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:

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

4. LEASE: 00060
   AREA: SS   LATITUDE:   BLOCK: 72   LONGITUDE: -

5. PLATFORM: - RIG NAME:

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

7. TYPE:
   X HISTORIC INJURY -
   REQUIRED EVACUATION
   LTA (1-3 days)
   LTA (>3 days)
   RW/JT (1-3 days)
   RW/JT (>3 days)
   Other Injury -
   X PATALITY
   POLLUTION
   EXPLOSION

LWC:
   X HISTORIC BLOWOUT
   UNDERGROUND
   SURFACE
   DEVERTER
   SURFACE EQUIPMENT FAILURE OR PROCEDURES

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

8. CAUSE:
   X EQUIPMENT FAILURE
   HUMAN ERROR
   EXTERNAL DAMAGE -
   SLIP/TRIP/FALL
   WEATHER RELATED
   LEAK
   UPSET H2O TREATING
   OVERBOARD DRILLING FLUID
   OTHER

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.
17. INVESTIGATION FINDINGS:

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:

Site glass, PSV nipple, 2-inch piping inside reboiler

NATURE OF DAMAGE:

Minor

ESTIMATED AMOUNT (TOTAL):

$

22. RECOMMENDATIONS TO PREVENT RECURRANCE 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.

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 

30. DISTRICT SUPERVISOR: 
    Bryan Domangue 

APPROVED 
DATE: 26-FEB-2015