

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-JAN-2014** TIME: **1745** HOURS

2. OPERATOR: **Union Oil Company of California**
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 **Generator Fire.**

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

6. OPERATION:

4. LEASE: **G02646**
AREA: **EB** LATITUDE:
BLOCK: **159** LONGITUDE:

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

5. PLATFORM: **A**
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

9. WATER DEPTH: **924** FT.
10. DISTANCE FROM SHORE: **85** MI.
11. WIND DIRECTION:
SPEED: M.P.H.
12. CURRENT DIRECTION:
SPEED: M.P.H.
13. SEA STATE: FT.

LWC HISTORIC BLOWOUT
 UNDERGROUND
 SURFACE
 DEVERTER
 SURFACE EQUIPMENT FAILURE OR PROCEDURES

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

17. INVESTIGATION FINDINGS:-

On 5-Jan-2014 at 17:30 a portable diesel generator caught fire. BSEE investigated the incident 7-Jan-2014 and Chevron conducted a root cause analysis as part of their own investigation. The sequence of events is understood to be as follows:

On 5-Jan-2014 from 09:30 to 10:45 the Platform Mechanic performed maintenance on the diesel generator. Generator remained running and observed for 10 minutes to check for leaks with no leaks detected. At 11:05 the generator enclosure was closed and the unit was loaded. At 17:30 the generator shut down, fire was seen as platform personnel went to investigate. At 17:30 platform personnel extinguished the fire with seven (7) 30# handheld dry chemical fire extinguishers. Generator unit was then cooled with water from water jugs, insulation was removed, and batteries were disconnected to prevent the likelihood of a reignition. At 17:45 the Field Coordinator was informed of the incident and the generator was monitored for reignition through the night. On 8-Jan-2014 a Valerus Diesel Mechanic and a CVX Mechanic arrived on location. The Mechanics used a fuel primer pump to pressure up on the diesel fuel system and discovered a pinhole sized leak in the secondary spin on fuel filter.

Chevron's investigation also determined that the original shut down of the diesel generator was caused by a melted Temperature Safety Element (TSE) within the generator enclosure which initiated a shut in. Damage to the fuel filter was likely caused during installation, being inappropriately tightened with a strap wrench.

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

A leak in the replacement fuel filter.

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

20. LIST THE ADDITIONAL INFORMATION:

The platform was already shut in and had been bled down several weeks prior to the incident. Diesel engine was a Cummins Diesel Engine Mod 6CTA.3G S/N 46201678, Gen Mod 432RSL4638 Gen S/N 5301020402. Fuel filter was an AC-Delco Fuel Filter part# TP1067F.

21. PROPERTY DAMAGED:

Portable diesel engine, namely:
radiator and upper and lower hoses,
radiator fan, alternator, governor,
wiring harness, and belt tensioner.-

NATURE OF DAMAGE:

Fire and water.-

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

none

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT:

NO -

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

none

25. DATE OF ONSITE INVESTIGATION:

07-JAN-2014

26. ONSITE TEAM MEMBERS:

Marcus Bianca / Alvin O'Brien /

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

30. DISTRICT SUPERVISOR:

Stephen P. Martinez

APPROVED

DATE: **27-JAN-2014**