

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: **03-JAN-2014** TIME: **0515** HOURS

2. OPERATOR: **W & T Offshore, Inc.**  
REPRESENTATIVE:  
TELEPHONE:  
CONTRACTOR:  
REPRESENTATIVE:  
TELEPHONE:

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

4. LEASE: **G13808**  
AREA: **HI** LATITUDE:  
BLOCK: **A 379** 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

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: **390** FT.

10. DISTANCE FROM SHORE: **110** MI.

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

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

13. SEA STATE: FT.

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

17. INVESTIGATION FINDINGS: -

On 3-Jan-2014 at 05:15, while making rounds on the drill deck the Contract Night Operator spotted flames emanating from the rental generator exhaust piping. The operator announced 'fire' on the platform communication system, gai-tronics, and pulled the engine Emergency Shut Down (ESD). The ESD shut down the engine and shut in the platform. Flames were no longer visible once ESD was pulled. A second Contract Operator sprayed two 30# dry chemical fire extinguishers down the exhaust piping to ensure the fire was out, operators cut a hole in the top of the generator enclosure and sprayed the exhaust compartment with water.

No injuries or pollution. Scorch marks were visible on the outside of the exhaust compartment enclosure. Rental unit was returned to Aggreko to determine the cause.

Aggreko determined that the right bank turbo over heated and locked up following a failure of the right bank air intake filter. This caused the fuel being injected into the right bank cylinders to not burn completely. This fuel then burnt in the exhaust, becoming noticeable when insulation shield surrounding the muffler began to burn. Aggreko believes the right bank air filter collapsed due to being clogged.

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

Right bank air intake filter was obstructed, causing fuel to burn in the 'muffler', this caused excessive temperatures that broke down the exhaust compartment's insulation until it burned.

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

20. LIST THE ADDITIONAL INFORMATION:

Rental generator was a 1000 KW 8'X20'X9' skid mounted enclosed unit located on the drill deck 20 feet from the compressor skid. Generator had been on site since 22-NOV-2013.

21. PROPERTY DAMAGED:

Rental Generator.

NATURE OF DAMAGE:

Fire and water damage to exhaust compartment.

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

none

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

25. DATE OF ONSITE INVESTIGATION:

**10-JAN-2014**

26. ONSITE TEAM MEMBERS:

**Michael Hankamer /**

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

30. DISTRICT SUPERVISOR:

**Stephen P. Martinez**

APPROVED

DATE: **27-FEB-2014**