

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: 05-NOV-2014 TIME: 1015 HOURS

2. OPERATOR: PetroQuest Energy, L.L.C.

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: 00060

AREA: SS LATITUDE:

BLOCK: 72 LONGITUDE: -

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

5. PLATFORM: - J

RIG NAME:

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

8. CAUSE:

7. TYPE:

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

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

- FATALITY
- POLLUTION
- FIRE
- EXPLOSION

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

- 9. WATER DEPTH: 20 FT.
- 10. DISTANCE FROM SHORE: 6 MI.
- 11. WIND DIRECTION: N -
SPEED: 1 M.P.H.
- 12. CURRENT DIRECTION: N
SPEED: 1 M.P.H.
- 13. SEA STATE: 1 FT.

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

A 2-inch line located inside of the reboiler ruptured, causing the vessel to overpressure. This forcibly dislodged the pressure safety valve (PSV), thereby releasing liquids into the atmosphere. These liquids contacted the heater treater, and a flash fire occurred. The platform's emergency shutdown system (ESD) was activated, and the source was isolated.

The PSV likely became detached because of improper sizing. Poor threading alignment as evidenced by visible threads justifies this assumption. In addition, the piping was not in compliance.

Other damages include the site glass and PSV nipple. There were no injuries to personnel.

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

Poor design - The PSV likely became detached because of improper sizing. Poor threading alignment as evidenced by visible threads justifies this assumption. In addition, the piping was not in compliance.

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

N/A

20. LIST THE ADDITIONAL INFORMATION:

21. PROPERTY DAMAGED:	NATURE OF DAMAGE:
Site glass, PSV nipple, 2-inch piping inside reboiler	Minor

ESTIMATED AMOUNT (TOTAL): \$

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

The Houma district has no recommendations for the Regional Office.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: **YES**

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

Upon investigating the incident, two Incidents of Noncompliance (INCs) were issued, dated February 18, 2015:

1. PINC No. G-111, actively enforced by component shut-in. The INC description states, "Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? Glycol reboiler BBC-0907

piping not in compliance." The correction date provided is November 5, 2014.

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2. PINC No. P-451, actively enforced by component shut-in. The INC description states, "Is each required PSV set at a pressure no higher than the maximum allowable working pressure? PSV not properly sized on reboiler, not taking into account the pressure build up by a ruptured line inside the reboiler. Note: The lessee shall submit a letter of explanation to the Houma District Office describing why the above incident occurred and how the lessee plans to prevent a reoccurrence." The correction date provided is November 6, 2014.

25. DATE OF ONSITE INVESTIGATION:

15-DEC-2014

26. ONSITE TEAM MEMBERS:

Keith Barrios /

29. ACCIDENT INVESTIGATION

PANEL FORMED: NO

OCS REPORT:

30. DISTRICT SUPERVISOR:

Bryan Domangue

APPROVED

DATE: 26-FEB-2015