

# Sohil Shah

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## Experience

**Job title:** Superintending Engineer (Production), Stimulation Operations  
**Organization:** Oil & Natural Gas Corporation Ltd, Well Stimulation Services, Ahmedabad (India)  
**Duration:** Jan 2023 - till now  
**Key Highlights:**

- Preparation of scope of work and special conditions for tendering process
- Contract handling for hired acid pumping units and acid tankers
- Preparation of chemical and spare requirement, handling chemical and spare consumption for smooth operations
- Designing and planning well stimulation operations such as organic acid, mud acid, nitrified acid, solvent treatment for all the onshore fields of India of ONGC
- Maintaining documentations for ISO certification and audits
- Liaison with state government for various chemical licenses and pollution control norms

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**Job title:** Executive Engineer (Production), Stimulation Operations  
**Organization:** Oil & Natural Gas Corporation Ltd, Well Stimulation Services, Ahmedabad (India)  
**Duration:** Jan 2018 – Dec 2022  
**Key Highlights:**

- Key member of a team of 24 associates responsible for executing various stimulation operations in western onshore fields of ONGC
- Execution of well stimulation operations such as organic acid, mud acid, nitrified acid, solvent treatment for all the onshore fields of India of ONGC
- Increased oil production in more than 100 wells in a year across western onshore fields of ONGC through well stimulation operations
- Maintaining documentations for ISO certification and audits

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**Job title:** Assistant Executive Engineer (Production)  
**Organization:** Oil & Natural Gas Corporation Ltd, Well Stimulation Services, Ahmedabad (India)  
**Duration:** June 2013 – Dec 2017  
**Key Highlights:**

- Project lead for creation of in-house expert system for matrix acidization - Acid<sup>Ex</sup> which will impact the entire organization
- As a team lead, coordinated with programmers and a team based in Germany (Organization: KATT GmbH) for instrumentation troubleshooting
- Enabled real time data recording for acid jobs first time ever in onshore fields of ONGC resulting into better analysis and more efficient site operations

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**Job title:** Petroleum Engineer, Project Consulting Group  
**Organization:** Weatherford Engineered Support Services (Kuwait)  
**Duration:** January 2013 – June 2013  
**Key Highlights:**

- Consulting for various projects of Weatherford all around the world for oil production optimization
- Worked at Kuwait, for Kuwait Oil Company (KOC) for their Kuwait Integrated Digital Field (KwIDF) project: Purpose of project was to optimize the production of a field of KOC and increase oil production by 5%

## Recent Key Projects

Title: Increasing oil production of eastern onshore fields of ONGC by stimulation operation  
Organization: Well Stimulation Services, Ahmedabad, ONGC, India  
Duration: 2020 – till now  
Key Highlights:

- Candidate selection for oil producers and water injector wells and designing appropriate stimulation technique to improve production
- Executed strategy improved production of various oil producer wells of Nawagam field and injection of polymer injection wells of North Kadi field

Title: Expert System for Matrix Acidization, Acid<sup>Ex</sup>  
Organization: Well Stimulation Services, Ahmedabad, ONGC, India  
Duration: 1 year (2017)  
Key Highlights:

- Aim of the project was to prepare a one of a kind expert system for 'matrix acidization' and to reduce dependencies on domain experts
- Acid<sup>Ex</sup> was inaugurated by the Minister of Petroleum and Natural Gas, Govt. of India
- Resulted into 24% more successful stimulation operation with effectiveness increased up to 126%

## Professional Achievements

- Recipient of group CMD award for 'Production enhancement through stimulation techniques in wells of Nawagam field and effective stimulation of Polymer Injection wells of North Kadi field' (2022)
- Runner up for the innovation challenge - 2022 for the concept 'Application of foamed acid for effective stimulation of low pressure wells by enabling larger exposure of acid in sandstone reservoir'
- Award by Executive Director, WSS Ahmedabad for exemplary performance for acidization services (2020)
- Awarded group innovation award for the 'Development of Matrix Acidization Expert Software: Acid<sup>Ex</sup>' by Chairman & Managing Director (CMD) of ONGC (2018).
- Received copyright for the software Acid<sup>Ex</sup> (No: SW-10292/2018) which is being used for successful Acidization for wells in western onshore fields of ONGC
- Ranked amongst the top 10 in the university throughout the graduation

## Publications

- Successful Matrix Acidization Using Organic Acid System for Sandstone Reservoir of Western Onshore Fields of India: A Case Study (SPE-185393-MS)
- Leveraging digital signals for interpretation of acidization job efficacy through in-house developed on-line monitoring expert system: Acid<sup>Ex</sup> (PetroTech - 2019)

## Other Projects

- Commissioning of Acid Pumping Unit for stimulation operations with coordination of a team based in Germany (2015)

## Academic Qualifications

Exam / Degree	Year	Name of Institute	University / Board	Percentage / Percentile
B.Tech	2012	School of Petroleum Technology	Pandit Deendayal Petroleum University	8.12 (out of 10)
H.S.C	2008	Shri Sarveshwara Vidyamandir	Gujarat Secondary and Higher Secondary Board	86.80 % / 99.2
S.S.C	2006	H.S.Parikh Memorial High School	GSEB	95.43 %