

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: **10-OCT-2021** TIME: **2045** HOURS

2. OPERATOR: **Shell Offshore Inc.**

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR: **Weatherford International**

REPRESENTATIVE:

TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING
- 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:

8. OPERATION:

4. LEASE: **G14221**

AREA: **GB** LATITUDE:

BLOCK: **172** LONGITUDE:

- PRODUCTION
- DRILLING
- WORKOVER
- COMPLETION
- HELICOPTER
- MOTOR VESSEL
- PIPELINE SEGMENT NO.
- OTHER **Well Servicing Opns**

5. PLATFORM: **B(SALSA)**

RIG NAME:

6. ACTIVITY:

- EXPLORATION(POE)
- DEVELOPMENT/PRODUCTION (DOCD/POD)

9. CAUSE:

7. TYPE:

INJURIES:

HISTORIC INJURY

REQUIRED EVACUATION

OPERATOR CONTRACTOR

LTA (1-3 days)

LTA (>3 days)

RW/JT (1-3 days)

RW/JT (>3 days)

FATALITY

Other Injury

0 1

0 1

- 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: **693** FT.

11. DISTANCE FROM SHORE: **104** 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

On 10 October 2021, at approximately 2045 hours, a finger injury occurred at Shell Offshore Inc.'s (Shell) Outer Continental Shelf G-14221 Garden Banks (GB) Block 172B Platform (Salsa) during hydraulic workover unit (HWU) operations on Well B001.

Sequence of Events:

On 10 October 2021, during HWU operations on Well B001 a Halliburton employee, the injured party (IP), was installing 6-inch bails (elevator links) onto a swivel becket. He was wearing impact gloves during the installation. The IP successfully installed the first bail into the swivel becket and then moved to the side of the first bail above the pneumatic back saver to install the second bail. The IP placed his right-hand on top of the second bail and his left-hand midway down the second bail's shaft. As the IP was guiding the second bail into the swivel becket, the swivel becket began to move since the pin was in the locked open position. The bail started to slide downward and off the moving swivel becket, so the IP removed his right hand off the top of the second bail. The IP retained his left hand on the second bail's shaft when he lost control of the bail causing it to impact the top of the pneumatic back saver then fall to the floor. The IP sustained a laceration to his left middle finger when the falling bail impinged it between the pneumatic back saver. The platform medic treated the left middle finger laceration with ice and over-the-counter pain medication.

On 11 October 2021, Shell evacuated the IP to Lafayette General Medical Center hospital located in Lafayette, Louisiana for a medical evaluation. The medical evaluation revealed that the IP sustained a laceration that required five sutures and hairline fracture to left-hand middle fingertip. On 20 October 2021, Shell reported that the IP will have a pin inserted into his left-hand finger due to the hairline fracture and he will require 4 to 6 weeks to recover.

BSEE Investigation:

On 14 October 2021, a Bureau of Safety and Environmental Enforcement (BSEE) Lafayette District Investigators conducted an onsite incident follow-up investigation during a regularly scheduled monthly inspection at Shell's Salsa platform. BSEE met with Shell and Halliburton representatives to collect available information pertaining to the incident and was informed that they were in the initial stages of their investigation, so information was very limited. BSEE gathered any available information including the Employer's First Report of Injury report submitted to the U.S. Department of Labor and coordinated for the delivery of all remaining investigation-related documents.

A post investigation report revealed that cause of the incident was due to improper hand placement on the bail when installing it into a moving swivel becket without supervision, which aligns with information gathered during the BSEE investigation. In addition, the Standard Operating Procedure and the Toolbox Job Safety Analysis was inadequate for this task.

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

The BSEE Incident Investigation Team determined that the probable cause of the incident was due to improper hand placement by the Halliburton employee on the second bail shaft as it was slipping out of his left-hand.

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

BSEE's investigation into this incident identified the following contributing causes: 1) the swivel becket moved due to the pin was in the locked open position instead of closed; 2) the Standard Operating Procedure used at the time of the incident was inadequate and didn't present the options of using a Jib Winch or Push Pole for this task; and 3) the Toolbox Job Safety Analysis was incomplete and didn't specifically address the hazards for this type of task.

21. PROPERTY DAMAGED: NATURE OF DAMAGE:
No property was damaged during this incident. Not applicable.

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

The BSEE Lafayette District makes no recommendations to the Office of Incident Investigations regarding this incident.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: YES

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

Based on the incident investigation findings, a G-110 Incident of Noncompliance (INC) is issued to document that Shell Offshore Inc. (Shell) failed to perform operations in a safe and workmanlike manner during hydraulic workover unit operations on the Salsa Platform located at Garden Banks Block 172B. On 10 October 2021, the injured party (IP) sustained an injury as he was guiding a bail into a swivel becket. The injury was the result of improper hand placement on the bail when his left-hand was pinched between the falling bail and pneumatic back saver. The IP was evacuated and required five sutures to seal the laceration on his left-hand middle finger and he also required a pin to be installed for the hairline fracture on the same finger. The IP required four to six weeks for recovery.

A BSEE Incident Follow-up Investigation Team determined that the injury to the IP's left-hand middle finger was a result of: 1) improper hand placement; 2) the swivel becket moved due to the pin was in the locked open position; 3) the Standard Operating Procedure was inadequate and didn't offer options of using a Jib Winch or Push Pole for this task; and 4) the Toolbox Job Safety Analysis was incomplete and didn't specifically address the hazards for this type of task.

25. DATE OF ONSITE INVESTIGATION:

14-OCT-2021

28. ACCIDENT CLASSIFICATION:

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

For Public Release

OCS REPORT:

26. INVESTIGATION TEAM MEMBERS:

Troy Naquin (Onsite and Report Author)

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27. OPERATOR REPORT ON FILE:

30. DISTRICT SUPERVISOR:

Marty Rinaudo

APPROVED

DATE:

17-FEB-2022