**BASHIR AHMED ALBASHIR – PETROLEOUM ENGINEER**

**Contact Info**

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**Personnel Information**

**Name:** Bashir Ahmed Albashir

**Date of Birth:** 09-Aug-1984

**Citizenship:** Sudanese

**Passport No:** P05107435

**Marital Status:** Single

**Languages:** Arabic (Native), English (Fluent)

**Personnel Profile**

A hard working, self-motivated and reliable individual with a solid background in petroleum industries, a good communicator with the ability to work as part of a team and on own initiative, Proficient in dealing with the general public in a confident and friendly manner.

I have flexible attitude to work and commitment to achieve set goals.

**Key areas of Expertise**

**Technical Support Production Engineer [2019- Up to date]**

* Contract administration activities for All D&P department services, including preparation of MC, TC papers, Work Orders, participating in all stages of contracting procedure starting from preparing the ITB, Technical and commercial evaluation up to the awarding of contracts to the successful bidders.
* Materials management for All D&P Dept. focal person for crating PRs in the SAP, close coordination with field to optimize the consumption of materials and to make that the necessary materials is available ahead of time based on the existing plan.
* Technical Support for all production activities, PCP, ESP, Supporting an EOR and artificial lift for fields including nitrogen injection, water injection, gas lifting, CSS, FSFs, , CPF, VBU, and power plants.
* Maintenance management for All D&P Dept. facilities.

**A/Senior Production Engineer [2015- 2019]**

* Reports to Principal Engineer, Artificial Lift
* Analyze performance of production and injection wells, diagnose problems, plan remedial action, and assist with permitting and execution of the work
* Evaluate performance of production and injection wells and identify problems and opportunities for improvements
* Evaluate effects of corrective actions or changes in field operations, power generation revenue and long-term resource performance
* Work with operations personnel, Geologists and Project Managers to formulate and justify recommendations for wellfield activities and reservoir management
* Responsible for the design and specifying for pumped production wells
* Work specialists and pump manufacturers to evaluate and improve pump performance and operating life
* Responsible for planning and specifying well tests, logs and diagnostic procedures
* Responsible for the engineering field supervision and analysis of well tests results
* Responsible for the planning, engineering, supervision, analysis and reporting of routine well logs and pressure tests
* Document analyses, interpretations of logs, well tests, diagnostic procedures and results of work overs, drilling and other changes in operations
* Prepare reports with supporting data and recommendations for action

**Production Engineer [2012- 2015]**

* Production Engineering in the one of the most complicated oil fields in Sudan, is Baleela Oil Field, with (CNPC) previously, Currently Petro-Energy-EP, which is an International Company.

Sandstone Reservoir with different layers and different zones (Heterogeneous Reservoir); Heavy and volatile oil; Horizontal, vertical and deviated wells; Natural Flowing and Gas Lifted wells; Water Flooding in some zones, Nitrogen injection techniques, gas injection in others, (Huff & Puff Method), (PCP, PCM, BPU, ESP) pumps and Cycle Steam System (CSS) in Viscous Oil Field.

* Very good experience in one of the most complicated oil fields in Sudan with different Oil Production Techniques are used, Baleela Oil Field Block (6) (onshore).
* Performance, modeling &surveillance of Oil producer wells, Gas & Water injectors.
* Artificial Lift Design, Optimization & Troubleshooting (especially Gas Lift).
* Well Completion and Work-Over Design.
* Surface Production Operations.
* Daily Production Surveillance and Monitoring.
* Working with Production and Operations team.
* Prepare and Issue out pumps parts and others accessories torig at Well site for completion & Work-Over Operations.
* Mentoring Junior Production Engineers.

**Field production Technologist [2008-2012]**

* Monitoring the performance of wells (natural flowing, artificial lift (PCP) through scheduled test separator tests & Fluid level measurement.
* Troubleshooting of PCP wells and diagnoses the wells for Workover.
* Well Production Performance analysis.
* Preparing Workover and completion programs.
* Follow-up Daily production activities.

**Field Production Technician [2006-2008]**

* Preparing Daily & Monthly production reports of heavy & light oil wells.
* Planning of Fluid level shooting PCP & BPU and ESP wells.
* Receiving and checking the materials (Artificial lift pumps, PCP, ESP, gas lift tools), and issued out the requirements to well sites for completion & Workover.
* Wells site check Diagnosis and Reports for no production Wells. (Beam Pump Unit, PCP, PCM pumps).

**Experience History**

**CNPCIS** previously **(**Currently **Petro Energy-EP) – Production Division – Balela Oil Field – Sudan**

 **Field production Technician (2006-2008)**

 **Field Production Technologist (November 2008 – 2012).**

 **Production Engineer (April 2012 – 2015).**

 **A/Sr. Production Engineer (2015-2019).**

 **Technical Support Production Engineer (2019 - Up to date).**

Baleela Oil field (Block 6), one of the most complicated oilfields in Sudan.

**Main Responsibilities**

* Integrated Production modeling using PIPSIME.
* Perform Surveillance studies with focus on gas lift optimizations and production strategies.
* Daily production monitoring (Wells Daily Production).
* Daily production reports (interventions on the wells & gathering network, shortfalls management and analysis…).
* Authorize and sign work permit and cooperate with concern Dept. (when: leaks, separator shut-down, connection of a new flow line, modifications…).
* Wells performance surveillance (Oil Producers, Gas & Water Injectors).
* Production forecasting using PIPESIM& OFM software.
* Production Optimization of natural flowing wells, Gas Lifted wells, pumping wells and Gathering Network.
* Monitoring and release back Pressure in the production system.
* Create new models and update the existing one using PIPSIME software for vertical, horizontal & side-track wells (for Oil Producers, Gas & Water Injectors).
* Create and update the network model.
* Completion Design in new drilled wells and after work over.
* New Gas Lift Design and re-design after workover, Optimization & Troubleshooting
* ESP Design & Optimization.
* Optimization of Gas Injection Rates on Gas Lifted Wells.
* Optimization of surface facilities.
* Design new surface facilities.
* Review and Planning different operations on the wells (wire-line, water detection, well testing).
* Recommend stimulations, recompletion & workover interventions on wells.
* Periodic field review (Well by Well studies, status, investigation, recommendations, are given by multidisciplinary team).
* Provide technical support, recommendations & solutions to operations team (Field Engineers, Supervisors, Foremen and Technicians).

**Achievements**

* Production optimization of zones, located in the north field of BALEELA Field: production increasing in a good range.
* Solve backpressure problem in surface production system in a Separator and Manifold, by optimizing the rate of nearby production in each producing wells and installing boost pump.

Production increase continuously and wells with low WHP are producing continuously (Previously were intermittent wells).

* Recommend solutions after each Well Performance Evaluation (Stimulation, Workover, choke sizing, Water or Gas shutoff…), using PROSPER (more than 300 wells between Oil Producer & Water or Gas Injector)
* Parallel Completion Design of wells requires Gas Lift, treated water injection in the same time, and suggest new solutions in some case.
* Surveillance, Monitoring & Optimization of production of more than 300running wells with different production method.

By providing solutions for wells with problems (in the inlet, outlet or Downhole) and wells with insufficient gas due to the plugging of gas, lift lines (so insufficient injection pressure).

* Selection of candidate wells to be activating by Gas Lift or pumps.
* Prediction of reservoir pressure based on surface production data, multiphase flow correlations and IPR to match measured field data (using PIPESIM).
* Model complex gathering network (contain multiple flow lines, Manifolds, separators, pumps…), to improve the performance by de-bottlenecking the system and to suggest modifications on the network.
* Integrated Production Model linked to Gas Lift injection Network to optimize the Gas Lift.
* Generate vertical lift performance curves (VLPs) using PIPESIM for a reservoir models
* Identify opportunities to improve the productivity of producers wells & injectivity for injectors wells (such as: acidizing, fracturing, squeeze, clean out, wellbore recompletion, re-perforation, choke sizing…).
* Supervise the wellheads integrity to detect different problems in the wellhead and X-mass tree (like: leaks, corrosion, communication between tubing and casing, abnormal pressure in the casing, good function of valves in the wellhead…) and recommend different solutions (killing the well for changing the master valve, work over to repair leak in the tubing, changing valves in the X-mass tree or wellhead)
* Managing the startup & shut down of wells after interventions operations (work over...).

**Education**

**2015-2022: BSc Degree U of K University, college of engineering, agriculture engineering.**

**2001-2004: Sudan University of Science & Technology, Petroleum engineering.**

**1999-2001: WAD MEDANI SECONDARY SCHOOL SUDAN**

**1990-1998: BARAKAT PRIMARY SCHOOL SUDAN**

**Training Courses**

* Training course of progressive cavity pump system for Oil production in Beijing petroleum Machinery Factory.
* Training course in PIPESIM software with SLB and Irish training center.
* Training Course in Basic production Technology from Schlumberger.
* Training Course in Fundamental of Oil Field Manager (Production solution) from Schlumberger (OFM software).
* Training Course in Liquid and GAS flow metering from Petro – Lab institute.
* Training Course in Well completion & design from GWDC/CNLC.
* Training Course in Supervisory skills/ Time management And Project Management from GWDC/CNLC.
* Training Course in PCP Pump installation (in France).
* EOR Training Course in Istanbul.
* PVT analysis (Sudapet Training Center).

**Computer Skills**

Proficient in the use of computer software application packages such as:

* PROSPER GAP, WellFlo, PIPESIM, OFM, and WINPETRO.
* Well Inflow Performance, Vertical Lift Performance and Flow Assurance.
* System application and products (SAP).
* Microsoft Office (Word, Excel, PowerPoint, Project)

**Personal References**

* Will be provided up on request.