**Name**  Muhammed Sadiq **Sex** Male

**Date of Birth** 4th August, 1987 **Nationality**  Indian

**E-mail** [sadiq\_iitb@yahoo.com](mailto:sadiq_iitb@yahoo.com) **Mobile**  +91-9410390026

**CARRER SUMMARY**

Successful Senior Petrophysicist, with five years’ experience in Petrophysical evaluation of **carbonate** and sandstones -Electro-Facies study / Litho-Typing / Reservoir Rock-Typing -CCAL and SCAL Core data analysis -Processing and interpretation of advanced logs (NMR, DSI, FMI etc.) –One year of practical experience in wireline openhole and casedhole logging operations. Well versed to work in the field of Formation Evaluation to integrate wireline log and core analyses. Enjoy working with multidisciplinary team and under stressfull and time-limited conditions

**INDUSTRIAL EXPERIENCE**

**Oil and Natural Gas Corporation Ltd. (ONGC), Geo Data Processing and Interpretation Centre, Dehradun, India** [July 2014– till date]

Currently working for Petrophysical evaluation of wells in India. The job role is co-ordination and provision of all aspects of petrophysics within a multidisciplinary team environment with following responsibilities:

* Log Evaluation: Log Data QC, Editing, Depth matching, conditioning, processing and Interpretation of standard and special log data like NMR/CMR, DSI, FMI, RST, pressure tests, cement evaluation and production logging
* Study of **Carbonate depositional environment through log analysis and core data integration**
* Working in a multidisciplinary team to Provide Well-Log data Processing and Interpretation inputs of both onshore and offshore wells to Basin Group to carry out seismic inversion
* Formation Evaluation using multi-mineral models based on error minimization techniques using **Geolog and Geoframe software**
* NMR data application for Advanced Formation Evaluation Thin bed analysis approach. Core NMR data analysis and calibration for (CMR+) log interpretation, interpreting T2 cut-offs, **NMR facies interpretation, pore geometry and capillary pressure analysis, pore-throat and size analysis of carbonate reservoirs**
* Processing and interpretation of Image logs like FMI, STAR for **fracture identification and porosity classification in carbonate** and sandstone reservoirs
* Perform volumetric assessments and participate in hydrocarbon in place assessment
* Promotion of technology development within ONGC
* Participate or organize data-rooms, make quick look estimations for exploration projects and advise project teams and management on exploration risks and opportunities
* **Lecture and explain logging technology to reservoir, G&G and other disciplines**
* Data presentation through workshops & presentations to project teams, peers and management
* Cooperate with other departments in all matters of log data acquisition, administration and evaluation

**Oil and Natural Gas Corporation Ltd. (ONGC), Mehsana Asset, Gujrat, India** [May 2012– June 2014]

* Worked mainly on field to carry out onshore wireline openhole and casedhole logging operations
* Plan, prepare and coordinate to carry out Logging Operations onshore in Mehsana field, India.
* Cost estimation of operations, QC and quick look analysis
* Coordinate to carry out timely calibration of logging tools
* Coordination and monitoring of wireline logging operations done by Contractors
* Supervision of contractor personnel and mentoring of staff to ensure technical integrity of projects
* Responsible for obligations resulting from HSE program and activity plan within the working area
* Evaluation of Production logs and give valuable inputs to Production team to enhance production

**Essar Oil Ltd – India [Aug 2011– April 2012]**

* Worked on **Promax software using real as well as synthetic data** to analyse results generated from different migration schemes
* Compared results generated from pre-stack and post-stack time migration
* Provided qualitative and quantitative results of different schemes and concluded that **reverse** **time migration** gives best results

**ACADEMIC QUALIFICATION**

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| --- | --- | --- | --- |
| **Discipline & Specialization** | **Duration** | **University/Institute** | **CPI %** |
| M.Sc.(Applied Geophysics) | 2009-2011 | Indian Institute of Technology Bombay | 8.85/10 |
| B.Sc.(H) Physics | 2006-2009 | University of Delhi | 6.7/10 |
| Intermediate (10+2) | 2004-2006 | Central Board of Secondary Education | 7.6/10 |
| Matriculation | 2004 | Central Board of Secondary Education | 7.92/10 |

**ACCOLADES & ACHIEVEMENTS**

* **Best Petrophysicist award** for “significant contribution in bringing out new prospective area with large upside potential in KG offshore Blocks” by Geodata Processing & interpretation Centre, ONGC (2015-16)
* Best Graduate Tranee of 2012 GT Batch by ONGC (2012)
* Awarded **Merit Scholarship** by IIT Bombay (2009-2011)
* Among the **20 students** from **all over India** who are **awarded sponsorship** for attending **and representing their institutes at Petrotech-2010, 19th International Oil and Gas Conference (2010)**
* **All India Rank 32** in the **IIT** **Joint Admission Test-2009**
* Awarded **Certificate of Excellency** in “Foundation of Seismic Techniques” course by the organization Total Professeurs Associes, France (2009)

**CONFERENCES AND PAPERS**

* Participated in Geoindia-2014 international conference and presented paper on ‘**Fluid Characterization using Two Dimensional Nuclear Magnetic Resonance Logging** - Case Studies in Oil Field of Mehsana Asset. Western Onshore – India”
* Represented IIT Bombay at Petrotech-2010, 19th International Oil and Gas Conference (2010)

**TECHNICAL SKILLS**

* **Programming Languages / Environments:** Matlab, C++**,** Pascal / Windows, Linux
* **Industrial Software : GeoLog, Geoframe, TechLog, PowerLog, OpenWorks**

**MEMBESHIPS**

* Student member of SEG, SPWLA, AAPG IIT Bombay Chapter