

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

# ACCIDENT INVESTIGATION REPORT

1. OCCURRED

DATE: **10-MAY-2009** TIME: **1115** HOURS

2. OPERATOR: **Badger Oil Corporation**  
REPRESENTATIVE: **Kobina, Audrey**  
TELEPHONE: **(281) 578-3388**  
CONTRACTOR: **BADGER OIL CORPORATION**  
REPRESENTATIVE: **Floris, Dean**  
TELEPHONE: **(337) 560-9119**

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

4. LEASE: **G13342**  
AREA: **HI** LATITUDE:  
BLOCK: **A 263** LONGITUDE:

5. PLATFORM: **B**  
RIG NAME:

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

7. TYPE:

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

- FATALITY
- POLLUTION
- FIRE
- EXPLOSION

- LWC  HISTORIC BLOWOUT
- UNDERGROUND
  - SURFACE
  - DEVERTER
  - SURFACE EQUIPMENT FAILURE OR PROCEDURES

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

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

6. OPERATION:

- PRODUCTION
- DRILLING
- WORKOVER
- COMPLETION
- HELICOPTER
- MOTOR VESSEL
- PIPELINE SEGMENT NO.
- OTHER **Plug & Abandonment**

8. CAUSE:

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

9. WATER DEPTH: **158** FT.

10. DISTANCE FROM SHORE: **77** MI.

11. WIND DIRECTION: **S**  
SPEED: **10** M.P.H.

12. CURRENT DIRECTION:  
SPEED: M.P.H.

13. SEA STATE: **3** FT.

17. INVESTIGATION FINDINGS:

On 10 May 2009 the Plug and Abandonment (P&A) crew arrived in the field at 0700 hours. The third party Crane Mechanic and certified Crane Operator performed a quarterly crane inspection of the subject crane and the crane was used to offload groceries, pump (8,040 lbs) and hydraulic power pack (17,500 lbs). During a lift of the tool shed (10,100 lbs) at 1115 hours, the boom winch motor failed and the boom cable freewheeled, allowing the boom with load to drop approximately 15 feet onto the rental tool shed. The crane sustained damage to the boom, cables, sheaves and boom winch with damage to the rental tool shed, but there was no damage to the platform. There were also no injuries or pollution associated with the incident.

The boom winch motor that failed was a remanufactured replacement acquired in March 2009. Metallurgical analysis showed no indication of existing cracks, casting defects or fatigue in the motor housing. One of the two motor mounting bolts was sheared off inside the winch housing and prevented metallurgical analysis of the bolt.

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

**Mechanical failure of the hydraulic boom winch motor.**

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

20. LIST THE ADDITIONAL INFORMATION:

Badger has replaced the existing two bolt winch motor housing with one using four mounting bolts for added strength and the bolts were upgraded to SAE Grade 8 from the Grade 5 previously used.

21. PROPERTY DAMAGED:

Crane sustained damage to the boom, cables, sheaves and boom winch. Rental tool (load) shed was also damaged. No damage to the platform.

NATURE OF DAMAGE:

Crane boom had to be replaced due to significant damage. Damaged cables, sheaves and boom winch motor replaced due to significant damage.

ESTIMATED AMOUNT (TOTAL): \$150,000

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

The MMS Lake Jackson District makes no recommendations to the MMS Regional Office of Safety Management (OSM).

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

25. DATE OF ONSITE INVESTIGATION:

**11-MAY-2009**

26. ONSITE TEAM MEMBERS:

**Phillip Couvillion / Craig Pohler**  
/

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

30. DISTRICT SUPERVISOR:

**John McCarroll**

APPROVED

DATE: **07-OCT-2010**