# Dropped Objects

October 2007

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# BP Dropped Object Workgroup

**<u>BP Dropped Objects Workgroup</u>**:

Joint BP and Drilling Contractor workgroup to identify the areas of greatest dropped object risk and develop a campaign plan designed to address the hazard and significantly reduce incidents. Primary focus is on dropped object risks associated with rig personnel and equipment

**<u>Contractors Involved in Dropped Objects Workgroup</u>**:

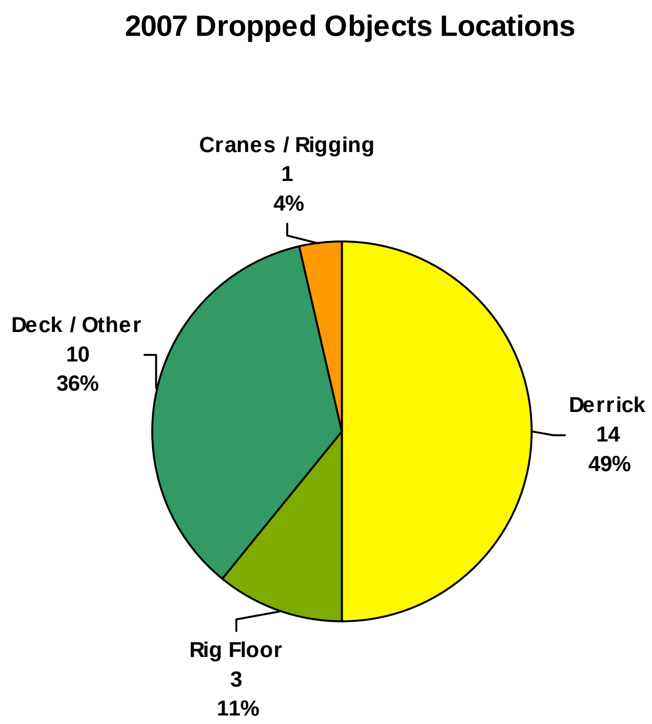
- BP
- Diamond Offshore
- Transocean
- Global Santa Fe
- Pride Offshore
- Rowan Drilling

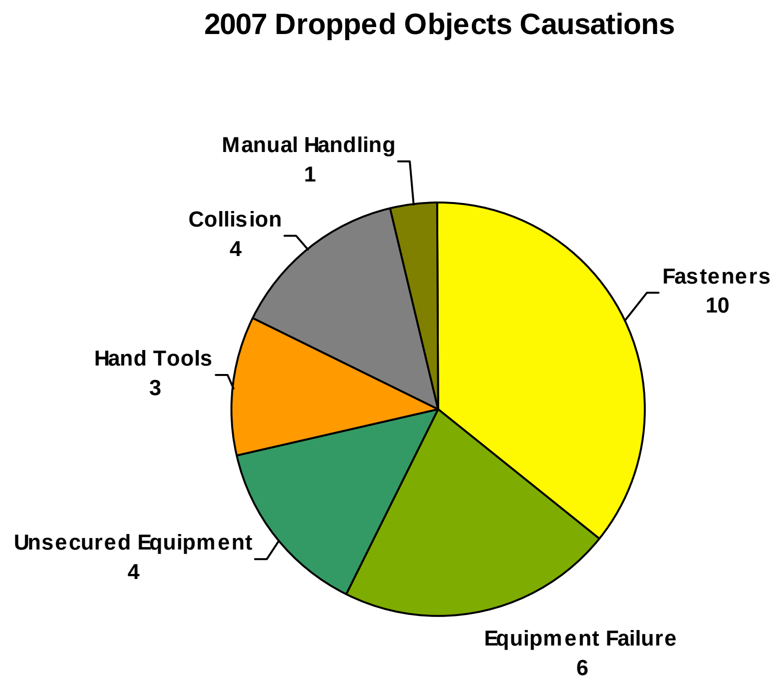
# Dropped Objects Workgroup Objectives

**Objectives**

- Raise awareness and increase vigilance
- Hazard identification / hazard hunts
- Use of Golden Rules and existing contractor safety management system reinforced
- Effective use of job and task analysis
- Effective use of STOP, Behavior Based Safety, Pause systems
- Discussion and report back on lessons learned to be shared with other BP sites and key contractors

# Classification Analysis (Trending)




Trending of data is key to identifying potential problem areas. Trending your data by "area of incident" and "causation" will help you identify area's of improvement.

# What are some common themes?

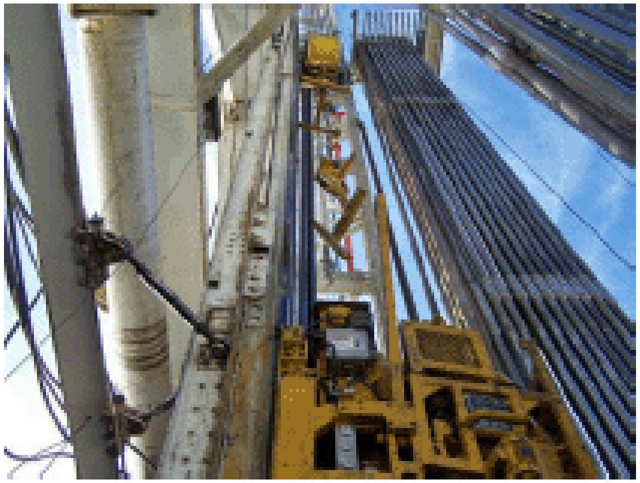
- Failure to follow procedures which would have prevented the dropped object
- Procedures or JSAs which did not anticipate dropped object potential
- Operator mistake – unfamiliar with the equipment or initiated wrong action
- Improvised or poorly engineered solutions to help get the job done
- Third party tools and equipment
- Maintenance

# Dropped Objects

## Tools we Use to Raise Awareness

# Tools We Use
# (Awareness Questions for Leadership)

- How well are we using Our **Dropped Object Prevention Programme**?
- Is our rig and 3rd party **inspection adequate**?
- Are we using **lessons learned** from others?
- Do our **maintenance practices** effectively address dropped object prevention?
- How can our **JSEA's** better identify hazards from dropped objects?
- How well do we (our crews) know our **barrier process**?
- Are we effectively using **hazard hunts**?
- What **actions** will we take as a result of this meeting?



# Tools We Use (Awareness Questions for Crews)

- Do we understand & comply with our **barrier** policies?
- How can we better use site discussions to focus on reducing dropped object occurrences?
- Do our **hazard hunts** identify dropped object potential?
- How would you **stop an unsafe job**?
- Are our **inexperienced crew members** aware of dropped object risks?
- What are **you going to do** as a result of this meeting?
- Do our **JSEA's** adequately identify dropped object risks?

# Tools We Use
# (Awareness Presentation)

- Awareness presentation are a great way to raise awareness of potential dropped objects, as well as dropped objects
- Awareness presentations are a series of pictures identified by the work force as potential dropped objects

# Dropped Object
# Module 1 : Derrick

- **Module 1 : Derrick**
- Module 2 : **Rig Floor**
- Module 3 : **Deck / Other**
- Module 4 : **Cranes / Rigging**
- Module 5 : **Tuggers**

WHAT'S WRONG?

**HOW CAN WE IMPROVE?**

# Derrick

While tripping in the hole, a 1 ¼ " nut, weighing 12 oz, backed off the bolt from a derrick member and fell 196'

WHAT'S WRONG?

**HOW CAN WE IMPROVE?**

## Derrick

While lowering the top drive, one mount for the top drive alignment cylinder, weighing 1lb 6oz, broke off and fell 31' to the rig floor

# Tools We Use
# (Dropped Object Safety Inspection Checklist)

Date: ________________ Inspectors Name: ______________________________ Facility: _________________

| | | Yes | No |
|---|---|---|---|
| 1. | Are personnel having tool box talks to highlight the need for continuous Observation for defects or potential dropped objects within the derrick and substructure? | ☐ | ☐ |
| 2. | Is the derrick log book being kept up to date for all items & personnel Working in the derrick? | ☐ | ☐ |
| 3. | Are build ups of grease on draw works removed regularly? | ☐ | ☐ |
| 4. | Have permanently bolted items in derrick been checked recently to ensure they Are still tight? | ☐ | ☐ |
| 5. | Are safety cables utilized on lights and speakers throughout the facility? | ☐ | ☐ |
| 6. | Are there any potential dropped objects near handrails that could fall to the deck below? | ☐ | ☐ |
| 7. | Are barriers erected at the job site for work taking place overhead? | ☐ | ☐ |
| 8. | Are the crews incorporating dropped objects discussions in the pre-job planning? | ☐ | ☐ |
| 9. | Are loads being checked prior to lifting for articles left on them? | ☐ | ☐ |
| 10. | Are tools being carried at height secured with a lanyard? | ☐ | ☐ |
| 11. | Is 3rd party equipment that is being hoisted into derrick, being inspected prior to use? | ☐ | ☐ |
| 12. | Ensure that all shackles used at heights are properly moused off and secured? | ☐ | ☐ |
| 13. | Are removable handrails securely in place? | ☐ | ☐ |
| 14. | Are grating clips properly secured around facility? | ☐ | ☐ |
| 15. | Are there barriers in place while working over open grating, to prevent tools from falling Falling through the grating? | ☐ | ☐ |

*Comments / Discrepancies / Concerns:* ______________________________________________

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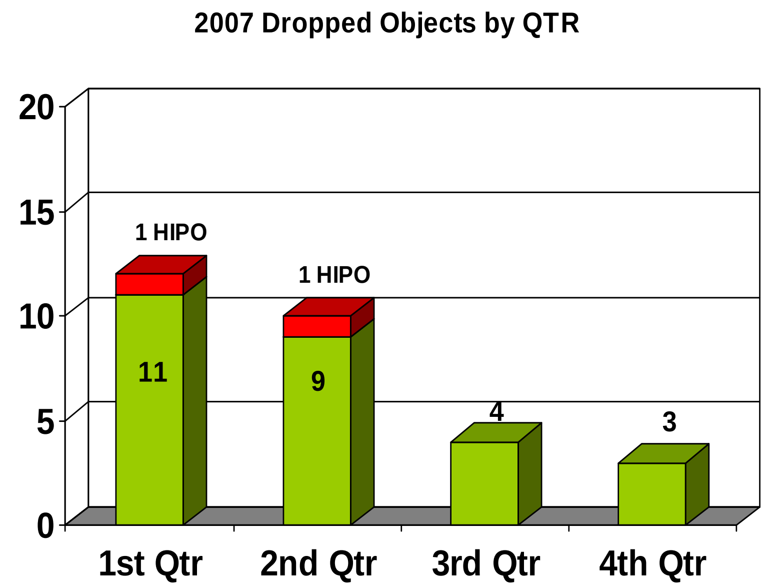
# Drilling & Completions Performance

- 29 Dropped Objects YTD 2007
- 2 Dropped Object HIPO's YTD 2007
- Started the GoM Dropped Objects Campaign beginning 3rd QTR 2007
- Since the start of the campaign in the second half of the year we have had a 54% reduction in Dropped Objects for the second half
- Zero HIPO's since the start of the campaign



# Dropped Objects Stand-Down
# Resources & Information

**Resources**

- This is part of the DROPS website where downloads are available for your use.

  http://www.dropsworkpack.com

- The link below is to BP's HSSE website on Golden Rules – Lifting Ops

  http://hsse.bpweb.

- "Step Change in Safety" is another site offering useful information

  http://stepchangeinsafety.net

- This pre-job check sheet document was produced by the Egypt Team as a means to increase awareness on Dropped Objects

Microsoft Word Document