

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: 08-APR-2019 TIME: 0600 HOURS

2. OPERATOR: Talos Energy Offshore LLC

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR:

REPRESENTATIVE:

TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING
- DAMAGED/DISABLED SAFETY SYS.
- INCIDENT >\$25K \$75,000
- H2S/15MIN./20PPM
- REQUIRED MUSTER
- SHUTDOWN FROM GAS RELEASE
- OTHER

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

8. OPERATION:

4. LEASE: G01238

AREA: PL LATITUDE:
BLOCK: 23 LONGITUDE:

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

5. PLATFORM: D
RIG NAME:

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

9. CAUSE:

7. TYPE:

INJURIES:

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

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

- POLLUTION
- FIRE
- EXPLOSION

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

- 10. WATER DEPTH: 61 FT.
- 11. DISTANCE FROM SHORE: 20 MI.
- 12. WIND DIRECTION:
SPEED: M.P.H.
- 13. CURRENT DIRECTION:
SPEED: M.P.H.
- 14. SEA STATE: FT.
- 15. PICTURES TAKEN:
- 16. STATEMENT TAKEN:

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

17. INVESTIGATION FINDINGS:

At approximately 0600 hours on April 08, 2019, an incident occurred at South Pelto Block 23 Platform D, OCS-G 01238. The operator of record is Talos Energy Offshore LLC. The platform is located approximately 20 miles from shore in 60 feet of water.

On the morning of April 8, 2019, at approximately 0600 hours, a process shut-down alarm was activated for the Burner Safety Low (BSL) on the Heater Treater (NBK-2900). While responding to the alarm, the operators discovered a fire on the west side of the Treater's Fire Box (EAW-2910). The platform Emergency Shutdown (ESD) and Fire Alarm were activated and the fire was extinguished with the use of a fire hose and hand held fire extinguisher. No injuries to personnel were reported during the incident. Bureau of Safety and Environmental Enforcement (BSEE) inspectors arrived at the facility on April 8, 2019 to begin the investigation of the incident. A damage survey and witness statements were taken.

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

During the investigation, it was determined that hydrocarbons leaked into the Fire Tube Chamber from cracks in the tube. Hydrocarbons came into contact with the burner flame due to an incline at the fire tube due to insufficient support. Once the hydrocarbons ignited, the flames melted the aluminum fire box activating the (BSL). At the time of the incident the normal operating temperature on the Treater was 120 degrees Fahrenheit.

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

Normal daily platform production prior to the incident was 600 to 630 barrels of oil per day (BOPD) and approximately 605 million cubic feet (MMCF) gas per day. On April 8, 2019, the average daily production was approximately 480 BOPD and 5 MMCF gas per day. Based on lab results after the incident, three issues were determined which could have caused the cracks in the fire tube; Cyclic Bending Loads, Thermal Stress and Vibrations. Inadequate fire tube support along with high temperature and low production may have been a factor in the formation of the cracks in the tube leading up to the fire incident.

20. LIST THE ADDITIONAL INFORMATION:

21. PROPERTY DAMAGED:

NATURE OF DAMAGE:

Fire Box
Fire Tubes
Burner Fuel Gas

Fire

ESTIMATED AMOUNT (TOTAL): \$75,000

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

The Houma District Office has no recommendations for 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:

08-APR-2019

28. ACCIDENT CLASSIFICATION:

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

26. INVESTIGATION TEAM MEMBERS:

**Terry Hollier / Andrew Gros / Brandon
Dunnigan / Bruce Crabtree / Sammy Viola
/**

OCS REPORT:

30. DISTRICT SUPERVISOR: **Amy
Pellegrin**

27. OPERATOR REPORT ON FILE:

APPROVED

DATE:

31-JAN-2020