Hazards Associated with Rig Moving & the IADC Rig Moving Committee

Rhett Winter
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By Rhett Winter
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3 PRIMARY STEPS to a RIG MOVE (ONSHORE)

- **RIG DOWN**
The Company Man releases the rig from the well and rigging down sequences can commence.
Take apart equipment for storage and portability. Equipment typically must be disconnected from power sources, decoupled from pressurized systems, disassembled and moved off the rig floor or off location.

- **MOVE or SKID**
Transporting the rig to the next location or well

- **RIG UP**
To make ready for use. Equipment must typically be moved onto the rig floor, assembled and connected to power sources or pressurized piping systems.

*Depending on the type of rig, the layout may vary. However all equipment must be set in place according to the associated rig layout. The order of setting the equipment in place may also vary.*
Roles and Responsibilities

Prior to any rig move starting designated roles and responsibilities should be determined. A standard rig move usually involves three parties.

1. Company man – oil company representative
   a. Compliance with regulations, coordinating and supervising of all activities at the work site
   b. Promoting worker health and safety
   c. Conducting hazard assessments on the rig move and the route

2. Toolpusher – drilling rig manager
   a. Directing and supervising the rig crew
   b. Ensuring safe handling of rig equipment
   c. If available provide truckpusher with equipment weights and dimensions
   d. Conducting hazard assessments on the rig move and the route

3. Truckpusher – trucking company representative or trucking manager if trucking owned by drilling contractor
   a. Coordinate rig move with Company Man and Toolpusher
   b. Ensure required load permits have been acquired
   c. Directing and supervising the trucking personnel
• Move It! Rig Move Safety for Roughnecks and Truckers (NIOSH Publication)
• http://youtu.be/tD-kmXI2M1c (start from 1 min in)
US Land Total Recordable Incidents by Operation
Based on 768 Incidents (2013 ISP Annual Report)
US Land Total Recordable Incidents by Incident Type
Based on 768 Incidents
Additional Hazards:

- Existing Wells on locations (becoming more common)

- More rig moving companies in boom areas (Permian, Bakken, Marcellus)

  *This can lead to a compromise in safety, higher turnover rates, decrease in production etc. (domino effect)*

- Weather

- Roads/Transportation

- Power lines/electrical

- 3rd party (string up, directional services, ditch services, rig computer system, welder)
History of IADC

-Founded as the American Association of Oilwell Drilling Contractors (AAODC) in 1940.

-In 1972, the AAODC became the International Association of Drilling Contractors (IADC), beginning its transformation to an international organization.

-Today, IADC represents drilling contractors, oil and gas producing companies and manufacturing and service companies worldwide and is truly a multinational organization.

-IADC is a member-driven, 501(c)(6) non-profit organization.
IADC Members

- **Worldwide Totals**
  - 417 - Drilling & Well Servicing Contractors
  - 57 - Major & Independent Producers and National Oil Companies
  - 985 - Oilfield Service & Supply Firms

- **US Totals**
  - 187 - Drilling & Well Servicing Contractors
  - 31 - Major & Independent Producers and National Oil Companies
  - 760 - Oilfield Service & Supply Firms

- **US Land Totals**
  - 165 - Drilling & Well Servicing Contractors

- **US Offshore Totals**
  - 22 - Drilling & Well Servicing Contractors
IADC Rig Moving Committee

Mission Statement
The mission of the IADC Rig Moving Committee is to protect our employees, equipment, and the environment by providing leadership and guidance for industry practices and regulations.

The committee also provides a forum to exchange the best practices of members and to disseminate those practices to the IADC membership; and to serve as a channel for members, government agencies, manufacturers and customers to interact to improve the performance of the industry in matters relating to rig moving activities.
IADC Rig Moving Committee

Chairman: Charles Vannatta, Wilbanks Trucking Inc.

Vice Chairman: Daniel Taylor, Lariat Services
IADC Rig Moving Committee

Rig Moving Committee Resources – KSA
/Competency Documents:

- Tandem-Bed Truck Operator
- Pole Truck Operator
- Swamper
- Winch-Haul Truck Operator
- Front-End Wheel Loader Operator

http://www.iadc.org/rig-moving-committee/
IADC Rig Moving Committee

Meets quarterly at location voted on by the committee.

- Next meeting is scheduled for January 22, 2015 in the DFW area.

*The new IADC Drilling Manual 12\textsuperscript{th} Edition will also feature a new chapter covering rig moving.

Thanks to the following companies for providing the photos/publications:

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NIOSH
QUESTIONS?