

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

ACCIDENT INVESTIGATION REPORT

1. OCCURRED

DATE: **28-SEP-2009** TIME: **1645** HOURS

2. OPERATOR: **Apache Corporation**
REPRESENTATIVE: **Dugas, David**
TELEPHONE: **(337) 354-8124**
CONTRACTOR:
REPRESENTATIVE:
TELEPHONE:

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

4. LEASE: **G02925**
AREA: **PL** LATITUDE:
BLOCK: **10** LONGITUDE:

5. PLATFORM: **B-AUX**
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
- H2S/15MIN./20PPM
- REQUIRED MUSTER
- SHUTDOWN FROM GAS RELEASE
- OTHER

6. OPERATION:

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

8. CAUSE:

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

9. WATER DEPTH: **30** FT.

10. DISTANCE FROM SHORE: **6** MI.

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

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

13. SEA STATE: FT.

17. INVESTIGATION FINDINGS:

During normal operations, a small fire developed in the Number 2 generator (manufactured in the 1970s) with the small flames and smoke limited to the generator room on the lower level of the B-platform of the South Pelto 10 complex. A 30 pound CO2 extinguisher was used to extinguish the fire. Subsequent to the incident, it was determined that the generator's stator windings had grounded out to the stator frame as a result of thermal aging of the insulation.

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

According to the Operations Manager at Houma Armature, the probable cause of failure was the generator's stator windings grounding out due to thermal aging of the insulation. After the initial grounding started at the corner of the stator slot, the insulation broke down over time due to the increased heat.

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

A possible contributing cause is contaminates in the winding. Once the insulation breaks down, contaminates, which include dust and grease, will hold moisture in the air and causes the stator windings to be grounded to the stator frame.

20. LIST THE ADDITIONAL INFORMATION:

None

21. PROPERTY DAMAGED:

Generator

NATURE OF DAMAGE:

Insulation and stator damage

ESTIMATED AMOUNT (TOTAL):

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:

None.

25. DATE OF ONSITE INVESTIGATION:

26. ONSITE TEAM MEMBERS:

Kelly Bouzigard / Doug Sevin /

29. ACCIDENT INVESTIGATION
PANEL FORMED: ~~NO~~

OCS REPORT:

30. DISTRICT SUPERVISOR:

Bryan A. Domangue

APPROVED

DATE: **24-DEC-2009**

FIRE/EXPLOSION ATTACHMENT

1. SOURCE OF IGNITION: **Generator winding**

2. TYPE OF FUEL: GAS
 OIL
 DIESEL
 CONDENSATE
 HYDRAULIC
 OTHER **Stator heat buildup**

3. FUEL SOURCE: **Electrical**

4. WERE PRECAUTIONS OR ACTIONS TAKEN TO ISOLATE
KNOWN SOURCES OF IGNITION PRIOR TO THE ACCIDENT ? **NO**

5. TYPE OF FIREFIGHTING EQUIPMENT UTILIZED: HANDHELD
 WHEELED UNIT
 FIXED CHEMICAL
 FIXED WATER
 NONE
 OTHER