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

ACCIDENT INVESTIGATION REPORT

1. OCCURRED
DATE: 07-SEP-2009
TIME: 1145 HOURS

2. OPERATOR: BP Exploration & Production Inc.
REPRESENTATIVE: Onstott, Linda
TELEPHONE: (281) 366-0219

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

4. LEASE: G15610
AREA: GC
LATITUDE: 782
LONGITUDE:

5. PLATFORM: A(MAD DOG SPAR)
RIG NAME:

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

7. TYPE:

8. CAUSE:

9. WATER DEPTH: 4420 FT.

10. DISTANCE FROM SHORE: 134 MI.

11. WIND DIRECTION: NNE
SPEED: 16 M.P.H.

12. CURRENT DIRECTION: NNW
SPEED: 1 M.P.H.

13. SEA STATE: 2 FT.
17. INVESTIGATION FINDINGS:

On 7 September 2009 at 1145 hours a fire alarm was activated near a Heat Media Pump, located in Zone 3 of the Mad Dog platform. Once the fire alarm activated, the platform automatically shut-in, the deluge system for Zone 3 automatically activated and the personnel mustered to their designated stations. The fire team responded to the alarm and established that there was no fire or smoke coming from the particular area of concern. The fire team identified that the TSE for the pump had been activated due to high temperature, which caused the alarm to sound (TSE was set at 160 degrees). There were no injured personnel and no damage to the environment reported for this incident.

Later that morning, the pump was tested and bearing damage was found. It was discovered that the bearing began to wear and have metal to metal contact due to the use of incorrect silicon-based lubricant that was being used at the time of the incident. This metal to metal contact caused the high temperature and eventually the bearing failure.

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

Bearing damage was the probable cause of the incident.

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

The contributing cause of this incident was the inefficiency of the incorrect silicone-based lubricant.

20. LIST THE ADDITIONAL INFORMATION:

n/a

21. PROPERTY DAMAGED: NATURE OF DAMAGE:

The property damaged was a TSE and bearing damage in the pump.

The TSE was replaced and returned to service.

The pump was replaced and was sent in for further investigation.

ESTIMATED AMOUNT (TOTAL): $10,000

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

Due to the specific nature of this incident, the Houma District has no recommendations to report to the Regional Office.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO
24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE: N/A

25. DATE OF ONSITE INVESTIGATION:

26. ONSITE TEAM MEMBERS: Casey Bisso /

29. ACCIDENT INVESTIGATION PANEL FORMED: NO

OCS REPORT:

30. DISTRICT SUPERVISOR: Bryan A. Domangue

APPROVED
DATE: 16-OCT-2009