

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

ACCIDENT INVESTIGATION REPORT

1. OCCURRED

DATE: 15-SEP-2009 TIME: 2000 HOURS

2. OPERATOR: Statoil Gulf of Mexico LLC
REPRESENTATIVE: Worsham, Michael
TELEPHONE: (713) 579-9900
CONTRACTOR:
REPRESENTATIVE:
TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING DEVICE
- DAMAGED/DISABLED SAFETY SYS.
- INCIDENT >\$25K
- H2S/15MIN./20PPM
- REQUIRED MUSTER
- SHUTDOWN FROM GAS RELEASE
- OTHER

3. OPERATOR/CONTRACTOR REPRESENTATIVE/SUPERVISOR
ON SITE AT TIME OF INCIDENT:

6. OPERATION:

4. LEASE: G20341
AREA: WR LATITUDE:
BLOCK: 543 LONGITUDE:

- PRODUCTION
- DRILLING
- WORKOVER
- COMPLETION
- HELICOPTER
- MOTOR VESSEL
- PIPELINE SEGMENT NO.
- OTHER

5. PLATFORM:
RIG NAME: MAERSK DEVELOPER

6. ACTIVITY: EXPLORATION(POE)
 DEVELOPMENT/PRODUCTION
(DOCD/POD)

8. CAUSE:

7. TYPE:
 HISTORIC INJURY
 REQUIRED EVACUATION 1
 LTA (1-3 days)
 LTA (>3 days)
 RW/JT (1-3 days)
 RW/JT (>3 days)
 Other Injury

- EQUIPMENT FAILURE
- HUMAN ERROR
- EXTERNAL DAMAGE
- SLIP/TRIP/FALL
- WEATHER RELATED
- LEAK
- UPSET H2O TREATING
- OVERBOARD DRILLING FLUID
- OTHER _____

- FATALITY
- POLLUTION
- FIRE
- EXPLOSION

LWC HISTORIC BLOWOUT
 UNDERGROUND
 SURFACE
 DEVERTER
 SURFACE EQUIPMENT FAILURE OR PROCEDURES

9. WATER DEPTH: 6606 FT.
10. DISTANCE FROM SHORE: 182 MI.
11. WIND DIRECTION: WNW
SPEED: 12 M.P.H.
12. CURRENT DIRECTION: WNW
SPEED: 1 M.P.H.
13. SEA STATE: 3 FT.

COLLISION HISTORIC >\$25K <=\$25K

17. INVESTIGATION FINDINGS:

On 15 September 2009 at 2000 hours, the deck crew was moving a 7.1 ton Bottom Hole Assembly (BHA) using a subsea knuckle boom crane from the Auxiliary Riser Pipe Shuttle (RPS) to the main RPS. The BHA was landed onto the main RPS when the deck crew began to reposition the BHA closer towards the drill floor. Once the load was lifted by the crane for repositioning, the front section of the load started to swing to starboard, with personnel in all four corners of the main RPS. A drilling contractor employee stepped forward to grab a tag line when the load swung towards him, backed him up and pinned him over the handrail. The employee fell to the floor in the fetal position when the load began to swing away from him.

Rig medical personnel requested medical evacuation to West Jefferson Hospital for examination and observation. The contract employee was released from the hospital and returned to the rig by helicopter at 1500 hours on 16 September 2009.

The investigation indicated that the Assistant Driller changed the task by having the BHA moved closer to the rig floor. This change in task required the contract employee to enter an area that was in close proximity to the suspended load. The deck crew failed to stop work and reevaluate possible changes to risk involved in new job requirements. All changes to job requirements are to be treated as a new job, which requires a Job Safety Analysis (JSA) to be completed.

18. LIST THE PROBABLE CAUSE(S) OF ACCIDENT:

The probable causes of this incident was that the Crane Operator did not assess the lift conditions prior to lifting the BHA, while utilizing inexperienced Roustabouts and a Banksman.

19. LIST THE CONTRIBUTING CAUSE(S) OF ACCIDENT:

*The Crane Operator never discussed the lift with the deck crew; therefore, all personnel were not aware of where the lift was being landed.

*The job task changed, yet the crew did not stop work to conduct a JSA and reevaluate the new job requirements.

20. LIST THE ADDITIONAL INFORMATION:

N/A

21. PROPERTY DAMAGED:

None

NATURE OF DAMAGE:

N/A

ESTIMATED AMOUNT (TOTAL):

\$

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:
Due to the specific nature of this incident, the Houma District has no recommendations to report to the Regional Office of Safety Management.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: **NO**

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

None

25. DATE OF ONSITE INVESTIGATION:

13-NOV-2009

26. ONSITE TEAM MEMBERS:

**James Richard / Jerry Freeman /
Casey Bisso /**

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

30. DISTRICT SUPERVISOR:

Bryan A. Domangue

APPROVED

DATE: **15-DEC-2009**

INJURY/FATALITY/WITNESS ATTACHMENT

OPERATOR REPRESENTATIVE

INJURY

CONTRACTOR REPRESENTATIVE

FATALITY

OTHER _____

WITNESS

NAME :

HOME ADDRESS :

CITY :

STATE :

WORK PHONE :

TOTAL OFFSHORE EXPERIENCE : YEARS

EMPLOYED BY :

BUSINESS ADDRESS :

CITY :

STATE :

ZIP CODE :

Crane/Other Material-Handling Equipment Attachment

Equipment Information

Installation date: **01-JAN-2008**

Manufacturer: **NATIONAL OILWELL VACRO**

Manufacture date: **01-JAN-2007**

Make/Model: **NATIONAL OILWELL VACRO / SUBSEA HANDLING KNUCKLEBO**

Any modifications since manufactured? Describe and include date(s).

None

What was the maximum lifting capacity at the time of the lift?

Static: **330000** Dynamic: **363700**

Was a tag line utilized during the lift? **Y**

Were there any known documented deficiencies prior to conducting the lift? If yes, what were the deficiencies?

None

List specific type of failure that occurred during this incident. (e.g. cable parted, sticking control valve, etc.)

None

If sling/loose gear failure occurred does operator have a sling/loose gear inspection program in place? **NA**

Type of lift: **DD**

For crane only:

Type of crane: **ELECTRICAL**

Boom angle at time of incident: Degrees: **33** Radius: **130**

What was load limit at that angle? **30000**

Crane equipped with: **L**

Which line was in use at time of incident? **L**

If load line involved, what configuration is the load block: **4** part.

Load Information

What was being lifted? **PIPE**

Description of what was being lifted (e.g. 10 joints of 2 3/8-inch pipe, ten 500-lb. sacks of sand, 2 employees, etc.)

BHA/MWD Tool

Approximate weight of load being lifted: **15653**

Was crane/lifting device equipped with an operable weight indicator? **Y**

Was the load identified with the correct or approximate weight? **Y**

Where was the lift started, where was it destined to finish, and at what point in the lift did the incident occur? Give specific details (e.g. pipe rack, riser cart, drill floor, etc.)

7.1 Ton, 7 feet long, 9.5" diameter BHA Tool

If personnel was being lifted at the time of this incident, give specific details of lifting device and riding apparatus in use (e.g. 1) crane-personnel basket, 2) air hoist-boatswain chair, other)

No

Were personnel wearing a safety harness? **NA**

Was a lifeline available and utilized? **NA**

List property lost overboard.

NONE

Rigger/Operator Information

Has rigger had rigger training? **Y**

If yes, date of last training: **16-JUL-0009**

How many years of rigger experience did rigger have? **2**

How many hours was the operator on duty prior to the incident? **8**

Was operator on medication when incident occurred? **N**

How many hours was the rigger on duty prior to the incident? **8**

How much sleep did rigger have in the 24 hours preceding this incident? **10**

Was rigger on medication when incident occurred? **N**

Were all personnel involved in the lift drug tested immediately following this incident?

Operator: **N** Rigger: **N** Other: **NO**

While conducting the lift, was line of sight between operator and load maintained?

Y

Does operator wear glasses or contact lenses? **N**

If so, were glasses or contacts in use at time of the incident? **N**

Does operator wear a hearing aid? **N**

If so, was operator using hearing aid at time of the incident? **N**

What type of communication system was being utilized between operator and rigger at time of this incident?

RADIO/VHF

For crane only:

What crane training institution did crane operator attend?

ENERGY CRANES, LLC

Where was institution located? **HOUSTON, TEXAS**

Was operator qualified on this type of crane? **Y**

How much actual operational time did operator have on this particular crane involved in this incident?

Years: 0

Months: 9

List recent crane operator training dates.

20 JUL 2007 AND 16 JUL 2009

For other material-handling equipment only:

Has operator been trained to operate the lifting device involved in the incident? **N**

How many years of experience did operator have operating the specific type of lifting device involved in the incident?

Inspection/Maintenance Information

For crane only:

Is the crane involved classified as Heavy, Moderate or Infrequent use.

H

Was pre-use inspection conducted? **Y**

For the annual/quarterly/monthly crane inspections, please fill out the following information:

What was the date of the last inspection? **26-FEB-0009**

Who performed the last inspection? **A.L. TALAVERA**

Was inspection conducted in-house or by a 3rd party? **TP**

Who qualified the inspector? **ABS**

Does operators' policy require load or pull test prior to heavy lift? **N**

Which type of test was conducted prior to heavy lift? **P**

Date of last pull test: **26-FEB-2009** Load test: **26-FEB-2009**

Results: **P**

If fail explain why:

None

Test Parameters: Boom angle: **17** Radius: **160**

What was the date of most recent crane maintenance performed? **15-SEP-0009**

Who performed crane maintenance? (Please clarify persons name or company name.)

OPERATOR, MAERSK DRILLING

Was crane maintenance performed in-house or by a third party? **IH**

What type of maintenance was performed?

Weekly Checks

For other material-handling equipment only:

Was equipment visually inspected before the lift took place?

What is the manufacture's recommendation for performing periodic inspection on the equipment involved in this incident?

Safety Management Systems

Does the company have a safety management program in place? **N**

Does the company's safety management program address crane/other material-handling equipment operations?

N

Provide any remarks you may have that applies to the company's safety management program and this incident?

None

Did operator fill out a Job Safety Analysis (JSA) prior to job being performed?

Y

Did operator have an operational or safety meeting prior to job being performed?

Y

What precautions were taken by operator before conducting lift resulting in incident?

None

Procedures in place for crane/other material-handling equipment activities:

Did operator have procedures written? **Y**

Did procedures cover the circumstances of this incident? **Y**

Was a copy available for review prior to incident? **Y**

Were procedures available to MMS upon request? **Y**

Is it documented that operator's representative reviewed procedures before conducting lift?

Y

Additional observations or concerns:

None