Of Natural Gas From Tight Gas Reservoir By Hydraulic Fracturing (Batch-07)
- t) Treatment And Processing Of Natural Gas (Batch-07)

9. **ACHIEVEMENTS:**

- a) Obtained “*Silver Medal*” on Securing 1<sup>st</sup> position in BE Final year.
- b) Attended in-house training program on “*Introduction to Petroleum Reservoir Engineering*”.
- c) Attended course on “*Spectroscopic Techniques*” by University Grants Commission.
- d) Attended course on “*English Language Improvements & Class Room Methods*”.
- e) Attended course on “*Lecturing Methods*”.
- f) Attended course on “*Effective Management & Communication Skills*”.
- g) Attended the course on “*Practical Aspects of Reservoir Engineering*”.
- h) Attended the course on Computer Programming “C++”.
- i) Attended & Qualified Six Months Computer Course At CTC, UGC, Islamabad.
- j) Attended course on “*The Art of Mud Logging*”.

10. **LANGUAGE PROFICIENCY:**

English, Sindhi and Urdu.