



CARLOS RODRÍGUEZ

PETROLEUM ENGINEER /
MASTER IN DATA SCIENCE

CONTACT



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<https://karlos124c.neocities.org/>,
<https://www.linkedin.com/in/carlos-rodriguez-228413ab>

SKILLS

- Personal Real time drilling analytics software
- Personal casing set point analytics software
- Personal real time hydraulics analytics software
- Specialized geomechanics for circulation loss
- More than 9 years with fluid spoken English
- Basic Mud window geomechanics
- Excel for drilling sequence planning
- Compass Wellplan Torque/ Drag
- Landmark Stresscheck

PROFESSIONAL SUMMARY

Adept Drilling & Follow-up Engineer with a proven track record at Pemex, showcasing expertise in hydraulics monitoring analysis and troubleshooting with knowledge of geomechanics and drilling programs. Excelling in real-time data analysis and problem-solving, I significantly enhanced drilling process reliability. My collaborative skills and innovative strategies in real time drilling have led to groundbreaking improvements in drilling through wellbore instability areas.

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EXPERIENCE

January 2024 - Present

Drilling & Follow up Engineer

Pemex

- Assisted senior engineers in troubleshooting complex problems in Wellbore instability zones through real time data analysis.
- Support with analysis of real time drilling Hydraulics, broomstick plots and well log interpretation for casing set point
- Collaborated with teams to troubleshoot complex drag and wellbore instability issues, resulting in improved performance for the Bakke field and increased reliability of the drilling process.
- Created detailed real-time documentation for the drilling engineering processes and Casing run.
- References estuardo.agustin.santos@pemex.com, hassan.karim.dagdug@pemex.com

February 2020 - November 2023

Drilling Engineering Liaison

Pemex

- Pemex Vhsa C.T.A.- Campo Quesqui
- Acted as the primary point of contact between the drilling team, mud engineers, service company.
- Supervised mud engineers, solids control technicians, and other personnel involved in fluid management.
- Well hydraulics analysis
- Synthetic logs / Well correlation analysis
- Cementing operations design
- On site Drilling fluids supervision

- Identified and mitigated issues related to wellbore instability, lost circulation, kick detection, and formation damage
- Successful implementation of lost circulation control strategies
- Coordinated Drilling fluids logistics planning maintaining sufficient mud inventory and scheduling equipment repairs.
- Reference: gustavo.montiel@pemex.com, eric.fredic.ramirez@pemex.com

September 2015 - February 2020

Drilling fluids supervisor

Pemex

- Company Overview: Pemex Samaria-luna
- Forecasting, logistics planning, budget planning
- Hydraulics and displacement pressures
- Offset wells data analysis
- Onsite drilling fluids supervisor
- Pemex Samaria-luna
- Contacto : jorge.octavio.rosas@pemex.com

January 2007 - August 2015

Mud Engineer

Qmax México

- Drilling mud treatment and hydraulics calculations
- Drilling fluids design HPHT 350F
- Quality control: ISO 17025 implementation
- Water based mud supervisor : tank design and logistics planning
- Reference : julian.sustersick@qmaxsolutions.com

EDUCATION

December 2020

Petroleum engineer

IUDY

September 2006

Chemical engineer

UJAT

CERTIFICATIONS

- Stanford Geomechanics
- NeXt Schlumberger: Cementing operations
- NeXt Schlumberger training: Drilling Design

- Toefl IBT
- Data Science
- Petroleum engineer, #12485019
- Chemical engineer, #5090979

ORGANIZATIONS

S.P.E.

REFERENCES

Garrett Browne — Dass Can-K Pumps
Manager Of Operations Former Employer
GBrowne@DassCan-K.com

Jose Peralta — SLB
Drilling Operations Coordinator Peer-focused Collaborator
529331024221
JPeralta8@slb.com

Hassan Karim — Pemex
Drilling Operations Coordinator Effective Team Collaborator
hassan.karim.dagdug@pemex.com