



# Amr Othman

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## Summary

- I'm experienced Drilling Data Management Manager (Business & Engineering) who has supervised and participated in drilling data management projects at all stages and phases, I'm looking to bring my reputation for taking technical, complex products/projects from inception to completion.
  - Total cumulative oil and gas experiences of 17 years - 11 years in Drilling and Completions Software applications, Drilling /Operations IT projects management, business analysis and application support for reporting, engineering to deliver projects and achieve the objectives through the effective use of technology.
  - Started my career with field engineer in early production test then with well service, Drilling & Completion and Wellhead - 6 years (Rig Site)
  - Excellent skills in strategic reviews, requirements analysis, technology evaluation, solution architecture, application implementation, data cleansing, reengineering process and projects management.

## Education – Certificates

- Engineering College – Cairo University - **Petroleum Engineering Bachelor – Y 2000**

Drilling, Production, Reservoir, Processing – Engineering

**Graduation Degree, Project, Excellent and Avg (5 years) of Good**

- |                                |  |
|--------------------------------|--|
| • IWCF Certified               | • Geology of Petroleum, Structure, Sedimentary, Paleontology |
| • List one of your strengths   | • Logging, open and cased                                    |
| • Organic Chemistry            | • Gas production processing                                  |
| • Mud Rheology and lap testing | • Computer reservoir simulation                              |
| • Hydrology                    | • Oil enhanced recovery stimulation                          |

## Experience

2006 – NOW

### **Drilling Department Manager / MCS FZ | Egypt**

- Sales and Marketing Support
- Drilling Projects Management
- Data Mining, Analysis
- Drilling Data Management
- Manage drilling data, report, analysis
- Drilling Data Management Software Marketing
- Oil Well Drilling Business Analysis
- Customer Engineering Support
- Prepare Drilling Final Well Reports
- Follow Up Drilling Operations
- Support of company's drilling suite of applications
- Develop custom reports, applications, and workflows
- Manage IT related
- Troubleshooting applications and application workflows

2003 – 2006

### **Service Engineer / FMC Technologies | Egypt**

2002 – 2003

### **Production Engineer / Al Ahlia Oil Fields Development Company | Egypt**

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## Software Skills

- MS Access DB
- SQL DB sever
- IT and computer hardware/software experience
- Expert with MSO
- Expert with windows MS Operating systems

## Business Courses

- RTO Systems Implementation and follow up
- DWOP - Drill Well on Paper
- Pipe Sticking Indications and Prevention
- Oil Well Planning and Drilling Optimization for Oil well Drilling
- Oil Well Casing Design (Stress Check-Setting Depths)
- Directional Well Planning
- Drilling Hydraulics Parameters Design
- Drilling Bit Performance Optimization
- Oil Well Costing and AFE Preparations
- Early Production and Well Testing System Implementation
- Drilling Operations Management
- Drilling Management and Optimization
- Drilling Hole Problems

## Career Goals

- Optimize engineering and decision-making workflows
  - Knowledge-management best practices as a framework for capturing engineering experience
  - Lessons-learned information, and results for various procedures and technologies
  - Electronic capture of drilling and well-services operations and equipment data
  - Seamless integration of well data through drilling engineering applications and workflows
  - Optimum collaboration that enables faster decision making from well planning to post-well analysis
  - Multi-well analysis, Analysis of drilling data in order to plan, and learn from quality controlled drilling data
  - Technical-limit well planning and operations using offset wells' data
  - Drilling Data analysis, Performance benchmarking
  - Analyzing well cost and operations to identify areas for improvement
  - Effectively managing and optimizing the well operations lifecycle,
  - Real-Time Center design and deployment
  - Oil well drilling business analysis – R/D support
  - Reporting for fixed workflows or customized, EOW and Well Recap
  - Real time operations monitoring, real time system setups and installations
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## Projects

### Rig and office Real Time Operations system for Dana Gas

- Project started as a pilot and then implemented for more consequent wells
- Our role was to rig up system on rig site and test communication for WITS stream between site come software and other service providers WITS (MWD, Mud logging, E-Line logging, Cementing)
- Making sure after this phase that all seats on head office are able to see the stream coming from the field.
- One of our main tasks was to provide support along with Kongsberg team to the RTO discovery wells users
- Prepare the required work flows that improve operational efficiency
- Setting an environment to visualize and understand relationships between the drilling processes in the earth context
- Be head of the event of drilling to forecast drilling problems

### Dana Gas - Drilling Operations Management and Follow up

- It was a rotation role to act as rig drilling engineer
- Support drilling operations management system
- Work among drilling department personnel to achieve best KPI

### Implementation of drilling performance analysis tool for DANA GAS

- DPA - Drilling Performance Analyzer is used to perform analysis and micro analysis on offset wells data as pre-well design stage data preparation for well plan.

### Drilling Data Management System Implementation – Nigeria

- Implementation and training for MCS DDMS (Drilling Data Management Solution)

### Flow Management Suite business analysis and R/D support

- A suite of integrated risk management and process optimization
- Aim to optimize drilling and production performance.

## **Drilling Software Management Experiences**

### **Drilling Data Management System**

#### **DDMS – Drilling Data Management System (MCS)**

- DRRS - Daily Rig Reporting System
  - DDR - Drilling Data Reporter
  - Web DRRS - Web Reporting System
  - DPA – Drilling Performance Analyzer
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### **Real Time Operations suit**

Manages both time-indexed and depth-indexed data in Real-Time

#### **Kongsberg Discovery wells both desktop and web based**

- Data acquisition and conversion
- Data transfer
- Data storage and archival
- Alarm system

#### **Discovery Suite™**

Visualization, Analysis, Smart Agents, Reports, KPIs, Based on WITSM

### **Drilling Engineering Design Software**

#### **Drill Net Engineering package – Paradigm Drill winds**

- Well Planning/Projection Model
- Anti-Collision Analysis Model
- Casing Stress Check Model
- Hydraulics for Surge/ Swab Model
- Kill sheet Application Model
- Kick Simulation Model

#### **LinkedIn Articles**

[Drilling Data Analysis, Drilling Performance Optimization, Real-Time Drilling Data Management, Well Design](#)