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Senior Drilling Engineer
Senior Drilling & Workover Engineer
The Hague Area, Netherlands



21 years of office & field based experience in the Oil & Gas drilling industry with different multinational Oil & Gas operating companies. Pioneered experience in Oil & Gas drilling engineering & operations. A team player supported many integrated projects comprising teams of diverse backgrounds and nationalities. Able to perform efficiently in different positions as Drilling Manager, Senior drilling engineer, project engineer, drilling superintendent or drilling supervisor.

Deep thinker, innovative & creative in finding the solutions for drilling challenges, stable and proactive with high sense of Safety, embedding the "HSEQ first" function in every planning & job. Believe in "Risk Assessment approach" in every job, continues learning and strive for improvement & optimization. Strong planning & team work capabilities.

Started in 1996 Union Texas Petroleum Pakistan. In 1998 UTP was acquired by British Petroleum "BP" stayed with BP till mid 2002.

Joined OMV Pakistan as Drilling & Planning Engineer. In 2004 joined Eni Pakistan. In Sep 2007 got an opportunity to work with ADCO Abu Dhabi as Sr. Drilling Engineer special projects. Worked with BHP Billiton Petroleum group in Pakistan in drilling HTHP Gas wells (Zamzama Gas field). Worked in the Turnkey Drilling & Well Intervention Projects in South Iraq & Saudi Arabia with Baker Hughes Integrated Operations Team based in Dubai. Currently working in "Wintershall Oil & Gas" company in the Netherlands as Senior Drilling & Workover Engineer in the "Best Practices group" based in The Hague since 2013, providing Well Monitoring (performance & compliance) of the offshore wells (Jack-up & Deep waters) in the North Sea waters of Norway, UK, Denmark, Germany & the Netherlands. Holds "Permanent Residency" for Canada and can work legally in Canada.

Experience

Wintershall Global Support B.V **Senior Drilling & Workover Engineer** May 2013 - Present

Den Haag, The Netherlands

- Global Technical Support to the Wintershall drilling operating companies, JV drilling projects, on-going drilling operations & Single String operations.
- Integrated, detailed planning of a drilling project (offshore and onshore).
- Front End Engineering support to FDP task-team (G & G / Reservoir / Petroleum / Production in an Operator Organization)
- Well Design & Well Construction, simulation, analysis, exercises, Cost Estimates
- Company Standards & Company Technical Procedures
- Drilling Risk Identification, Assessment, Risk Analysis, Risk Mitigation
- Drilling Engineering Planning, offset analysis & reviews, DWOP, Peer Reviews.
- Prepare Final Well AFE
- Drill SAFE / Incorporate HSE in Drilling planning.
- Drilling Operations Monitoring, Cost Monitoring
- Drilling Lessons Learned Implementation, failures investigations.
- Drilling Performance Evaluation & Optimization.
- Technical Limits.
- Well Quality Index.
- * Well Monitoring, Well Examination & Global Support

Wintershall - Shaping the future

Senior Drilling Engineer April 2013 - Present Europe

Integrated Operations - BHIO Eastern Hemisphere

Senior Drilling Engineer

September 2010 - April 2013 (2 years 8 months) DUBAI

Involved in Turnkey drilling & workover projects in South Iraq Basra through a service company.

Worked in Iraq Eni WD project running Work-over rigs simultaneously;

- Plan Work-over operation involving safe Well killing as per company well control policy. Safe pulling back old completions, re-perforation, Stimulation & acid washing of old perforations.
- ESP completions, running & setting W/L plugs, packers setting running & milling. Pulling mono-bore completions, thru-tubing jobs . ■ Running Liner Hangers, Tieback packers ■ Fishing job, wire-line tools, BHAs. ■ Squeezing old perforation & re-perforate different zones . Set LCM plugs and other remedial cementing jobs. ■ Bottom hole pressure survey campaigns recording formation pressures.
- Experienced in Landmark drilling software, well casing design, casing seats & Stress-check.
- As Senior Drilling Engineer, I was taking all planning & operational responsibilities, extensively involved in the risk assessment, religiously implementing safety in all phases of operations.

- Lead role in well planning, daily well operations monitoring, observing NPT & investigating failures, concluding & implementing lessons learned to avoid NPT re-occurrence.
- Extensively involved in QAQC of the equipment & tools.
- Well Control policies adherence / implementation
- Incorporate Safety & rules and risk analysis.
- Mentored & trained /coached young engineers.
- Full integrated Drilling Contracts support & Technical evaluation of tenders.
- AFE's, preparation of tender documents, HPHT

ADMA-DPCO

Well Value Assurance Engineer

January 2010 - September 2010 (9 months) ABU DHABI

Coach well project teams in the implementation of the Well Value Assurance Process. Provide Drilling Engineering Planning support to the Project teams mainly consist of petroleum engineers, geo-scientists, petro-physicists and logistics people. Overall manage the drilling project in the Appriase and Select phase of the WVA and handover the final WVA Select phase report to the Drilling Division for preparing the detailed Drilling & Completion Program.

BHP Billiton Pakistan

Senior Drilling Engineer

July 2008 - August 2009 (1 year 2 months) ISLAMABAD, PAKISTAN

□"Senior Drilling Engineer (Drilling, Completion & Work over Operations).

□Worked as consultant Senior Drilling Engineer in the HPHT infill development drilling campaign (Zamzama gas Field), providing full integrated drilling engineering & operational support from Islamabad office, preparing well

construction program, drilling program, casing cementing & liner hanger running procedures. Directional drilling trajectories & plans, Contingency planning side track, fishing plans. Casing & BHA design, Drill Bit selection & optimization procedures based on the BHPB WWD policies. Monitoring well performance, and carefully monitoring the drilling & completions cost to deliver the targeted well quality index.

ADCO Abu Dhabi

Project Drilling Engineer

August 2007 - June 2008 (11 months) ABU DHABI

□"Office and Field based experience (Onshore) as Specialist Drilling Engineer" (Drilling, Completion & Work over Operations).

■Worked as Project Drilling Engineer in the planning of Hail Project Deep, HTHP, deviated & ERD in the shallow waters of Hail Field, Abu Dhabi. wells deeper than +/- 19500 ft TVD and +/- 6 Km departure.

■Simultaneously worked as Operations Drilling Engineer for Rig-ND 32 working in the development of Bab Oil field. Provided drilling engineering and planning support in the back to back drilling operation. Successfully planned and drilled 4 horizontal wells (open hole completion) in the Bab oil field.

Eni Pakistan Ltd

Senior Drilling Engineer

July 2004 - August 2007 (3 years 2 months)

Proud to work in the development drilling of HPHT Gas fields Miano, Sawan, Kadanwari. Also planned wells in the Bhit Gas field. Planned & prepared Well Cost Estimates, Drilling Technical Engineering, Monitor Well drilling performance, Prepared Drilling Rig schedule for the planned wells, Drill Bits optimization.

Prepared detailed well construction & drilling program.

■Other Well procedures i.e. P & A programs, Contingency Fishing programs, Side track plan, correction run plan, casing cementing program, Liner running & cementing program, Directional trajectory plan, LCM plan, contingent cement plug program, casing tallies, well schematics, BOP & wellhead stacks

■Prepare Technical Scope of Work for Drilling Fluids & Mud Engineering services, H2S Safety services, Coring services, Drilling Rig, Tubular running services, Fishing & rental drilling tools, Liner Hanger equip & services, Wellhead equipment & services, Air foam Drilling services, Drill bits supply, Directional Drilling and Cementing services. Prepare Drilling Waste Management plan

■Work as Drilling Supervisor as & when required Drilling Contracts Management & Supports

■Provide full integrated Drilling Contracts support, liase on with the Contacts

& Procurement department w.r.t drilling contract, material order & material logistics. Prepare technical scope of work to incorporate in the tender documents.

■Carry out technical & commercial evaluation of the bids during the

■Run & Maintain Eni Licensed Drilling Software database, worked on Landmark drilling software.

Baker Hughes Christensen Marketing Account Manager October 2003 - June 2004 (9 months)

Manage overall drill bit engineering, bit run operations and sales marketing for the Hughes Christensen's Drill Bit and products in Pakistan. Carry out Rock Strength Analysis and advise formation hardness, abrasiveness for optimal drill bit selection. Perform drill bit selection for oil & gas drilling operations and prepare drill bit technical & commercial proposals for company's clients. Optimize drill bit performance and advise optimal parameters for the next bit runs. Carry out drill bit dull grading of the used bits and advise company clients with technical recommendation for re-running the bits.

DMV Pakistan

Drilling Engineer

May 2002 - September 2003 (1 year 5 months)

- Proud to work in the development drilling of HPHT Gas fields Miano & Sawan.
- * Prepared 7 Drilling Programs for (High temperature / High pressure) wells application.
- Worked on High temperature Mud System, Silicate based muds, KCl Glycol mud, high temp KCl Duratherm mud.
- Involved in planning of various fishing jobs, open hole and cased hole fishing / TLC Fishing.
- Planned and implemented "Two stage Casing Cementing jobs"
- Implemented one Gravel pack operation at the rig site working as Night Company man
- Implemented & ran 7" chrome Monobore completion.
- Liner running & cementing operation. Liner lap testing inflow test.
- Provide quality engineered and innovative solutions for drilling problems & all the related challenges.
- Involved in spotting the drilling site locations by using GPS, recommending easy accessing routes to move the rig, cost estimating of the different route adoptions & finally planning & executing Drilling Site construction / preparation at Sawan & Gambat locations.
- Worked in Restoring the Drilling site compliances with HSE policies and procedures.

BP Pakistan

Drilling Engineer III

March 1996 - April 2002 (6 years 2 months)

- Prepared 40 Drilling Programs and various procedures for drilling & 30 workover operations.
- Worked as a Rig-site drilling engineer in supporting company man in Mud engineering, Fishing, Directional Drilling, and Casing Cementing Operations.
- Field wise optimization of Drilling cost / ft. The drilling cost \$/ft reduced from 25% to 50 %.
- Prepared drilling Case studies of specific fields & set recommendations to optimise drilling operation for next projects.
- Planned and implement "BP's Technical Limit" Process.
- Involved in incident investigation and prepared reports.
- Provided quality engineered and innovative solutions for drilling problems & challenges.

Outstanding performance achieved in BP Pakistan,

□ Optimized casing design and eliminate 20" DD surface casing after TRA for the presence of shallow gas.

□ Established BHA for directional control "Directional drilling without motor"

□ & successfully steered the well to the target covering 450 ft lateral distance (vertical displacement) from the wellhead. This was established by understanding the natural hole deviation tendency & PDC bit walk in the specific direction. ref well "Dhabi N-5"

□ Received Employee Recognition Award on record-breaking bit run on Tangri-10 / Zaur - 5.

□ Successfully managed to improve the services with reference to Mud/Bit/ directional Planning, procuring & execution.

Education

Deep Water Drilling Engineering & Planning (2012 - 2012)

Drilling Tools Failure Investigation & Root Cause Analysis

Baker Hughes Dubai · (2012 - 2012)

IWCF Well Control

certificate, Well Control in Completion, Intervention, slickline, coil tubing & logging operations. · (2010 - 2010)

Msc (Petroleum Technology)

Msc Petroleum Technology, Petroleum Technology · (1996 - 1998)

Drilling Engineering & Well Planning (Chevron Training Center, Houston, USA)

Drilling Engineering, Drilling Engineering

Top Skills Drilling Engineering Oil Petroleum

Languages Dutch Urdu English

Certifications Long / Short Technical Courses attended inside & outside the country :

Publications SPE "Drilling Optimization in Sawan & Miano Fields in Pakistan