

# **IAS**

**INDUSTRIAL ACTION SERVICES, INC.**

**SPEED · PRECISION · RELIABILITY**

## **High Velocity Chemical Cleaning Descaling Project**

**IAS Gulf - FZE**

**Turnkey Oil & Gas Services and Equipment Trading**

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HQ - Dubai SOA

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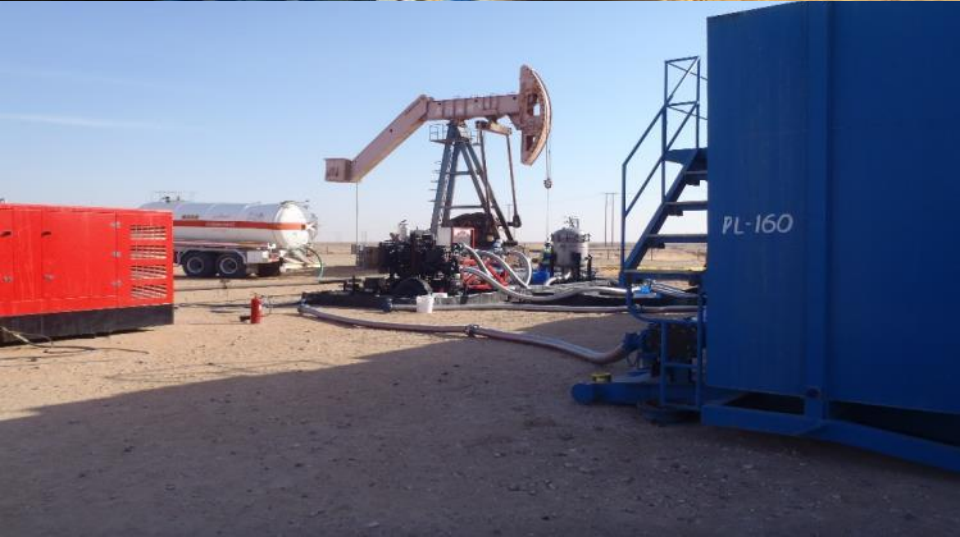
Dubai, U.A.E.

IAS Specializing in System  
Decontamination through High Velocity  
Chemical Cleaning, High Velocity Oil  
Flushing and Advanced Fluid  
Purification  
All Services Designed to Improve  
Machine Reliability

# Project Time Line

- 03/01/2014 - IAS personnel Mobilize to project site.
- 03/02/2014 – IAS begin staging of equipment at Project site 1 and 2.
- 03/03/2014 – IAS continue staging of equipment at Project site 1 and 2.  
24 hour service begins.
- 03/04/2014 – IAS continues setting up equipment and interconnections of hose for connection to Crude Oil pipeline. Solution of IAS-5150 is preheated and readied for introduction to the piping.
- 03/05/2014 – Well Head production is secured at 06:30 and final connections are made at project site 1 and 2 to Crude Oil pipeline. Piping is evacuated and flushed with fresh water to remove petroleum product from the pipeline.
- 03/06/2014 – IAS 5150 mixture is introduced into Crude Oil pipeline.
- 03/07/2014 – 03/10/2014 – IAS 9802 Chelation agent is introduced into the system.
- 03/11/2014 - Continue Chelation. IAS begins Neutralization
- 03/12/2014 – IAS Begins Passivation. Passivation completed, prepared for inspection Turnover pipeline to customer at 15:00.
- 03/13/2014 – 03/15/2014 – IAS begins disconnection from System.
- 03/15/2014 – IAS demobilizes from the site.

# Project Site Number 1 Equipment Set Up



# Project Site Number 2 Equipment Set Up





# Pipeline Prior to IAS High Velocity Chemical Cleaning



# Pipeline After IAS High Velocity Chemical Cleaning



# Conclusion

- Extended life of the wellhead pipeline
- Ensured full flow and maximum production from well head to refinery
- Prevent costly downtime
- Minimize future maintenance and repair costs on pipeline.

