

## MUHAMMAD JAWAD SAQIB



Geologist/QC Engineer/Geotechnical Engineer (Soil Investigation) and Tunneling Techniques / Petrologist / Rock Mechanics (Drilling Parameters Influence on Injection Performance at [AGH University Krakow, POLAND](#)), Material Engineer Regarding Highways and Buildings in Pakistan and Kingdom of Saudi Arabia / Lab Material Testing and Inspection.

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### Executive Summary

During my 11 years' experience in the Civil Construction industry I fulfilled the different challenges/ multiple assigned construction projects and performed Laboratory Material Tests used for construction of buildings and highways according to standard specifications (ASTM, AASHTO, MOT, MRDTM, BS, ACI) and during my Study, I explore the new idea to evaluate the pore pressure of rock will help to minimize the borehole problems like kicks, blowout, borehole instability and loss of circulation in the portion of SHALES/CLAYS, Limestone, Sandstone and to enhance the Hydrocarbon Production.

### Areas of Expertise

Geological Mapping / Rock Identification / Rock Mechanics / Soil Investigation / Construction Material Testing (Soil, Fine and Course Aggregate, Cement, Concrete and Bitumen (Asphalt) etc.) / Well Correlation / Pore Pressure Detection by Seismic Data / Logs Data.

### Education & Credential

Degree	Passing Year	Marks/CGPA	Board/University	Division
MS/M.Phil. Geology	2013	3.80/4.00	AJ&KU, Muzaffarabad	1st
BS/M.Sc. Geology	2011	3.52/4.00	AJ&KU, Muzaffarabad	1st
Intermediate	2007	719/1100	BISE, Multan	1st
Matriculation	2004	643/850	BISE, Multan	1st

### Rock Mechanics (6 Month Course in Poland)

Mechanical properties of rocks by using well log data, [Akademia Górniczo-Hutnicza \(AGH\) University of Science & Technology, Krakow, Poland](#)

### **Construction Material Laboratory Testing** **1<sup>st</sup> Position in the Course (Serial-14)**

Construction Technology Training Institute (CTTI), Islamabad, Pakistan.  
Soil Testing, Cement Testing, Aggregate Testing, Concrete Testing, Bitumen Testing and Asphalt Testing

## Job Experience

1.	Name of Employing Agency	Abdul Ali Al-Ajmi Company KSA.
	Designation	QC Engineer/Inspector
	Location of Assignment	1-Industrial City-3, DAMMAM, KSA. 2-Border Road Sharorah, Najran Province, KSA. 3-Completion for Dualization of Riyadh-Khuraish Road, KSA. 4-Road Maintenance Projects Riyadh Area 5-Abqaiq ARAMCO
	Period of Assignment	February 2019 to till up to date
2.	Name of Employing Agency	Ghulam Rasool & Company (GRC)
	Designation	Assistant Material Engineer
	Location of Assignment	E-35, Hassanabdal–Havelian Motorway (CPEC)
	Period of Assignment	April 2016 to October 2018.
3.	Name of Employing Agency	Ghulam Rasool & Company (GRC)
	Title of Position	Senior Lab Technician
	Location of Assignment	West Bank By-Pass Project Package 1, Nulchi Bridge Muzaffarabad
	Period of Assignment	November 2011 to August 2014.
4.	Name of Employing Agency	Hafeez Construction Company Pvt. LTD.
	Title of Position	Material Engineer
	Location of Assignment	DHA Ph-V, Lahore.
	Period of Assignment	September 2014 to August 2015

## Research Project

- “Abnormal pore pressure modeling in subsurface strata of Pirkoh Gas Field by using petro physical and seismic data. (Southern Sulaiman Folds and Thrust Belt, Pakistan)”.
- “Project thesis on Fine Aggregates Analysis from Muzaffarabad to Nusari” Azad Jammu and Kashmir, Muzaffarabad, Pakistan”.

## Training & Internship

### **Well Data Processing, 15-04-2015 to 15-05-2015**

(Oil & Gas Development Company Limited (OGDCL), Islamabad, Pakistan.)

- Geological mapping skill
- Well data processing to find rock structure

### **Data Processing & Thesis Writing, 10-02-2014 to 30-05-2015**

(Pakistan Geophysical Network (PGN), Islamabad, Pakistan.)

- Seismic data processing
- Velocity analysis to find the interval & average velocity from root mean square velocity.
- Velocity analysis to find the density of rock at any depth, overburden pressure & gradient.
- Subsurface modeling

### **Mud Logging, 20-01-2014 to 26-01-2014**

(Oil & Gas Development Company Limited (OGDCL), Islamabad, Pakistan.)

- Examining the cuttings of rock
- Drilling parameters

**Oil & Gas Exploration Department, 11-12-2013 to 10-01-2014**  
(Oil & Gas Development Company Limited (OGDCL), Islamabad, Pakistan.)

- Seismic data interpretation

**Geotechnical Laboratory Testing, 26-07-2011 to 22-10-2011**  
(Engineering Consultants International LTD (ECIL), Islamabad, Pakistan.)

- Fine aggregate analysis in the River Neelum for 38 KM area.

**Geological Mapping & Tunneling Techniques, 24-06-2010 to 02-08-2010**  
(NJHP, Muzaffarabad, Pakistan.)

- Geological mapping at Neelum Jhelum Hydroelectric Power Project (NJHP).
- Tunnelling techniques & rock identification

**Short Courses & Workshops**

- **Hydrocarbon Exploration Techniques** at Oil and Gas Training Institute (OGTI) Islamabad (4<sup>th</sup> to 7<sup>th</sup> October, 2013).
- **3D Seismic Survey Designing and its impact on Data Acquisition** at Quaid-e-Azam University, Islamabad (21<sup>st</sup> to 22<sup>nd</sup> November, 2013).
- **Introduction to Hydrocarbon Exploration Techniques & Advance Methodologies** at Quaid-e-Azam University, Islamabad (16 to 19 October, 2014).

**Professional Skills**

- IT literate and proficient in MS Word, Excel and PowerPoint.
- Google Earth Mapping.
- Geological Mapping using Arc GIS 10.1.
- Well correlation using Rock Works software & Log Plot.
- Velocity to pore pressure data compilation by using Visual Oil & Surfer 8.
- Time to depth conversion, Mark the reflectors & Velocity analysis by using X-Work.
- Petro-physical logs Interpretation & generation the Synthetic Seismogram by using Wavelet.

**Personal Skills**

- Able to cope with pressure and work in a fast-paced environment.
- Willing and capable of learning and adapting quickly.
- Ability to communicate in a clear and effective manner.
- Having the patience to deal with multi decision maker processes.
- High level of personal organization and time management skills.
- Ability to always maintain self-motivation and be consistently pro-active.
- Ability to translate science into layman's terms
- Ability to develop scope, tasks and work plans for consulting projects

**Difference that I will make**

- Give more to the organization viz-a-viz the outfit's expenses on me, hence help enhance organization's profit.
- Become and remain useful member of the team.
- Develop and inculcate mission oriented culture among the peers, coworkers and subordinates.