

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT
GULF OF MEXICO REGION

ACCIDENT INVESTIGATION REPORT

For Public Release

1. OCCURRED

DATE: 29-APR-2017 TIME: 0112 HOURS

2. OPERATOR: Anadarko Petroleum Corporation

REPRESENTATIVE:

TELEPHONE:

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: G22987

AREA: GC LATITUDE:

BLOCK: 680 LONGITUDE:

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

5. PLATFORM: A (Constitution)

RIG NAME:

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

8. CAUSE:

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

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

9. WATER DEPTH: 4970 FT.

10. DISTANCE FROM SHORE: 134 MI.

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

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

13. SEA STATE: FT.

17. INVESTIGATION FINDINGS:

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On April 29,2017, a fire occurred on the Green Canyon 680-A Constitution spar platform (OCS-G 22987). Anadarko Petroleum Corporation is the Designated Operator of Record. The platform is situated 134 nautical miles from shore in 4,970 feet of water.

At approximately 1:12 a.m., operators responding to a Level Safety Low (LSL) alarm for the Flash Gas Compressor No.2 coolant tank witnessed a fire. The operators shut in the platform, activated the general alarm, and then extinguished the fire with a handheld portable fire extinguisher. After the general alarm sounded, all personnel on the platform mustered to their assigned locations. There were no reportable injuries to personnel during this incident.

Investigation findings show vibration caused a hole to develop in stainless steel tubing containing engine coolant. The vibration of the compressor engine caused the tubing to rub against a retaining bolt head, creating a hole and allowing coolant to spray onto the engine exhaust piping. The piping was covered with protective heat blankets. Once the blankets became saturated with the coolant, the hot exhaust from the engine ignited the coolant and caused the resulting fire.

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

The vibration of the compressor engine caused the tubing to rub against a retaining bolt head, creating a hole and allowing coolant to spray onto the engine exhaust piping. The piping was covered with protective heat blankets, and once saturated with the coolant, ignited.

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

N/A

20. LIST THE ADDITIONAL INFORMATION:

N/A

21. PROPERTY DAMAGED:

Two heat blankets and tubing

NATURE OF DAMAGE:

Fire

ESTIMATED AMOUNT (TOTAL): \$300

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

The Houma District has no recommendation for the Regional Office.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

None

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25. DATE OF ONSITE INVESTIGATION:

05-MAY-2017

26. ONSITE TEAM MEMBERS:

Terry Hollier / Keith Barrios /

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

30. DISTRICT SUPERVISOR:

Bryan Domangue

APPROVED

DATE: **12-JUN-2017**