

# ARSLAN SAEED

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## **PROFESSIONAL OBJECTIVE**

A **Chemical Process Engineer** with a track record in Oil & Gas industry over 6.5 years. Responsible for all control settings, adjustments on equipment units affecting speeds of chemical reactions, quality or yields. Seeking new challenges to advance my career, key strengths include: of planning and implementation in Startup/shutdown activities of Plant under the coordination of Operation Supervisor and Control room. Change over the equipment and maintaining flow rate, temperatures and pressures as per control room instructions, and also having experience in installation/commissioning, pre-commissioning.

## **PROFESSIONAL EXPERTISE**

Extensive working experience in operating and troubleshooting handling of following natural gas plants and equipment's.

- Three Phase Separation System
- Condensate Stabilization Unit
- COS Hydrolysis Process, Water injection, Hydrolysis Catalytic reactor
- Sour Gas Purification Plant – **MDEA-AGRU**
- Gas Dehydration Plant – **Glycol Unit**
- Hydrocarbon Dew Point unit (Mechanical Refrigeration System) – **HCDP**
- Sulfur Recovery Unit, Modified Claus Process– **SRU**
- Tail Gas Treatment Unit – **TGTU**
- Gas Recycling Ariel JGK-4 Compressors
- Sour Water Treatment Plant
- Vapor Recovery Unit – **VRU**
- Waste Heat Recovery Hot Oil Plant
- Acid Gases Incinerator Unit for acid gases treating
- Hand on experience of Plant Process Control through Honeywell TDC 2000 &DCS of ABB (800xA) and ABB PLC based DCS with Delta work Station.
- Well Controlled and Operate through SCADA System
- Siemens (Sematic S7-400)PLC based ESD system and F&G system
- Well Testing Through Portable Gas Test Separator
- Heat Recovery Unit, heat Recover from Siemens SGT-100-1S single shaft, simple open cycle industrial gas turbine
- Multi stage and single stage centrifugal and PD pumps for liquid Circulation
- Screw Type (Air & Instrument Air) Compressors &Nitrogen Separation Through Membrane System
- Water Tube and waste heat H.P and Fired Tube L.P Boilers
- Utilities (Multimedia Filters, R.O Plant, Fire Water Pumps, Cooling Towers, Instrument compressors, nitrogen generation system, Fire Water Diesel Engine Driven Pump)
- Having knowledge of reading and interpreting P&ID and PFD

## **CAREER HISTORY**

7<sup>th</sup> Apr, 2019 to Continue

Exterran Middle East

PDO-Tayseer Gas Plant, Oman

Position: **Sr. Field Operator**

### **Plant Description:**

Tayseer is Onshore sour gas based plant with total capacity of 35 MMSCFD of gas processing unit and 1000 m3/d of Condensate Stabilization unit and SRU capable to produce 67MTd of Sulfur. Plant consist on following described units, Inlet Separator, COS hydrolysis system, Gas Sweetening, Amine regeneration, Hydrocarbon Dew Point, Mechanical refrigeration, EG refrigeration, condensate stabilization, gas recycling , SRU & TGTU, Sour water treatment system, utility package .

**Job Scope:**

As a Sr. Operator, my job scope includes but not limited to the following duties.

- Supervision of preventive & corrective maintenance jobs for equipment's. For PM I'm responsible for isolation, draining and de pressurize the equipment, Defeat if required, LEL & gas testing through gas detectors and verify the valid work permit and isolation certificate.
- Responsible for safe and smooth operation of gas removal unit for removal of 4% Hydrogen Sulfide from Sour gas
- COS Hydrolysis unit to converting COS in H<sub>2</sub>S by injecting of water for reaction with COS.
- Sulfur Recovery Unit (Startup/Shut down of thermal reactor, waste heat boiler & sulfur condenser and sampling of O<sub>2</sub> from Catalyst Reactors and maintaining the pre-heater temperatures) also start/stop pumps and air blowers.
- Involve in Initial startup of TGTU, pre-sulfiding & sulfiding process of catalyst.
- Handling the troubleshooting of Tail gas Treatment Plant Catalyst reactor, Quench tower, and MDEA Absorber and Regeneration tower operations.
- Hydrocarbon Dew Point unit (Mechanical & EG Refrigeration units)
- Three Phase Separators & Condensate Stabilization Unit
- Start/Stop and handling the troubleshooting of Gas Recycling Ariel JGK-4 Compressors & Refrigeration Screw type Compressors
- Vapor Recovery Unit for recover vapors from condensate storage tanks
- Sour Water Treatment Plant operation for produced water from TGTU Quench tower
- HP Boilers & waste heat recovery boilers
- Handling foaming troubleshooting and amine losses.
- Training of Omani entry level operators
- Making the Reliability report for compressors 3<sup>rd</sup> party equipment.
- Logging daily field activities in log book

**01<sup>st</sup> Mar, 2018 to 31<sup>st</sup> Mar, 2019**

**Urbacon Trading and Contracting**

**Doha, Qatar**

Position: **Site Supervisor**

**Job Scope:**

- Installation and commissioning of storm water and sewage water lifting station of QEZ-1 Project with treatment capacity of water 20,000 m<sup>3</sup>/day.
- Control System SCADA/PLC/MCC
- Odor Control system
- Installation & operation of submersible pumps
- Tocsin controllers and H<sub>2</sub>S detector
- Project Progress Report
- Inspections of delivered material at site
- Odor removal tanks and air blower for odor tanks
- Chiller system for pumping station and lifting station
- Monitoring the installation of firefighting system FM-200
- Commissioning and installation of TSE Tank and TSE pumping station
- Monitoring Installation of Centrifugal Pumps, Controllers, vessels and process related instruments
- Monitoring hot jobs, and issuing the work permits
- Separation & Settling process
- Conduct safety trainings and orientations

**April, 2013 to 31<sup>st</sup> Jan, 2018**

**Oil & Gas Development Company Limited**

**Pakistan**

Position: **Plant Operator**

**Plant Description:**

Two identical Amine Gas Sweetening Units Train-1 and Train-2 designed by "Bellelli Engineering, Italy" each with a raw feed gas capacity of 150 MMSCFD. In each train the feed gas is purified from H<sub>2</sub>S and CO<sub>2</sub>. And the two identical Glycol Dehydration unit and heat recovery unit & hot oil package and incinerator unit for both trains.

**Job Scope:**

- Responsible for Safe and smooth plant operations
- Supervision of hot jobs and critical jobs.
- Follow the hand over procedure of any equipment for maintenance.
- Plant Control through DCS of ABB (800xA) & PLC of Siemens (Sematic S7-400)
- Maintaining BTU, H<sub>2</sub>S and moisture contents of sale gas.
- Maintaining the feed gas BTU in gas blending section from deferent slug catchers.
- Gas purification (H<sub>2</sub>S & CO<sub>2</sub> removal) using by MDEA injection.
- Gas de-hydration, removal of water content from treated gas using by MEG.
- Well Control, flow rate adjustment and Operate through SCADA System.
- Maintain the amine flow rate up to 1200 GPM for removal of H<sub>2</sub>S & Co<sub>2</sub> from sour gas.
- Control and maintain the BTU of feed gas. Gas wells divided in three loops upon value of BTU.
- Control acid gases from regenerator with Function of cascade loop and split range controller.
- Troubleshooting, start-up and shut down of the absorber, stripper, flash vessel, re-boiler, plate & frame exchanger, booster centrifugal pumps, trim coolers, carbon and cartridge filters
- Log all shift activities, observations in area log book, ensure proper charge handover
- Startup and Operations of Acid Gas Incinerator.
- Well testing through potable separate. And logging H<sub>2</sub>S, CO<sub>2</sub> and BTU values.
- Utilities (Nitrogen & Instrument air compressors, Gas turbines, Fire water system, water treatment, fuel gas)
- Operate the hot oil heaters through burner management system
- Startup and monitor of R.O Plant and multimedia filters
- Emergency handling regarding pumps, boiler, gas turbines, heat exchangers, instrument failure.
- Gas, gathering area, three phase sludge catcher separation system
- Gas blending system for maintaining BTU of feed gas, Test Separator & Pig Launching
- Horizontal, Vertical slug catchers, scrubber, Filter coalecers and three phase separator.
- Control the levels & level making of vessels.

**Commissioning**

I involved in commissioning/installation, pre-commissioning activities and startup of 300mmscfd gas processing plant, gas turbines and hot oil system, heat recovered from exhaust gases of gas turbines. Develop systems, sub-systems and pre-commissioning & commissioning works lists Prepare procedures and systems issue. Prepare plan of pre-commissioning & commissioning execution and schedule activities in line with overall project schedules. Preparation of Commissioning Close-out Report of the project.

- Supervision of Hydraulic testing of gas lines
- Leak test of vessels, joints and flanges through apply the pressure of nitrogen gas
- Lineup all vassals and equipment's & Cleaning of lines and vessels through circulation of water
- Inspection of all joints of instruments air and nitrogen lines including gas lines
- Loop testing of controllers, ESDVs, BDVs.
- Cause and effect matrix testing F&G system
- Commissioning and initial startup of AGR, De-Hydration, Fire water and Raw Water, R.O Plant, Well Gathering Area and Slug catchers, De-gassing boot and API system.
- Amine Level Making & level shifting in vessels

**ACADEMIC RECORD****Bachelor in Chemical Technology**

Bahauddin Zakariya University, Multan, Pakistan  
September – 2013 to October – 2015 (Evening Classes Program)

**Diploma of Associate Engineering in Chemical Technology**

Punjab Board of Technical Education, Lahore, Pakistan  
September – 2009 to March – 2013

**Secondary School Certificate (S.S.C Science)**

Govt. M.C Model High School, Burewala, Pakistan  
August – 2007 to August - 2009

**SAFETY TRAINING**

- Permit to Work
- Lock-Out Tag-Out
- H2S Safety
- Authorized gas testing
- Confined space
- Emergency Response Plan
- Safety Inspector Course

**PERSONAL INFORMATION**

Date of Birth	:	03-08-1994
Passport No	:	DT5977322
Marital Status	:	Married
Nationality	:	Pakistani (Muslim Suni)
Driving License	:	Qatar & Pakistan

**LANGUAGES**

English  
Urdu  
Hindi