

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: **13-AUG-2020** TIME: **1620** HOURS

2. OPERATOR: **Talos Oil and Gas LLC**

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR:

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: **G04940**

AREA: **GC** LATITUDE:

BLOCK: **18** LONGITUDE:

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

5. PLATFORM:

RIG NAME: **H&P 100**

6. ACTIVITY:

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

9. CAUSE:

7. TYPE:

INJURIES:

HISTORIC INJURY

OPERATOR CONTRACTOR

REQUIRED EVACUATION

1

LTA (1-3 days)

LTA (>3 days)

0

1

RW/JT (1-3 days)

RW/JT (>3 days)

FATALITY

Other Injury

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

POLLUTION

FIRE

EXPLOSION

10. WATER DEPTH: **2755** FT.

11. DISTANCE FROM SHORE: **100** MI.

12. WIND DIRECTION: **N**  
SPEED: **7** M.P.H.

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

14. SEA STATE: FT.

15. PICTURES TAKEN:

16. STATEMENT TAKEN:

LWC  HISTORIC BLOWOUT

UNDERGROUND

SURFACE

DEVERTER

SURFACE EQUIPMENT FAILURE OR PROCEDURES

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

On August 13, 2020, an incident occurred on the Helmerich & Payne (H&P) 100 platform rig while under contract for Talos Oil and Gas LLC. The H&P 100, operating on Talos' production facility, was located in Green Canyon Block 18, OCS-G04940, at the time of the incident. A Floorhand was working out of a riding belt above the rig floor, guiding wireline out of the hole when the wireline pulled out of the rope socket. This caused the tool string and pack off box to impact the top of the lubricator and amputated three fingers on the Floorhand's left hand. The Floorhand was treated by the medic on-scene and sent in on a Medivac flight for further medical treatment.

On Thursday, August 13, 2020, after completing the setting of a liner hanger with wireline, the H&P day crew was in the process of assisting the C&D Wireline crew retrieve wireline/Electric line (E-Line) out of the wellbore. Prior to commencing work, the Rig Manager led the day crew through a pre-tour Job Safety Analysis (JSA) for the day's operation, which included wireline/E-line operations. All documents were reviewed and signed by the H&P day crew and work commenced. The H&P day crew consisted of 1 Toolpusher, 1 Driller, 1 Derrickman, and 3 Floorhands. The C&D Supervisor printed a Job Safety & Environmental Analysis (JSEA). The supervisor, his employee, and tool technician reviewed and signed the document. This crew consisted of 2 C&D Wireline supervisors and 1 Supreme Services tool technician. The wireline unit was positioned and secured at the end of the catwalk, facing the rig floor. There were two wireline sheaves set in position, one secured on the rig floor and the other in the derrick. The wireline/E-line operation had been ongoing since the night before without any issues.

As the wireline/E-line was brought back to surface, the H&P day crew paused to review a JSA on Personnel Hoisting with Manrider winch, along with a H&P Pre-Job Checklist for Personnel Hoisting. All documents were signed by the day crew and work proceeded.

The designated Floorhand was hoisted overhead in a riding belt using the Manrider winch to remove the hydraulic lines from the 3.1 foot long dual pack-off that sat on top of the 27.9 foot tall lubricator. Once the hydraulic lines were removed, the Floorhand was lowered back to the drill floor. The Iron Roughneck was used to break the connection between the drill pipe stump and the lubricator. Again, the Floorhand was hoisted in the air with the Manrider winch to secure a wire sling around the lubricator. Once the sling was attached, he was lowered to the drill floor. With the lubricator left hanging on the sling attached to the air tigger, the Floorhand was hoisted and began to loosen the connection between the dual pack-off and the lubricator. Once the connection was loose, the wireline operator engaged the unit with the dual pack-off resting on top of the wireline tool. As the wireline tool was pulled from the lubricator, the Floorhand extended his left hand to guide the tool. The wireline suddenly pulled free from the rope socket, causing the wireline and the 65 pound dual pack off to fall back on top of the lubricator and amputate the thumb and two fingers on the Floorhand's left hand. A Stop Work Authority (SWA) was initiated and the Floorhand was lowered to the rig floor and escorted to the medic's office. He was later sent in on a medivac flight for further medical treatment.

Due to the COVID -19 pandemic, the Bureau of Safety and Environmental Enforcement (BSEE) investigation team was unable to conduct an initial onsite investigation for this incident. However, all witnesses were interviewed by telephone and pictures along with rig documentation were furnished by the operator at the team's request. The investigation team reviewed all the documentation and established that the standard two-man wireline crew had rigged up the wireline equipment the day prior to the incident with no issues. The wireline unit was secured on the end of the catwalk, facing the rig floor in preparation for running wireline down the wellbore. The wireline crew made up the tools and wireline head and proceeded into the wellbore with a 3.25" skirted magnet to a total depth (TD) of 14,840 feet. After reaching the total depth, the wireline was retrieved back to surface where the tools and wireline head were rigged down. The wireline crew commenced to rigging up the E-line equipment and

sheaves on the rig floor to run a casing collar locator (CCL), Gamma Ray and a 2.125" swedge assembly to TD. After this run was complete, the swedge assembly was removed and another E-Line run was made with the CCL, Gamma Ray and the 3.25" skirted magnet back to TD. Once back to surface, the 3.25" skirted magnet was removed from the tool string and a ball latch, along with the 3" retrievable ball with an E-Line pack-off head was added back to the tool string. Using the pump on the cement unit, the 3" retrievable ball was used in succession with the 2.125" ball seat to successfully set the liner hanger. Once this run was completed to TD, the wireline operator proceeded to pull the tool string to surface.

According to the wireline operator's phone interview, he could clearly see the rig floor from inside the cab of the wireline unit and hand signals were used for the operation. He stated that he placed the unit in first gear and proceeded to pull the tool string out of the hole after setting the casing liner hanger. There were no problems with the unit involved and the crew was not rushed to retrieve the tool string. As the tool string exited the lubricator, the dual pack-off remained resting on top of the lubricator. He was watching the hand signals as well as the tool string, when the dual pack-off is believed to have gotten snagged on the shackle located on the rig hoist line which suspended the lubricator in the derrick. This allowed the wireline to pull out of the rope socket with the wireline falling to the rig floor and someone shouted an all stop. The investigation revealed that the Floorhand that was in the riding belt was using his left hand to guide the tool string out of the lubricator when the 65 pound pack-off fell and amputated his fingers. The investigation also revealed that H&P has an Offshore Hands-Free Work Objective which prohibits workers from placing their hands or fingers on any hoisted loads and that all crew members were trained on this objective. The Driller and other crew members witnessed the Floorhand reach out to guide the tool string out but did not stop the job in accordance with the Offshore Hands-Free Objective. Furthermore, the drill crew involved in the rig down did not sign the C&D wireline JSEA or discuss H&P's Hands-Free Work Objective in the pre-tour meeting.

Since the incident, H&P updated the Offshore Division JSA to outline H&P's responsibilities during the rigging up or down of 3rd party's wireline equipment to include the Hands Free policy, No Go Zones Permitted Operations and the no lifting of additional tools such as pack-off assemblies with the wireline tool itself. Also, H&P created a pre-job planning checklist to be completed before 3rd party activities commence and will re-issue the Hands-Free training and personnel hoisting process for all their Offshore Division rigs.

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

The dual pack-off snagged on a shackle, which over powered the knot on the rope socket and caused the wireline to pull free.

Floorhand's left hand placement was in wrong place.

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

Hands Free Work Objective, Hand placement, and Line of Fire potential were not addressed in pre-tour or C & D wireline JSEA.

C&D wireline JSEA missing step for pulling tool out of lubricator.

Driller and crew witnessed Floorhand reach out for the tool but did not stop the job in accordance to H&P Offshore Hands Free Policy.

Drill crew reviewed but did not sign the C&D wireline JSEA prior to commencing work.

20. LIST THE ADDITIONAL INFORMATION:

n/a

21. PROPERTY DAMAGED: NATURE OF DAMAGE:

n/a n/a

ESTIMATED AMOUNT (TOTAL): \$

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

**BSEE Houma District has no resommendations for the Office of Incident Investigations at this time.**

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

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

**An INC (G-110) was issued:**

On August 13, 2020, an H&P floorhand was hoisted in a riding belt with the Manrider winch to disconnect the Bowen connection on top of the lubricator. After the disconnection, he remained in the riding belt, and used his left hand to guide the wireline tool string to the rig floor after it was pulled out of the lubricator. The wireline pulled out of the rope socket letting the tool string and pack off box fall and impact the top of the lubricator causing the amputation of the floorhand's thumb and two fingers on his left hand.

- Floorhand failed to follow H&P Offshores Hands Free Work Objective policy.
- Driller and other drill crew members witnessed the floorhand reach out with his left hand to guide the wireline tool but failed to stop the job in accordance with the H&P Offshore Hands Free Work Objective policy.

25. DATE OF ONSITE INVESTIGATION:

28. ACCIDENT CLASSIFICATION:

26. INVESTIGATION TEAM MEMBERS:

**Robert Reeves /**

29. ACCIDENT INVESTIGATION  
PANEL FORMED: **NO**

27. OPERATOR REPORT ON FILE:

OCS REPORT:

30. DISTRICT SUPERVISOR: **Amy**

**Pellegrin**

APPROVED

DATE: **05-JAN-2021**