

# Wasif Karim (Drilling Fluids Engineer)



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## Professional Summary

I am Experienced Drilling fluids engineer having more than 8+ years' Experience and Looking to leverage background in drilling operations, operational problem solving, Inventory management and environmental safety standards. I am seeking a career opportunity for professional development.

## Drilling & Completion fluids related training

Subject	Training Center	Completion Date
Introduction to Petroleum Industry	Optimum Engineering Standards (OES)	14/08/2010
Introduction to Mud Technology	Optimum Engineering Standards (OES)	07/11/2010
Drilling Fluid Technology	Optimum Engineering Standards (OES)	20/12/2010
Management Course	Optimum Engineering Standards (OES)	19/01/2011
Testing of Drilling Fluids	Optimum Engineering Standards (OES)	11/02/2011
Corrosion and Control	Optimum Engineering Standards (OES)	15/03/2011
Solid Control in Drilling Fluids	Optimum Engineering Standards (OES)	21/03/2011
Hydraulics	Optimum Engineering Standards (OES)	12/04/2011
Cementation	Optimum Engineering Standards (OES)	22/05/2011
Formation Damage	Optimum Engineering Standards (OES)	29/05/2011
Basic Mud School	Optimum Engineering Standards (OES)	10/09/2013
Advance Mud School	Optimum Engineering Standards (OES)	20/11/2013
Hydrogen Sulphide (H <sub>2</sub> S)	Human Assets Training	31/03/2019
Fire Fighting	ZP Arabia Drilling Company Ltd.	07/09/2015
Fall Protection	ZP Arabia Drilling Company Ltd.	08/09/2015
HAZCOM	ZP Arabia Drilling Company Ltd.	09/09/2015
First Aid and CPR	ZP Arabia Drilling Company Ltd.	10/09/2015

## Employment History

Company	Job title	Date from: to:	Location
Specialized Kingdom Int'l Labs (SKILs)	Mud Engineer	May 2015 till Date	KSA
Optimum Engineering Standards (OES)	Mud Engineer	May 2010 Till March 2015	KSA

## **Relevant Experience:**

### **Mud Engineer in SKILs:**

Besides the field job on various fields within KSA, I experienced:

- Designing of different drilling fluid system implementation of procedures described in API Spec 13 for Quality assurance of drilling fluid chemicals and additives
- I have been involved in maintaining the laboratory inventory control, up gradation and maintenance of laboratory equipment as a part of Lab development program
- During my time in Mud laboratory, I worked on highly sophisticated and advance equipments i.e. Fann Rheometer, Linear Swell Meter, EP Lubricity Tester, Particle Size Analyzer, Multipycnometer etc.
- Proficient in techniques implied for collecting and testing samples, and analysing the results
- Knowledge of interpreting the chemical compositions of tested samples and identifying its source of existence
- Apart from the special tests, I have a handful experience of field tests i.e.

Garret Gas Train  
HPHT Filter Press  
Rheology of Mud  
Retort Analysis

Plugging Permeability Test  
API Filter Press  
Chemical Analysis  
Particle Size Analysis

### **Mud Engineer in OES:**

I have been involved in drilling activities in Kingdom of Saudi Arabia as Mud Engineer. I have experienced preparation of an optimum solution of drilling fluids according to the requirement of drilling phases using many mud systems from Spud Mud to highly treated polymer mud system.

Spud Mud

KCl Polymer Mud

LSND

CaCl<sub>2</sub> Brine

Salt Saturated Mud

PHPA Mud

Oil Based Mud

Apart from preparation and maintenance of drilling fluid systems mentioned above, I hold strong experience for mitigation of drilling problems i.e.

Lost Circulation

Hole Cleaning

Contaminations

High Overbalance

Stuck Pipe

Kick

Rheological Problems

Apart from resolving the above mentioned problems, I have good exposure of various down hole complications such as, caving, sloughing, caving, torque and drag.

### **Responsibilities:**

1. Direct and supervise the drilling and completion fluid preparation
2. Test and report all mud/brine parameters utilizing API 13 B report standards
3. Monitor and preserve the mud/brine specifications for each well section

4. Direct any changes in the mud/brine parameters
5. Advise and assist in optimal running of the rig solids control equipment
6. Assist Company's representatives in the identification of potential drilling hazards and help determine corrective actions where applicable to the drilling mud.
7. Report to Company representative as required by company
8. Keep the chemicals stock at the well site organized and tidy
9. Ensure adequate drilling fluid materials supply
10. Attend Well site safety meetings
11. Cleaning and replacing shaker screens, desander & desilter cones with mud tester and rig crew assistance.
12. Ensuring adequate feed pressure for the desander and desilters.
13. Preparation on daily basis the following reports.
  1. Fluid volumes report
  2. Fluid cost report
  3. Well site chemical stock report (including well site stock damages)
  4. Waste fluids and chemicals reports
  5. Prepare and deliver to Company Representative the end of well report.
  6. This report shall include the following minimum tabulated information:
  7. Chemicals utilized and Section Cost: products name, size, unit cost, quantities used and concentration. Total cost for each product and overall cost for the section.
  8. Hydraulic per whole section: hole size, formation drilled, Mud weight, YP, pump output, annular velocities, n & k values, pumps efficiency, nozzles ect.
  9. Using shaker screen of proper mesh size to account for the change in lithologies while drilling
14. Ensuring that the safety equipments (eye wash station, cooling showers etc.) on the mud tanks are in good working.
15. Monitoring that the rig hands working on the mud system are using the proper PPE all the time especially while mixing hazardous chemicals like caustic etc.
16. During rig move supervise personally the loading of mud chemicals at old location and offloading of the same at new location
17. Keeping the area, where chemicals are stored, clean and chemicals properly stacked for easy accessibility with forklift.

#### **Wells and Fields:**

**Wells:** Sino-33, Nabors 210, Dalma 217, SP 277, SP 275, Sino-10, Sino-42, ADC-32, ADC-34, ADC-35, ADC-36, DPS-44

**Fields:** Khurais, Khurasaniya, Harad

#### **Personal Information**

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|-------------------|---------------|
| • Date of birth   | 07-05-1983    |
| • Nationality     | Pakistani     |
| • Marital Status  | Married       |
| • Driving License | KSA, Pakistan |
| • Iqama Number    | 2392672321    |