

MOHAMMED EL AMINE TARCHI

Well intervention & Well integrity team leader (Superintendent)



Civil Status

- **Name and first name:** Mohammed El Amine Tarchi.
- **Date and birth place:** 30/10/1979
- **Address:** Cité El chohada, Brézina- El Bayadh -Algeria.
- **Marital status:** Married
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Professional Summary

A professional with over 16 years of experience in the Oil and Gas Industry, with a focus on leading Well Services and Well Intervention crews across cultural and language barriers. I have a strong work ethic towards HS&E and attention to successful completion of operations in a timely and cost-effective manner. My career has a foundation in all aspects of Slickline, E-line, Coiled Tubing and Pressure Pumping. Additionally, I have a solid track record of Well Integrity Management and Wellhead & Production Tree Valve testing and maintenance. I am a committed and successful employee and always leave no stone unturned to achieve assignments and expectations.

Areas of expertise

- Well Services and Well Interventions:
 - ✓ Coiled tubing;
 - ✓ Slickline;
 - ✓ E-line;
 - ✓ Pressure Pumping;
- Well Integrity and Tree & Wellhead maintenance.

Background and Education

Secondary Education:

General Certificate of Education (Baccalaureate) in Science, July 1997.

University Studies:

- **July 2002:** Petroleum Engineer Diploma from INHC (Chemical and Hydrocarbon National Institute Boumerdes). Algeria.
- **April 2007:** Specialized engineer in GEO sciences (Production, drilling, geology & geophysics) from Algerian Institute of petroleum (IAP) Boumerdes Algeria.

Trainings

- English language courses, method of the new interchange (English for international communication), venue Algerian Institute of Petroleum (IAP).
- Training courses of Advanced MS office (word, excel, power point...).
- Extensive HSE training given by SONATRACH.
- Slick Line Training (IAP SONATRACH).
- Coiled Tubing Training (IAP SONATRACH).
- Well Completion (IAP SONATRACH).
- Well Intervention (IFP training).
- Safety Leadership Training.
- Training course: Prosper, MBAI, and GAP (Petroleum experts UK).
- IWCF.
- Professional training within the national Company SONATRACH in Hassi R'Mel gaz Field.
- OFM: Oil field manager (SCHLUMBERGER).
- Preparation of the technical specification for the news tenders (IAP SONATRACH).
- Advanced Production Data Analysis/Nodal Analysis (SCHLUMBERGER).
- ESP pump (SCHLUMBERGER).
- Safe Behavior Program, Safety Intensive courses (IAP SONATRACH).
- Permit to Work System Certificate, Algerian Petroleum Institute IAP.

Professional Experience

June 2016 to Present

Well Intervention & Well integrity team leader (superintendent)

With the JV (Joint Venture) of SONATRACH and ENI at BRN field, located in Algeria.

Manage the well intervention operations & well integrity in collaboration with reservoir, drilling and production teams by leading the teams of well intervention and well integrity to achieve KPI of the department, liaise with managers to formulate objectives and understand requirements.

In this position I am managing:

- Three teams: petroleum & intervention engineers, well service supervisors and well integrity team.
- One contract for dedicated Coiled Tubing operations: two units.
- One contract for dedicated Slickline operations: two units.
- One contract for call out E-line operations: one unit.
- One contract for well integrity and well head maintenance: two dedicated teams.
- Five contacts for materiel purchasing: wellhead, gate valves and repair kit with: FMC-CAMERON-VETCO-BREDA-DELTA.

In this position I am responsible for the following tasks:

- Leadership role to maintain high HSE standards applied during operations.
- Contribute to the formulation of procedures of the department.
- Organizing workflow to meet specifications and deadlines.
- Management of the Well Services contractors.
- Collaboration with drilling and workover teams for completion configuration, handover of the wells, clean up post workover ...
- Collaboration with reservoir and production department to prepare the planning of the well intervention.
- Analyze operational risks and confirm that mitigation measures are in place.
- Lead the well services supervisor team to resolve operational problems.
- Responsible for risks assessment of all well intervention operations.
- Responsible for the critical operational actions and decisions.
- Responsible of all the coiled tubing operations: killing, gas lift, stimulation, clean up ...
- Responsible of all the slickline operations: Running gauges & plugs, fishing...
- Responsible of all the E-line operations: perforation, PLT, running plugs...
- Responsible for the integrity of all wells, in compliance with legislation and the Well Integrity Management System (WIMS).
- Developed Well integrity activities for all phases of the well life cycle.
- Management of the well integrity status tool.
- Delivery of well operations, maintenance and intervention activity in line with legislation, HSE targets, policy and procedures.
- Interface between operation and subsurface team regarding production/integrity/nomination
- Preparing the yearly budget for the department.
- Responsible form the tendering of service companies by preparing the scope of work and choose the best candidate following technical and HSE aspect.
- Contract Requirements Preparation (tenders).
- Technical Evaluations for various equipment in purchasing scope.
- Work Orders Analysis and Planning, Job Optimisation, Work Scheduling, Materials Management Shut-Down Coordination.

May 2012 to June 2016

Well Intervention Supervisor

With the JV (Joint Venture) of SONATRACH and ENI at BRN field, located in Algeria.

Supervise the execution of well services operations to ensure they are performed in accordance with requirements in a safe, cost effective and timely manner.

- Analyze operational risks and confirm that mitigation measures are in place, including the provision of adequate resources and HSE controls such as: PTW, risks assessment (JSA), and Pre-job safety meetings to ensure safe operations.
- Contribute to the formulation of procedures and operational programs.

- Daily operational and supervisory duties covering well intervention and surveillance programs with legalization of HSE target, policy and procedure.
- Perform the equipment pressure test and certifications.
- Provides technical support to Well Intervention Team to design the new completions into the wells.
- Provides to the client operational statistics and KPI's such as: Downtime, LTA, miss runs, personnel shift schedule.
- Generate quality reports and organize quality service meeting for all activities.
- Follow up of equipment, purchase ordering of spare parts and units, tools inventory.
- Actively manage cost control efforts and improvements.
- Assist with contracting strategies, tender requests, and tender evaluations to choose the best candidate following technical and HSE aspect.
- Assist in training/mentoring less experienced members of the team.
- Prepare well intervention programs.
- Daily reporting for the all the field activities finding and reporting.
- Update the well intervention performance.
- Maintain and review well status and integrity.
- Supervising, Coordinate and provides all the logistic, programs and field support for slick line & coiled tubing units and crews.
- Deal with services companies invoices.

In this position I was responsible of performing the activities bellow:

Slick line and E-line activities:

- Develop the intervention program for assigned wells.
- Work directly with the operational PE staff and Subsurface Team to collect and quality control down hole surveillance data.
- Supervise and provide field technical report.
- Supervising and coordinate the maintenance labors for Slickline equipments and units to be available for daily operations.
- Supervising and coordinate all the jobs for electronics gauge at surface and downhole and their final reports.
- Provides the finals reports for Flowing Gradients, Static Gradients and Build Up with their interpretations.
- Run & pull-out deep-set plugs.
- Pull and set gauges.
- Perform static bottom hole pressure survey.
- Perform MPLTs (Memory production logging tools).
- Run Calliper survey.
- Perforation Job.
- Set and pull Back Pressure Valve (BPV & TWCV).
- Tubing Drift Run.
- LIB Run and impression interpretation.
- Fishing Operations.

Coiled Tubing Activities:

- Routine jobs with coiled tubing (clean out, salt removal, kickoff.... etc).
- Perform logging job in Horizontal and deviation wells.
- Tubing Displacement by Brine pumping operation.
- Tubing unloading after drilling prior to DST.
- Pressure Up Tubing Above the deep-set plug.
- Annulus A Pressure test (Pumping job).
- Pre-work over preparation.
- Bull heading (Kill the well prior to work over operation).
- Post work over clean up.
- Run bridge plugs.
- Pull out Bridge plug.
- Set Sand Plug.
- Clean up operation after frac job.
- Acid job (tube clean and matrix).
- Stimulation job for organic deposits.
- Run DHVC (Down hole video Camera).
- Fishing Operations.

Well Integrity & Wellhead maintenance:

- Handover procedure.
- Critical operating procedures.
- Annulus Pressure monitoring.
- Tree & wellhead inspection & maintenance (FMC-CAMERON-BREDA-VETCO GRAY-DELTA).
- Wellhead valves inflow testing and greasing.
- Risks assessment of well stock to priorities work plan.
- Interface with Operators to apply organizational policies and learning's.
- Delivery of systems, process and contracts to support management of well integrity.
- Optimizes well management resource and contractors to ensure delivery against Key Performance Indicators (KPI's).
- Lead technical integrity assurance on wells and well interventions.
- Well barriers and well classification.
- MAASPs calculations.
- Annular Pressure Evaluation.
- Tubing hanger seals test.

Well testing:

- Well testing using separator test.
- Well testing using MPFM.
- Data quality check.

From June 2007 to May 2012:

Petroleum engineer:

With the JV (Joint Venture) of SONATRACH and ENI at BRN field, located in Algeria.

Optimized production with technological integrations allowing for advanced data analysis, well modelling, and performance simulations.

In this position I was responsible of performing the activities bellow:

- Production management/optimization.
- Building Well Models using PROSPER - PIPESIM.
- Program and execute the surveillance plan.
- Production optimisation and flow assurance using GAP.
- Well deliverability performance and Tubing/vertical lift evaluation using PROSPER.
- Optimization of water well production & operations.
- Daily production optimization / communicate production change.
- Collaborate with Well intervention team and Reservoir team to define the optimum development wells completion design and production capacity for the existing and upcoming wells.
- Test the potential of new drilled well after the clean-up.
- Well testing, PLT Supervisor operation and interpretation of DATA.
- Well integrity surveillance.
- Member of the field Production optimisation group: Well modelling using PROSPER, Material balance and history matching using MBAL, surface network optimisation with GAP.
- Member of the hydraulic fracturing technical evaluation team.
- Hydraulic fracturing evaluation (Well test, PLT).
- HSE lead within production team.
- Well parameters trending (FWHP, FWHT ...)
- Reservoir Surveillance Work (Gauges Management).
- Production Optimisation of gas producers and water wells.
- Prepare/Manage/Distribute Weekly production plan.
- Training of well operators on technical subjects, Key Link between Plant, Operations and subsurface teams.
- Coordinated with other operators and service companies.
- Attend & prepare operations part of quarterly TCM (technical meeting).
- Data Quality Check and Data and Documentation Management.
- Water well clean Up & submersible pumps change out.
- Operation procedure creation and review.
- Fault finding/Reporting during well upsets. Management of Change (well technical modifications).

Languages

- **English:** Fluently
- **French:** Very good
- **Arabic:** Mother tongue

Computer Skills and Software Used

- Handle excellently of PROSPER: Single Well Modelling.
 - Handle excellently of GAP: Surface Network Modelling.
 - Handle excellently MBAL: Material Balance.
 - Handle excellently OFM: Oil field manager.
 - Handle excellently of Spartek and Metrolog software.
 - Good user of PHD & Exaquantom: Production Data Analysis.
 - Good user of MS Office (Word, Excel, Access, Power Point).
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